AGENDA 2:00 P.M.

CITY COUNCIL MEETING WEDNESDAY, DECEMBER 10, 2025

NOTES:

- Meeting room is wheelchair accessible. American Disabilities Act (ADA) accommodations and translation services are available upon request. Please phone 928-282-3113 at least two (2) business days in advance.
- City Council Meeting Agenda Packets are available on the City's website at:

  www.SedonaAZ.gov

THE MEETING CAN BE VIEWED LIVE ON THE CITY'S WEBSITE AT WWW.SEDONAAZ.GOV OR ON CABLE CHANNEL 4.

GUIDELINES FOR PUBLIC COMMENT

PURPOSE:

- To allow the public to provide input to the City Council on a particular subject scheduled on the agenda.
- This is not a question/answer session.
- No disruptive behavior or profane language will be allowed.

PROCEDURES:

- Fill out a "Comment Card" and deliver it to the City Clerk.
- When recognized, use the podium/microphone.
- State your:
  1. Name and
  2. City of Residence
- Limit comments to **3 MINUTES.**
- Submit written comments to the City Clerk.

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE
2. ROLL CALL
3. SPECIAL BUSINESS LINK TO DOCUMENT =
   a. AB 3294 **Presentation/discussion** regarding concepts proposed by community members for possible consideration in the Western Gateway Master Plan.
   b. AB 3287 **Discussion/possible direction** regarding the Wastewater Reclamation Plant (WWRP) Facility Plan on future effluent management strategies and the environmental study of the Dells land.
   c. AB 3263 **Discussion/possible direction** regarding sustainability programming initiatives.
   d. **Discussion/possible action** regarding ideas for future meetings/agenda items.
4. EXECUTIVE SESSION

   Upon a public majority vote of the members constituting a quorum, the Council may hold an Executive Session that is not open to the public for the following purposes:
   a. To consult with legal counsel for advice regarding matters listed on this agenda per A.R.S. § 38-431.03(A)(3).
   b. Return to open session. Discussion/possible action regarding executive session items.
5. ADJOURNMENT

Posted: 12/04/2025

By: DJ

JoAnne Cook, CMC
City Clerk

Note: Pursuant to A.R.S. § 38-431.02(B) notice is hereby given to the members of the City Council and to the general public that the Council will hold the above open meeting. Members of the City Council will attend either in person or by telephone, video, or internet communications. The Council may vote to go into executive session on any agenda item, pursuant to A.R.S. § 38-431.03(A)(3) and (4) for discussion and consultation for legal advice with the City Attorney. Because various other commissions, committees and/or boards may speak at Council meetings, notice is also given that a quorum of members of these other City commissions, boards, or committees may be in attendance.

A copy of the packet with material relating to the agenda items is typically available for review by the public in the Clerk's office after 1:00 p.m. the Thursday prior to the Council meeting and on the City's website at www.SedonaAZ.gov. The Council Chambers is accessible to people with disabilities, in compliance with the Federal 504 and ADA laws. Those with needs for special typeface print, may request these at the Clerk's Office. All requests should be made **forty-eight hours** prior to the meeting.

NOTICE TO PARENTS AND LEGAL GUARDIANS: Parents and legal guardians have the right to consent before the City of Sedona makes a video or voice recording of a minor child, pursuant to A.R.S. § 1-602(A)(9). The Sedona City Council meetings are recorded and may be viewed on the City of Sedona website. If you permit your child to attend/participate in a televised City Council meeting, a recording will be made. You may exercise your right not to consent by not allowing your child to attend/participate in the meeting.

CITY COUNCIL CHAMBERS
102 ROADRUNNER DRIVE, SEDONA, AZ

The mission of the City of Sedona government is to provide exemplary municipal services that are consistent with our values, history, culture and unique beauty.

CITY COUNCIL AGENDA BILL

AB 3294
December 10, 2025
Special Business

Agenda Item: 3a
Proposed Action & Subject: Presentation/discussion regarding concepts proposed by community members for possible consideration in the Western Gateway Master Plan.

Department	City Manager/Anette Spickard
Time to Present	30 minutes
Total Time for Item	60 minutes
Other Council Meetings	N/A
Exhibits	A. Packet of information from Cultural Park 2.0 B. Packet of information from Allan Affeldt C. Packet of information from SIFF

Finance Approval	Reviewed 11/25/25 BGW
City Attorney Approval	Reviewed 12/01/25 KWC
City Manager's Recommendation	For information only ABS 12/2/25

Expenditure Required
$ xxx
Amount Budgeted
$ xxx
Account No. (Description)

SUMMARY STATEMENT

Background: The City Council identified the creation of a Master Plan for the Western Gateway site as a priority. Staff has been working with DIG studios to develop the draft Master Plan using a series of community engagement activities to understand what the community desires as the land uses on the site. In September 2025, staff discussed the draft Western Gateway Master Plan with City Council which included a comprehensive review of the property, project history, the public input collected, the new Housing Needs Assessment, the draft plan site characteristics and analysis, and Planning and Zoning Commission feedback.

Council at that time directed staff to set up a meeting with the Sedona Oak-Creek School Board to better understand their needs (invitation extended); explore recreation center initial costs; explore options for buildings no higher than three stories; continue public outreach through Plan Sedona to help determine ideal housing types; explore optimizing the allocation of property uses and associated acreages for each block listed in the draft master plan and provide more details of mixed-use blocks; and maintain or increase the size of the natural areas. Council further directed staff to complete a housing strategy that will outline what types of housing are needed in the future to assist them with housing allocation with the Western

Gateway Master Plan and when complete, bring that back to council. Work sessions with Council on the housing strategy are planned for February 2026.

As part the Council's effort to gather community input to inform the draft Master Plan, the following groups were invited to present their concepts for the site at this work session:

- Cultural Park 2.0
- Mr. Allan Affeldt
- Sedona International Film Festival, Mr. Patrick Schweiss.

Climate Action Plan/Sustainability Consistent: ☐**Yes -** ☐**No -** ☒**Not Applicable**

Board/Commission Recommendation: ☐**Applicable -** ☒**Not Applicable**

Alternative(s): N/A

MOTION

I move to: For presentation and discussion only.

SEDONA CULTURAL PARK 2.0

THE SEDONA AMPHITHEATER WAS AHEAD OF ITS TIME AND ITS TIME IS NOW!

Across the country, cities are investing tens—even hundreds—of millions of dollars in new amphitheaters. These venues are seen as vital civic assets: driving tourism, increasing lodging and sales tax revenue, generating jobs, enriching community life, and raising the cultural profile of their regions.

Sedona already has what so many cities are trying to build from scratch: a breathtaking Amphitheater in a world-renowned natural setting. With a modest investment, we can renovate and relaunch a venue that was once a cultural hub and restore it to its rightful place at the heart of Northern Arizona's creative economy.

Led by the Community, Built for the Future

Sedona Cultural Park 2.0, a local nonprofit, will raise the funds to develop the updated comprehensive Master Plan for the entire Cultural Park — beginning with the renovation and relaunch of the Amphitheater. Once restored, SCP2.0 intends to contract with a world-class operator such as Live Nation or AEG Live to manage the venue and book national touring acts. This model ensures professional execution, high-caliber programming, and sustainable operations.

Importantly, we are not asking the City of Sedona or taxpayers to fund the renovation. The funding required will be raised entirely through:

- Private donations
- Fundraisers and benefit events
- Grants and public arts funding

- Corporate sponsorships and naming rights
- Crowdfunding campaigns

The economic return for the City of Sedona is substantial. Sedona will benefit from:

- Increased lodging tax revenue from visitors attending concerts and festivals
- A City ticket tax collected on every ticket sold
- Revenue from parking, concessions, and vendor licensing

These income streams can help pay down the existing $10 million bond on the Cultural Park property and, critically, can be **earmarked to support workforce housing and other community needs** — all without raising taxes.

National Amphitheater Boom — A Proven Model

Cities large and small are seizing the opportunity to invest in live outdoor venues. Consider just a few recent and upcoming examples:

Ford Amphitheater – Colorado Springs, CO

- **Opened:** August 6, 2024 (grand opening with OneRepublic)
- **Capacity:** 8,000 seats
- **Cost:** $34 million

- **Economic Impact:** With approximately 35 events/year, estimated at $102 million annually**,** projecting nearly $1 billion in impact over the next decade

Sunset Amphitheater at Broken Arrow – Broken Arrow, OK

- **Expected Opening:** Late 2025 or early 2026
- **Capacity:** 12,500 seats
- **Cost:** $93 million



- **Economic Impact:** Projected $211 million annually, with more than 600 direct and indirect jobs supported. Additionally, revenue estimates include $4 million in City sales tax and $934,000 in property tax annually

Acrisure Amphitheater – Grand Rapids, MI

- **Expected Opening:** 2026
- **Capacity:** 12,000 seats
- **Cost:** $184 million as part of Grand Action 2.0 riverfront development funded by hotel tax revenue

- **Economic Impact:** Projected $325 million annually, with more than 620 direct and indirect jobs supported. Additionally, revenue estimates include $4.9 million in City income tax revenue and $6.2 million in hotel tax revenue at the county level

Atrium Health Amphitheater – Macon, GA

- **Opened:** April 2024, launched with acts that previously played Sedona Amphitheater – Lynyrd Skynyrd
- **Capacity:** 12,000 seats
- **Cost:** $44 million

- **Economic Impact:** Exceeded $20 million in total community spending in 2024, with early shows accounting for nearly 40,000 attendees and roughly $7.5 million in economic activity in the first six months concerts alone

The Sound Amphitheater – Gautier, MS

- **Opened:** April 2024,
- **Capacity:** 1,250 fixed seats plus lawn to total 8,000 capacity
- **Cost:** $6 million

- **Economic Impact:** Estimated at $13 million annually, drawing approximately 80,000 visitors in the first year and revitalizing local tourism and business

Allianz Amphitheater – Richmond, VA

- **Opened:** June 4, 2025
- **Capacity:** 800 fixed seats plus lawn to total 8,000 capacity
- **Cost:** $30 million

- **Economic Impact:** Expected to host 30 shows per season, projected $31 million in annual economic impact, with 300 jobs created

Additional venues are currently under construction, including:

- **McKinney, TX**: 20,000-seat Sunset Amphitheater (opens 2026)
- **Shakopee, MN**: 19,000-seat Live Nation venue
- **Riverside, MO**: 16,000-capacity amphitheater on 165 acres
- **Long Beach, CA**: 10,000–12,000 seats near Queen Mary
- **Anaheim, CA**: 5,700 seats in initial phase
- **Americus, GA**: Amphitheater integrated into a Cultural Park
- **Menifee, CA**: City amphitheater with shaded stage
- **Ballantyne, NC** and **Atlanta, GA (Coca-Cola Amphitheater)** among many others

A Fraction of the Cost — With All the Upside

These projects validate the economic and cultural potential of outdoor amphitheaters in midsize cities — and reinforce the feasibility of public/private nonprofit partnerships**,** modest capital investment, and sustainable returns. Where other cities are spending $30 million to $200 million, Sedona can achieve a similar transformation at a significantly lower cost with a phased renovation plan. We already have the land, the setting, the history, and the infrastructure. The return on investment will be rapid and far-reaching.

A revitalized Sedona Amphitheater will:

- Host ticketed concerts, film screenings, cultural events, and community programming
- Offer a venue rental model for nonprofits, private events, and schools



- Serve as a revenue engine for the Cultural Park and the broader Sedona economy
- Attract regional visitors during mid-week and shoulder seasons, boosting local businesses and keeping employees employed

Economic, Cultural, and Civic Returns

Using conservative projections based on other markets, Sedona can expect:

- Millions in new tourism dollars annually
- Enhanced revenue from hotel taxes, food & beverage, transportation, and retail
- Opportunities to support affordable housing through earmarked revenues
- A dramatic increase in cultural and recreational offerings for locals and visitors alike

This is more than a music venue. It is a regional asset that blends natural beauty, community identity, economic vitality, and artistic excellence.

A Once-in-a-Generation Opportunity

While other cities build from the ground up — often at enormous cost and with long lead times — Sedona can restore what it already has and be open for programming in less than two years.

With strong leadership, a clear nonprofit mission, and a community-driven funding strategy, the Sedona Cultural Park Amphitheater can once again become a beacon for music, arts, and connection in the Southwest.

Case Study of a Similar Size Amphitheater with a Public/Private Partnership:

St. Augustine Amphitheater – St. Augustine, Florida



Overview & History

- **Opened:** June 27, 1965, as the venue for *"Cross and Sword,"* commemorating St. Augustine's 400th anniversary
- **Major Renovation (2001–2007):** $8.7 million, culminating in re-opening in August 2007 with modern canopy, plaza, walking paths, and expanded amenities
- **Expansion (2018):** Added 700 seats—raising capacity to 4,700

Ownership & Operating Structure

- **Ownership:** St. Johns County Parks & Recreation retains ownership of buildings and land
- **Operator:** As of October 1, 2023, operations and programming are overseen by SJC Cultural Events, Inc. (SJCCE)—a local 501(c)(3) nonprofit board-led by community members, which assumed full operational duties under a public-private partnership
- **Contract Terms:** Through September 2050, with five-year extensions by mutual written agreement; includes annual audits, deferred maintenance oversight, capital improvements, and cultural programming coordination

Economic Impact & Performance

- **Fiscal Year 2022:** Estimated direct economic impact of $39 million
- **Mid-Year 2024 Performance:** Ranked second in the U.S. by Pollstar, with $5.5 million in ticket sales on over 80,000 tickets sold in the first half of the year—trailing only Red Rocks internationally
- **Pollstar Rankings:** #1 Amphitheatre in the U.S. for ticket sales in 2022 and 2023, one of the world's top three venues by early Pollstar reports
- **Attendee Volume:** FY2023 saw 262,663 attendees across 75 events; an additional 34,075 attended events at the Ponte Vedra Concert Hall, which is currently undergoing a $5.4 million renovation (comparable to the Sedona Performing Arts Center)



How This Model Can Guide Sedona's Vision:

- **Scalable model:** Demonstrates how a city-owned amphitheater can operate sustainably under nonprofit management without taxpayer capital.
- **High performance venue:** Even with fewer than 5,000 seats, The Amphitheater consistently ranks among the top in the U.S. in ticket sales.
- **Community-centric programming:** SJCCE's nonprofit structure proactively balances commercial bookings and local/donation-based events.
- **Financial resilience:** Operates with strong economic impact, consistent attendance, and diversified income including, donations, grants, sponsorships, and earned revenue.

Case Studies of Successful Amphitheater Renovations Demonstrating the Advantages of Modernizing Existing Venues Rather than Building from Scratch:

- **Ford Amphitheater:** Originally built in 1931, multi-year renovation from 2012 – 2017, Historic structure preserved, new stage and facilities.
- **Santa Barbara Bowl:** Originally built in 1936 as a WPA project, multi-year phased rehabilitation from 1994-2012, under the nonprofit Santa Barbara Bowl Foundation.
- **Dillon Amphitheater:** Originally built in 1993 and revitalized in 2017-2018, while reusing the existing seating terraces, with community funding and minimal disruption
- **Quarry Amphitheater:** Originally built in the 1960's, the Quarry was closed in 2006 and renovated in 2016-2017 and reopened in 2018 as the region's largest outdoor musical venue.

These projects demonstrate that renovating an existing structure can be more cost-effective, faster to complete, and more culturally authentic than building new. In Sedona's case, the original Amphitheater plans only need to be reinstated to complete the buildout. The only newly permitted areas required are the backstage facilities—including offices, rehearsal spaces, and performer green rooms—which were not part of the original Phase 1 permits and are now included in our Phase 3 seating plan and budget. With existing infrastructure

already in place—parking, utilities, grading, terraces, ADA access, and overall site layout—we can deliver a modern amphitheater at a fraction of the cost and with minimal environmental disruption, all while preserving the red-rock aesthetic that defines Sedona

Recognize these legends? These photos capture iconic moments on our very own Sedona Amphitheater stage between 2001 and 2003. Can you name these artists? They lit up the red rocks with unforgettable performances – and we're ready to bring that magic back!

Photos courtesy of Sedona Red Rock News











SEDONA CULTURAL PARK 2.0



From Symphonic Concerts and Jazz Festivals to World-Music Showcases and Community Events, the Sedona Amphitheater Truly Delivered on its Promise as a Versatile Cultural Park.

Norah Jones - Tony Bennett – Lynyrd Skynyrd – Gordon Lightfoot – Sam Bush / Yonder Mountain String Band – The String Cheese Incident – Little Feat – Vince Gill – Los Lobos – Willie Nelson – Blues Traveler – B.B. King – Michelle Branch – Al Jarreau – LeAnn Rimes – Phoenix Symphony – Jazz on the Rocks Festival – Sedona EcoFest – Putumayo World Music Festival – Mogollon JamFest

Popularity of Outdoor Music Amphitheaters

Yes, outdoor music amphitheaters are highly popular in the US, often ranking among the top concert venues due to their unique blend of natural settings, open-air experiences, and capacity for large crowds. For instance, Red Rocks Amphitheatre in Colorado continues to break attendance records, being named the world's most-attended amphitheater and the most popular outdoor venue in the US. Publications like USA Today regularly rank the best amphitheaters, with spots like the Pavilion at Bethel Woods in New York topping recent lists for their scenic appeal and high-quality acoustics. This popularity is driven by a post-pandemic surge in demand for live music, where outdoor venues offer safer, more immersive experiences compared to indoor arenas. Major operators like Live Nation dominate the market, controlling many of these facilities and contributing to their widespread appeal through exclusive deals with artists and tours.

Recent Constructions and Trends

Many cities are indeed building or planning new outdoor amphitheaters, with a noticeable uptick in projects from 2023 onward. This trend is particularly strong in mid-sized cities aiming to become live music hotspots, fueled by companies like Notes Live (operating under the Venu brand) that are rolling out standardized designs for quick deployment. Venu alone has plans for 20 new facilities over the next six years, with 10 expected to open within 36 months.

Here are some notable recent or upcoming projects:

- **Winston-Salem, NC**: A proposed downtown amphitheater set to open in spring 2026, located in a revitalized urban block.
- **Broken Arrow, OK**: The Sunset Amphitheater, a 12,500-seat venue in a public-private partnership, part of a larger events park development.
- **Colorado Springs, CO**: The Ford Amphitheater, an 8,000-seat privately funded venue that opened in 2024 on 10 acres in Polaris Pointe.
- **Riverside, MO (near Kansas City)**: A new $120 million amphitheater approved in 2024, expected to boost the local entertainment scene along the Missouri River.



kcur.org

Riverside Amphitheater rendering in Missouri

- **Raleigh, NC**: Relocation and expansion of the Red Hat Amphitheater, with city council approval in 2024 to move it one block south for better integration.
- **Shakopee, MN**: A new amphitheater at Canterbury Commons, to be operated by Live Nation starting in 2025.
- **Oklahoma City, OK**: Another Sunset Amphitheater by Notes Live, featuring luxury suites and premium seating, with construction announced in 2023.



kosu.org

Sunset Amphitheater rendering in Oklahoma City

- **Bridgeport, CT**: A new music venue slated for 2025, aiming for 150-200 shows annually.

These examples illustrate a broader movement, with additional projects in places like Buffalo Grove, IL, where construction began on a community park amphitheater in early 2024.

Reasons for Building Them and Direct Impacts on Cities

Cities invest in outdoor amphitheaters primarily for economic revitalization, cultural enrichment, and community building, especially in the wake of increased demand for live events post-COVID. Economically, they serve as engines for tourism and local business growth, injecting revenue through ticket sales, concessions, and visitor spending on hotels, restaurants, and retail—often generating millions in annual impact. For example, in growing cities like Nashville or Denver, amphitheaters anchor neighborhoods, driving up property values and attracting residents. They also create jobs in construction, operations, and event staffing, while fostering long-term economic stability by supporting small businesses and promoting inclusivity.

Culturally and socially, these venues act as hubs that enhance community health by providing free or accessible outdoor concerts, which improve mental well-being through

social connections and physical activity. They incubate local talent, shape artistic ecosystems, and transform underused spaces into vibrant public assets. Direct impacts include revitalized downtowns (e.g., Winston-Salem's project filling vacant blocks), increased foot traffic in surrounding areas, and stronger community ties through shared events. However, they can also strain local infrastructure if not managed well, though benefits like boosted tax revenues often outweigh these.

Funding and Ownership Models

Funding and ownership vary widely, blending private investment, public funds, and nonprofit involvement. Many are privately funded, like the Ford Amphitheater in Colorado Springs, where developers cover costs to capitalize on live music profits. Public-private partnerships (P3s) are common, such as in Broken Arrow's Sunset Amphitheater or Riverside's $120 million bond-financed project, where cities provide land or incentives and private firms handle operations.

Cities often own the property while partnering with nonprofits for management, especially for community-focused venues. Organizations like the Levitt Foundation provide matching grants to nonprofits for free concert series, transforming public spaces into cultural assets through long-term collaborations. In some cases, like Portland's music ecosystem, public-private nonprofits advocate for commercial venues. Grants from foundations (e.g., Howard Gilman or Live Music Society) support operations, ensuring accessibility. Overall, these models allow cities to minimize financial risk while maximizing community benefits.

SEDONA CULTURAL PARK 2.0

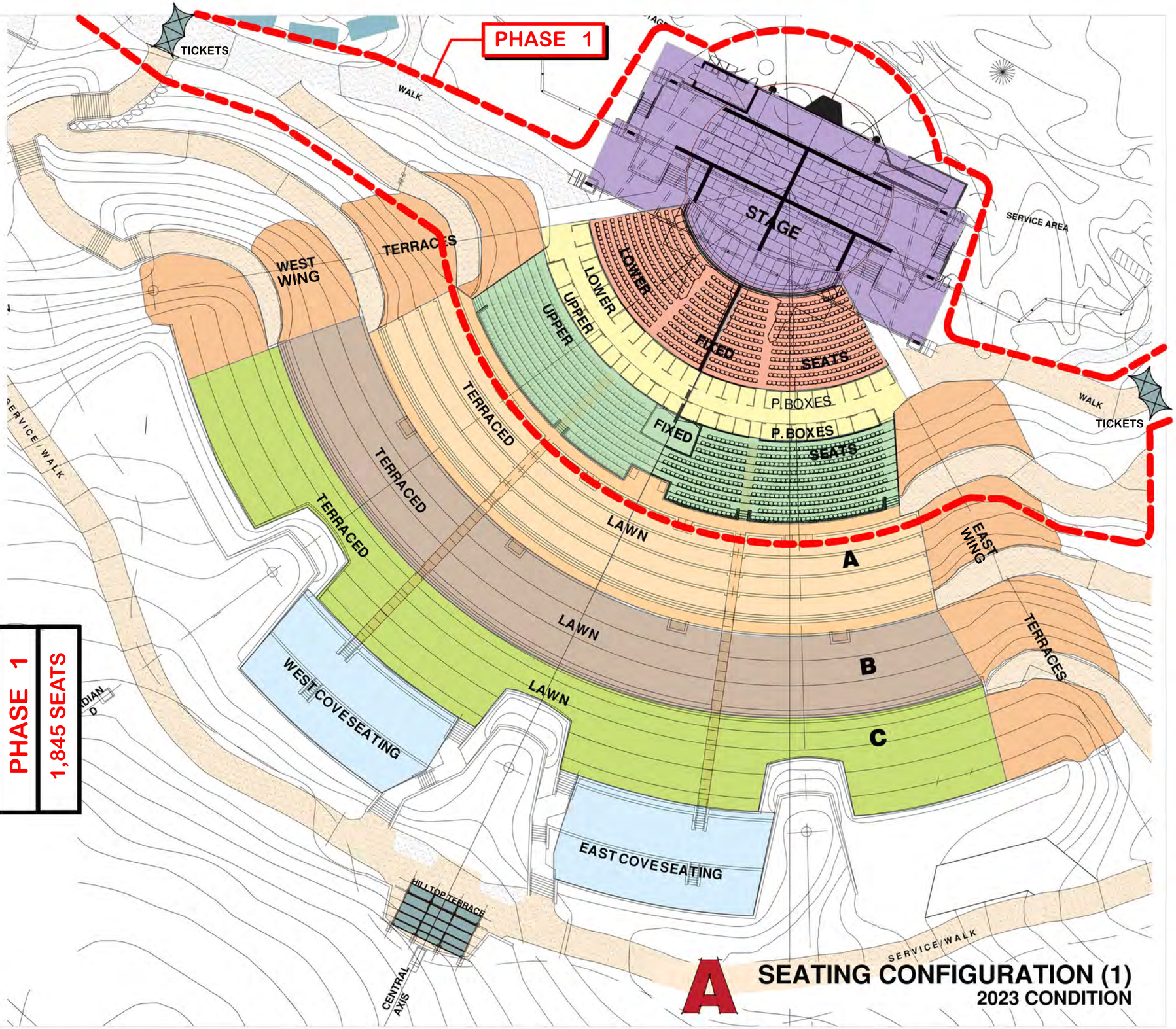
SEATING CAPACITY:

FIXED SEATS:		
UPPER & LOWER:	(FIXED)	1611 SEATS
PRIVATE BOXES:	(44 BOXES)	178 SEATS
HANDICAPPED:		56 SEATS
SUBTOTAL:		**1845 SEATS**

- STAGE
- FIXED SEATS (LOWER)
- FIXED SEATS (PRIVATE BOXES)
- FIXED SEATS (UPPER)
- TERRACED LAWN 'A'
- TERRACED LAWN 'B'
- TERRACED LAWN 'C'
- COVE SEATING (EAST & WEST)
- TERRACES (EAST & WEST)

PHASE 1

1,845 SEATS



A SEATING CONFIGURATION (1)
2023 CONDITION

SEDONA CULTURAL PARK 2.0

SEATING CAPACITY:

FIXED SEATS:		
UPPER & LOWER:	(FIXED)	1611 SEATS
PRIVATE BOXES:	(44 BOXES)	178 SEATS
HANDICAPPED:		56 SEATS
SUBTOTAL:		**1845 SEATS**
COVE SEATING:		
WEST COVE TERRACE		260 SEATS
EAST COVE TERRACE		268 SEATS
SUBTOTAL:		**528 SEATS**

STAGE	PHASE 1	1,845 SEATS
FIXED SEATS (LOWER)		
FIXED SEATS (PRIVATE BOXES)		
FIXED SEATS (UPPER)		
TERRACED LAWN 'A'	PHASE 2	3,218 SEATS
TERRACED LAWN 'B'		
TERRACED LAWN 'C'		
COVE SEATING (EAST & WEST)		
TERRACES (EAST & WEST)		

PHASE 2
BOWL/ BACKSTAGE

TICKETS
WALK
BACKSTAGE
STAGE
SERVICE AREA
BACKSTAGE
WEST WING
TERRACES
LOWER
UPPER
FIXED SEATS
P. BOXES
TERRACED
LAWN
A
B
C
EAST WING
TERRACES
WALK
TICKETS
SERVICE / WALK
WEST COVE SEATING
EAST COVE SEATING
HILLTOP TERRACE
CENTRAL AXIS
SERVICE / WALK

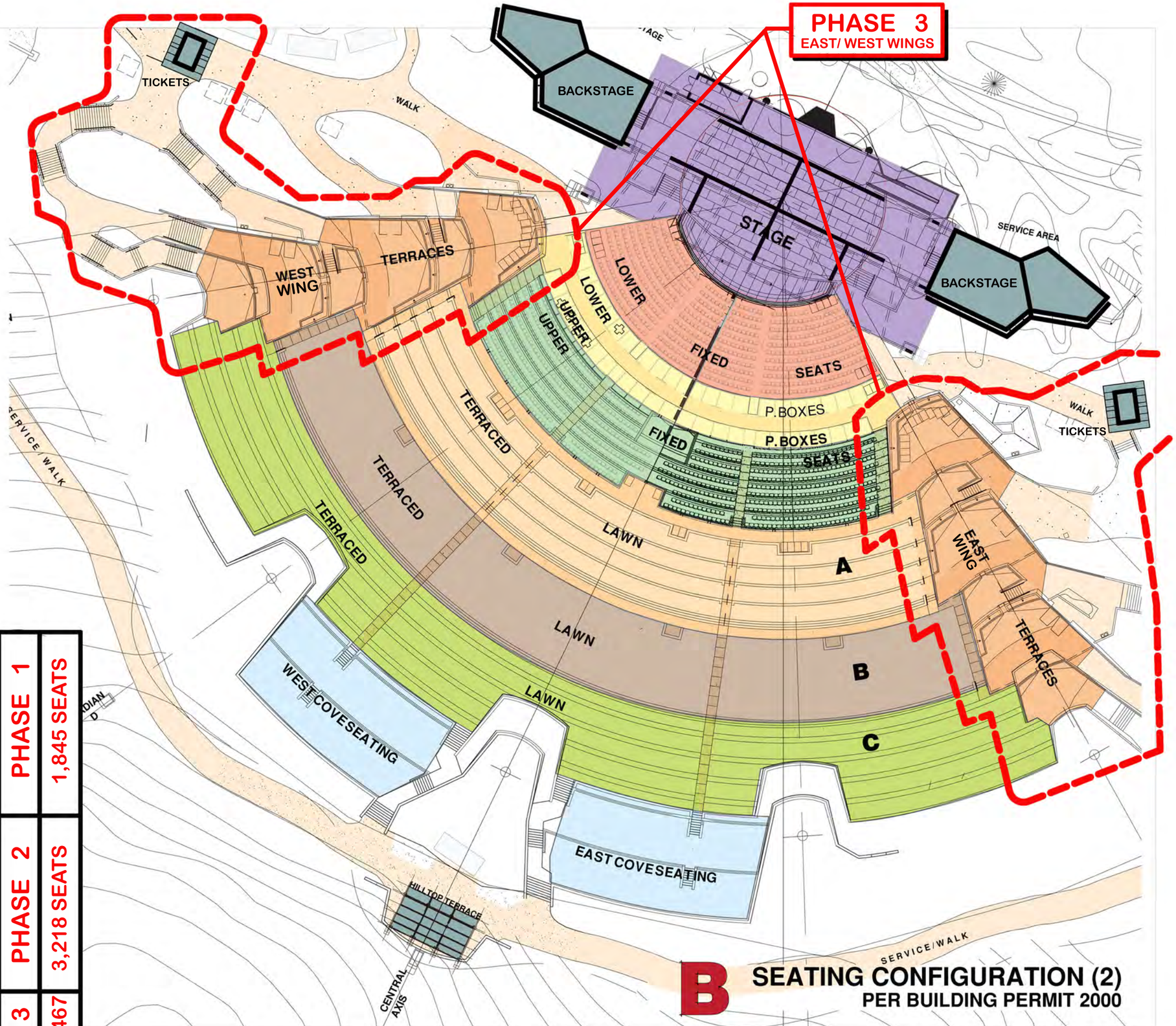
A SEATING CONFIGURATION (1)
2024 CONDITION

SEDONA CULTURAL PARK 2.0

SEATING CAPACITY:

FIXED SEATS:		
UPPER & LOWER:	(FIXED)	1611 SEATS
PRIVATE BOXES:	(44 BOXES)	178 SEATS
HANDICAPPED:		56 SEATS
SUBTOTAL:		**1845 SEATS**
COVE SEATING:		
WEST COVE TERRACE		260 SEATS
EAST COVE TERRACE		268 SEATS
SUBTOTAL:		**528 SEATS**
TERRACES:		
EAST WING TERRACE RESTROOMS, CONCESSIONS SERVICE		233 SEATS
WEST WING TERRACE RESTROOMS, CONCESSIONS PRIVATE TERRACES		234 SEATS
TOTAL:		**5530 SEATS**

STAGE	PHASE 1	1,845 SEATS
FIXED SEATS (LOWER)		
FIXED SEATS (PRIVATE BOXES)		
FIXED SEATS (UPPER)		
TERRACED LAWN 'A'	PHASE 2	3,218 SEATS
TERRACED LAWN 'B'		
TERRACED LAWN 'C'		
COVE SEATING (EAST & WEST)		
TERRACES (EAST & WEST)	3	467



NFS TRAILHEAD / FESTIVAL PARKING

P

P

ARROYO

FESTIVAL GROUNDS

NEW PARKING (TYP)

NORTH PARKING

CENTRAL POINT OBSERVATORY/ FOREST SERVICE INTERPRETIVE CENTER

BUSES

PARKING

PARKING

BUSES

BUSES

NORTHEAST MIXED INCOME HOUSING ELEMENT 87 UNITS 2-3 STORIES

NORTH PARKING

NATURAL ZONE

SIFF/ MULTI-USE THEATER

ENTRY PLAZA

CULTURAL PARK PLACE

NAVAJO DRIVE

ARROYO

STAGE

SERVICE

AMPHITHEATER

VIP PARKING

FUTURE

FUTURE

YAVAPAI COLLEGE SEDONA CENTER

ARTS VILLAGE HOUSING ELEMENT 38 UNITS 2-3 STORIES

YAVAPAI PARKING

ARTS VILLAGE

WALK

PLAZA

WESTERN GATEWAY BRIDGE

TO SHUTTLE LOT
HIGH SCHOOL PARKING
HOTEL PARKING

ARTS VILLAGE DRIVE

NATURAL ZONE

SOUTH PARKING

HIGHWAY 89 A

NEW PARKING

U.S. HIGHWAY 89-A

NORTH PARKING	YAVAPAL COLLEGE PARKING
575 SPACES	106 SPACES
SOUTH PARKING	HOUSING ELEMENT
320 SPACES	87 SPACES

980 SCP + 106 YAVAPAL = 1086 PARKING SPACES
+ 10 BUS SPACES ON SITE

125 MIXED INCOME HOUSING UNITS

SEDONA CULTURAL PARK 2.0

MASTER SITE PLAN

JENSVOLD/ THOMPSON ARCHITECTS
45 KAYENTA COURT SEDONA, ARIZONA 86336

NOVEMBER 2023
REVISED OCTOBER 2025



Sedona Cultural Park Restoration Budgetary Estimate - Phase 1

LOWER & UPPER FIXED SEATS/PRIVATE BOXES - SEATING CAPACITY = 1845

SITEWORK	QUANITY	UOM	UNIT COST	TOTAL
1) REMOVE WEEDS AND VEGETATION	1	LS	$ 21,150.00	$ 21,150.00
2) RESTORE SITE DRAINAGE/SWPPP	1	LS	$ 18,000.00	$ 18,000.00
3) GENERAL SITE CLEANUP	1	LS	$ 8,000.00	$ 8,000.00
4) APS-RESTORE POWER TO SITE	1	LS	$ 12,000.00	$ 12,000.00
5) REPLACE PUMPS @ LOWER LIFT STATION UNCLUDING DUPLEX CONTROL PANEL AND STARTUP	1	LS	$ 56,000.00	$ 56,000.00
6) REMOVE AND REPLACE 8" GRAVITY SEWER	268	LF	$ 84.00	$ 22,512.00
7) REMOVE AND REPLACE 6" GRAVITY SEWER SERVICES	100	LF	$ 68.00	$ 6,800.00
8) REMOVE AND REPLACE 4" PRESSURE SEWER MAIN	924	LF	$ 58.00	$ 53,592.00
9) SEWER ARV	2	EA	$ 4,200.00	$ 8,400.00
10) PRESSURE SEWER CHECK VALVE	1	EA	$ 1,600.00	$ 1,600.00
11) PRESSURE SEWER PLUG VALVES	3	EA	$ 2,700.00	$ 8,100.00
12) INSTALL 2" WATER SERVICES	2	EA	$ 5,600.00	$ 11,200.00
13) 2" BACKFLOW PREVENTORS	2	EA	$ 1,400.00	$ 2,800.00
14) REFURBISH ELECTRICAL ROOM	1	LS	$ 8,000.00	$ 8,000.00
15) REFURBISH RESTROOM BUILDING (TO BE REMOVED WHEN WINGS CONSTRUCTED)	1	LS	$ 150,000.00	$ 150,000.00
16) SANDBLAST AND REMOVE GRAFFITI FROM RESTROOM BUILDING AND ELECTRICAL ROOM	1	LS	$ 8,000.00	$ 8,000.00
17) INSTALL ELECTRICAL INCLUDING PRIMARY AND SUB-PANELS	1	LS	$ 180,000.00	$ 180,000.00
18) REPLACE LIGHTING AND ELECTRICAL COMPONENTS	1	LS	$ 50,000.00	$ 50,000.00
19) GRADE AND PAVE PRIMARY ACCESS ROAD	8,694	SY	$ 46.00	$ 399,924.00
20) CONCRETE ADA STALLS	15	EA	$ 4,200.00	$ 63,000.00
21) CONTINGENCY (20%)	1	LS	$ 217,815.60	$ 217,815.60
			TOTAL COST	**$ 1,306,893.60**

STAGE	QUANITY	UOM	UNIT COST	TOTAL
1) REMOVE PLYWOOD FROM STAGE	4,295	SF	$ 2.35	$ 10,093.25
2) REMOVE PRESSURE TREATED LUMBER BELOW STAGE	4,379	LF	$ 1.05	$ 4,597.95
3) INSTALL PESSURE TREATED 2X4'S BELOW STAGE	4,379	LF	$ 1.90	$ 8,320.10
4) INSTALL 1 1/8" PLYWOOD (T&G)	4,295	SF	$ 6.85	$ 29,420.75
5) INSTALL 1/4" MASONITE FLOORING	4,295	SF	$ 3.50	$ 15,032.50
6) SANDBLAST AND REMOVE GRAFFITI	1	LS	$ 8,000.00	$ 8,000.00
7) REMOVE AND REPLACE TORCH DOWN ROOFING ABOVE STAGE	4,275	SF	$ 7.00	$ 29,925.00
8) SEAL GLU-LAM BEAMS INCLUDING URETHANE SEALANT AT TOPS OF BEAMS	1	LS	$ 30,000.00	$ 30,000.00
9) MISC. CONCRETE REPAIRS	1	LS	$ 4,000.00	$ 4,000.00
10) INSTALL LIGHTING AND ELECTRICAL COMPONENTS	1	LS	$ 15,000.00	$ 15,000.00
11) INSTALL SAFETY RAILINGS/HANDRAIL	460	LF	$ 80.00	$ 36,800.00
12) INSTALL SUN SAILS	1	LS	$ 250,000.00	$ 250,000.00
13) CONTINGENCY (20%)	1	LS	$ 88,237.91	$ 88,237.91
			TOTAL COST	**$ 529,427.46**
BOWL	**QUANITY**	**UOM**	**UNIT COST**	**TOTAL**
1) REMOVE WEEDS AND VEGETATION	1	LS	$ 30,000.00	$ 30,000.00
2) SAND BLAST AND REMOVE GRAFFITI	1	LS	$ 11,000.00	$ 11,000.00
3) REPAIR/REPLACE CMU WALL CAPS	1	LS	$ 4,700.00	$ 4,700.00
4) MISC. CONCRETE REPAIRS	1	LS	$ 8,000.00	$ 8,000.00
5) REPLACE LIGHTING INCLUDING STEP LIGHTS	1	LS	$ 20,000.00	$ 20,000.00
6) INSTALL HANDRAILS/SAFETY RAILING	420	LF	$ 80.00	$ 33,600.00
7) FIXED STADIUM SEATING	1,500	EA	$ 48.00	$ 72,000.00
8) CONTINGENCY (20%)	1	LS	$ 35,860.00	$ 35,860.00
			TOTAL COST	**$ 215,160.00**

PHASE 1 TOTAL COST	**$ 2,051,481.06**



Sedona Cultural Park Restoration Budgetary Estimate - Phase 2

ADD TERRACED LAWN SEATING (2690 SEATS) AND UPPER COVE SEATING (528 SEATS) - 5063 TOTAL

SITEWORK	QUANITY	UOM	UNIT COST	TOTAL
1) REPLACE PARKING LOT LIGHT STANDARDS	100	EA	$ 6,500.00	$ 650,000.00
2) GRADE AND PLACE SYNTHETIC TURF @ SEATING AREAS	36,640	SF	$ 9.00	$ 329,760.00
3) STABILIZED DG WALKING TRAILS (2" THICK)	24,000	SF	$ 4.00	$ 96,000.00
4) 30' LIGHT STANDARDS	5	EA	$ 18,800.00	$ 94,000.00
5) TRAIL LIGHTING	1	LS	$ 8,000.00	$ 8,000.00
6) GRADE AND PAVE PARKING AREAS	36,033	SY	$ 46.00	$ 1,657,518.00
7) CONTINGENCY (20%)	1	LS	$ 567,055.60	$ 567,055.60
			TOTAL COST	$ 3,402,333.60
STAGE	**QUANITY**	**UOM**	**UNIT COST**	**TOTAL**
1) BACKSTAGE SCREEN WALL	1	LS	$ 150,000.00	$ 150,000.00
2) BACKSTAGE OFFICES/VIP ROOMS/GREEN ROOMS	6000	SF	$ 450.00	$ 2,700,000.00
3) CONTINGENCY (20%)	1	LS	$ 570,000.00	$ 570,000.00
			TOTAL COST	**$ 3,420,000.00**
BOWL	**QUANITY**	**UOM**	**UNIT COST**	**TOTAL**
1) GRADE AND PLACE SYNTHETIC TURF AND SEATING AREAS	36,640	SF	$ 9.00	$ 329,760.00
2) INSTALL HANDRAILS/SAFETY RAILING	680	LF	$ 80.00	$ 54,400.00
3) TICKET BOOTH AND UPPER LEVEL CONCESSION STAND	1	LS	$ 200,000.00	$ 200,000.00
4) CONTINGENCY (20%)	1	LS	$ 116,832.00	$ 116,832.00
			TOTAL COST	**$ 700,992.00**

PHASE 2 TOTAL COST	$ 7,523,325.60



Sedona Cultural Park Restoration Budgetary Estimate - Phase 3

ADD EAST & WEST RESTROOMS & CONCESSIONS (467 SEATS) - 5530 TOTAL SEATS

SITEWORK	QUANITY	UOM	UNIT COST	TOTAL
1) ELECTRONIC ENTRANCE SIGN	1	LS	$ 500,000.00	$ 500,000.00
2) CONTINGENCY (20%)	1	LS	$ 100,000.00	$ 100,000.00
			TOTAL COST	**$ 600,000.00**
BOWL	**QUANITY**	**UOM**	**UNIT COST**	**TOTAL**
1) CONSTRUCT WEST WING INCLUDING RESTROOMS	10,860	SF	$ 450.00	$4,887,000.00
2) CONSTRUCT EAST WING INCLUDING RESTROOMS	10,860	SF	$ 450.00	$4,887,000.00
3) CONTINGENCY (20%)	1	LS	$ 1,954,800.00	$1,954,800.00
			TOTAL COST	**$11,728,800.00**

PHASE 3 TOTAL COST	**$12,328,800.00**

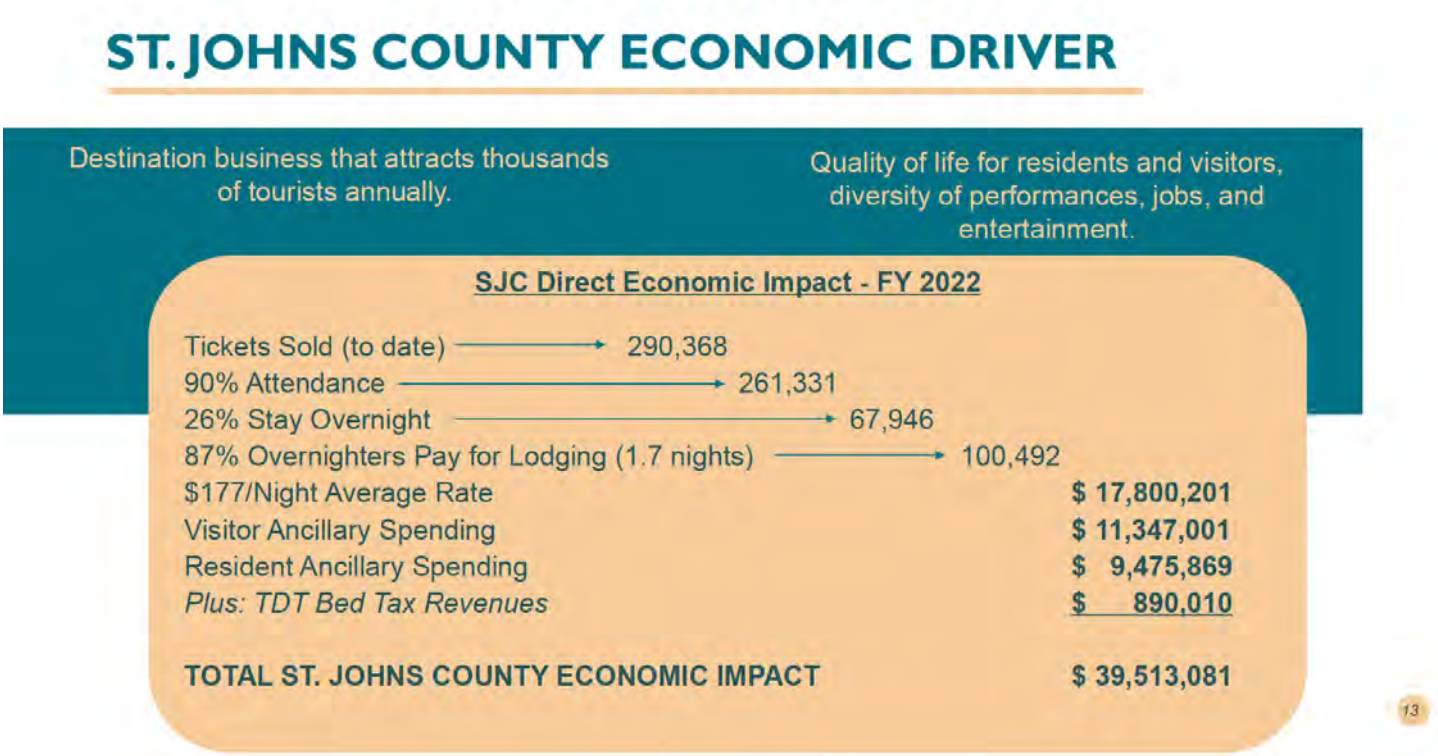
Similar Successful Amphitheater's Economics and Operations:

Red Rocks Amphitheater, Morrison Colorado:

- Owned by the City & County of Denver,
- Operated by the Division of Denver Arts & Venues (A City Division)
- **Capacity: Reserved Seating - 8,725, General Admission - 9,525**
- Ticketed by AXS (Ticketing division of AEG Live)
- Hosted 233 ticketed events attended by 1.17 Million people (2021):
    - 177 concerts
    - 36 movies
    - 20 exercise activities
- **2021 Ticket Sales - $48 Million**
- **2021 City Earned $14 Million from the following:**
    - Events ticketed - $7,500 or 11% of gross gate receipts, whichever is >
    - Private events - $100,000 per performance in Season (April - September)
    - Private events - $10,000 out of Season (October - March)
    - Rehearsal & move in/out fees for all events - $2,000
    - Community events - $5,000 or 8% of gross gate receipts, whichever is >
    - Community non-ticketed - $10,000 per performance
    - Facilities Development Admissions Tax - 10% of each ticket sold
    - Facility Fee (covers patron parking) - $5.50 per ticket
    - 2022 attendance was up 31% from 2021 - 231 events & 1.54 Million visitors

St. Augustine Amphitheater, Florida - Top selling venue in the US, Jan - June of 2022, Pollstar Magazine:

- Owned by the County of St. John's
- Operated by the County of St. John's Amphitheater & Concert Hall Advisory Committee
- Recently applied to change management & operational structure to a 501(c)(3)
- Ticketed by Ticketmaster
- **Capacity: 4,800**
- Sold 106,646 tickets for the 6 months, January - June, 2022
- **January - June, 2022 - $7.29 Million in revenue from the following: `**
    - Events ticketed - 12% of net ticket sales, with a minimum of $4,500 and a maximum of $10,000
    - Private events - $4,500
    - Not for profit & Government ticketed events - $1,500
    - Not for profit & Government non-ticketed events - $3,500
    - Rehearsal & move in/out fees - $2,000
    - Parking - $20
    - Facility Fee Surcharge - $5.25 per ticket
    - Community Fee - up to $8 per ticket



In summary, the Red Rocks Amphitheater in Colorado and the St. Augustine Amphitheater in Florida are strong examples of how a community run 501(c)(3) can raise funds to revive the Amphitheater to bring it back to its original glory, and run the operations with experienced partners in the booking, ticketing and management of touring shows. Most importantly, the Amphitheater will provide a venue for Sedona and the greater Verde Valley to host community and cultural events of all kinds.
We look forward to working with the Mayor and City of Sedona to make this a reality!

1	**AGENDA ITEM** **ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS**
	Deadline for Submission - Wednesday 9 a.m. – Thirteen Days Prior to BCC Meeting

9/6/2022

BCC MEETING DATE

TO: **Hunter S. Conrad, County Administrator** **DATE:** **August 2, 2022**

FROM: **Gabe Pellicer, General Manager** **PHONE:** **904 209-0392**

SUBJECT OR TITLE: **Report and Recommendation of Amphitheatre & Concert Hall Advisory Committee**

AGENDA TYPE: **Business Item**

BACKGROUND INFORMATION:

The Amphitheatre & Concert Hall Advisory Committee was created in order to provide new ideas, suggest changes, enhancements of programs, explore alternate organizational options, and assist in ensuring adequate operation of the facilities for the residents and visitors of St. Johns County while achieving maximum economic advantages and remaining accountable to the tax payers of St. Johns County. The Amphitheatre & Concert Hall Advisory Committee's primary responsibility is to serve in an advisory capacity to the Board of County Commissioners.

1. IS FUNDING REQUIRED? Yes **2. IF YES, INDICATE IF BUDGETED.** No

IF FUNDING IS REQUIRED, MANDATORY OMB REVIEW IS REQUIRED: INDICATE FUNDING SOURCE: To Be Determined

SUGGESTED MOTION/RECOMMENDATION/ACTION:

Motion #1: Motion to accept the Report from the Amphitheatre & Concert Hall Advisory Committee.
Motion #2: Motion to direct the Amphitheatre & Concert Hall Advisory Committee to generate a proposal with detail beyond a conceptual level, along with a business plan that would include a reasonable financial plan in line with their recommendation.
Motion #3: Motion for staff to procure an independent analysis of the business plan and proposal after submission as required by Fla. Stat. 255.065.

For Administration Use Only:
Legal: DM 8/15/2022 **OMB: JDD 8/15/2022** **Admin: Sarah Taylor 8/19/2022**

Amphitheatre
& Concert Hall
Advisory Committee

REPORT AND RECOMMENDATION

August 24, 2022





A REVIEW OF
CULTURAL EVENTS
IN ST. JOHNS COUNTY

General Disclaimer

This document reflects the best current thinking of a group of five St. Johns County residents and volunteers appointed to the Amphitheatre & Concert Hall Advisory Committee (Hereinafter the “Committee” or “Advisory Committee”) by the Board of County Commissioners.

While operating as a committee of five, through engaging dialogue and multiple presentations from St. Johns County Staff, a collective point of view has been organized throughout this report.

The recommendation is based on the available information provided and consensus of broad-based input from participants in the process.

As further information is provided, or more precise data analysis is completed, this report may be modified to better reflect accuracy and precision.

The Advisory Committee is unanimous in their support of the recommendation based on the information provided and discussions that have led during the process.

Analogy of a Transformation



Once upon a time there was a seed that was carefully planted by a group of visionaries. Over the years, this seed has been nurtured and tended by a group of very dedicated people who have loved seeing it grow into a plant and a healthy little tree. It received needed protection from storms, fertilizer, and grew stronger in its pot when the sun shined brightly.

Now, that little tree has begun to outgrow that pot. It is losing a few leaves, strains to get enough water, and is confined by the root bound reality of the very pot that it has called home for many years. This plant loves where it lives and does not want to go anywhere else. Through no fault of the tree, the caretakers, or the pot, more flexible conditions must exist for it to grow and continue to thrive. While this is a bit scary, the surrounding garden is destined to be its new home along with other trees that began in similar pots.

Fortunately, the same people who nurtured the seed will continue to look after the tree and care for this little sapling as it adjusts in the familiarity of the same garden it loves. The tree, caregivers, garden, and original pot will benefit from this simple act of letting the sapling grow to its potential.

The future of this sapling, as Cultural Events in St. Johns County, relies on the courage to transform.

Background

This Amphitheatre & Concert Hall Advisory Committee was created by the Board of County Commissioners on May 17, 2022, through Resolution No. 2022-167 with a unanimous 5-0 vote.

PURPOSE OF THE AMPHITHEATRE & CONCERT HALL ADVISORY COMMITTEE

Provide new ideas, suggest changes, enhancements of programs, explore alternate organizational options, and assist in ensuring adequate operation of the facilities for the residents and visitors of St. Johns County, while also achieving maximum economic advantages and remaining accountable to the taxpayers of St. Johns County. The primary responsibility is to serve in an advisory capacity to the Board of County Commissioners.

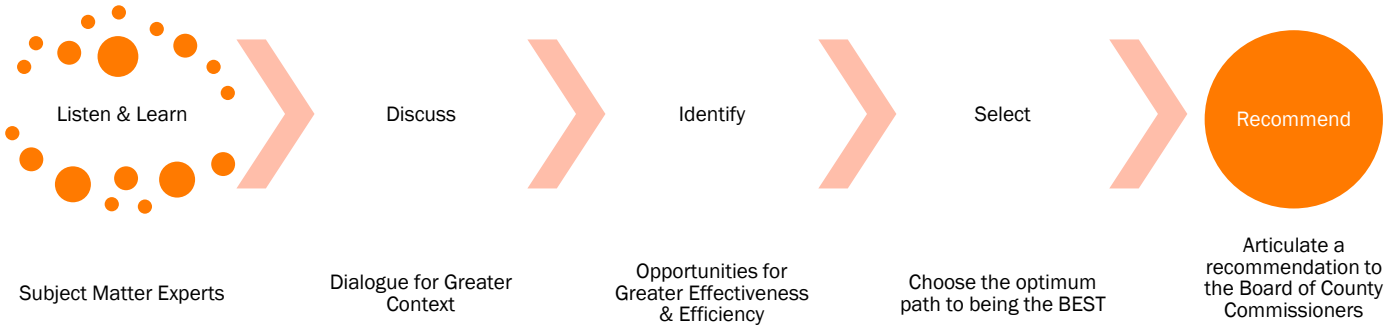
Broad and Inclusive Participation

Over the course of ten (2 hour) meetings since June 21, 2022, the Committee has met with many County Staff members, County Commissioners, and private citizens to gain a broad perspective on the Cultural Events Division. These discussions have provided context for our thought process.

Advisory Committee Members	Bo Bozard
	Bethany Hilbert
	Irving Kass
	Dylan Rumrell, Vice Chair
	Jerry Wilson, Chair
County Commissioners	Commissioner Christian Whitehurst, Vice Chair District 1
	Commissioner Sarah Arnold, District 2
	Commissioner Paul Waldron, District 3
	Commissioner Jeremiah Blocker, District 4
	Commissioner Henry Dean, Chair District 5
Community Input	Philip McDaniel, CEO & Co-Founder St. Augustine Distillery, Cultural Events Historian
County Staff Participants	Cari Baker, Program Manager, Cultural Events
	Greg Caldwell, Director, Public Works
	Lauren Carpenter, Administrative Manager, Cultural Events Division
	Chris Culpepper, Assistant GM, Cultural Events Division
	Mike Dalton, Administrative Manager, Facilities Management
	Jesse Dunn, Director, Office of Management & Budget
	Elizabeth Glasgow, Business Manager, Cultural Events Division
	Ryan Hall, Public Relations Manager, Cultural Events Division
	Lilian Hutchinson, Director, County Human Resources
	Carl Liberatore, Production Manager, Cultural Events
	Tera Meeks, Director, Tourism and Cultural Development
	David Migut, County Attorney
	Mark Miner, Chief Deputy Clerk of Circuit Court & Comptroller
	Brandon Patty, Clerk of Circuit Court & Comptroller
	Gabriel Pellicer, GM, Cultural Events Division
	Katie Root, Marketing Manager, Cultural Events Division
	Lex Taylor, Deputy County Attorney
	Sarah Taylor, Assistant County Administrator
	17 other Staff Members

Open and Transparent Process

The Advisory Committee has operated in a fully open and transparent manner with no preconceived solution relative to the ultimate recommendation. Over the course of our meetings, we have followed an approach to educate us with the facts in a collective manner.



Core Guiding Principle

> **GUIDING PRINCIPLE**
>
> The St. Johns County Cultural Events experience
> is authentic and special because it is, and will remain:
>
> Community Owned
> Community Operated
> Community Led

Early in the process, the Advisory Committee agreed to a core guiding principle that has held true throughout our meetings and discussions.

This Guiding Principle is very important to the final recommendation. There is no desire, by this Committee and others, to walk away from the specialness of the local nature of these operations. St. Johns County is fortunate to have highly competent and committed professionals who are dedicated to high quality Cultural Events. They have developed customized relationships with artists and promoters over the years. We also want to ensure the ultimate recommendation positions Cultural Events and County government for long-term success.

However, in order the be their BEST, this group must be more agile than government permits.

Cultural Events Realities

Cultural Events does its best to operate this business in a highly competitive and specialized industry within a governmental structure. However, government is required to operate within statutory regulations that conform to specific guidelines and limits.

Governmental services that try to support Cultural Events are limited in scope and narrow in decision making authority. Additionally, the number of approvals and timelines are incongruent with the needs of this business. Once again, this IS NOT about how Staff administers the various departments. It IS about statutory and administrative regulations that define what can and cannot be addressed. This has resulted in a misfit between governmental requirements and the needs of Cultural Events. Friction exists between government and the business of Cultural Events that has been described during several Staff presentations and open dialogue. Government services are unable to address the needs of this business in several areas including:

- Finance
- Human Resources
- Procurement
- Budgeting
- Capital Maintenance
- Information Systems
- Legal Counsel

Being the BEST in live entertainment requires specialized, on-demand, cross-functional support that can act quickly with working knowledge of this industry. This is not how government is designed to operate, nor should it be expected to make time-sensitive radical adjustments to restrictive and statutory protocols.

Addressing Unanswered Questions & Perceptions

1. What is the real purpose or role of Cultural Events in St. Johns County?

The Advisory Committee sees Cultural Events as a Key Economic Driver for St. Johns County that should be an agile and financially viable operation respected for its presentation of outstanding quality events. Cultural Events is a destination business that attracts thousands of tourists annually. Whether they are experiencing our area for the first or tenth time, these visitors are choosing to spend their money on lodging, restaurants, shops and tourist activities that support our community. This is good for St. Johns County businesses, citizens, and visitors.

Residents of St. Johns County enjoy the best of the best in live entertainment; this translates into a higher quality of life, diversity of performances, jobs, and a desire to spend their money enjoying activities before and after these shows.

Direct economic impact of Cultural Events is significant and has the potential to grow much higher in years to come.

A very conservative analysis of the direct economic impact for fiscal year 2022 is over $39 million.

SJC Direct Economic Impact - FY 2022

• Tickets Sold	290,368	
• 90% Attendance	261,331	
• 26% stay overnight	67,946	
• 87% overnighters pay for lodging (1.7 nights)	100,492	
• $177/night average rate		$17,800,201
• Visitor Ancillary Spending		$11,347,001
• Resident Ancillary Spending		$ 9,475,869
• *Plus TDT Bed Tax revenues*		$ 890,010
• **TOTAL ST. JOHNS COUNTY ECONOMIC IMPACT**		$39,513,081

2. Is Cultural Events a successful operation and financially viable?

The St. Augustine Amphitheatre is ranked as one of the top venues in the world each year. For 2022, based on ticket sales, it is ranked #1 amphitheatre in North America (ahead of Red Rocks) and #2 in the world to the Sidney Myer Music Bowl. The Ponte Vedra Concert Hall hosts over 100 authentic artists in a typical year and has been approved for an expansion that will set the stage for PVCH to be recognized as a Top 20 concert hall in the USA. There is no debate whether these venues are successful. THEY ARE!

However, within the government, there is a shared perception that this is a "financially failing" operation. Numbers are always a matter of perspective. When the operations are viewed from a business perspective, even with conservative numbers, this is a profitable operation. The difference is how certain revenues are recognized and treated within the budget.

The "facility fee" is not considered as operating revenue in the governmental accounting. However, if this were a business this fee would certainly be an integral part of operating revenue as this fee is collected at a rate of $3/ticket and ticket sales are the key metric for the business model. This schedule illustrates how the same set of numbers may result in differing conclusions.

Itemization Fiscal Years 2016-2021 TOTAL over 6 years (including COVID-19)	Government Perspective "This is a failing operation" $	Business Perspective "This is a profitable business" $
Event Revenue	64,124,600	64,124,600
Event Expenses	(55,481,191)	(55,481,191)
Facility Fees ($3/ticket)	*0*	*3,922,508*
TDT Funding	900,000	900,000
Salaries	(7,662,916)	(7,662,916)
Other Operating Expenses	(4,397,176)	(4,397,176)
Interest Earning	343,889	343,889
Net Operating "Profit/Loss"	**(2,172,794)**	**1,749,714**

The Advisory Committee supports the Business treatment of the Facilities Fee as the accurate way to judge the financial results since these fees are generated directly from the sale of individual tickets. With this single treatment change alone, Cultural Events is a profitable business. But it is not alone.

Capital Maintenance

Capital maintenance (not accounted for in the table above) for the same years 2016-2021 totals $1,125,664 (expenses, net of subsidies), a portion of which are capital improvements; the governmental modified accrual basis accounting system does not amortize the capital investment over the expected life of the "asset." A business would follow GAAP accounting procedures and spread the capital investment over many years.

Full Cost Allocation of Governmental Services

Every three years, MGT Consulting Group completes a full cost allocation plan for St. Johns County to determine each department's fully burdened cost of indirect services provided by other county departments. Based on this assessment, Cultural Events should be "billed," $569,976 annually for services rendered from other departments.

This would further support the government perception that considers this a "losing business." However, based on the recognition that these services do not meet the needs of the Cultural Events operations, no business would consider these services a fair value. In fact, in today's marketplace, services can be sourced through on-demand companies or packaged solutions customized to the business that materially reduces costs, while improving effectiveness.

This is a prime example of the friction that is created by the business needs of Cultural Events and the inability of government to provide relevant and affordable services.

3. *What is the optimal organizational structure?*

The Advisory Committee, along with County legal counsel, explored different structures that could provide the agility needed by Cultural Events. One scenario was to investigate a model where current County staff would remain in their current positions and report to a separate nonprofit business entity. Based on legal counsel this model will not work.

LEGAL GUIDANCE NO GO



Pros	Cons
Employees remain in County Could allow more flexibility Greater compensation ranges	Double reporting Potential conflict of interest Precedent setting, Inconsistency

In subsequent meetings, with legal counsel, the Advisory Committee reviewed five other potential organizational models for Cultural Events. These discussions included a variety of structures. Each structure was assessed with the pros and cons including legalities.

One by one certain structures were eliminated as a possibility. As the Committee worked through the process, two high potential scenarios were the most favorable with the greatest potential to be implemented.

Organizational Scenarios Reviewed

A	B	C	D	E	F
Stay in SJC 100% Status Quo	Enterprise Fund (Like Utilities)	Hybrid 501(c)3 & SJC (prior discussion on 7/21)	Completely outsource	Executives in nonprofit	All staff in nonprofit
1. Must overcome multiple current issues 2. Nimbleness Flexibility Concerns 3. Salary scales compared to Govt. employees	1. Would still need to overcome current issues 2. Good for Utilities but an awkward model for Cultural Events	1. NOT LEGAL 2. Conflict of interest and management confusion 3. No analogues found to compare	1. No community will 2. Loss of status & character 3. Focus on PROFIT not community 4. Less grants & endowments	1. Business allows great flexibility 2. Organizational issues could surface while managing County Staff and nonprofit 3. Must set up all aspects of an operation company	1. Nonprofit will need to financially stand alone 2. People transitional considerations 3. How to keep SJC partners fully engaged & supportive?

A. Based on multiple discussions and presentations from Staff, the governmental constraints will not allow Cultural Events the level of agility needed with the status quo.

B. Based on Staff dialogue, the Enterprise Fund is unlikely to achieve the changes needed.

C. Based on County legal counsel, this concept is not legal.

D. D is inconsistent with the core guiding principle of Community Operated, Community Led. This Scenario was immediately dismissed.

E. E is worthy of further investigation, legally viable, and could be a transitional step.

F. F is worthy of further investigation, legally viable, and creates a team culture.

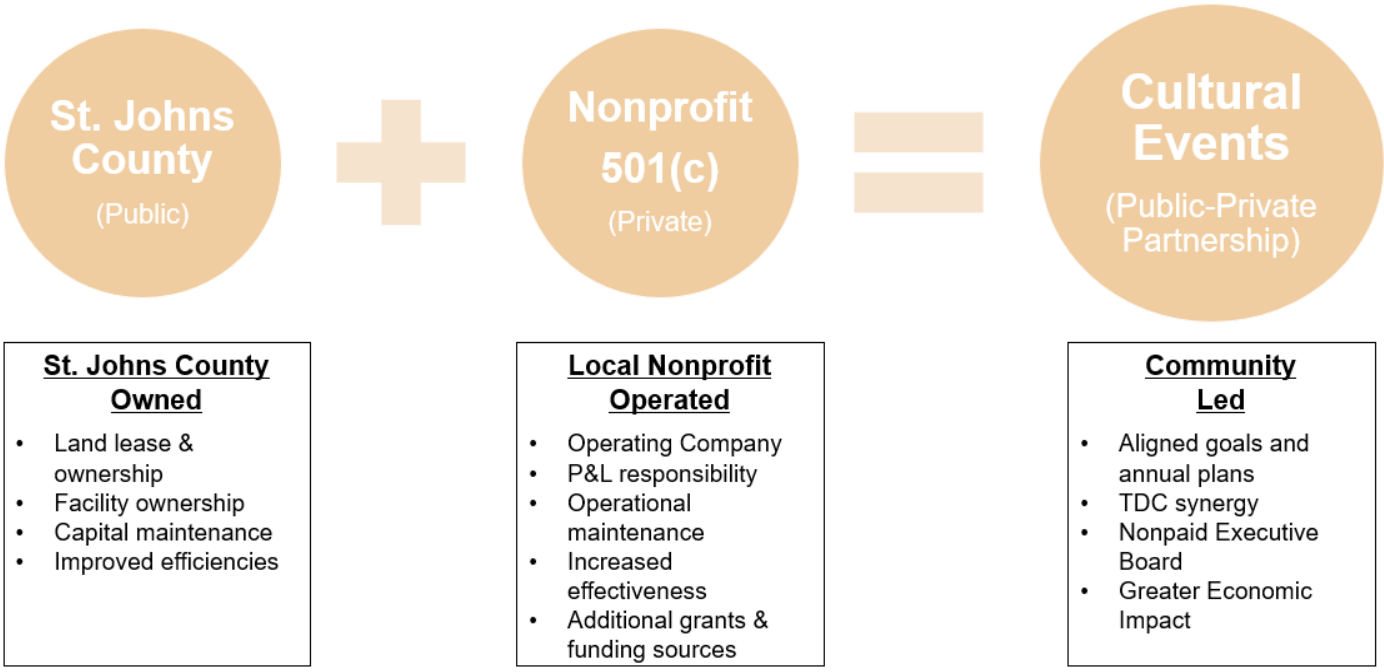
Transformational Model

The Advisory Committee believes it is time to adopt a transformational model to strengthen Cultural Events in St. Johns County. Instead of a tiny division within the $1.4 Billion county governmental structure, imagine Cultural Events as a shared responsibility between St. Johns County and a separate nonprofit business. Distribution of responsibilities should be based on core competencies with clear accountabilities, therefore more effective and efficient for both parties. Friction would be eliminated, transforming the entire perspective from a division in government to a shared vision for the betterment of St. Johns County taxpayers, visitors, and the business.

Government will be in a better position to regulate and manage those areas that naturally fit within normal operations. A separate nonprofit organization will have the agility of a normal business while as much as $569,976 of shared service expenses could be reallocated across other St. Johns County departments. The responsibilities associated with operating revenues and expenses will also move to the new nonprofit corporation.

Based on FY 2022, there could be other opportunities to remove expenses and revenues currently administered by St. Johns County.

Transformational Model that Positions CULTURAL EVENTS to be a BIGGER Concept with Centers of Excellence Distributed in a Private-Public Partnership



Management Assessment

Fortunately, the current team of professionals within Cultural Events has highly competent leadership in key positions. The General Manager, Gabriel Pellicer, has seventeen years of proven experience within St. Johns County. He and his management team are well respected within the local community, as well as amongst artists, promoters, and vendors. They are well prepared to manage the new business, so the transformation ensures continuity and stability of leadership. Over a reasonable period, other staff members who meet job criteria and choose to join the nonprofit would be transitioned into this new business.

This local St. Johns County team also delivers on the core guiding principle of “Community Led.”

Obviously, there are many details of this transition period that need to be agreed to between St. Johns County and the new nonprofit organization.

Benefits of this Transformational Model of Cultural Events in St Johns County

Government Benefit	Nonprofit Benefit
• Potential for greater economic impact • Additional liability coverage from nonprofit • As much as $569,976 in shared services than could be reallocated to other County departments o Further savings to be identified • Remove burden across County departments, including Clerk of Court • Minimizes friction between departments	• AGILITY to make decisions quickly • Talent retention and development • New revenue opportunities • Ability to pursue grants and non-general fund revenue sources • Greater efficiency to drive costs down o Procurement sourcing, etc • Nonprofit establishes checks and balances system

Supported by Other Similar Operations in Florida

The Advisory Committee was able to cast a wide net within the State of Florida to see if this Transformational Model was unique or already established elsewhere. Without much effort, the Committee learned that this model is already operating in Clearwater, Florida to great success.

Ruth Eckerd Hall, Inc. has been operating under the combination of City Government and Nonprofit partnership for nearly 40 years. Similar to Cultural Events, Ruth Eckerd Hall manages two separate venues, Ruth Eckerd Hall and The Capitol Theatre, where it presents a successful combination of world class concerts and events while still prioritizing community-sponsored programming in partnership with local community organizations. The collaboration between the government and the nonprofit has been so successful that in May of this year the City of Clearwater voted to award Ruth Eckerd Hall, Inc., the management contract for the forthcoming Coachman Park Amphitheatre.

This gives the Committee a high degree of confidence that this Transformational Model can work. Similar to Ruth Eckerd Hall Inc., Cultural Events has a track record of successfully operating multiple venues, special events, and festivals that provide a diversity of programming to our community as well as proven and substantial economic impacts.

Advisory Committee Conclusions

It is the finding of the Advisory Committee that Cultural Events is a business that is highly constrained by the governmental processes and should be allowed to operate as a separate nonprofit business. This is better for the St. Johns County government, residents, artists, promoters, employees, visitors, and the community.

The Advisory Committee has based this conclusion on broad-based County Staff input, fact-based dialogue, and a unified assessment that governmental statutory regulations will be unable to deliver the level of agility and decision-making rights to allow Cultural Events to be the BEST. This conclusion is the result of an open and inclusive process that engaged 46 participants, representing over 500 hours in collective work and dialogue, that provided facts, observations, and guidance.

Advisory Committee Recommendation

It is the recommendation of the Amphitheatre & Concert Hall Advisory Committee that the Board of County Commissioners approve the creation of a plan to transform Cultural Events of St. Johns County into local nonprofit organization, overseen by a nonpaid executive board.

The Committee recommends that The Board of County Commissioners task Staff to work in good faith, with no repercussions to Cultural Events Staff, with the assistance of a reconstituted Advisory Committee, to prioritize the creation of a transition plan that can be implemented as soon as practical.

This recommendation is based on an understanding that the current leadership and management team would transition into this new entity with those selected county employees who meet the job criteria and choose to join the nonprofit.

Additionally, the Committee recommends all currently identified deferred maintenance and capital replacement be budgeted and allocated from St. Johns County funds, preferably from outside the general fund, to bring the Amphitheatre up to conditional standards acceptable to the new nonprofit.

Summary of Proposed Transition of Cultural Events

Recitals

WHEREAS, the Board of County Commissioners created the Amphitheatre & Concert Hall Advisory Committee (hereafter "Committee") by Resolution 2022-167 on May 17th 2022 to review the organization of the Cultural Events Division of Saint Johns County and to make a recommendation to the Board of County Commissioners; and

WHEREAS, Saint Johns County (hereafter "County") has two primary locations, the Saint Augustine Amphitheatre and the Ponte Vedra Concert Hall, used by its Cultural Events Division to provide quality, consistent, and diverse entertainment events as well as diverse community events; and

WHEREAS, the State of Florida owns the land attached to the St. Augustine Amphitheatre, St. Johns County owns the building attached to the land at the St. Augustine Amphitheatre, St. Johns County owns both the building and the land for the Ponte Vedra Concert Hall; and

WHEREAS, many citizens of St. Johns County consume and enjoy the quality, consistent, and diverse entertainment events brought by the Cultural Events Division of the County; and

WHEREAS, St. Johns County seeks to maintain its status as a top tourist destination and wishes to supply quality, consistent, and diverse entertainment events to continue to bring tourists to St. Johns County; and

WHEREAS, the St. Augustine Amphitheatre has been ranked the number one amphitheatre in the United States and the number two amphitheatre in the World based on ticket sales; and

WHEREAS, St. Johns County Tourist Development Commission has performed studies and determined that the St. Augustine Amphitheatre produces an estimated $39,513,081 in indirect economic impact for St. Johns County on an annual basis; and

WHEREAS, the Cultural Events Division has already been performing under a Special Fund for St. Johns County and attempting to run as a business while also following all Federal, State, and County rules for County operation; and

WHEREAS, the Committee believes it is reasonable to have commercial events pay for the Cultural Events Division's total cost of operation; and

WHEREAS, the County has noticed higher than normal rates of turnover in the staff of the Cultural Events Division; and

WHEREAS, the Committee sees value in greater flexibility in the management rules for the Cultural Events Division of the County as they are essentially running a business for the County; and

WHEREAS, the Committee believes that the Cultural Events committee could be reconstituted as a private nonprofit entity that would be a collaborative contractor to both provide quality, consistent, and diverse entertainment events as well as diverse community events; and

WHEREAS, the State of Florida allows for Public-Private Partnerships under Florida Statute 255.065 and sole source procurement.

THEREFORE, the Committee Name recommends the following:

Recommendation Summary

The committee is recommending a transition of the functions of the Cultural Events Division of St. Johns County to a 501(c) non-profit entity (hereafter "501(c)") for the management of the St. Augustine Amphitheatre, the Ponte Vedra Concert Hall, and potentially other entertainment events located within the confines of St. Johns County. The new 501(c) would serve as an independent contractor and "management company" to operate both locations for the County as well as putting on events for the County in locations outside those two primary locations should those opportunities arise. The 501(c) would be required to meet the minimum standards contained in the responsible public entity's guidelines for qualifying professional services and contracts for traditional procurement projects. The County would still be the owner of both of the locations.

Amphitheatre & Concert Hall Advisory Committee

REPORT AND RECOMMENDATION

A REVIEW OF CULTURAL EVENTS IN ST. JOHNS COUNTY

DISCUSSION POINTS

1. COMMITTEE OVERVIEW
2. METHODICAL PROCESS
3. BARRIERS TO BEING THE BEST
4. QUESTIONS & PERCEPTIONS
5. PUBLIC-PRIVATE PARTNERSHIP
6. CONCLUSIONS & RECOMMENDATION



MAY 17, 2022

The Amphitheatre & Concert Hall Advisory Committee was created by the Board of County Commissioners through Resolution No. 2022-167 with a unanimous 5-0 vote.



COMMITTEE PURPOSE

*Provide new **ideas**, suggest **changes**, explore alternative **organizational** options, and assist in ensuring adequate **operation** of the facilities, while also achieving maximum **economic** advantages to St. Johns County.*

CORE GUIDING PRINCIPLE

The **St. Johns County Cultural Events experience** is *authentic & special* because it is, & will remain:

- Community Owned
- Community Operated
- Community Led



PARTICIPATION: BROAD & INCLUSIVE

Advisory Committee Members

1. Bo Bozard
2. Bethany Hilbert
3. Irving Kass
4. Dylan Rumrell, Vice Chair
5. Jerry Wilson, Chair

Community Input

1. Philip McDaniel, CEO Co-Founder, St. Augustine Distillery & Cultural Events historical expert

Cultural Events

1. Cari Baker, Program Manager
2. Lauren Carpenter, Administrative Manager
3. Chris Culpepper, Assistant General Manager
4. Elizabeth Glasgow, Business Manager
5. Ryan Hall, Public Relations Manager
6. Carl Liberatore, Production Manager
7. Gabe Pellicer, General Manager
8. Katie Root, Marketing Manager
9. 17 other Staff Members

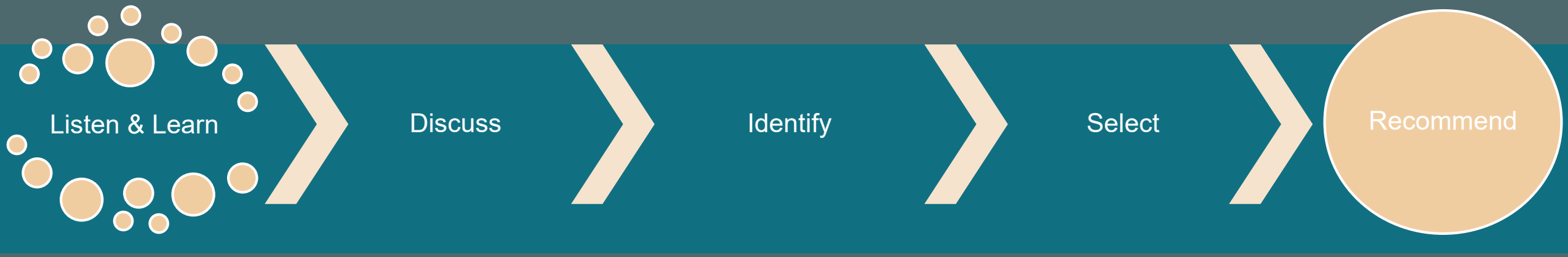
County Staff

1. Greg Caldwell, Director, Public Works
2. Mike Dalton, Administrative Manager, Facilities Management
3. Jesse Dunn, Director, Office of Management and Budget
4. Lillian Hutchinson, Director, Human Resources
5. Tera Meeks, Director, Tourism & Cultural Development
6. David Migut, County Attorney
7. Mark Miner, Chief Deputy Clerk of Court & Comptroller
8. Brandon Patty, Clerk of Circuit Court & Comptroller
9. Lex Taylor, Deputy County Attorney
10. Sarah Taylor, Assistant County Administrator

County Commissioners

1. Christian Whitehurst, Vice Chair, Commissioner District 1
2. Sarah Arnold, Commissioner, District 2
3. Paul Waldron, Commissioner, District 3
4. Jeremiah Blocker, Commissioner, District 4
5. Henry Dean, Chair, Commissioner, District 5

PROCESS OPEN & TRANSPARENT



Subject Matter Experts	Dialogue for Greater Context	Opportunities for Greater Effectiveness & Efficiency	Choose the optimum path to being the BEST	Articulate a recommendation to the BoCC
46 Participants 11 Committee Meetings & 2 Staff Work Sessions	**Over 500 Cumulative Hours of Work Since June 21**	**Collaborative Input & Work Sessions with Staff**	**Benchmarking with Similar Organizations**	**Collective Thinking with Mutual Agreement**

BARRIERS
Irving Kass

BARRIERS TO BEING THE BEST

CULTURAL EVENTS

- Lack of Agility and limited Decision-Making Authority
- Inability to attract and retain Top Talent
- Shared services that are ineffective, slow and expensive

GOVERNMENT

- Statutory and regulatory Compliance limits flexibility
- Standardized Services do not meet specialized needs
- Multiple levels of Approvals that lead to great inefficiencies

CULTURAL EVENTS REALITIES

St. Johns County Cultural Events Division operates this business in a highly competitive and specialized entertainment industry. Governmental statutory regulations restrict the ability to meet the needs in many areas:

- ***FINANCE***
- ***HUMAN RESOURCES***
- ***PROCUREMENT***
- ***BUDGETING***
- ***CAPITAL MAINTENANCE***
- ***INFORMATION SYSTEMS***
- ***LEGAL COUNSEL***

Cultural Events requires specialized, on demand, cross functional support that can act quickly with working knowledge of this industry.

QUESTIONS & PERCEPTIONS

Dylan Rumrell | Bo Bozard | Bethany Hilbert

QUESTION ONE:

WHAT IS THE REAL PURPOSE OR ROLE OF CULTURAL EVENTS?

ST. JOHNS COUNTY ECONOMIC DRIVER

Destination business that attracts thousands of tourists annually.

Quality of life for residents and visitors, diversity of performances, jobs, and entertainment.

SJC Direct Economic Impact - FY 2022

Tickets Sold (to date) →	290,368	
90% Attendance →	261,331	
26% Stay Overnight →	67,946	
87% Overnighters Pay for Lodging (1.7 nights) →	100,492	
$177/Night Average Rate		**$ 17,800,201**
Visitor Ancillary Spending		**$ 11,347,001**
Resident Ancillary Spending		**$ 9,475,869**
Plus: TDT Bed Tax Revenues		**$ 890,010**
TOTAL ST. JOHNS COUNTY ECONOMIC IMPACT		**$ 39,513,081**

QUESTION TWO:

ARE CULTURAL EVENTS A SUCCESSFUL & PROFITABLE OPERATION?

SUCCESSFUL OPERATION? YES

ST. AUGUSTINE AMPHITHEATRE

- **#1 in United States & #2 Worldwide in Mid-Year Sales** (2022 Pollstar)
- **"Best Outdoor Venue" Nominee** (2022, Academy of Country Music)
- **"Best Local Music Venue"** (2019, Jacksonville Rainbow Awards)
- **"Best Concert Venue"** (2012-2019, Folio Weekly's)
- **"Amphitheatre of the Year" Nominee** (2018-2019, International Entertainment Buyers Association (IEBA)
- **"All At Once Sustainability Award"** (2018, Jack Johnson)
- **And many more…**

PONTE VEDRA CONCERT HALL

- **"Best Event Entertainment"** (2022, Ponte Vedra Recorder)
- **"Best Event Venue"** (2019, Ponte Vedra Beaches Leader)
- **Top 200 Theatre Venues Ticket Sales Mid-Year Sales** (2019, Pollstar)
- **Over 100 Ticketed Events Each Year**
- **Recent Expansion Approval**

SING OUT LOUD

- **"Best Music Festival"** (2019, Folio Weekly's)
- **"Award for Quality of Life"** (2018, Northeast Florida Regional Council)

FORT MOSE JAZZ & BLUES SERIES

- **$51,972.42** was raised in support of Fort Mose Historical Society
- Welcomed **3,000 people** from across the country to Fort Mose Historic State Park
- **80+ notable editorial mentions** including: Forbes, Ebony Magazine, Black News Channel, Miami Herald, Newsbreak, Yahoo & more.

FINANCIALLY PROFITABLE?

DEPENDS WHO'S ANSWERING…

FISCAL YEARS 2016-2021

ITEMIZATION Shown in Dollar amounts over 6 fiscal years (Including COVID-19)	GOVERNMENT "This is a failing operation"	BUSINESS "This is a profitable business"
Event Revenue	64,124,600	64,124,600
Event Expenses	(55,481,191)	(55,481,191)
Facility Fees ($3/ticket)	***0***	***3,922,508***
TDT Funding	900,000	900,000
Salaries	(7,662,916)	(7,662,916)
Other Operating Expenses	(4,397,176)	(4,397,176)
Interest Earning	343,889	43,889
Net Operating "Profit / Loss"	**(2,172,794)**	**1,749,714**

QUESTION THREE:

WHAT IS THE OPTIMAL ORGANIZATIONAL STRUCTURE?

ORGANIZATIONAL SCENARIOS

A
Stay in SJC 100% Status Quo

- Must overcome multiple current issues
- Nimbleness flexibility concerns
- Salary scales compared to govt. employees



B
Enterprise Fund
(like Utilities)

- Would still need to overcome current issues
- Good for Utilities but an awkward model for Cultural Events



C
Hybrid 501(c) & SJC
(prior discussion on 7/21)

- NOT LEGAL
- Conflict of interests and management confusion
- No analogues found to compare



D
Completely Outsource

- No community will
- Loss of status and character
- Focus on PROFIT, not community
- Less grants and endowments



E
Executives In Nonprofit

- Business allows greater flexibility
- Organization issues could surface while managing County Staff AND Nonprofit
- Must set up all aspects of an operation company



F
All Staff In Nonprofit

- Nonprofit will have to financially stand alone
- People transitional considerations
- How to keep SJC partners fully engaged & supportive?



TRANSFORMATIONAL MODEL

Dylan Rumrell

PUBLIC-PRIVATE PARTNERSHIP

Elevate Cultural Events to a shared responsibility between St. Johns County **and** a local nonprofit business.

St. Johns County Owned

- Land lease & ownership
- Facility ownership
- Capital maintenance
- Improved efficiencies

Local Nonprofit Operated

- Operating Company
- P&L responsibility
- Operational maintenance
- Increased effectiveness
- Additional grants & funding sources

Community Led

- Aligned goals and annual plans
- TDC synergy
- Nonpaid Executive Board
- Greater Economic Impact

BENEFITS OF TRANSFORMATIONAL MODEL

GOVERNMENT BENEFIT

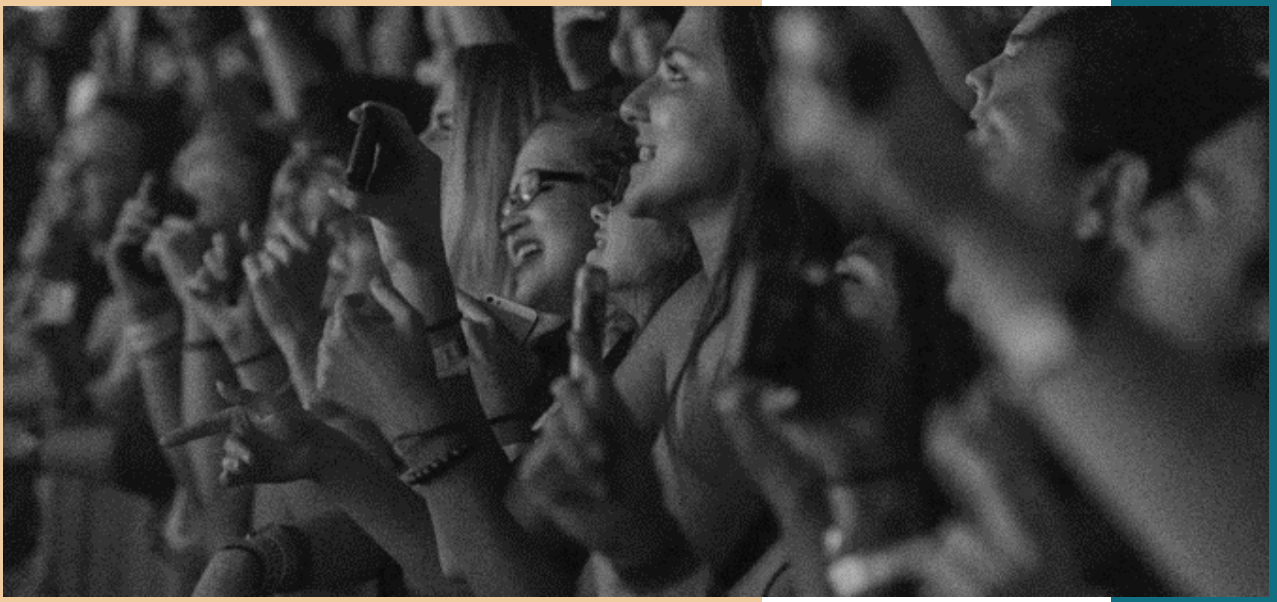
- Potential for Greater Economic Impact
- Additional Liability Coverage from the Nonprofit
- As much as $569,976 in Shared Services could be reallocated to other County Departments
  - Further Savings to be identified
- Remove burden across County Departments, including Clerk of Court
- Minimizes Friction between Departments

NONPROFIT BENEFIT

- AGILITY to Make Decisions Quickly
- Talent Retention and Development
- New Revenue Opportunities
- Ability to Pursue Grants and Non-general Fund Revenue Sources
- Greater Efficiency to Drive Costs Down
  - Procurement sourcing, etc.
- Nonprofit takes over the Checks and Balances System

SIMILAR SUCCESSFUL OPERATION IN FLORIDA

RUTH ECKERD HALL CLEARWATER, FL



Ruth Eckerd Hall, Inc., which manages Ruth Eckerd Hall and The Capitol Theatre, has been operating under a combination of City Government and Nonprofit operations for 40 years.

In May 2022, citing their proven track record of running multiple venues with a community focus, the City of Clearwater granted Ruth Eckerd Hall, Inc. the management contract for the forthcoming Coachman Park Amphitheatre.

CONCLUSION & RECOMMENDATION

COMMITTEE PURPOSE

*Provide new **ideas**, suggest **changes**, explore alternative **organizational** options, and assist in ensuring adequate **operation** of the facilities, while also achieving maximum **economic** advantages to St. Johns County.*

AMPHITHEATRE CONCERT HALL ADVISORY COMMITTEE CONCLUSION

The business of Cultural Events requires greater flexibility than what government will allow

Government requires greater conformity than what the business will allow

OUR CHOICES:

HOPE
Things get better in the current state

CHANGE
Things to create a better future state

AMPHITHEATRE CONCERT HALL ADVISORY COMMITTEE RECOMMENDATION

CHANGE

It is the recommendation of the Amphitheatre & Concert Hall Advisory Committee that the Board of County Commissioners approve the creation of a plan to transform the Cultural Events Division of St. Johns County into a local nonprofit organization, overseen by a nonpaid executive board.

The Advisory Committee is prepared to execute the following action items with the Board of County Commissioners approval of the ACHAC Recommendation:

- **Business Plan**
- **Transition Plan**


QUESTIONS?

SEDONA CULTURE PARK:

Abstract of uses and a suggested development process

Submitted for consideration, with site plan attached: Allan Affeldt, November 2025

928-587-3268 allan.affeldt@gmail.com

Site summary: 41 acres, purchased by City of Sedona for ~$20M in 2022

City purchased the land for housing.

That is council's primary objective and must be addressed in a revised masterplan. The City consultant's 'preferred plan' removed the amphitheater, included a 400 space parking garage, mostly ignored the current road system and grading, was over-dense @ 400+ units, and ignored Sedona's clear housing needs: workforce and senior housing. City Council at the September 2025 meeting wisely did not support proceeding with that plan.

The question before council now is: how to develop a masterplan that meets City objectives, and addresses the community vision to be "a City Animated by the Arts"?

The City housing plan calls for 'a diverse mix of housing options'. That is currently not the case in Sedona. The SCP masterplan should facilitate progress on this objective. It is not enough to simply advocate for 'more' housing at the SCP: the challenge and opportunity with this property is to help create more diverse housing to address significant housing challenges in our city.

Council does not appear opposed to keeping the amphitheater, but prudently wants to see a viable business and development plan for renovation and operation.

Council does not want to see a massive parking garage (nor is it economically viable).

Council is in favor of working with SIFF on a new home for the Film Festival.

Many in the community would like to see open space, and enhanced trailhead.

What follows is one way to meet all of the above objectives.

This analysis is based on retaining the current amphitheater and primary circulation, and on buildability per topography.

SCP Master Plan Elements

1. Housing: ~240 unit, of diverse types, on 12 acres.
The most promising development parcels, with sizes and density per topography and circulation, are identified on the attached site plan:

Housing A: Senior, 80 units, 4 acres @ 20/ac

Housing B: Apartments, 50 units, 2.5 acres @ 20/ac

Housing C: Apartments, 70 units, 3.5 acres @ 20/ac

Housing D: Workforce, 40 Units, 2 acres @ 20/ac

The actual mix and density would be subject to negotiation with interested developers. The point here is simply that housing and cultural uses are compatible and desirable.

2. Amphitheater: 5500 seats, existing, renovated, 6 acres

3. SIFF: theaters, 2 acres, plus shared amphitheater parking.

4. Surface parking for cultural use: 5 acres on-site @ 100/acre = 500 spaces

Total allocated for development: 25 acres of the 41 acre parcel, ~ 60%

5. This leaves 16 acres for open space and circulation, ~ 40% of the SCP would not be developed except as trailhead, interior circulation, and Hwy89a hillside park.

Parking considerations:

There is significant adjacent parking at Yavapai College, National Forest trailhead, and Sedona High School - around 6 acres @ 100/acre = 600 spaces. Total spaces available for events on-site and adjacent is therefore around 1100.

Off-site parking can be developed at the Dells, with a shuttle for events, or more parking can be created across Hwy 89A at the High School, with or without a gateway pedestrian bridge. These options have pros and cons, and associated costs, which should be explored as part of the updated SCP masterplan. The most cost-effective and logistically-simple parking solution for major events would be to work with USFS forest service on a lease or purchase of land adjacent to the SCP. For example: twenty acres west of the SCP would enable another 2000 parking spaces. This option should be explored as part of the SCP masterplan analysis.

We are grateful to SPC2 for their efforts to save the amphitheater and stop the prior plan. SCP2 is correct: there are many successful amphitheaters and viable operating models. But that is not a business plan. The SCP2 plan for the SCP and the amphitheater is not the only viable model or use. There are elements of the SCP2 plan that are perhaps problematic, or at least overly vague, such as the 'Arts Village'. What exactly is that? Specific developers will pay for specific projects, so if SCP2 wants an 'Arts Village' all they have to do is make a purchase and development offer to the City. A large parking lot south of the Amphitheater on the SCP2 plan raises access issues: surely the amphitheater operator would not want people driving through backstage? How is SCP2s objection to significant housing within the SCP going to address the city's clear intention to create more diverse housing options? The city owns the SCP property, and therefore only the city can define the development objectives. Any entity that wants to develop all or part of the SCP property – including SCP2 - can simply make a purchase or lease offer to the City.

Summary recommendation, and an ask/process for City Council

I believe the City should create an SCP masterplan committee composed of specific staff (economic development, housing, cultural) and appointed residents (SIFF, SCP2, my team) to create and present an updated SCP masterplan. In much the same way the City just appointed a new council member, the City could simply ask for interested citizens to apply, consider the applicants, and appoint committee members to work with staff. That process can be quick and simple – the SCP masterplan committee could be in place and working within Q1 2026. The City does not need more 'public input' for the SCP –
the uses to be incorporated are clear:

1. Mostly housing, in a mix of types, focused on workforce, senior and apartments.
2. Arts elements: specifically a new home for SIFF, a reborn amphitheater, and perhaps a museum/FAMoS by purchase or lease in collaboration with YC.
3. A parking and circulation plan to support the housing and arts uses, perhaps integrating adjacent property owners (High School, Dells, Forest Service)

The SCP Committee could be tasked with developing the following for council consideration:

1. Update the masterplan. The SCP masterplan should be just an abstract, based on developable parcels and circulation as outlined in the attached. If council is not satisfied with the revised SCP masterplan, then council could proceed with a new external RFP. Detailed design development is the responsibility of whomever is selected to develop specific parcels within the SCP, based on meeting general city objectives, as outlined in the updated masterplan and associated RFPs.

2. Work with SIFF to expedite development of their new home. Their plan is thoughtful and exciting. Progress on this would be a catalyst to further SCP definition and development. Work could begin immediately with site definition, entitlements, lease negotiations and architectural design.

3. Articulate an RFP for specific housing parcels within the SCP. This could be done internally with City economic development and housing staff, and could proceed immediately upon council approval of the updated SCP masterplan.

4. Articulate an RFP for resurrecting the amphitheater. Many of us (myself, SCP2) believe there are several viable ways to resurrect the amphitheater. Some in the community are skeptical. Instead of speculating without good data, prudence and best practices suggest that the City should see if there are in fact credible options or not. This can and should be done through an RFP process. See what responses you get! If the City receives no credible responses to an amphitheater lease/ development RFP, then the city could reconsider alternative uses for the amphitheater, such as conversion to a park within the SCP. But if there is credible interest and a believable, financeable, proposal, then the City should proceed expeditiously to a lease and resurrection of the amphitheater.

We are grateful for the opportunity to present these ideas, and look forward to working with you to create something very special for the city of Sedona.

Allan Affeldt

Notes

The City paid roughly $500,000 per acre for the SCP site. The parcels for private housing development could likely be sold ~ $750,000 acre (with entitlements), to pay down City debt on the project, or to subsidize workforce housing, or other site development.

Senior Housing communities are ideally 60 units+. The Peaks in Flagstaff is 140 units on mostly three floors. The SW location on SCP site would allow three floors (or four) without 89a visibility, so this density could be more than 20/acre. The senior housing site would be sold to a senior living developer for ~ $3MM, with entitlements for at least 80 units ($750,000/ac x 4 acres).

Apartment sites B and C are across from each other at site NW. These are the easiest to build sites in the SCP. At twenty units/acre, both sites will accommodate two or three floor apartments. These sites would be sold to apartment developers ~ $1,875MM for site B 2.5 acres 50 units, and $2.625MM for site C 3.5 acres 70 units, with entitlements. Market rate housing is unlikely to yield significant benefit to Sedona because market rental rates will be higher than the vast majority of our workforce can afford. If the City is serious about creating workforce housing within the SCP (or the Dells, or anywhere in the City), the City must be realistic about the need to donate land, entitlements, infrastructure, and likely provide more financial assistance. Whether the SCP masterplan focuses on workforce housing or market housing depends on council appetite for financial assistance, and realism about the challenges of building affordable housing. Building affordable housing at the Dells would be much more likely from NIMBY, cost and density perspectives. City could and should prioritize articulating a timeline for making the Dells property on east side of Hwy 89a available for workforce housing, city/county maintenance facilities, SCP parking, etc. Articulating City objectives for the Dells, with an RFP for perhaps the easternmost 100 acres, would establish developer interest, ideally for workforce housing. The Dells property could be offered ‘as-is, where-is’ so the developer(s) would assume any remediation liability and costs.

Together, SCP housing sites A, B and C total 10 acres and could be sold for around $7.5MM. The city should do no more than determine the site boundaries and objectives for housing parcels within the SCP, and then offer the sites through a standard RFP process to see if there is developer interest.

Apartment site D is across from Yavapai College. The site is in a small canyon so this could be three floors. If Sedona is serious about creating workforce housing, the site will have to be contributed to an affordable housing developer, along with entitlements, and likely significant subsidy. At $500,000/acre city cost, the 2 acre site is a $1MM contribution. Based on other affordable housing projects in Sedona and elsewhere, the City should anticipate needing to contribute at least $50,000 unit, or more likely $100,000/unit, so the City should allocate another $3MM to make this happen. That money could come from sale of other parcels within the SCP. The City could (and should) also see if there is developer interest in workforce housing on sites B and C, and how much subsidy would be required to enable that. Creating a revised SCP masterplan reflecting City objectives, followed by an RFP for housing development on specific sites, would establish what is (or isn't) possible for housing within the SCP.

SIFF is looking for a purpose-built and expanded home, and would like to build at the SCP. Their objectives are well articulated and should be incorporated within the SCP masterplan. The attached draft plan allocates 2 acres, sufficient for SIFF's proposed theater development. The SIFF plan is approximately 3.5 acres, much of which is surface parking, which can be shared with other SCP uses like the amphitheater. The amphitheater should be available to SIFF for larger events. The City should lease the SIFF site for a nominal sum, as a cultural amenity for Sedona, with a construction timeline requirement.

The Amphitheater site and existing development is magnificent, but in need of considerable investment to return it to commercial and community use. However, redevelopment costs can be phased, and will be far less than new construction. This is a major community asset, and should not be lost unless there is no viable alternative. It is incumbent upon any interested parties to further develop and articulate the business and community benefit case for saving the Amphitheater. There are private and public models. Most likely, and most common, is a hybrid: retained ownership by the City, and leased for a nominal sum to a (local if possible) non-profit (such as SCP2), or to a professional manager/operator, with the City participating in defined revenue streams: parking, ticket fees, naming, concessions etc. The tenant would assume responsibility for renovating and operating the Amphitheater. For legal reasons, the City should proceed with an RFP for lease and operation of the amphitheater. If the amphitheater is successful, the City could allocate revenue generated by the lease to some combination of amphitheater improvements, payment of the SCP debt, and other improvements within the SCP, as with an enterprise fund. If the amphitheater tenant is not successful, the City would simply terminate the lease and use the property for other purposes. The City has nothing to lose by exploring this option.

There is significant interest in a community recreation center, with some suggestion that it be incorporated in the SCP. Posse Grounds Park would be a much better location. That 79 acre site already co-locates many community recreation offerings: tennis, pickleball, baseball, basketball, skatepark, small performance theater, parking lots etc. A new Sedona Rec center could perhaps replace the 4,500 sq ft HUB. Cottonwood Recreation Center for example is around 65,000 sq ft. Cottonwood construction was funded by a $17MM bond in 2006, so cost would be likely 2x that in Sedona today. How this would be paid for is unclear, but likely from City general obligation bonds.

Yavapai College Sedona campus is clearly underperforming. YC closed the film institute in 2011, and the Culinary School in May 2025. The allocation of county community college financing is questionable: the vast majority goes to Prescott, with very little benefit to Sedona. Perhaps reuse of the YC campus could be reconsidered as part of an SCP cultural masterplan. For example, could this be developed as a Sedona Art Museum showcasing the extraordinary and largely unknown history of artists in Sedona – from Maxfield Parrish to Max Ernst and Dorothea Tanning, to the founding of Cowboy Artists of America. There are likely many famous artists (including musicians) who have lived in or still live in Sedona. The building could be leased from YC, or purchased by the City and leased, for example, to FAMoS Fine Art Museum of Sedona, a local public benefit organization working to establish an art museum here. If leased from YC, the college could cooperatively host classes in the arts, from painting to architecture, culinary to dance, with masterclasses in the Amphitheater. Options should be discussed with YC board members (none of whom are from Sedona, even though Sedona and Verde Valley property tax makes up around 30% of YC funding), and conceptually integrated in the SCP plan. The college building is ~20K sq ft, which is ideal for a regional museum.

The combination of a new home for SIFF, a revived amphitheater, and a FAMoS Fine Art Museum of Sedona, would make the Sedona Culture Park a world-class arts destination, and would help Sedona truly become A City Animated by the Arts.
By also creating diverse housing options within the SCP, the SCP could become an exciting showplace; an economic and cultural engine for the community we love and call home.

sedona cultural park

- amphitheater 5000 seats@ 6ac
- Housing A: Senior 80@ 4ac
- Housing B: Apartments 50@ 2.5ac
- Housing C: Apartments 70@ 2.5ac
- Housing D: Workforce 40@ 2ac

240

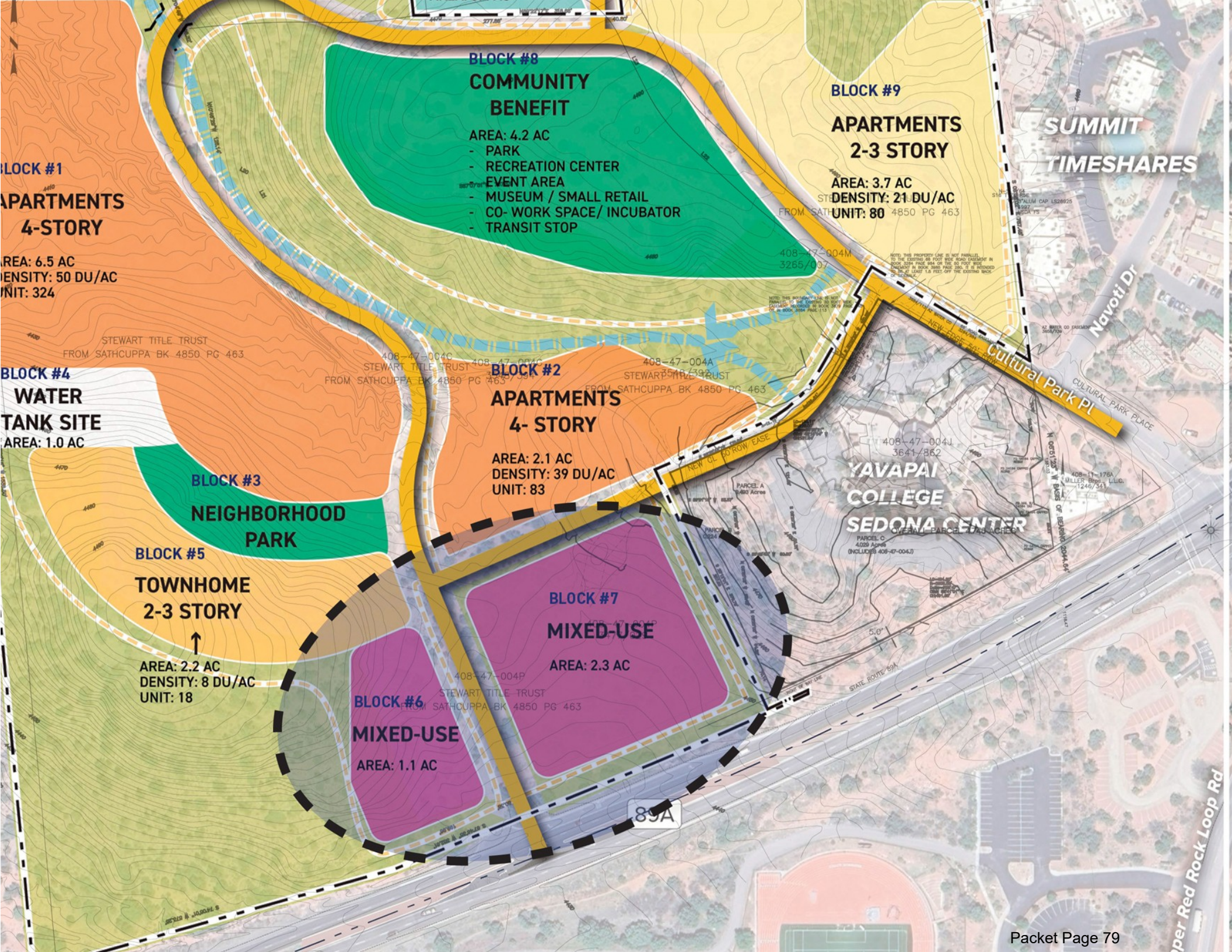
- SIFF Film Festival 2ac
- Parking 5ac

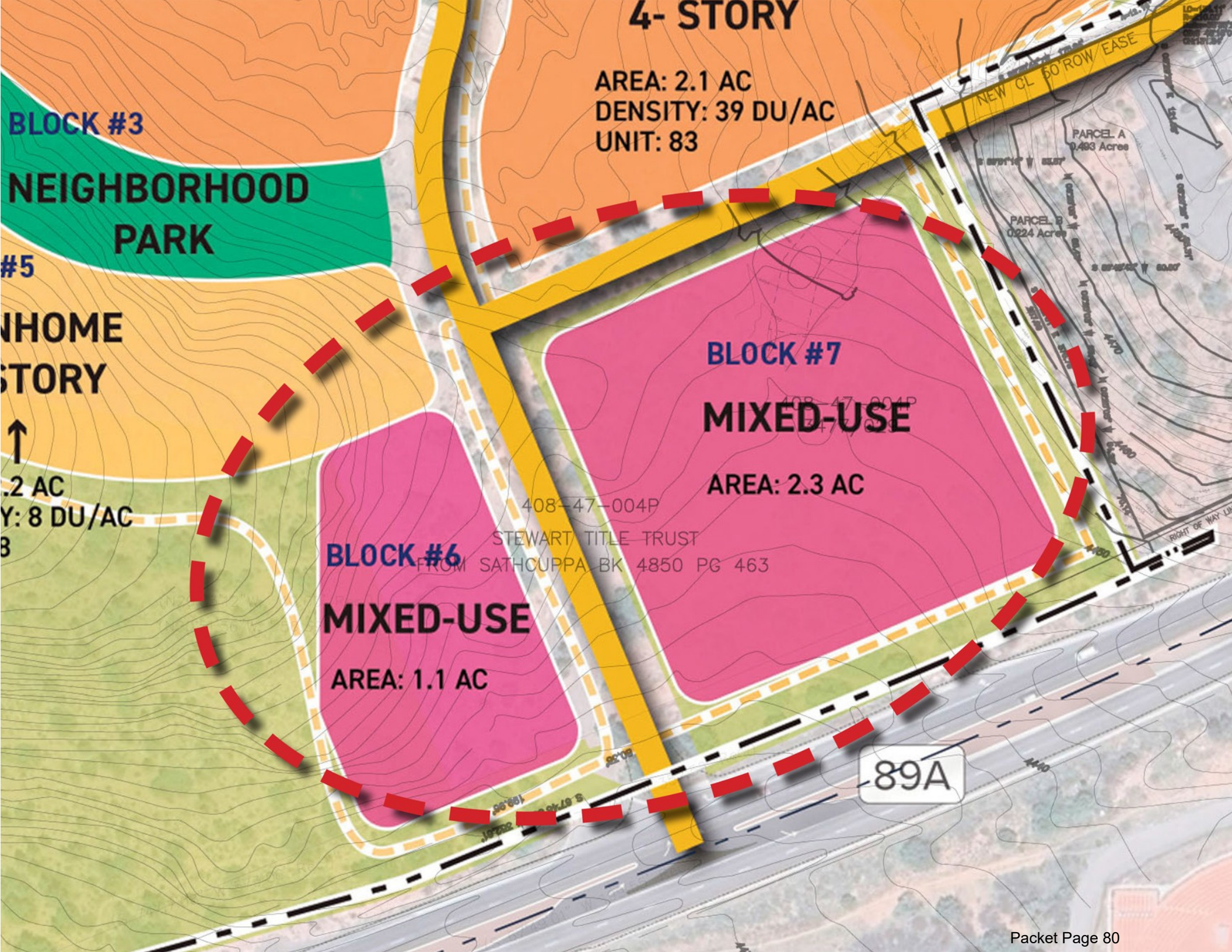
Site 41
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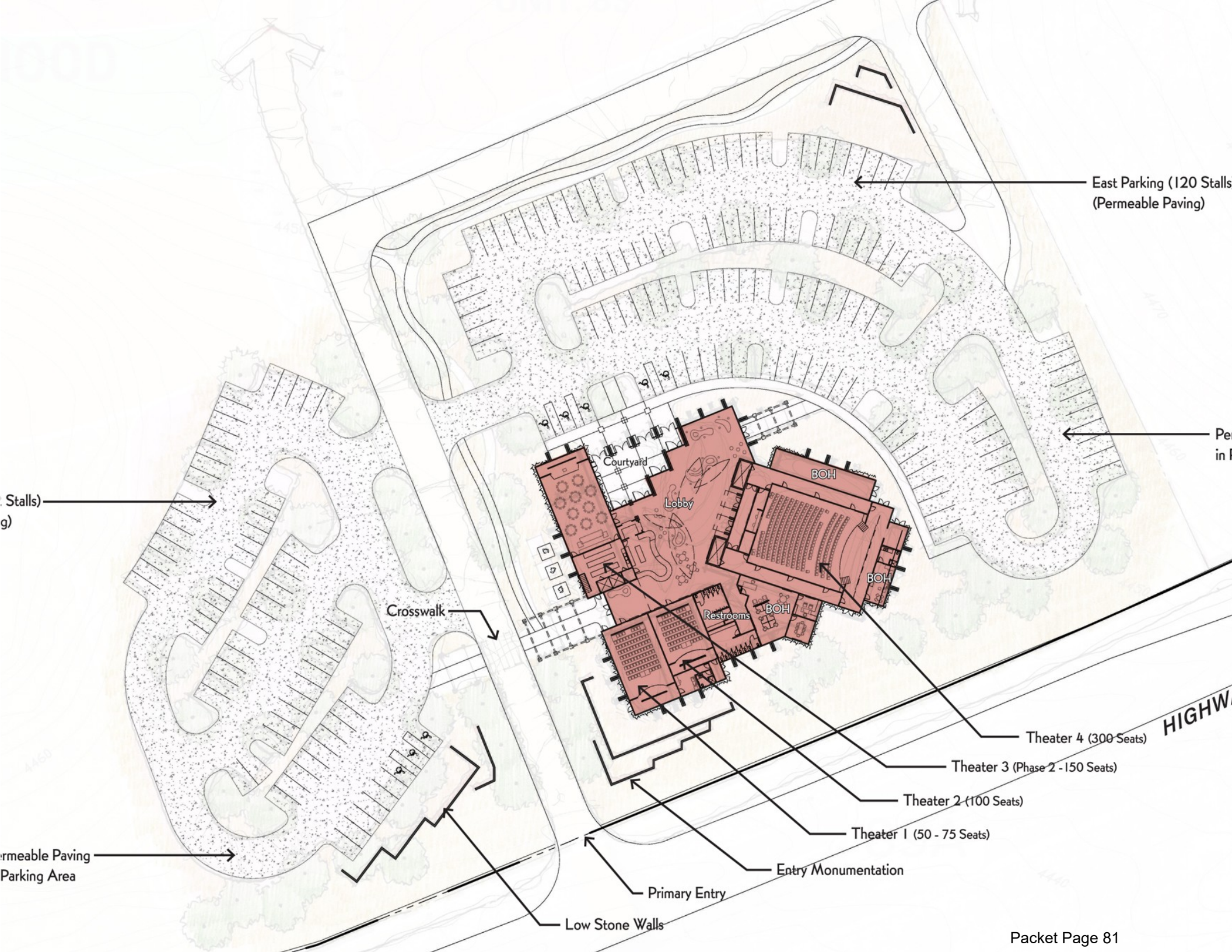
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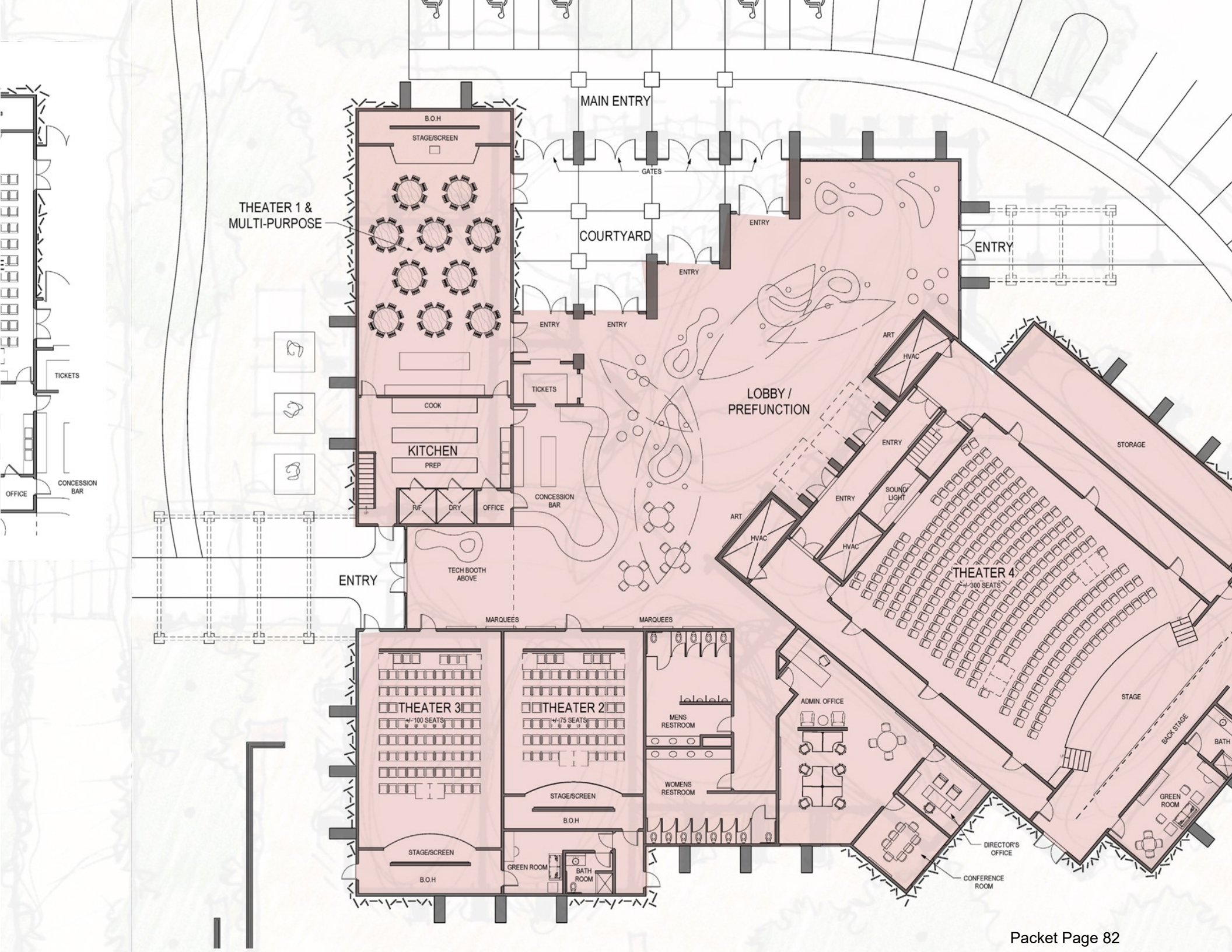
Available 11 ac
≈ 100/ac
1100 spaces




BLOCK #1
APARTMENTS
4-STORY
AREA: 6.5 AC
DENSITY: 50 DU/AC
UNIT: 324
BLOCK #4
WATER
TANK SITE
AREA: 1.0 AC
BLOCK #3
NEIGHBORHOOD
PARK
BLOCK #5
TOWNHOME
2-3 STORY
AREA: 2.2 AC
DENSITY: 8 DU/AC
UNIT: 18
BLOCK #8
COMMUNITY
BENEFIT
AREA: 4.2 AC
- PARK
- RECREATION CENTER
- EVENT AREA
- MUSEUM / SMALL RETAIL
- CO- WORK SPACE/ INCUBATOR
- TRANSIT STOP
BLOCK #2
APARTMENTS
4- STORY
AREA: 2.1 AC
DENSITY: 39 DU/AC
UNIT: 83
BLOCK #9
APARTMENTS
2-3 STORY
AREA: 3.7 AC
DENSITY: 21 DU/AC
UNIT: 80
BLOCK #7
MIXED-USE
AREA: 2.3 AC
BLOCK #6
MIXED-USE
AREA: 1.1 AC
SUMMIT
TIMESHARES
YAVAPAI
COLLEGE
SEDONA CENTER
Navoti Dr
Cultural Park Pl
CULTURAL PARK PLACE
89A
Upper Red Rock Loop Rd


4- STORY
AREA: 2.1 AC
DENSITY: 39 DU/AC
UNIT: 83
BLOCK #3
NEIGHBORHOOD PARK
#5
NHOME
STORY
.2 AC
Y: 8 DU/AC
8
BLOCK #7
MIXED-USE
AREA: 2.3 AC
BLOCK #6
MIXED-USE
AREA: 1.1 AC
408-47-004P
STEWART TITLE TRUST
FROM SATHCUPPA BK 4850 PG 463
NEW CL 50 ROW/ EASE
PARCEL A
0.493 Acres
PARCEL B
0224 Acres
89A


East Parking (120 Stalls
(Permeable Paving)
Courtyard
Lobby
BOH
BOH
BOH
Restrooms
Crosswalk
Theater 4 (300 Seats)
Theater 3 (Phase 2 - 150 Seats)
Theater 2 (100 Seats)
Theater 1 (50 - 75 Seats)
Entry Monumentation
Primary Entry
Low Stone Walls
HIGHW


MAIN ENTRY
GATES
THEATER 1 &
MULTI-PURPOSE
B.O.H
STAGE/SCREEN
COURTYARD
ENTRY
ENTRY
ENTRY
ENTRY
ENTRY
ENTRY
TICKETS
COOK
KITCHEN
PREP
R/F
DRY
OFFICE
CONCESSION
BAR
TICKETS
OFFICE
CONCESSION
BAR
LOBBY /
PREFUNCTION
ART
HVAC
ENTRY
SOUND/
LIGHT
ART
HVAC
HVAC
STORAGE
THEATER 4
+/-300 SEATS
STAGE
BACK STAGE
BATH
GREEN
ROOM
ENTRY
TECH BOOTH
ABOVE
MARQUEES
MARQUEES
THEATER 3
+/-100 SEATS
THEATER 2
+/-75 SEATS
MENS
RESTROOM
WOMENS
RESTROOM
ADMIN. OFFICE
STAGE/SCREEN
B.O.H
STAGE/SCREEN
B.O.H
GREEN ROOM
BATH
ROOM
DIRECTOR'S
OFFICE
CONFERENCE
ROOM

CITY COUNCIL AGENDA BILL

AB 3287
December 10, 2025
Special Business

Agenda Item: 3b
Proposed Action & Subject: Discussion/possible direction regarding the Wastewater Reclamation Plant (WWRP) Facility Plan on future effluent management strategies and the environmental study of the Dells land.

Department	Wastewater
Time to Present **Total Time for Item**	45 minutes 1.5 hours
Other Council Meetings	August 13, 2024 - AB 3093; January 15, 2025 – AB 3172; July 9, 2025 – AB 3172
Exhibits	A. Limited Soil Sampling Report B. Phase 1 Environmental Site Assessment C. Geotechnical Report

Finance Approval	Reviewed 11/25/25 BGW
City Attorney Approval	Reviewed 12/01/25 KWC
City Manager's Recommendation	Reviewed ABS 12/2/25

Expenditure Required
$ n/a
Amount Budgeted
$ n/a
Account No. (Description)

SUMMARY STATEMENT

Background:

The Wastewater Reclamation Plant (WWRP) Facility Plan was completed in July 2025. The purpose of the plan was to evaluate the hydraulic and treatment capacity of the WWRP, evaluate treatment processes to address potential regulatory requirements on per- and polyfluoroalkyl substances (PFAS), and evaluate effluent management alternatives.

Hydraulic and treatment capacity were found to be adequate after minor modification to the ultraviolet (UV) disinfection discharge piping, which is being done as part of the WWRP UV Replacement Project currently under construction.

The Environmental Protection Agency (EPA) has not begun rulemaking for PFAS treatment in wastewater, and thus the costs developed in the Facility Plan have been incorporated as a placeholder in the 10-year CIP budget for implementation when regulations are imposed.

At the July 9, 2025 City Council meeting, staff presented five (5) ranked alternatives for future effluent management. The alternatives included various combinations of spray irrigation,

wetlands, aquifer recharge, reclaimed water delivery, and implementation of advanced water purification (AWP).

- Alternative 1: Keep existing irrigation (approximately 265 acres), wetlands, and injection wells, and add two injection wells for needed future effluent management capacity.
- Alternative 2: Abandon 200 acres of irrigation and add two new injection wells in the short term; plan for two additional wells in the long term for needed capacity.
- Alternative 3: Deliver reclaimed water to parks and keep current irrigation, wetlands, and injection wells.
- Alternative 4: Deliver reclaimed water to parks, keep wetlands and existing injection wells, and abandon irrigation except Area 3 by adding two new injection wells.
- Alternative 5: Implement AWP and potable delivery.

The alternatives were ranked using several evaluation criteria by a team consisting of three wastewater staff and two Carollo Engineers staff. The final score for the alternatives, using a scale of 1 to 10, with 1 being the lowest and 10 being the highest score, is summarized below:

	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5
Overall Score	5.70	7.66	5.92	7.51	6.14
Capital Cost ($, million)	$11	$22	$28.6	$39.6	$161

Council Direction

Upon presentation of these ranked alternatives, Council directed staff to conduct an environmental study of the 200 acres of land known as the Dells. Council also directed staff to work with Arizona Water Company (AWC) to determine the best use of effluent that would benefit both the city and AWC for long-term water assurance.

Dells Land

Staff contracted with Nino & Moore to evaluate environmental impacts of irrigating the land with effluent and to determine soil suitability for future development. The environmental evaluation consisted of sampling 11 areas of the Dells and lab testing soil samples for the presence of 37 constituents of potential concern, including fecal coliform, corrosivity, cyanide, various metals, chromium, and organochlorine pesticides. The laboratory results and evaluation concluded concentrations of all constituents were either non-detect or below established levels set by the Arizona Department of Environmental Quality (ADEQ), and thus, there is little to no environmental impact resulting from irrigation of effluent. In addition, the Phase I Environmental Site Assessment found no recognized environmental conditions, and no additional environmental investigation is recommended.

The geotechnical evaluation consisted of sampling 15 exploratory borings to evaluate the suitability for development of the Dells. The results concluded that the land is suitable for development with considerations for proper drainage and engineered fill in areas of development, and recommends that additional, more in-depth geotechnical analysis occur in the specific areas of development to better screen for any unsuitable materials.

Effluent Use

The highest ranked alternative (alternative 2) of abandoning 200 acres of irrigation and adding up to four (4) additional aquifer recharge (AR) wells is the best solution for the city's effluent management. Based on the joint water resources planning conducted by the City and AWC since June 2023, the effluent is necessary to provide an assured water supply for the Sedona area. The highest ranked alternative does not support an assured water supply for the residents and businesses of Sedona. As discussed during the July 9, 2025 Council meeting, and based on analyses conducted by AWC, at least 2 of AWC's production wells could be at risk through the adjudication process. The potential consequences of that risk are not known today, but could result in the curtailment of pumping from those wells. If pumping from those wells is curtailed, either new wells will need to be drilled at a considerable distance from Oak Creek or alternative water supplies, like the effluent, will need to be developed.

If alternative 2 is the chosen effluent management strategy, aquifer storage and recovery wells (ASR) could potentially be an alternative type of well as an option to pump out the injected effluent. The city currently recharges to a fractured rock aquifer, which provides less natural filtration than alluvial aquifers containing more sand and gravel. Regulatory requirements for ASR wells will likely require additional treatment of the recovered water to remove PFAS, sedimentation, and organics. The level of treatment required may be reduced if the ASR wells are located further south, where the aquifer is alluvial, which aids the natural removal of organics. In addition, ASR wells would require pumping the recovered water to a storage tank for distribution. The addition of ASR wells, pumping, and storage as a potable water source adds significant cost to Alternative 2 to include supporting a long term assured water supply.

In consideration of these facts, advanced water purification (AWP) (alternative 5) may be the best alternative for water supply to Sedona residents. While alternative 5 is identified as having the highest capital and operating costs, it should be considered as a reliable option that incorporates both effluent disposal and long term assured water supply in Sedona.

Staff are therefore recommending a more comprehensive alternatives analysis be conducted to further evaluate recharge/recovery and AWP as effluent management strategies. The scope of work for additional studies could include:

- Water quality testing of recharged water to include PFAS, sedimentation, and organics to determine the level of additional treatment for recovered water.
- Evaluation of locating ASR wells further downstream of the wastewater reclamation plant in alluvial aquifers, to include land acquisition.
- Additional evaluation of AWP treatment to determine potentially lower cost treatment alternatives
- Determination of available grant funding for implementation of AWP
- Funding alternatives, including grant funding, voter approved sales tax measures, bonding, and utility rate structure to both water and wastewater customers for ASR wells or treatment and distribution of AWP water
- A public outreach plan and stakeholder engagement for the implementation of AWP
- Phasing plans for ASR wells and implementation of AWP
- Shared operational responsibilities of the city and AWC, incorporating regulatory requirements for both treatment and distribution of AWP

Staff is asking Council for direction on the additional study of ASR wells and/or AWP. The study would be conducted under the City's current Master Service Agreements for professional

services. Depending on the scope of work, costs to complete the study can be expected to range from $50,000 to $200,000 and the cost would be shared between the city and AWC.

Climate Action Plan/Sustainability Consistent: ☒**Yes -** ☐**No -** ☐**Not Applicable**

Additional in-depth evaluation of ASR wells and AWP will meet the goals related to the Water Resources Management Plan action for creating an integrated water resources management plan that ensures a long-term sustainable supply of water.

Board/Commission Recommendation: ☐**Applicable -** ☒**Not Applicable**

Alternative(s): n/a

MOTION

I move to: For discussion/possible direction only.

Limited Soil Sampling
200-Acre Site
State Route 89A and Forest Road 89B
Sedona, Arizona

City of Sedona
102 Roadrunner Drive | Sedona, Arizona 86366

November 19, 2025 | Project No. 609020002

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Limited Soil Sampling
200-Acre Site
State Route 89A and Forest Road 89B
Sedona, Arizona

Ms. Roxanne Holland
City of Sedona
102 Roadrunner Drive | Sedona, Arizona 86366

November 19, 2025 | Project No. 609020002

Amie Town
Project Environmental Scientist

Christian D. Lewallen, RG, PG
Senior Geologist

ALT/CDL/amg

REGISTERED GEOLOGIST
CERTIFICATE NO.
67107
CHRISTIAN
LEWALLEN
DATE SIGNED
11/19/2025
ARIZONA U.S.A.

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TABLE

Table 1 – Soil Sample Results

FIGURES

1 – Site Location

2 – Soil Sample Locations

APPENDIX

A – Laboratory Analytical Reports and Chain-of-Custody

1 INTRODUCTION AND SITE BACKGROUND

Ninyo & Moore was retained by the City of Sedona (the Client) to conduct limited soil sampling for the 200 acres of land located near the intersection of State Route 89A and Forest Road 89B in Sedona, Arizona (*the Site*). The Site has been irrigated with Class A+ effluent water over the last +/-20 years, and there is a desire to better understand if this irrigation has adversely affected the environmental properties of the underlying soils.

2 INVESTIGATIVE METHODOLOGY

Ninyo & Moore conducted the Limited Soil Investigation by collecting a limited number of samples for laboratory analysis to evaluate the presence of 37 specific contaminants in soil from ten locations in agricultural areas of historical irrigation and potential pesticide use, and one comparative background sample in an area not observed to have historically received effluent water.

2.1 Sample Locations

Eleven soil borings were advanced using a hand auger and including 10 borings located in the irrigation areas adjacent to sprinkler heads which appeared to have been irrigated due to the presence of dense vegetation and an additional background boring located at the southeastern corner of the Site, in apparent native, non-irrigated land. Eleven total samples were collected from the Site, with soil samples collected from approximately 1.5 feet below ground surface (bgs) at each boring location. Figure 2 shows the individual soil boring locations on an aerial photograph of the Site.

2.2 Sample Methodology

Ninyo & Moore utilized a decontaminated hand-auger to collect the soil samples. At each hand auger sample location, once the selected sample depth was reached, the sample was then collected in a laboratory-supplied, certified clean, glass jar. Once full, the jar was sealed with a Teflon-lined lid and labeled with the project number, sample number, date, and time. Immediately following collection, each sample was stored in a cooler with ice, and transported via hand carry or courier to an Arizona Department of Health Services-certified analytical laboratories Alliance Technical Group (Alliance) and Eurofins Environment Testing (Eurofins) under standard chain-of-custody protocols and using laboratory-provided chain-of-custody documentation. To protect sample integrity, chain-of-custody procedures were maintained from the time the containers arrived in Ninyo & Moore's possession, throughout the time of sample collection, until returned to the environmental laboratory for analysis.

Nitrile gloves were worn by sampling personnel, and changed between each sample collection location. Used disposable sample equipment and personal protective equipment were placed inside a plastic bag and disposed as municipal waste. Reusable sampling equipment was cleaned in an Alconox-potable water solution, rinsed with potable water, then given a final rinse in deionized water and allowed to air dry. Reusable equipment was cleaned prior to obtaining each soil sample to limit the possibility of cross-contamination between samples. Spent wash waters used to clean sampling equipment were poured onto the Site and allowed to evaporate.

2.3 Analytical Methods

To assess the potential impact from the 37 specific contaminants, samples were analyzed by Alliance and/or Eurofins laboratories for the following parameters:

- Fecal coliform by Standard Method (SM) 9221;
- pH by Environmental Protection Agency (EPA) Method 9045;
- Cyanide by EPA Method 9014;
- Total Metals, including antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, zinc, and mercury using EPA Method 6010 or 7471;
- Organochlorine Pesticides by EPA Method 8081; and
- Five soil samples were also analyzed for Hexavalent Chrome (Chromium VI) by EPA Method 7196A.

3 LABORATORY ANALYTICAL RESULTS

Laboratory analytical results were evaluated and compared to currently established ADEQ pre-determined minimum groundwater protection levels (GPLs) and ADEQ residential and non-residential soil remediation levels (SRLs), where established. Minimum GPLs are soil cleanup levels considered protective of groundwater quality (ADEQ, 2014). In addition, laboratory analytical results were evaluated and compared to currently established EPA maximum pollutant metals concentrations for biosolid land application (EPA, 1994), and EPA Class A and Class B Pathogen Reduction Requirements for fecal coliform.

The laboratory analytical results are discussed in the following paragraphs, and summarized in Table 1 at the end of this report. As previously stated, a copy of the laboratory analytical reports with chain-of-custody documentation is presented in Appendix A.

3.1 Fecal Coliform

As shown in Table 1, no concentrations of fecal coliform were detected above the laboratory reporting limit of 1.8 most probable number per gram (MPN/g) in any of the 11 soil samples collected. No SRLs or GPLs are currently established for fecal coliform. In addition, the laboratory analytical results reported where well below the EPA Class A and Class B Pathogen Reduction limit for fecal coliform (<1,000 MPN/g) established in Arizona Administrative Code (A.A.C.) R18-9-1006 Subsection (D).

3.2 Corrosivity (pH)

As shown in Table 1, the pH for each of the 11 soil samples were generally similar, and ranged from 8.2 to 8.8. According to the Natural Resources Conservation Service (NRCS) Soil Health Guide, these soils are considered moderately to strongly alkaline and no SRLs or GPLs are currently established for pH.

3.3 Cyanide

As shown in Table 1, concentrations of cyanide were not detected above the laboratory reporting limit of 1.0 micrograms per kilogram (mg/kg) in any of the 11 soil samples collected. The ADEQ residential SRL for cyanide is 1,200 mg/kg and no GPL or maximum pollutant concentration for biosolid land application has been established by ADEQ for cyanide.

3.4 Total Metals

As shown in Table 1, arsenic, beryllium, chromium, copper, lead, nickel, and zinc were detected in each sample. All metals detected above laboratory reporting limits were below their respective ADEQ residential SRLs, except arsenic, which was detected in four samples above the ADEQ residential SRL of 10 mg/kg; however, the detected concentrations of arsenic were within the Arizona Background Metal Concentrations of 1.4 to 97 mg/kg and ranged from 13 to 36 mg/kg.

3.5 Chromium IV

As shown in Table 1, chromium (reported as total chromium) was detected in all eleven samples, ranging from 12 to 82 mg/kg. Five of the soil samples (S-5, S-8, S-9, S-10, and S-11) were reported above the residential SRLs for hexavalent chromium (chromium VI) of 30 mg/kg and were reanalyzed for chromium VI. Although total chromium was slightly elevated in these five samples, the hexavalent chromium analysis found no hexavalent chromium and therefore the slightly elevated total chromium result by EPA Method 6010 were considered trivalent

chromium (chromium III), and well below ADEQ's SRLs. All five samples analyzed for chromium VI were reported below the laboratory reporting limit of 1.0 mg/kg.

3.6 Organochlorine Pesticides

As shown in Table 1, all 11 soil samples collected did not exceed laboratory reporting limits for each of the 20 pesticide analytes.

4 QUALITY ASSURANCE/QUALITY CONTROL

This section presents Quality Assurance/Quality Control (QA/QC) requirements relevant to analysis of environmental samples that were followed during all project analytical activities. The purpose of the QA/QC program is to produce data of known quality that satisfy the project objectives and that meet or exceed the requirements of the standard methods of analysis.

4.1 Quality Control Procedures

The chemical data collected for this effect was used to determine that the extent of impacts is properly evaluated. As such, it is critical that the chemical data be of the highest confidence and quality. Consequently, strict QA/QC procedures were adhered to. These procedures included:

- Adherence to protocols for field sampling and decontamination procedures.
- Laboratory analysis of matrix spike and a matrix spike duplicate to evaluate precision and accuracy.
- Attainment of completeness goals.

4.2 Laboratory Quality Assurance

Laboratory quality control procedures were conducted in a manner consistent with relevant guidance documents. Deliverables (lab reports) contain the supporting documentation necessary for data verification/validation. Internal laboratory quality control checks included method blanks, laboratory control standards (lab spikes), system monitoring compounds, calibration standards, and internal standards.

The soil samples delivered to Eurofins for fecal coliform were reported with two qualifiers: H1, sample analysis was performed past holding time, and H3, sample was received and/or analysis requested past holding time. This was due to a media shortage of MPN media from the laboratory supplier when the soil samples were originally submitted to the laboratory.

4.3 Background Sample

A background soil sample (S-11) was collected from a boring located at the southeastern corner of the Site, in apparent native non-irrigated land to use as a comparison the soil samples collected within the observed irrigated areas. The background soil sample analytical results were observed to be similar to the irrigated soil sample location results.

5 CONCLUSIONS

A total of 11 soil samples were collected from eleven locations including 10 samples within irrigated areas of land and one background sample from the southeastern corner of the Site, on apparent native desert land which was located outside of the irrigated soil area. Soil samples were analyzed for 37 selected constituents of potential concern including: corrosivity (pH), cyanide, fecal coliform, total metals (including antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc), mercury, and organochlorine pesticides.

Concentrations of all soil samples analyzed for cyanide, fecal coliform, total metals (including antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc), mercury, and organochlorine pesticides were either non-detect for each contaminant of concern; detected but well below their respective ADEQ residential and non-residential SRLs, where established; or within Arizona Background Metal Concentrations. ADEQ GPLs, where established, were also not exceeded in any of the samples collected and analyzed. In addition, the laboratory analytical results reported where well below the ADEQ Class A and Class B Pathogen Reduction limit for fecal coliform (A.A.C. R18-9-1006 Subsection [D]). The laboratory analytical results reported were below the currently established ADEQ maximum pollutant metals concentrations for (A.A.C. R18-9-1005, Table 1).

6 RECOMMENDATIONS

The samples collected showed little to no environmental impact in excess of the current ADEQ SRLs or GPLs standards, where established, nor any ADEQ biosolid land application limits. Samples with concentrations of arsenic reported above ADEQ SRLs were within the established Arizona background metal concentrations in soil. Therefore, no additional sub-surface assessment is recommended at this time.

7 LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by

environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in Site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. This investigation did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-Site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject Site. The testing and analyses have been conducted by independent laboratories which are certified by the State of Arizona to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Ninyo & Moore’s conclusions, recommendations, and opinions are based on an analysis of the observed Site conditions. It should be understood that the conditions of the Site could change with time as a result of natural processes or the activities of man at the subject Site or nearby properties. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

8 REFERENCES

Arizona Administrative Code, Title 18 – Environmental Quality, Chapter 7 – Department of Environmental Quality, Remedial Action, – Soil Remediation Levels, 2009.

Arizona Administrative Code, Title 18 – Environmental Quality, Chapter 9, – Department of Environmental Quality - Water Pollution Control, Article 10 – Arizona Pollutant Discharge Elimination System – Disposal, Use, and Transportation of Biosolids, 2019.

Arizona Department of Environmental Quality (ADEQ), 1996, *A Screening Method to Determine Soil Concentrations Protective of Groundwater Quality*, prepared by the Leachability Working Group of the Cleanup Standards/Policy Task Force, September.

Arizona Department of Environmental Quality (ADEQ), 2010, Memorandum, *Methodology for Calculating Groundwater Protection Levels (GPLs) for Nitrate, Nitrite, Total Nitrogen, and other "Salts" for Clean Closure at Non-Recharge Sites*, prepared for the Groundwater Section: dated November 4.

Ninyo & Moore, 2021, Lined Pond Soil Investigation Work Plan, Inscription Canyon Ranch Wastewater Treatment Plant, 14000 Great Bears Trail, Prescott, Arizona: dated August 25.

The Earth Technology Corporation (TETC), 1991, *Evaluation of Background Metals Concentrations in Arizona Soils*, prepared for Arizona Department of Environmental Quality Groundwater Hydrology Section.

US Department of Agriculture, Natural Resources Conservation Science (NRCS), Soil Health Guide, Soil Health – pH.

US Environmental Protection Agency (USEPA), 1994. Land Application of Sewage Sludge: A Guide for Land Appliers on the Requirements of Federal Standards for the Use and Disposal of Sewage Sludge, 40 CFR Part, OECA Publication 831-B-93-002b. December.

TABLE

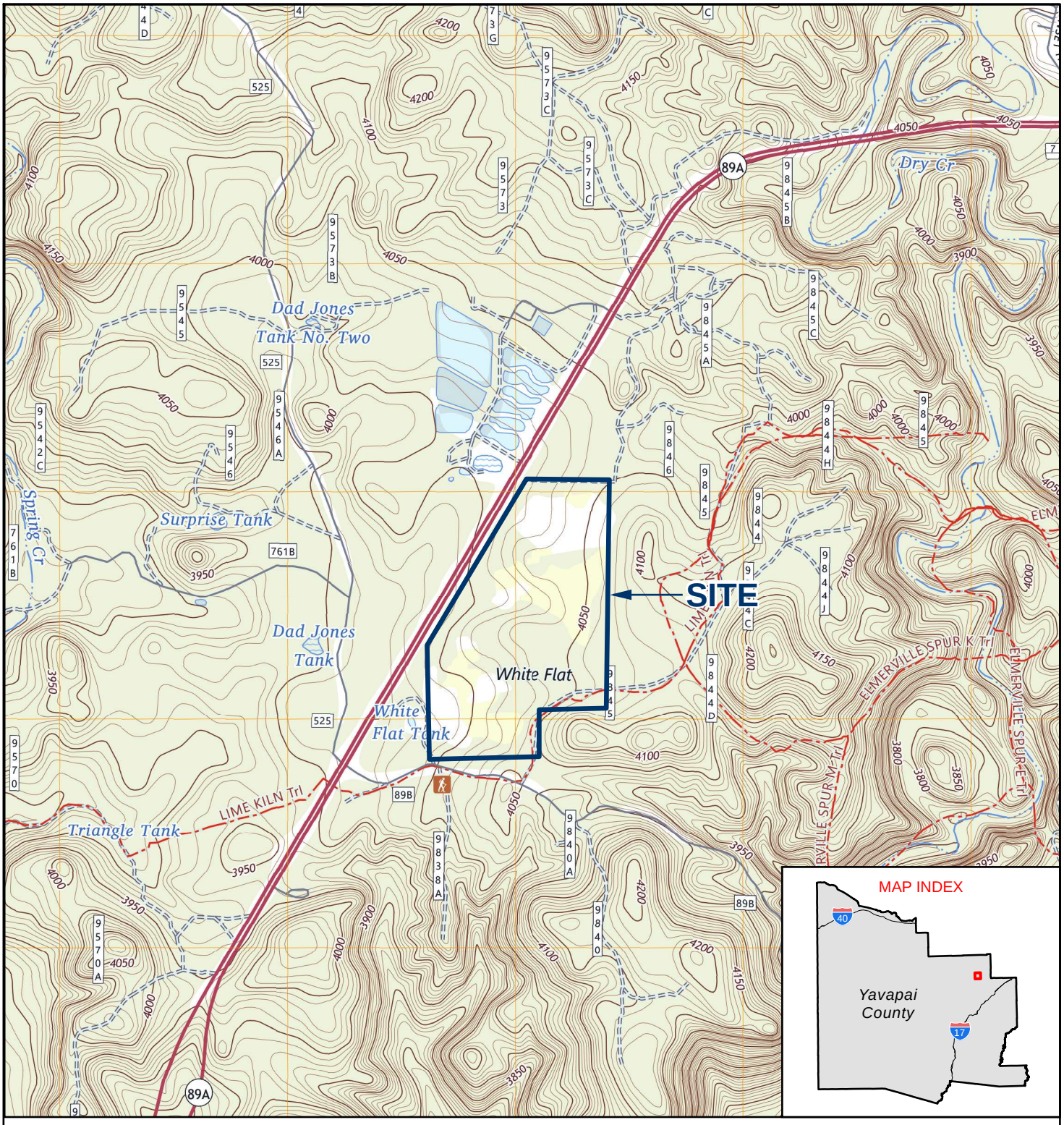
Table 1 - Soil Sample Results

Analyte	Units	ADEQ Residential 10^{-6} SRL	ADEQ Residential 10^{-5} SRL	ADEQ Residential Non-Carcinogen SRL	ADEQ Non-Residential SRL	AZ GPLs	Arizona Background Metal Concentrations Min to Max (mg/kg)	Ceiling Concentration for Biosolid Land Application (w/Class A Pathogen Reduction)	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11
Fecal Coliform	(MPN/g)	NE	NE	NE	NE	NE	NE	1,000	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Corrosivity (pH)	N/A	NE	NE	NE	NE	NE	NE	NE	**8.6**	**8.4**	**8.5**	**8.4**	**8.7**	**8.8**	**8.6**	**8.5**	**8.3**	**8.5**	**8.2**
Cyanide	(mg/kg)	NE	NE	1,200	12,000	NE	NE	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals																			
Antimony	(mg/kg)	NE	NE	31	410	35	<150 to 500	NE	<4.0	<6.0	<12	<6.0	<6.0	<8.0	<10	<12	<10	<12	<4.0
Arsenic	(mg/kg)	10	10	10	10	290	1.4 to 97	75	**5.5**	<6.0	13	<6.0	15	<8.0	<10	36	<10	13	**5.8**
Beryllium	(mg/kg)	NE	NE	150	1,900	23	1 to 7	NE	<1.0	<1.5	<3.0	<1.5	<1.5	<2.0	<2.5	<3.0	<2.5	<3.0	**1.1**
Cadmium	(mg/kg)	NE	NE	39	510	29	ND to 1.7	85	<1.0	<1.5	<3.0	<1.5	<1.5	<2.0	<2.5	<3.0	<2.5	<3.0	<1.0
Chromium III	(mg/kg)	NE	NE	120,000	1,000,000	590	5 to 300	3,000	**19**	**26**	**26**	**18**	**33**	**20**	**12**	**43**	**32**	**49**	**82**
Chromium VI*		30	NE	NE	65	NE	NE	NE	NA	NA	NA	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Copper	(mg/kg)	NE	NE	3,100	41,000	NE	2 to 300	4,300	**10**	<15	<30	<15	**17**	<20	<25	<30	<25	<30	**45**
Lead	(mg/kg)	NE	NE	400	800	290	ND to 100	840	**2.4**	<2.4	<4.8	<2.4	**2.7**	<3.2	<4.0	<4.8	<4.0	<4.8	**11**
Mercury	(mg/kg)	NE	NE	390	5,100	290	<0.1 to 1.6	57	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	(mg/kg)	NE	NE	1,600	20,000	590	<3 to 700	420	**14**	**20**	**19**	**15**	**27**	**16**	**14**	**27**	**24**	**36**	**120**
Selenium	(mg/kg)	NE	NE	390	5,100	NE	<0.05 to 0.8	100	<9.6	<14	<29	<14	<14	<19	<24	<29	<24	<29	<9.6
Silver	(mg/kg)	NE	NE	23	310	NE	ND to 0.57	NE	<1.0	<1.5	<3.0	<1.5	<1.5	<2.0	<2.5	<3.0	<2.5	<3.0	<1.0
Thallium	(mg/kg)	NE	NE	5.2	67	12	NE	NE	<4.0	<6.0	<12	<6.0	<6.0	<8.0	<10	<12	<10	<12	<4.0
Zinc	(mg/kg)	NE	NE	23,000	310,000	NE	10 to 2,000	7,500	**20**	**28**	<30	**18**	**38**	<20	<25	<30	**25**	**33**	**68**
Organochlorine Pesticides																			
Aldrin	(mg/kg)	0.032	0.32	NE	1.0	NE	NE	NE	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
alpha-BHC	(mg/kg)	0.10	1.0	NE	3.6	NE	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
beta-BHC	(mg/kg)	0.36	3.6	NE	13	NE	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
gamma-BHC (Lindane)	(mg/kg)	0.50	5.0	NE	17	0.088	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
delta-BHC	(mg/kg)	NE	NE	NE	NE	NE	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chlordane	(mg/kg)	1.9	19	NE	65	NE	NE	NE	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
4,4'-DDD	(mg/kg)	2.8	28	NE	100	NE	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,4'-DDE	(mg/kg)	2.0	20	NE	70	NE	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
4,4'-DDT	(mg/kg)	2.0	20	NE	70	NE	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dieldrin	(mg/kg)	0.034	0.34	NE	1.1	NE	NE	NE	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan I	(mg/kg)	NE	NE	NE	NE	NE	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Endosulfan II	(mg/kg)	NE	NE	NE	NE	NE	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Endosulfan sulfate	(mg/kg)	NE	NE	NE	NE	NE	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Endrin	(mg/kg)	NE	NE	18	180	45	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Endrin aldehyde	(mg/kg)	NE	NE	NE	NE	NE	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Endrin ketone	(mg/kg)	NE	NE	NE	NE	NE	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Heptachlor	(mg/kg)	0.12	1.2	NE	3.8	NE	NE	NE	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor epoxide	(mg/kg)	0.06	0.60	NE	1.9	NE	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Methoxychlor	(mg/kg)	NE	NE	310	3,100	NE	NE	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Toxaphene	(mg/kg)	0.5	5.0	NE	16	NE	NE	NE	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

* = Total Chrome reanalyzed for Hexavalent Chrome (Chromium VI)
USEPA = United States Environmental Protection Agency.
ADEQ = Arizona Department of Environmental Quality.
SRL = Soil Remediation Level.
MPN/g = Most Probable Number per Gram of total solids (dry weight basis).
mg/kg = milligrams per kilogram.
AZ = Arizona.
GPL = Groundwater Protection Level.
MDL = EPA Method Detection Limit
N/A = Not Applicable.
NE = Not established.
NA = Not analyzed.
RDL = Laboratory Reported Detection Limit
<0.020 = Analyte not detected at a concentration equal to, or exceeding, the value shown.
Bold = Results indicate the analyte was detected at a concentration equal to or exceeding the laboratory RDL or MDL but does not exceed a regulatory limit.
13 = Concentration reported above ADEQ SRL but within Arizona Background Metal Concentrations.

FIGURES



N

FEET

0 2,000 4,000

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: USGS, 2025

P609020002.aprx 11/6/2025 DRAFTED BY: JDL

FIGURE 1

SITE LOCATION

LIMITED SOIL SAMPLING
STATE ROUTE 89A AND FOREST SERVICE ROAD 89B
SEDONA, ARIZONA

609020002 | 11/25

Ninyo & Moore
A SOCOTEC COMPANY



LEGEND

S-11 SOIL SAMPLE

SITE BOUNDARY

N

FEET

0 600 1,200

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: GOOGLE, 2025

P609020002.aprx 11/5/2025 DRAFTED BY: JDL

FIGURE 2

SAMPLE LOCATIONS

LIMITED SOIL SAMPLING
STATE ROUTE 89A AND FOREST SERVICE ROAD 89B
SEDONA, ARIZONA
609020002 | 11/25

Ninyo & Moore
A SOCOTEC COMPANY

APPENDIX A

Laboratory Analytical Reports
and Chain-of-Custody

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Lewallen
Ninyo & Moore
3202 E. Harbour Drive
Phoenix, Arizona 85034

Generated 10/21/2025 6:07:15 PM Revision 1

JOB DESCRIPTION

609020002
Sedona, AZ

JOB NUMBER

550-236270-1

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite #189
Phoenix AZ 85040

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southwest, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Qualifiers

Biology

Qualifier	Qualifier Description
H1	Sample analysis performed past holding time.
H3	Sample was received and/ or analysis requested past holding time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
550-236270-1

REVISION

The report being provided is a revision of the original report sent on 10/13/2025. The report (revision 1) is being revised due to Client wants analysis run out of hold time.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 9/18/2025 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 11.4°C.

Receipt Exceptions
Method was put on hold by request of the PM due to the fact we are awaiting confirmation by the client.

S-1 (550-236270-1), S-2 (550-236270-2), S-3 (550-236270-3), S-4 (550-236270-4), S-5 (550-236270-5), S-6 (550-236270-6), S-7 (550-236270-7), S-8 (550-236270-8), S-9 (550-236270-9), S-10 (550-236270-10) and S-11 (550-236270-11)

Biology
Method 9221E: The following samples were received outside of holding time: S-1 (550-236270-1), S-2 (550-236270-2), S-3 (550-236270-3), S-4 (550-236270-4), S-5 (550-236270-5), S-6 (550-236270-6), S-7 (550-236270-7), S-8 (550-236270-8), S-9 (550-236270-9), S-10 (550-236270-10), S-11 (550-236270-11) and (550-236270-A-1 DU).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
550-236270-1	S-1	Solid	09/17/25 10:08	09/18/25 14:50	Nevada
550-236270-2	S-2	Solid	09/17/25 10:30	09/18/25 14:50	Nevada
550-236270-3	S-3	Solid	09/17/25 09:42	09/18/25 14:50	Nevada
550-236270-4	S-4	Solid	09/17/25 11:17	09/18/25 14:50	Nevada
550-236270-5	S-5	Solid	09/17/25 09:21	09/18/25 14:50	Nevada
550-236270-6	S-6	Solid	09/17/25 11:45	09/18/25 14:50	Nevada
550-236270-7	S-7	Solid	09/17/25 09:00	09/18/25 14:50	Nevada
550-236270-8	S-8	Solid	09/17/25 08:42	09/18/25 14:50	Nevada
550-236270-9	S-9	Solid	09/17/25 08:20	09/18/25 14:50	Nevada
550-236270-10	S-10	Solid	09/17/25 07:45	09/18/25 14:50	Nevada
550-236270-11	S-11	Solid	09/17/25 12:00	09/18/25 14:50	Nevada

Detection Summary

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Client Sample ID: S-1 — Lab Sample ID: 550-236270-1

No Detections.

Client Sample ID: S-2 — Lab Sample ID: 550-236270-2

No Detections.

Client Sample ID: S-3 — Lab Sample ID: 550-236270-3

No Detections.

Client Sample ID: S-4 — Lab Sample ID: 550-236270-4

No Detections.

Client Sample ID: S-5 — Lab Sample ID: 550-236270-5

No Detections.

Client Sample ID: S-6 — Lab Sample ID: 550-236270-6

No Detections.

Client Sample ID: S-7 — Lab Sample ID: 550-236270-7

No Detections.

Client Sample ID: S-8 — Lab Sample ID: 550-236270-8

No Detections.

Client Sample ID: S-9 — Lab Sample ID: 550-236270-9

No Detections.

Client Sample ID: S-10 — Lab Sample ID: 550-236270-10

No Detections.

Client Sample ID: S-11 — Lab Sample ID: 550-236270-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Client Sample ID: S-1
Lab Sample ID: 550-236270-1
Date Collected: 09/17/25 10:08
Matrix: Solid
Date Received: 09/18/25 14:50

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-2
Lab Sample ID: 550-236270-2
Date Collected: 09/17/25 10:30
Matrix: Solid
Date Received: 09/18/25 14:50

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-3
Lab Sample ID: 550-236270-3
Date Collected: 09/17/25 09:42
Matrix: Solid
Date Received: 09/18/25 14:50

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-4
Lab Sample ID: 550-236270-4
Date Collected: 09/17/25 11:17
Matrix: Solid
Date Received: 09/18/25 14:50

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-5
Lab Sample ID: 550-236270-5
Date Collected: 09/17/25 09:21
Matrix: Solid
Date Received: 09/18/25 14:50

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-6
Lab Sample ID: 550-236270-6
Date Collected: 09/17/25 11:45
Matrix: Solid
Date Received: 09/18/25 14:50

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-7
Lab Sample ID: 550-236270-7
Date Collected: 09/17/25 09:00
Matrix: Solid
Date Received: 09/18/25 14:50

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Client Sample ID: S-8
Date Collected: 09/17/25 08:42
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-8
Matrix: Solid

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-9
Date Collected: 09/17/25 08:20
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-9
Matrix: Solid

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-10
Date Collected: 09/17/25 07:45
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-10
Matrix: Solid

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

Client Sample ID: S-11
Date Collected: 09/17/25 12:00
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-11
Matrix: Solid

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8	H1 H3	1.8		MPN/g			10/14/25 17:50	1

QC Sample Results

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Lab Sample ID: 550-236270-1 DU
Matrix: Solid
Analysis Batch: 338721

Client Sample ID: S-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Coliform, Fecal	<1.8	H1 H3		<1.8		MPN/g				NC	

QC Association Summary

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Biology

Analysis Batch: 338721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-236270-1	S-1	Total/NA	Solid	SM 9221E	
550-236270-2	S-2	Total/NA	Solid	SM 9221E	
550-236270-3	S-3	Total/NA	Solid	SM 9221E	
550-236270-4	S-4	Total/NA	Solid	SM 9221E	
550-236270-5	S-5	Total/NA	Solid	SM 9221E	
550-236270-6	S-6	Total/NA	Solid	SM 9221E	
550-236270-7	S-7	Total/NA	Solid	SM 9221E	
550-236270-8	S-8	Total/NA	Solid	SM 9221E	
550-236270-9	S-9	Total/NA	Solid	SM 9221E	
550-236270-10	S-10	Total/NA	Solid	SM 9221E	
550-236270-11	S-11	Total/NA	Solid	SM 9221E	
550-236270-1 DU	S-1	Total/NA	Solid	SM 9221E	

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Client Sample ID: S-1
Date Collected: 09/17/25 10:08
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-2
Date Collected: 09/17/25 10:30
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-3
Date Collected: 09/17/25 09:42
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-4
Date Collected: 09/17/25 11:17
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-5
Date Collected: 09/17/25 09:21
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-6
Date Collected: 09/17/25 11:45
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-7
Date Collected: 09/17/25 09:00
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Client Sample ID: S-8
Date Collected: 09/17/25 08:42
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-9
Date Collected: 09/17/25 08:20
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-10
Date Collected: 09/17/25 07:45
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

Client Sample ID: S-11
Date Collected: 09/17/25 12:00
Date Received: 09/18/25 14:50

Lab Sample ID: 550-236270-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 9221E		1	338721	AKS	EET PHX	10/14/25 17:50 - 10/17/25 15:30 [1]

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Laboratory: Eurofins Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0728	06-10-26

Method Summary

Client: Ninyo & Moore
Project/Site: 609020002

Job ID: 550-236270-1
SDG: Sedona, AZ

Method	Method Description	Protocol	Laboratory
SM 9221E	Coliforms, Fecal (Multiple-Tube Fermentation)	SM	EET PHX

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

236270

Chain of Custody Record

eurofins | Environment Testing America

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite 189
Phoenix, AZ 85040-4807
phone 602.437.3340

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Amie Town	Site Contact:	Date:	COC No:
Company Name: Ninyo & Moore	Email: atown@ninyoandmoore.com	Lab Contact:	Carrier:	____ of ____ COCs
Address: 3202 E Harbour Drive	Tel/Fax:			TALS Project #:
City/State/Zip: Phoenix, AZ 85034	**Analysis Turnaround Time**			Sampler: Duff Lavin
Phone: 520-703-3539	☐ CALENDAR DAYS ☒ WORKING DAYS			**For Lab Use Only:**
FAX	TAT if different from Below ____			Walk-in Client:
Project Name: 609020002	☐ 2 weeks			Lab Sampling:
Site: Sedona, AZ	☒ 1 week			
P O #	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	SM 9221-Fecal Coliform	Sample Specific Notes:
S-1	9/17/25	10:08	Grab	Soil	1				
S-2		10:30							
S-3		9:42							
S-4		11:17							
S-5		9:21							
S-6		11:45							
S-7		9:00							
S-8		8:42							
S-9		8:20							
S-10		7:45							
S-11	↓	12:00	↓	↓	↓				

550-236270 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

TH295 / 11.4°C / ice / COC

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____		Therm ID No.: ____
Relinquished by:	Company: Ninyo & Moore	Date/Time: 9/17/25 1450	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: ALS	Company: ~~EETA PHX~~	Date/Time: 9/17/25 1450

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 550-236270-1
SDG Number: Sedona, AZ

Login Number: 236270
List Number: 1
Creator: Robles, Kemberly

List Source: Eurofins Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

CA: 3002 Dow Ave Ste 532, Tustin, CA, 92780
(714)832-0064

AZ: 4620 E. Elwood St Ste 4, Phoenix, AZ, 85040
(480)736-0960

LABORATORY REPORT FORM

ALLIANCE TECHNICAL GROUP, LLC

4620 East Elwood Street, Suite 4 Phoenix, AZ
85040

(480) 736-0960

Laboratory Certification (ELAP) No.:AZ0558, AZ0646
Expiration Date: 2025

Laboratory Director's Name:
Chris Tisserat

Client:	Ninyo & Moore
Laboratory Reference:	NAM OCAQ2518
Project Name:	
Project Number:	609020002
Date Received:	9/17/2025
Date Reported:	9/30/2025
Chain of Custody Received:	☑
Analytical Method:	8081B, 6010D, 7471B, 9045D, 9014,

Chris Tisserat, Laboratory Director

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Rev1.0

Ms. Amie Town
Ninyo & Moore
3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by ATG at 3.0ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Ms. Amie Town
Ninyo & Moore
3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-1	OCAQ2518-01	9/17/2025	9/17/2025	Soil
S-2	OCAQ2518-02	9/17/2025	9/17/2025	Soil
S-3	OCAQ2518-03	9/17/2025	9/17/2025	Soil
S-4	OCAQ2518-04	9/17/2025	9/17/2025	Soil
S-5	OCAQ2518-05	9/17/2025	9/17/2025	Soil
S-6	OCAQ2518-06	9/17/2025	9/17/2025	Soil
S-7	OCAQ2518-07	9/17/2025	9/17/2025	Soil
S-8	OCAQ2518-08	9/17/2025	9/17/2025	Soil
S-9	OCAQ2518-09	9/17/2025	9/17/2025	Soil
S-10	OCAQ2518-10	9/17/2025	9/17/2025	Soil
S-11	OCAQ2518-11	9/17/2025	9/17/2025	Soil

Ms. Amie Town
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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBPM0918251			9/18/2025 13:30	9/19/2025 10:21	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	87

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: None

Ms. Amie Town
Ninyo & Moore
3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-1	OCAQ2518-01	9/17/2025 15:07	9/17/2025 10:08	9/18/2025 13:30	9/19/2025 13:34	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	77

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

Ms. Amie Town
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3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-2	OCAQ2518-02	9/17/2025 15:07	9/17/2025 10:30	9/18/2025 13:30	9/19/2025 13:49	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	76

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

Ms. Amie Town
Ninyo & Moore
3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-3	OCAQ2518-03	9/17/2025 15:07	9/17/2025 9:42	9/18/2025 13:30	9/19/2025 14:03	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	54

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

Ms. Amie Town
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3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-4	OCAQ2518-04	9/17/2025 15:07	9/17/2025 11:17	9/18/2025 13:30	9/19/2025 14:18	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	75

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

Ms. Amie Town
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3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-5	OCAQ2518-05	9/17/2025 15:07	9/17/2025 9:22	9/18/2025 13:30	9/19/2025 14:33	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	67

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

Ms. Amie Town
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3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-6	OCAQ2518-06	9/17/2025 15:07	9/17/2025 11:45	9/18/2025 13:30	9/19/2025 14:47	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	67

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

Ms. Amie Town
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3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-7	OCAQ2518-07	9/17/2025 15:07	9/17/2025 9:00	9/18/2025 13:30	9/19/2025 15:02	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	63

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-8	OCAQ2518-08	9/17/2025 15:07	9/17/2025 8:42	9/18/2025 13:30	9/19/2025 15:17	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	48

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-9	OCAQ2518-09	9/17/2025 15:07	9/17/2025	9/18/2025 13:30	9/19/2025 15:31	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	65

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-10	OCAQ2518-10	9/17/2025 15:07	9/17/2025 7:45	9/18/2025 13:30	9/19/2025 15:46	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	66

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Organochlorine Pesticides (EPA 8081B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-11	OCAQ2518-11	9/17/2025 15:07	9/17/2025	9/18/2025 13:30	9/19/2025 16:01	Soil

ANALYTE	CAS #	mg/kg
Aldrin	309-00-2	<0.0020
alpha-BHC	319-84-6	<0.0050
beta-BHC	319-85-7	<0.0050
gamma-BHC (Lindane)	58-89-9	<0.0050
delta-BHC	319-86-8	<0.010
Chlordane	57-74-9	<0.030
4,4'-DDD	72-54-8	<0.010
4,4'-DDE	72-55-9	<0.0050
4,4'-DDT	50-29-3	<0.010
Dieldrin	60-57-1	<0.0020
Endosulfan I	959-98-8	<0.010
Endosulfan II	33213-65-9	<0.0050
Endosulfan sulfate	1031-07-8	<0.010
Endrin	72-20-8	<0.010
Endrin aldehyde	7421-93-4	<0.010
Endrin ketone	53494-70-5	<0.0050
Heptachlor	76-44-8	<0.0020
Heptachlor epoxide	1024-57-3	<0.0050
Methoxychlor	72-43-5	<0.010
Toxaphene	8001-35-2	<0.040

Surrogate:	% RC*
Decachlorobiphenyl	51

* Acceptable Recovery: 19-145 %

Dilution Factor: 1

Data Qualifiers: V9,

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Inorganics

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBDS0922251	Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

S-1			OCAQ2518-01	9/17/2025 15:07	9/17/2025 10:08	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.6	@ 22.4°C	09/17/25 16:13	09/17/25 17:33	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

S-2			OCAQ2518-02	9/17/2025 15:07	9/17/2025 10:30	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.4	@ 22.8°C	09/17/25 16:13	09/17/25 17:35	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

S-3			OCAQ2518-03	9/17/2025 15:07	9/17/2025 9:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.5	@ 22.7°C	09/17/25 16:13	09/17/25 17:36	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

S-4			OCAQ2518-04	9/17/2025 15:07	9/17/2025 11:17	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.4	@ 22.9°C	09/17/25 16:13	09/17/25 17:38	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
S-5	OCAQ2518-05	9/17/2025	15:07	9/17/2025	9:22	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.7	@ 22.6°C	09/17/25 16:13	09/17/25 17:39	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
S-6	OCAQ2518-06	9/17/2025	15:07	9/17/2025	11:45	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.8	@ 22.7°C	09/17/25 16:13	09/17/25 17:42	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
S-7	OCAQ2518-07	9/17/2025	15:07	9/17/2025	9:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.6	@ 22.4°C	09/17/25 16:13	09/17/25 17:51	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
S-8	OCAQ2518-08	9/17/2025	15:07	9/17/2025	8:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.5	@ 22.3°C	09/17/25 16:13	09/17/25 17:54	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
S-9	OCAQ2518-09	9/17/2025	15:07	9/17/2025		Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.3	@ 22.3°C	09/17/25 16:13	09/17/25 17:56	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
S-10	OCAQ2518-10	9/17/2025	15:07	9/17/2025	7:45	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.5	@ 22.4°C	09/17/25 16:13	09/17/25 17:58	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
S-11	OCAQ2518-11	9/17/2025	15:07	9/17/2025		Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Corrosivity (pH)	9045D	8.2	@ 22.1°C	09/17/25 16:13	09/17/25 18:00	--	1
Cyanide, Total	9014	<1.0	mg/kg	09/22/25 12:00	09/24/25 11:53	--	1

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBJH0918252	Antimony	6010D	<2.0	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Arsenic	6010D	<2.0	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Beryllium	6010D	<0.50	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Cadmium	6010D	<0.50	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Chromium	6010D	<0.50	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Copper	6010D	<5.0	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Lead	6010D	<0.80	mg/kg	09/18/25 11:30	09/18/25 17:59	--	1
MBIR0922253	Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:23	--	1
MBJH0918252	Nickel	6010D	<1.0	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Selenium	6010D	<4.8	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Silver	6010D	<0.50	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Thallium	6010D	<2.0	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1
MBJH0918252	Zinc	6010D	<5.0	mg/kg	09/18/25 11:30	09/18/25 17:07	--	1

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Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-1	OCAQ2518-01	9/17/2025 15:07	9/17/2025 10:08	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed		Qual	DF
Antimony	6010D	<4.0	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Arsenic	6010D	5.5	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Beryllium	6010D	<1.0	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Cadmium	6010D	<1.0	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Chromium	6010D	19	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Copper	6010D	10	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Lead	6010D	2.4	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:32		--	1
Nickel	6010D	14	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Selenium	6010D	<9.6	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Silver	6010D	<1.0	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Thallium	6010D	<4.0	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2
Zinc	6010D	20	mg/kg	09/18/25 17:00	09/22/25 17:08	D1,		2

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-2	OCAQ2518-02	9/17/2025 15:07	9/17/2025 10:30	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Arsenic	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Beryllium	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Cadmium	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Chromium	6010D	26	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Copper	6010D	<15	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Lead	6010D	<2.4	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:40	--	1
Nickel	6010D	20	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Selenium	6010D	<14	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Silver	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Thallium	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3
Zinc	6010D	28	mg/kg	09/18/25 17:00	09/22/25 17:12	D1,	3

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Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-3	OCAQ2518-03	9/17/2025 15:07	9/17/2025 9:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<12	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Arsenic	6010D	13	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Beryllium	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Cadmium	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Chromium	6010D	26	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Copper	6010D	<30	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Lead	6010D	<4.8	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:42	--	1
Nickel	6010D	19	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Selenium	6010D	<29	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Silver	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Thallium	6010D	<12	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6
Zinc	6010D	<30	mg/kg	09/18/25 17:00	09/22/25 17:21	D1,	6

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-4	OCAQ2518-04	9/17/2025 15:07	9/17/2025 11:17	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Arsenic	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Beryllium	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Cadmium	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Chromium	6010D	18	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Copper	6010D	<15	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Lead	6010D	<2.4	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:44	--	1
Nickel	6010D	15	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Selenium	6010D	<14	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Silver	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Thallium	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3
Zinc	6010D	18	mg/kg	09/18/25 17:00	09/22/25 17:24	D1,	3

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-5	OCAQ2518-05	9/17/2025 15:07	9/17/2025 9:22	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Arsenic	6010D	15	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Beryllium	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Cadmium	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Chromium	6010D	33	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Copper	6010D	17	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Lead	6010D	2.7	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:49	--	1
Nickel	6010D	27	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Selenium	6010D	<14	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Silver	6010D	<1.5	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Thallium	6010D	<6.0	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3
Zinc	6010D	38	mg/kg	09/18/25 17:00	09/22/25 17:28	D1,	3

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-6	OCAQ2518-06	9/17/2025 15:07	9/17/2025 11:45	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<8.0	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Arsenic	6010D	<8.0	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Beryllium	6010D	<2.0	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Cadmium	6010D	<2.0	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Chromium	6010D	20	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Copper	6010D	<20	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Lead	6010D	<3.2	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:51	--	1
Nickel	6010D	16	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Selenium	6010D	<19	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Silver	6010D	<2.0	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Thallium	6010D	<8.0	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4
Zinc	6010D	<20	mg/kg	09/18/25 17:00	09/22/25 17:31	D1,	4

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-7	OCAQ2518-07	9/17/2025 15:07	9/17/2025 9:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed		Qual	DF
Antimony	6010D	<10	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Arsenic	6010D	<10	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Beryllium	6010D	<2.5	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Cadmium	6010D	<2.5	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Chromium	6010D	12	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Copper	6010D	<25	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Lead	6010D	<4.0	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:53		--	1
Nickel	6010D	14	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Selenium	6010D	<24	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Silver	6010D	<2.5	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Thallium	6010D	<10	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5
Zinc	6010D	<25	mg/kg	09/18/25 17:00	09/22/25 17:35	D1,		5

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-8	OCAQ2518-08	9/17/2025 15:07	9/17/2025 8:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<12	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Arsenic	6010D	36	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Beryllium	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Cadmium	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Chromium	6010D	43	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Copper	6010D	<30	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Lead	6010D	<4.8	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:54	--	1
Nickel	6010D	27	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Selenium	6010D	<29	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Silver	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Thallium	6010D	<12	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6
Zinc	6010D	<30	mg/kg	09/18/25 17:00	09/22/25 17:39	D1,	6

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-9	OCAQ2518-09	9/17/2025 15:07	9/17/2025	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual		DF
Antimony	6010D	<10	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Arsenic	6010D	<10	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Beryllium	6010D	<2.5	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Cadmium	6010D	<2.5	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Chromium	6010D	32	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Copper	6010D	<25	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Lead	6010D	<4.0	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:56		--	1
Nickel	6010D	24	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Selenium	6010D	<24	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Silver	6010D	<2.5	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Thallium	6010D	<10	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5
Zinc	6010D	25	mg/kg	09/18/25 17:00	09/22/25 17:44	D1,		5

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-10	OCAQ2518-10	9/17/2025 15:07	9/17/2025 7:45	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<12	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Arsenic	6010D	13	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Beryllium	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Cadmium	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Chromium	6010D	49	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Copper	6010D	<30	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Lead	6010D	<4.8	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 11:58	--	1
Nickel	6010D	36	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Selenium	6010D	<29	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Silver	6010D	<3.0	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Thallium	6010D	<12	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6
Zinc	6010D	33	mg/kg	09/18/25 17:00	09/22/25 17:47	D1,	6

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Lab Reference #: NAM OCAQ2518
Project Name:
Project #: 609020002

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-11	OCAQ2518-11	9/17/2025 15:07	9/17/2025	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010D	<4.0	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Arsenic	6010D	5.8	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Beryllium	6010D	1.1	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Cadmium	6010D	<1.0	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Chromium	6010D	82	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Copper	6010D	45	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Lead	6010D	11	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Mercury	7471B	<0.10	mg/kg	09/22/25 15:00	09/23/25 12:00	--	1
Nickel	6010D	120	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Selenium	6010D	<9.6	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Silver	6010D	<1.0	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Thallium	6010D	<4.0	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2
Zinc	6010D	68	mg/kg	09/18/25 17:00	09/22/25 17:50	D1,	2

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QA/QC Report
for
Organochlorine Pesticides (EPA 8081B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/18/2025 13:30
Date of Analysis: 9/19/2025 11:04
Dup Date of Analysis: 9/19/2025 11:19
Laboratory Sample #: OCAQ2518-01
MS/MSD Qualifiers: None
Reference #: NAM OCAQ2518

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Aldrin	0.00	10.0	8.42	6.91	84	69	20	24-130	30	--
alpha-BHC	0.00	10.0	7.00	6.68	70	67	5	26-130	32	--
beta-BHC	0.00	10.0	8.04	7.86	80	79	2	32-130	34	--
gamma-BHC (Lindane)	0.00	10.0	7.06	6.66	71	67	6	29-130	29	--
4,4'-DDD	0.00	10.0	7.19	6.91	72	69	4	38-130	22	--
4,4'-DDE	0.00	10.0	7.43	6.38	74	64	15	39-130	32	--
4,4'-DDT	0.00	10.0	8.07	7.51	81	75	7	34-130	28	--
delta-BHC	0.00	10.0	7.92	7.37	79	74	7	35-130	30	--
Dieldrin	0.00	10.0	7.61	6.79	76	68	11	40-130	28	--
Endosulfan I	0.00	10.0	6.37	5.79	64	58	10	30-130	33	--
Endosulfan II	0.00	10.0	7.48	6.42	75	64	15	27-130	31	--
Endosulfan sulfate	0.00	10.0	8.00	7.01	80	70	13	D-130	50	--
Endrin	0.00	10.0	8.93	8.23	89	82	8	40-130	29	--
Endrin Aldehyde	0.00	10.0	7.38	6.33	74	63	15	D-130	50	--
Endrin ketone	0.00	10.0	8.06	7.45	81	75	8	2-130	44	--
Heptachlor	0.00	10.0	8.36	7.48	84	75	11	25-130	26	--
Heptachlor epoxide	0.00	10.0	8.93	8.06	89	81	10	32-130	35	--
Methoxychlor	0.00	10.0	9.55	9.16	96	92	4	21-130	47	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	77	69	☐

LCS	LCSD	Qual
85	89	☐

ACP % RC
19-145

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 9/18/2025 13:30
Date of Analysis: 9/19/2025 10:35
Dup Date of Analysis: 9/19/2025 10:50
Laboratory Sample #: PM0918251
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Aldrin	10.0	9.74	9.37	97	94	4	4-130	30	--
alpha-BHC	10.0	9.61	9.20	96	92	4	11-130	26	--
beta-BHC	10.0	9.55	9.00	96	90	6	16-130	25	--
gamma-BHC (Lindane)	10.0	10.0	9.50	100	95	5	23-130	25	--
4,4'-DDD	10.0	8.92	8.62	89	86	3	47-130	24	--
4,4'-DDE	10.0	9.68	9.54	97	95	1	26-132	20	--

QA/QC Report
for
Organochlorine Pesticides (EPA 8081B)

Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
4,4'-DDT	10.0	9.69	9.04	97	90	7	46-130	20	--
delta-BHC	10.0	9.96	9.76	100	98	2	23-130	27	--
Dieldrin	10.0	9.45	9.53	94	95	1	28-130	25	--
Endosulfan I	10.0	9.41	8.97	94	90	5	15-130	25	--
Endosulfan II	10.0	9.00	8.67	90	87	4	29-130	31	--
Endosulfan sulfate	10.0	9.38	9.34	94	93	0	D-140	29	--
Endrin	10.0	9.62	9.05	96	91	6	28-130	22	--
Endrin Aldehyde	10.0	7.71	7.08	77	71	9	D-130	27	--
Endrin ketone	10.0	8.95	8.93	89	89	0	18-130	24	--
Heptachlor	10.0	10.1	9.80	101	98	3	5-130	27	--
Heptachlor epoxide	10.0	9.92	9.44	99	94	5	12-130	25	--
Methoxychlor	10.0	10.8	10.8	108	108	0	23-132	29	--

QA/QC Report
for Inorganics

Reference #: NAM OCAQ2518 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Cyanide, Total	9/22/2025 12:00	9/24/2025 11:53	9/24/2025 11:53	OCAQ2518-01	0.00	5.00	5.07	5.15	101	103	2	34-135	24	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Cyanide, Total	9/22/2025 12:00	9/24/2025 11:53	9/24/2025 11:53	DS0922251	5.00	5.32	4.96	106	99	7	80-120	20	--

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QA/QC Report
for
Metals

Reference #: NAM OCAQ2518 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010D/7471B**

Laboratory Sample #: OCAQ2515-01 **Date of Extraction:** 09/18/25 11:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	09/18/25 17:20	09/18/25 17:24	0.00	20.0	2.72	2.53	14	13	7	75-125	20	M2,
Arsenic	09/18/25 17:20	09/18/25 17:24	0.00	20.0	18.4	17.9	92	89	3	75-125	20	--
Beryllium	09/18/25 17:20	09/18/25 17:24	0.00	20.0	17.5	17.9	88	89	2	75-125	20	--
Cadmium	09/18/25 17:20	09/18/25 17:24	0.00	20.0	16.4	16.8	82	84	2	75-125	20	--
Chromium	09/18/25 17:20	09/18/25 17:24	19.0	20.0	32.9	34.2	70	76	4	75-125	20	M2,
Copper	09/18/25 17:20	09/18/25 17:24	21.0	20.0	43.0	39.9	110	95	7	75-125	20	--
Lead	09/18/25 17:20	09/18/25 17:24	3.70	20.0	19.3	19.8	78	80	3	75-125	20	--
Nickel	09/18/25 17:20	09/18/25 17:24	34.0	20.0	52.6	51.0	93	85	3	75-125	20	--
Selenium	09/18/25 17:20	09/18/25 17:24	0.00	20.0	16.1	15.1	81	76	6	75-125	20	--
Silver	09/18/25 17:20	09/18/25 17:24	0.00	20.0	18.6	19.2	93	96	3	75-125	20	--
Thallium	09/18/25 17:20	09/18/25 17:24	0.00	20.0	12.9	9.81	64	49	27	75-125	20	M3,
Zinc	09/18/25 17:20	09/18/25 17:24	33.0	20.0	48.8	50.4	79	87	3	75-125	20	M3,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010D/7471B**

Laboratory Sample #: JH0918252 **Date of Extraction:** 09/18/25 11:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	09/18/25 17:13	09/18/25 17:16	--	20.0	18.5	19.2	93	96	4	80-120	20	--
Arsenic	09/18/25 17:13	09/18/25 17:16	--	20.0	18.6	18.6	93	93	0	80-120	20	--
Beryllium	09/18/25 17:13	09/18/25 17:16	--	20.0	17.8	17.9	89	89	1	80-120	20	--
Cadmium	09/18/25 17:13	09/18/25 17:16	--	20.0	17.8	17.9	89	89	1	80-120	20	--
Chromium	09/18/25 17:13	09/18/25 17:16	--	20.0	18.2	18.3	91	91	1	80-120	20	--
Copper	09/18/25 17:13	09/18/25 17:16	--	20.0	18.9	18.9	94	94	0	80-120	20	--
Lead	09/18/25 17:13	09/18/25 17:16	--	20.0	19.6	19.8	98	99	1	80-120	20	--
Nickel	09/18/25 17:13	09/18/25 17:16	--	20.0	18.8	18.9	94	94	1	80-120	20	--
Selenium	09/18/25 17:13	09/18/25 17:16	--	20.0	19.3	17.8	96	89	8	80-120	20	--
Silver	09/18/25 17:13	09/18/25 17:16	--	20.0	19.7	19.7	99	99	0	80-120	20	--
Thallium	09/18/25 17:13	09/18/25 17:16	--	20.0	19.3	18.7	96	94	3	80-120	20	--
Zinc	09/18/25 17:13	09/18/25 17:16	--	20.0	20.1	19.5	101	98	3	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010D/7471B**

Laboratory Sample #: OCAQ2518-01 **Date of Extraction:** 09/22/25 15:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	09/23/25 11:34	09/23/25 11:35	0.00	1.00	0.867	0.906	87	91	4	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010D/7471B**

Laboratory Sample #: IR0922253 **Date of Extraction:** 09/22/25 15:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	09/23/25 11:28	09/23/25 11:30	--	1.00	0.863	0.882	86	88	2	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

OCAQ2515-01	6010D	Antimony	MS/MSD
OCAQ2515-01	6010D	Chromium	MS

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

OCAQ2515-01	6010D	Thallium	MS/MSD
OCAQ2515-01	6010D	Zinc	MS/MSD

V9 = CCV recovery was below method acceptance limits.

OCAQ2518-01	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-02	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-03	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-04	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-05	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-06	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-07	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-08	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-09	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-10	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.
OCAQ2518-11	8081B	Closing CCV failed low due to matrix, confirmed by reanalyzing the analytical batch.

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

Alliance TECHNICAL GROUP
3002 Dow Ave Ste 532, Tustin, CA 92780
(714)-832-0064
4620 East Elwood Street, Suite 4, Phoenix, AZ 85040
(480) 736-0960

Lab Job No.: OCAQ2518 Page: 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	
Send Report To:	Amie Town	Project Number:	609020002
Email:	atown@ninyoandmoore.com	PO #:	
Address:	3202 E Harbour Dr	Address (City / State):	Sedona, AZ
	Phoenix, AZ 85034	EDD Required:	
Phone:	(602) 243-1600 Fax:	Sampled By:	J. Anderson / A. Town

Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	pH EPA 9045	Cyanide EPA 9014	PP 13 Metals EPA 6010/7471	OC Pesticides EPA 8081	Nitrate EPA 300.0	Nitrite EPA 300.0	REMARKS / INSTRUCTIONS
S-1	1	9/17/25	1008	SS	Jar	X	X	X	X			Hold Nitrate/Nitrite (S1 Pending results
S-2			1030									
S-3			942									
S-4			1117									
S-5			922									
S-6			1145									
S-7			900									
S-8			842									
S-9												
S-10			745									
S-11												

REQUESTED TURN-AROUND-TIME
Standard:
3 Day:
2 Day:
1 Day:

No. of Samples: 11 Method of Shipment: Drop-off

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Jennifer Adams	Date: 9/17/25 Time: 1507	Received By: Jana Jowell	Date: 9/17/25 Time: 1507
Company:		Company: OCAAZ	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By:	Date: Time:
Company:		Company:	

Sample Matrix:
GW - Groundwater
WW - Wastewater
SW - Stormwater
DW - Drinking Water
AQ - Aqueous
SS - Soil / Solid
OT - Other

Sample Integrity: On Ice: (Yes) No
Therm. ID: 12 Observed Temp.: 2.6 °C
Correction Factor: +0.4 °C
Intact: (Yes) No Temperature: 3.0 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

CA: 3002 Dow Ave Ste 532, Tustin, CA, 92780
(714)832-0064

AZ: 4620 E. Elwood St Ste 4, Phoenix, AZ, 85040
(480)736-0960

LABORATORY REPORT FORM

ALLIANCE TECHNICAL GROUP, LLC

4620 East Elwood Street, Suite 4 Phoenix, AZ
85040

(480) 736-0960

Laboratory Certification (ELAP) No.:AZ0558, AZ0646
Expiration Date: 2025

Laboratory Director's Name:
Chris Tisserat

Client:	Ninyo & Moore
Laboratory Reference:	NAM OCAQ2518A
Project Name:	
Project Number:	609020002
Date Received:	9/30/2025
Date Reported:	10/7/2025
Chain of Custody Received:	☑
Analytical Method:	7196A,

Chris Tisserat, Laboratory Director

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Ms. Amie Town
Ninyo & Moore
3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference # NAM OCAQ2518A
Project Name:
Project #: 609020002

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by ATG at 3.0ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Ms. Amie Town
Ninyo & Moore
3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference # NAM OCAQ2518A
Project Name:
Project #: 609020002

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-5	OCAQ2518-05	9/17/2025	9/17/2025	Soil
S-8	OCAQ2518-08	9/17/2025	9/17/2025	Soil
S-9	OCAQ2518-09	9/17/2025	9/17/2025	Soil
S-10	OCAQ2518-10	9/17/2025	9/17/2025	Soil
S-11	OCAQ2518-11	9/17/2025	9/17/2025	Soil

Ms. Amie Town
Ninyo & Moore
3202 E. Harbour Dr
Phoenix, AZ, 85034

Lab Reference # NAM OCAQ2518A
Project Name:
Project #: 609020002

Inorganics

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBDS1006256	Chromium(VI)	7196A	<1.0	mg/kg	10/06/25 11:52	10/07/25 11:30	--	1

S-5			OCAQ2518-05	9/17/2025	15:07	9/17/2025	9:22	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Chromium(VI)	7196A	<1.0	mg/kg	10/06/25 11:52	10/07/25 11:30	--	1

S-8			OCAQ2518-08	9/17/2025	15:07	9/17/2025	8:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Chromium(VI)	7196A	<1.0	mg/kg	10/06/25 11:52	10/07/25 11:30	--	1

S-9			OCAQ2518-09	9/17/2025	15:07	9/17/2025		Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Chromium(VI)	7196A	<1.0	mg/kg	10/06/25 11:52	10/07/25 11:30	--	1

S-10			OCAQ2518-10	9/17/2025	15:07	9/17/2025	7:45	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Chromium(VI)	7196A	<1.0	mg/kg	10/06/25 11:52	10/07/25 11:30	--	1

S-11			OCAQ2518-11	9/17/2025	15:07	9/17/2025		Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Chromium(VI)	7196A	<1.0	mg/kg	10/06/25 11:52	10/07/25 11:30	--	1

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QA/QC Report
for Inorganics

Reference #: NAM OCAQ2518A Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Chromium(VI)	10/6/2025 11:52	10/7/2025 11:30	10/7/2025 11:30	OCAQ2518-05	0.00	20.0	14.0	15.0	70	75	7	75-125	20	M2,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Chromium(VI)	10/6/2025 11:52	10/7/2025 11:30	10/7/2025 11:30	DS1006256	20.0	18.1	17.8	91	89	2	80-120	20	--

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Data Qualifier Definitions

Qualifier

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

OCAQ2518-05	7196A	Chromium(VI)	MS

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
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D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

Alliance TECHNICAL GROUP

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(480) 736-0960

Lab Job No.: OCAQ2518 Page: 1 of 1

CUSTOMER INFORMATION			PROJECT INFORMATION	
Company:	Ninyo & Moore		Project Name:	
Send Report To:	Amie Town		Project Number:	609020002
Email:	atown@ninyoandmoore.com		PO #:	
Address:	3202 E Harbour Dr		Address (City / State):	Sedona, AZ
	Phoenix, AZ 85034		EDD Required:	
Phone:	(602) 243-1600	Fax:	Sampled By:	J. Anderson / A. Town

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard:
3 Day:
2 Day:
1 Day:

Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	pH EPA 9045	Cyanide EPA 9014	PP 13 Metals EPA 6010/7471	OC Pesticides EPA 8081	Nitrate EPA 300.0	Nitrite EPA 300.0	REMARKS / INSTRUCTIONS
S-1	1	9/17/25	1008	SS	Jar	X	X	X	X			Hold Nitrate/Nitrite (S1 Pending results
S-2			1030									
S-3			942									
S-4			1117									
S-5			922									
S-6			1145									
S-7			900									
S-8			842									
S-9												
S-10			745									
S-11												

No. of Samples: 11 Method of Shipment: Drop-off

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Jennifer Ladus	Date: 9/17/25 Time: 1507	Received By: Jana Jowell	Date: 9/17/25 Time: 1507
Company:		Company: OCAAZ	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By:	Date: Time:
Company:		Company:	

Sample Matrix:
GW - Groundwater
WW - Wastewater
SW - Stormwater
DW - Drinking Water
AQ - Aqueous
SS - Soil / Solid
OT - Other

Sample Integrity: On Ice: (Yes) No
Therm. ID: 12 Observed Temp.: 2.6 °C
Correction Factor: +0.4 °C
Intact: (Yes) No Temperature: 3.0 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

3202 East Harbour Drive | Phoenix, Arizona 85034 | p. 602.243.1600

ninyoandmoore.com

Phase I Environmental Site Assessment

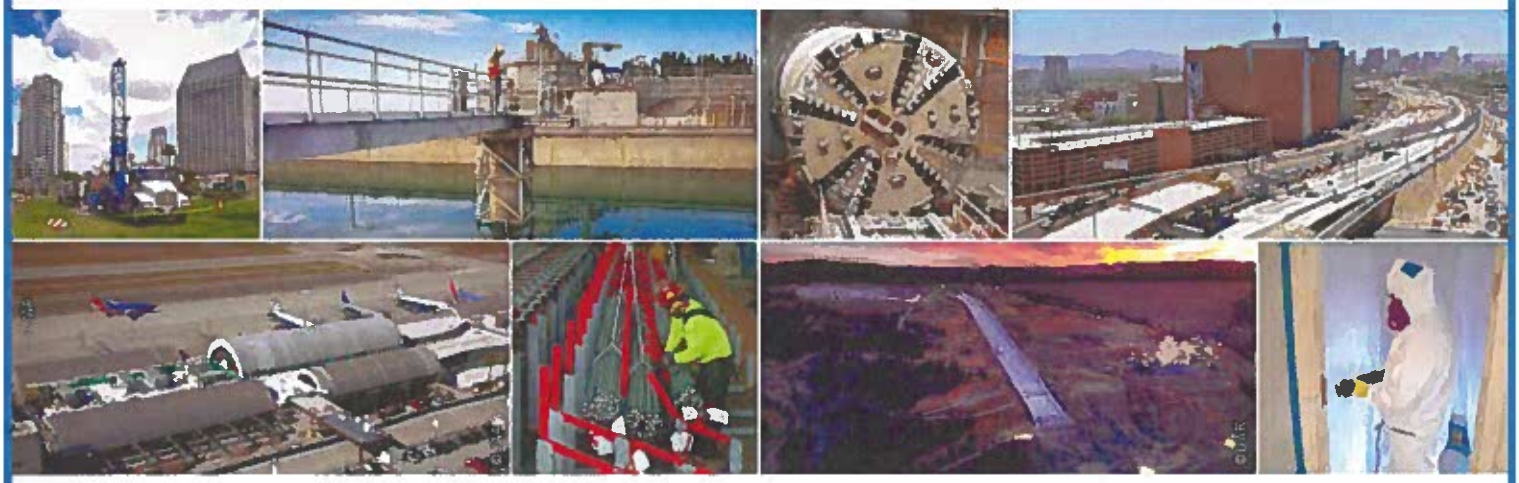
200 Acres of Land
State Route 89A and Forest Service Road 89B

Sedona, Arizona

City of Sedona

102 Roadrunner Drive | Sedona, Arizona 86336

November 20, 2025 | Project No. 609020002



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Phase I Environmental Site Assessment

200 Acres of Land
State Route 89A and Forest Service Road 89B
Sedona, Arizona

Ms. Roxanne Holland
City of Sedona
102 Roadrunner Drive | Sedona, Arizona 86336

November 20, 2025 | Project No. 609020002

Amie Town
Project Environmental Scientist

Christian D. Lewallen
Senior Geologist, RG

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EXECUTIVE SUMMARY

Ninyo & Moore was retained by the City of Sedona to perform a Phase I Environmental Site Assessment (ESA) on the approximately 200 acres of land located at State Route 89A and Forest Service Road 89B, Sedona, Yavapai County, Arizona (the Site)and is identified by Yavapai County Assessor's Parcel Numbers (APNs) 408-21-463D and 408-21-463F.

The objective of this Phase I ESA is to identify, to the extent feasible pursuant to the process described in ASTM International (ASTM) Practice E1527-21, recognized environmental conditions (RECs), which are defined by ASTM as "the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."

The results of this Phase I ESA are detailed below:

- Historical research revealed that the Site was undeveloped vacant land from at least 1923 until approximately 1993 when the Sedona Wastewater Reclamation Plant was constructed to the northwest of the Site and Class B+ effluent from the Reclamation Plant was irrigated on the Site utilizing an above ground piping irrigation and sprinkler system. Due to the effluent irrigating, the Site's vegetation growth began to increase and become more dense. The Class B+ effluent was irrigated on the Site from 1993 until 2012 when the Class B+ effluent was changed to a Class A+ effluent. The Site had remained relatively unchanged from 2012 to the time of the Site reconnaissance.
- On September 17, 2025, Ms. Amie Town and Ms. Jennifer Anderson, both with Ninyo & Moore, conducted a Site reconnaissance that included a visual inspection of the Site, and observations of adjoining properties. At the time of the Site reconnaissance, the Site was irrigated by Class A+ effluent from the northwestern-adjoining Sedona Wastewater Reclamation Plant utilizing an above ground piping irrigation and sprinkler system. Areas of dense vegetation and grazing livestock were observed and the Site was bound by barbed wire fencing and vehicle gates. The adjoining properties were observed as predominantly vacant high desert land. A gravel road and a water pump house associated with the City of Sedona's groundwater and injection wells and effluent irrigation was observed to the north and the Wastewater Reclamation Plant infrastructure was observed beyond Highway 89A to the north and northwest.
- The City of Sedona provides potable water to the Site vicinity.
- Yavapai County provides municipal sewer service to the surrounding areas.
- Two City of Sedona-owned groundwater monitoring wells were observed on the Site including the point of compliance POC #1 (MW-4A) well (ADWR 55-587580) located on the southwestern corner of the Site and the POC #4 well (ADWR 55-921247) located on

the central-western boundary of the Site that were associated with the Site's Arizona Department of Environmental Quality (ADEQ) aquifer protection permit (APP). In addition, multiple City of Sedona water supply, injection wells, and piezometers were present on the adjoining properties. According to the City of Sedona-provided groundwater monitoring data from 2024 and 2025, the POC #4 well had a missed Total Dissolved Solids (TDS) sample that was collected on September 18, 2024 but was not analyzed by the laboratory. A subsequent TDS sample was collected on November 13, 2024 however no TDS limits where established for TDS at POC #4 under the APP. No other contaminates of concern associated with the groundwater wells were reported above water quality, regulatory standards, or established APP levels in the groundwater data for the on-Site monitoring wells provided by the City of Sedona.

- Ninyo & Moore did not observe hazardous substances or petroleum products used or stored on Site during our Site reconnaissance.
- Indications of aboveground storage tanks (ASTs), underground storage tanks (USTs), or hazardous material spills or leaks, were not observed during the Site reconnaissance.
- Review of an environmental database report obtained for this project indicated that the Site is not listed on the regulatory databases researched by Environmental Data Resources Inc. (EDR).
- One off-Site facility was located within the EDR search radius from the Site. The listed facility is not considered to be a REC based on several factors, including distance from the Site, location relative to the regional groundwater flow direction (e.g. hydraulically downgradient or crossgradient to the Site), database listing type, and/or affected media (soil only). Refer to Section 8.2 for additional information regarding potential off-Site facilities of concern.
- Based on the completion of the Vapor Encroachment Condition (VEC) screening matrix, it is presumed unlikely that a VEC currently exists beneath the Site.
- An environmental lien or activity and use limitations (AULs) search was not requested for this ESA.
- Ninyo & Moore reviewed the ADEQ online databases and did not identify Declaration of Environmental Use Restriction (DEUR) or a Voluntary Environmental Mitigation Use Restriction (VEMUR) or records of drywells, USTs, or leaking USTs for the Site.

CONCLUSIONS

Ninyo & Moore has performed this ESA in conformance with the scope and limitations of ASTM E1527-21 of 200 acres of land located in Sedona, Arizona. Based on the information compiled during the preparation of this report, this assessment has revealed no evidence of RECs, Historical RECs (HRECs), or Controlled RECs (CRECs) in connection with the Site, and no RECs were identified for the adjoining properties.

RECOMMENDATIONS

Based on the findings of this ESA, no further investigation is recommended at this time.

1. INTRODUCTION

Ninyo & Moore was retained by the City of Sedona to perform a Phase I Environmental Site Assessment (ESA) on the 200 acres of land located at State Rout 89A and Forest Service Road 89B, in Sedona, Yavapai County, Arizona (the Site).

1.1. Purpose

The objective of this ESA is to identify, to the extent feasible pursuant to the process described in ASTM E1527-21, *recognized environmental conditions* (RECs), which are defined by ASTM as "*(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.*" Identification of RECs fall into three categories: an existing REC (as defined above), a *Historical REC*, or a *Controlled REC*, as defined below. A *de minimis condition* is a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies, and is not a REC nor a CREC.

Historical Recognized Environmental Condition (HREC) — An HREC is defined as "a previous release of *hazardous substances* or *petroleum products* affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, *activity and use limitations* or *other property use limitations*). A *historical recognized environmental condition* is not a *recognized environmental condition*."

Controlled Recognized Environmental Condition (CREC) — A CREC is defined as a "*recognized environmental condition* affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with *hazardous substances* or *petroleum products* allowed to remain in place subject to implementation of required controls (for example, *activity and use limitations* or *other property use limitations*).

1.2. Involved Parties

Ms. Amie Town, Senior Environmental Scientist, and Ms. Jennifer Anderson, Senior Project Geologist, with Ninyo & Moore, conducted the Site reconnaissance, performed historical research, regulatory inquiries, and prepared this report. Mr. Chris Lewallen, Senior Geologist with Ninyo & Moore provided with Ninyo & Moore, provided project oversight and senior quality review for this report. Credentials of these individuals are included in Appendix A.

1.3. Scope of Work

Ninyo & Moore's scope of services for this ESA included the following:

- Performance of a Site reconnaissance to visually and/or physically observe the interior and exterior of structures and other features on the Site as well as visible exterior features of adjoining properties to identify areas of possibly contaminated surface soil or surface water, and possible risks of contamination from activities at the Site and adjoining properties.
- Review of reasonably ascertainable standard environmental record sources including federal, state, and tribal regulatory agency databases for the Site and for properties located within a specified radius of the Site. The purpose of this review was to evaluate possible environmental impacts to the Site and site vicinity activities. These databases list locations of known hazardous waste sites, landfills, leaking underground storage tanks (LUSTs), permitted facilities that utilize LUSTs, and facilities that use, store, or dispose of hazardous materials and/or petroleum products.
- Review of reasonably ascertainable additional environmental record sources including local records and/or additional state or tribal records for the Site and for properties located within a specified radius of the Site. The purpose of this review was to evaluate possible environmental impacts to the Site and Site vicinity activities. These databases list locations of known hazardous waste sites, solid waste landfills, registered storage tanks, emergency releases, contaminated public wells, and facilities that use, store, or dispose of hazardous materials and/or petroleum products.
- Review of reasonably ascertainable standard physical setting sources including a current United States Geological Survey (USGS) 7.5-minute topographic map, and possibly including USGS and/or state groundwater and geologic maps, and soil maps. The purpose of this review was to note information about the geologic, hydrologic, and/or topographic characteristics of the Site and Site vicinity.
- Review of reasonably ascertainable historical documents including aerial photographs, historical fire insurance rate maps, topographic maps, and city directories, as available. The purpose of this review was to review obvious uses of the Site from the present, back to the Site's first developed use, or back to 1940, whichever is earlier.
- Performance of interviews with present owners, operators, and occupants of the Site as well as other knowledgeable parties as appropriate. The purpose of these interviews is to obtain information regarding potential RECs in connection with the Site and adjoining properties.
- Perform a preliminary vapor encroachment screening assessment on the Site and adjoining properties.
- Preparation of this ESA report documenting methodology, reporting findings, significant data gaps, and conclusions, and providing opinions of the impact on the Site of conditions noted in the findings section regarding RECs.

1.4. Limitations and Exceptions

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

The findings, opinions, and conclusions are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a Site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control. Ninyo & Moore cannot warrant or guarantee that not finding indicators of any particular hazardous material means that this particular hazardous material or any other hazardous materials do not exist on the Site. Additional research, including invasive testing, can reduce the uncertainty, but no techniques now commonly employed can eliminate the uncertainty altogether.

1.5. Special Terms and Conditions

The following environmental issues or conditions at a property, as defined in Section 13 of ASTM E1527-21, are outside the scope of E1527-21 and represent Non-Scope Considerations and, therefore, were not addressed in this report: asbestos-containing building materials, biological agents, cultural and historical resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to releases of hazardous substances or petroleum products, industrial hygiene, lead-based paint unrelated to releases, lead in drinking water, microbial conditions (*mold*), PCB-containing materials, naturally-occurring radon, regulatory compliance, or substances not defined as hazardous substances. Ninyo & Moore conducted limited soil sampling at the Site for certain parameters including fecal coliform, metals, cyanide, corrosivity, and pesticides and was reported under separate cover.

1.6. User Reliance

This report may be relied upon by, and is intended exclusively for the City of Sedona . Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than the client is undertaken at said parties' sole risk.

1.7. Physical Limitations

Some areas of the Site were not accessible due to vegetation overgrowth which prevented some ground surface observations in these areas. No other physical limitations were encountered during the Site reconnaissance.

1.8. Data Gaps

A data gap is a lack of or inability to obtain data required by this practice despite good faith efforts to gather such data. In completing this ESA, Ninyo & Moore encountered the following data gaps:

- Previous Site owners were not readily available or interviewed for this ESA. Based on the overall findings of this ESA, Ninyo & Moore concluded interviews with these previous Site owner(s) would be unlikely to provide additional information material to identifying RECs.
- Some historical records, including historical aerial photographs, were not readily available for review in 5-year intervals and were limited or unavailable for the years prior to 1940. Based on information obtained from other sources, and the overall findings of this Phase I ESA, Ninyo & Moore concluded this data gap did not significantly impact Ninyo & Moore's ability to identify RECs associated with the Site or adjoining properties.

2. SUBJECT SITE

The following paragraphs describe the Site, the general Site setting, and observations made during the Site reconnaissance.

2.1 Site Description and Reconnaissance

At the time of the reconnaissance, the Site was an effluent irrigated, highly vegetated undeveloped property. The Site Location is presented on Figure 1, and the Site Plan with additional information concerning the Site and surrounding properties is presented on Figure 2.

2.2 General Site Setting

At the time of the reconnaissance, the Site was located south of Sedona on the east side of Highway 89A in a mostly rural undeveloped area of Sedona Arizona. According to the Yavapai County Assessor's web page, the Site is currently zoned as RS-70 which is designated Large Lot Single Family Residential with 70 being the minimum acreage of the lot.

2.2.1 Location

The Site is located at Milepost 362.4 east of Arizona State Highway 89A, south of Sedona in Yavapai County, Arizona.

2.2.2 Gross Site Area

According to information provided by Yavapai County Assessor's web page, the Site is comprised of two parcels that are approximately 192.27 acres in size.

2.2.3 Site Development

At the time of the Site reconnaissance, the Site was being utilized as irrigated vacant land for City of Sedona. Irrigation lines surrounded the Site perimeter and crossed the interior portion of the Site. Jeep trails surround the Site as well as barbed wire fencing.

Key on-Site observations are discussed in Section 2.3 below.

2.2.4 Roads

As shown on Figure 2, the Site is located to the east at Milepost 362.4 on HWY 89A and north of Angel Valley Road.

2.2.5 Building Description

At the time of the reconnaissance, no buildings were observed on the Site.

2.2.6 Source of Potable Water

No municipal water services were observed on the Site. Potable water is provided to the surrounding areas by the City of Sedona.

2.2.7 Sewage Disposal System

At the time of the reconnaissance, Ninyo & Moore did not observe evidence of septic systems or the remnants of historic or inactive septic systems on the Site.

2.2.8 Utilities

The following utilities are provided to the Site vicinity:

- Electricity: Arizona Public Service (APS)
- Natural Gas: Southwest Gas

2.3 Site Reconnaissance

On September 17, 2025, Ms. Amie Town, Project Environmental Scientist, and Ms. Jennifer Anderson, R.G., Senior Project Geologist, both with Ninyo & Moore, conducted a reconnaissance of the Site. The reconnaissance involved a visual inspection of the Site, and observations of adjoining properties. Details regarding observations made during the Site reconnaissance are summarized in the following table:

Site Reconnaissance Summary			
Feature	Observed at Site (Yes/No)	Comment	Environmental Concern
Buried Debris, Debris Piles, and/or Evidence of Dumping	No		
Controlled Substances Production	No		
Drains (other than sanitary waste drains such as sinks, showers, and toilets)	No		
Drums and Chemical Containers (capacity greater than 5 gallons)	No		
Drywells, Retention Basins, Stormwater Drains, or Other Stormwater Features	No		
Fill Material	No		

Feature	Observed at Site (Yes/No)	Comment	Environmental Concern
Generation, Storage, and/or Disposal of Hazardous Waste	No		
Heating and Cooling Systems	No		
High-Voltage Electrical Transmission Lines	No		
Interceptors and/or Separators	No		
Odors	No		
On-Site Records	No		
Other Improvements and Features	Yes	Aboveground irrigation lines and sprinklers were observed throughout the Site.	The Site has been irrigated with Class A+ effluent water from the northwest-adjoining water treatment facility over the last 20+ years.
Pits, Ponds, and/or Lagoons	No		
Pooled Liquids	Yes	Puddles of standing water from the irrigation sprinklers were observed throughout the Site.	No
Railroads/Airports	No		
Rivers/Washes	No		
Septic Systems	No		
Stained Surfaces	No		
Soil Stockpiles	No		
Sources of Polychlorinated Biphenyls (PCBs)	No		
Storage Tanks	No		
Stressed Vegetation	No		
Sumps and/or Vaults (excluding utility vaults)	No		
Unidentified Substances and Other Environmental Concerns/Conditions	No		
Use and Storage of Petroleum Products and Hazardous Substances	No		
Waste Water (excluding sanitary wastes)	Yes	The Site was irrigated by Class A+ (and formerly Class B+) effluent from the northwestern-adjoining Sedona Wastewater Reclamation Plant utilizing an above ground piping irrigation and sprinkler system.	The Site's irrigated effluent program is currently under an ADEQ aquifer protection permit (APP). At this time, the wastewater effluent is not considered an environmental concern as the irrigated effluent is monitored on a routine basis for contaminates under the APP. In addition, Ninyo & Moore has conducted limited soil sampling at areas that are irrigated on the Site that has been reported under separate cover.
Water Wells	Yes	Two City of Sedona-owned groundwater monitoring wells were observed on the Site	The presence of on-Site monitoring wells is not inherently

Feature	Observed at Site (Yes/No)	Comment	Environmental Concern
		including the point of compliance POC #1 (MW-4A) well (ADWR 55-587580) located on the southwestern corner of the Site and the POC #4 well (ADWR 55-921247) located on the central-western boundary of the Site that were associated with the Site's APP. In addition, multiple City of Sedona water supply, injection wells, and piezometers were present on the adjoining properties.	an environmental concern at this time. According to the provided groundwater monitoring data from 2024 and 2025, the POC #4 well had a missed Total Dissolved Solids (TDS) sample that was collected on September 18, 2024 but was not analyzed by the laboratory. A subsequent TDS sample was collected on November 13, 2024 however no TDS limits where established for TDS at POC #4 under the APP. No other contaminates of concern associated with the groundwater wells were reported above water quality, regulatory standards, or established APP levels in the groundwater data for the on-Site monitoring wells provided by the City of Sedona.

3. ADJOINING PROPERTIES

The following table lists the properties adjoining the Site and associated land use. Based on the nature of the adjoining properties, information available in agency databases, and observations made during our Site reconnaissance, it is not likely that these properties have impacted the environmental integrity of the Site at this time.

Adjoining Properties	
Location	Adjoining Properties and Associated Land Use
North	A gravel road and a water pump house associated with the City of Sedona wells and effluent irrigation and irrigated land.
South	Angel Valley Road with high desert land beyond.
East	Vacant high desert land.
West	Highway 89A with high desert land beyond.
Northwest	Highway 89A with the City of Sedona Wastewater Reclamation Plant beyond.

4. USER PROVIDED INFORMATION

The following sections summarize information provided by the user to assist the environmental professional in identifying the possibility of RECs in connection with the Site and to fulfill the user's responsibilities in accordance with ASTM E1527. A User Questionnaire was completed by Ms. Roxanne Holland with the City of Sedona on November 4, 2025. A copy of the User Questionnaire is included in Appendix C.

4.1. Environmental Cleanup Liens

Ninyo & Moore was not informed of the existence of environmental liens or AULs associated with the Site.

4.2. Activity and Use Limitations

Ninyo & Moore was not informed of the existence of AULs associated with the Site.

4.3. Specialized Knowledge

Ms. Holland reported that she knew of wastewater operations on the Site in the form of effluent spray irrigation used on the land.

4.4. Valuation Reduction for Environmental Issues

The Site was not for sale at the time of this ESA report therefore information pertaining to valuation reduction was not communicated to Ninyo & Moore by Ms. Holland for the purpose of this assessment.

4.5. Commonly Known or Reasonably Ascertainable Information

Ms. Holland stated that the Site had been used for at least 30 years to dispose of treated effluent via spray irrigation. She was not aware of spills or releases of petroleum products or hazardous materials on the Site.

4.6. Degree of Obviousness of Presence or Likely Presence of Contamination

Ms. Holland was not aware of any obvious indicators that point to the presence or likely presence of contamination at the Site.

4.7. Other User Provided Information

Additional user information regarding the environmental condition of the Site was not provided to Ninyo & Moore.

5. HISTORICAL USE INFORMATION

Ninyo & Moore conducted a historical record search for the Site. This included a review of one or more of the following resources that were found to be both reasonably ascertainable and useful for the purposes of this ESA: historical aerial photographs, historical fire insurance maps, historical topographic maps, land use records, and interviews with property representatives. Although one or more of the sources listed above provided limited information

regarding the historical use of the Site, the information gathered from the sources reviewed as a whole is adequate to develop a history of the previous uses of the Site and the surrounding area in accordance with ASTM E1527. The following sections summarize information obtained from the historical sources utilized for this assessment. The following table provides a list of historical sources reviewed for this ESA. Copies of historical research documentation, such as fire insurance maps, historical aerial photographs, and topographic maps, are provided in Appendix D.

Summary of Historical Records Reviewed		
Data Type	**Year(s)**	**Data Limitations**
EDR Aerial Photo Decade Package (Inquiry Number 8113579.8) Ship Date: September 19, 2025	1953, 1971, 1980, 1992, 1997, 2003, 2007, 2010, 2015, 2019, 2023	Not all 5-year intervals available.
EDR Historical Topo Map (Inquiry Number 8113579.4) Ship Date: September 18, 2025	1923, 1932, 1936, 1969, 2014, 2018, 2021	Not all 5-year intervals available.
EDR Certified Sanborn Map Report (Inquiry Number 8113579.3) Ship Date: September 18, 2025	No Coverage	No Coverage
EDR City Directory Image Report (Inquiry Number 8113579.5) Ship Date: September 23, 2025	1992, 1995, 2000, 2005, 2010, 2014, 2017, 2022	

5.1. Historical Aerial Photographs

Ninyo & Moore reviewed the EDR Aerial Photo Decade Package report (EDR, 2025a) dated September 19, 2025. The report included aerial photographs that begin in 1953. A listing of the photographs reviewed is presented in the following table. Copies of the historical aerial photographs are provided in Appendix D.

Based on the review of the aerial photographs listed below, the Site was vacant land from 1953 until 1997 when the Site was developed with irrigation lines. The Site remained relatively unchanged from 1997 until the 2025 aerial photograph. No RECs were identified for the Site or adjoining properties based on historical aerial photograph review.

Summary of Aerial Photograph Review			
Year(s)	**Source**	**Site Comments**	**Adjoining Area Comments**
1953	EDR	The Site appeared as native desert land with ephemeral washes and apparent gravel trails.	An apparent roadway in the same configuration as Highway 89A was present west of the Site and an apparent gravel road was present south of the Site. An apparent pond was present southwest of the Site and the surrounding areas appeared as vacant land.
1971	EDR	No significant changes when compared to the 1953 aerial photograph.	No significant changes when compared to the 1953 aerial photograph.
1980	EDR	Additional gravel trails bisected the Site.	No significant changes when compared to the 1953 aerial photograph.
1992	EDR	No significant changes from the 1980 aerial photograph.	Northwest was graded for development in the same configuration as the City of Sedona Wastewater Reclamation Plant.

Year(s)	Source	Site Comments	Adjoining Area Comments
1997	EDR	Apparent circular vegetation features were present on the northeast portion of the Site and irrigation lines were present throughout the Site.	Settlement ponds and the City of Sedona Wastewater Reclamation Plant were present north and northwest of the Site.
2003	EDR	Additional vegetation had grown on the southwestern portion to the northeastern portion of the Site.	No significant changes from the 1997 aerial photograph.
2007	EDR	No significant changes when compared to the 2003 aerial photograph.	No significant changes when compared to the 1997 aerial photograph.
2010	EDR	No significant changes when compared to the 2003 aerial photograph.	Some small structures that appeared to be associated with City of Sedona wells was present on the north-adjoining property.
2015	EDR	Additional vegetation had grown on the Site.	No significant changes when compared to the 2010 aerial photograph.
2019 through 2025	EDR and Google Earth	No significant changes from the 2003 aerial photograph.	No significant changes when compared to the 2010 aerial photograph.

5.2. Sanborn Fire Insurance Maps

Ninyo & Moore requested historic fire insurance rate maps (Sanborn Maps) of the Site through EDR. Sanborn Map coverage was not available for the Site and surrounding areas. A copy of the Sanborn Map Report is included in Appendix D.

5.3. Building Permits

No building permits were available for the Site. Historically, no evidence of structures were present on the Site.

5.4. Historical Topographic Maps

Ninyo & Moore reviewed the EDR Historical Topo Map Report, dated September 18, 2025 (EDR, 2025c). A listing of the maps reviewed is presented in the following table. Copies of the historical topographic maps are provided in Appendix D.

Summary of Topographic Maps		
Year(s)	Quadrangle	Summary
1923	Camp Verde, 30-minute	No structures were depicted on the Site. Ephemeral streams were depicted traversing the Site.
1932	Camp Verde, 30-minute	The Site was depicted as vacant with an unimproved road depicted along the north portion of the Site. A highway was depicted as a red line west of the Site and jeep trails were depicted in the surrounding area.
1936	Camp Verde, 30-minute	The unimproved road west of the Site was depicted as a highway.
1969	Page Springs, 7.5 minute	The Site was depicted as vacant, and a rest area was depicted west of the Site just east of Highway 89. A corral and White Flat Tank was depicted southwest of the Site.
2014	Page Springs, 7.5-minute	Highway 89A was depicted as a two-lane highway west of the Site and Forest Service Road 89B was depicted south of the Site. The southern portion of the Site was labeled White Flat. Roadway development was depicted north of the Site.
2018	Page Springs, 7.5-minute	Settlement ponds associated with the City of Sedona Wastewater Reclamation Plant were depicted northwest of the Site. No structural development was depicted on the Site.
2021	Page Springs, 7.5-minute	No significant changes were depicted when compared to the 2018 topographic map.

5.5. City Directories

Ninyo & Moore reviewed the EDR City Directory Image Report, dated September 23, 2025 (EDR, 2025d), for the Site and adjoining properties, to evaluate facilities of potential concern, which may have been historically located on or adjoining to the Site. The Site does not have a listed address and the listings reviewed were rural residential in the surrounding areas. A copy of the City Directory Image Report is provided in Appendix D. Review of the City Directory listings did not identify any RECs associated with the Site or adjoining properties.

5.6. Interviews

Ms. Roxanne Holland, completed an owner interview questionnaire on November 4, 2025. According to Ms. Holland, the Site has had no current or former structures and has been used to dispose of treated effluent from the adjoining Sedona Wastewater Reclamation Plant since 1993. A prior owner had planned to develop the Site into a residential subdivision, however no development took place prior to the City of Sedona acquiring the land. Ms. Holland was not aware of any tanks, environmental issues and/or legal proceedings, hazardous material, water features, or stained soil associated with the Site. Ms. Holland stated there are two groundwater monitoring wells on the Site and that the associated aquifer protection permit (APP) requires quarterly testing of the groundwater wells. Ms. Holland also reported that the Site was used for wastewater treatment through the disposal of treated effluent as spray irrigation on the land. Ms. Holland stated she was aware of registrations for underground injections systems, safety plans, and geotechnical reports for the Site.

5.7. Review of Title Documents

Title documentation and a historical chain-of-title report was not provided by the City of Sedona for review by Ninyo & Moore during the completion of this ESA.

5.8. Previous Reports and Documents

Ninyo & Moore was not provided copies of prior ESA reports completed for the Site.

6. PHYSICAL SETTING

The following sections include discussions of geologic and soils conditions, Site hydrology, surface waters, and topography.

6.1. Geologic and Soil Conditions

The Site is located on the transition between the Colorado Plateau and the Transition Zone Physiographic Provinces, which is typified by by steep, discontinuous, sub parallel mountain ranges. The mountain ranges generally trend north-south and northwest-southeast. The basin floors consist of alluvium with thickness extending to several thousands of feet. These basins filled with alluvium from the erosion of the surrounding mountains, as well as from deposition from rivers. Coarser-grained alluvial material was deposited at the margins of the basins near the mountains. The surface geology of the area is described as Quaternary deposits of silt, sand, and gravel.

Ninyo & Moore's review of the United States Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS) online web soil survey indicated the primary soil type beneath the Site is mapped as Ustic Haplargids and Typic Torriorthents with 10-60 percent slopes, and Ustic Haplocalcids, Ustic Haplocambids, rarely flooded and Typic Torripsamments, rarely flooded with 2 to 25 percent slopes. A copy of the USDA NRCS Web Soil Survey report is included in Appendix E.

6.2. Site Hydrology

The following sections discuss the Site hydrology in terms of surface water and groundwater.

6.2.1. Surface Waters

Surface waters, including ponds, streams, creeks, lagoons and other naturally-occurring bodies of water, were not observed on the Site at the time of our reconnaissance.

Standing water puddles from effluent irrigation were observed on the interior of the Site and ephemeral washes were observed transecting the Site.

6.2.2. Flood Zones

Ninyo & Moore reviewed flood zone information from Federal Emergency Management Agency's (FEMA) Flood Map Service Center website. According to this information, the Site is located within Zone X, also known as the 500-year flood zone, which is defined as areas of 0.2 percent annual change flood; areas of one percent annual chance flood with average depths of less than one-foot or with drainage areas less than one square-mile; and areas protected by levees from one percent annual chance flood. A copy of the FEMA floodplain map for the Site and surrounding area is included in Appendix F.

6.2.3. Groundwater

According to data published by the Arizona Department of Water Resources (ADWR), the approximate depth to groundwater in the area of the Site ranges from about 414- to 538-feet below ground surface (bgs). According to ADWR well records, perched aquifers on the adjoining properties have been measured in piezometers at approximately 20-feet bgs. The estimated depth to groundwater is based on data obtained from wells located within an approximate 1-mile radius of the Site. Based on published groundwater flow contours, the groundwater flow direction in the Site vicinity is reported to generally be in a southwesterly direction. Groundwater levels and flow direction can fluctuate due to seasonal variations, groundwater withdrawal or injection, and other factors.

6.3. Topographic Conditions

Based on a review of the United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Map Series of the 2021 Page Springs, Arizona Quadrangle, the Site is situated at an elevation of approximately 4,026 feet above mean sea level. The topography of the Site generally slopes towards the west.

7. ENVIRONMENTAL REGULATORY AGENCY INQUIRIES

To enhance and supplement the standard environmental record sources identified in Section 5.1, additional local and/or federal, state, or tribal records shall be checked when, in the judgement of the EP, such additional records (1) are reasonably ascertainable, (2) and sufficiently useful, accurate, and complete in light of the objective of the records review. Examples of additional record sources include department of health/environmental division, fire department, planning/building department, or local/regional water quality agencies. In completing this ESA, Ninyo & Moore contacted the following additional record sources:

- Arizona Department of Environmental Quality (ADEQ)
- Yavapai County Environmental Health Department (YCEHD)
- Sedona Fire Department
- City of Sedona Public Records Department

Descriptions of these agencies are provided in Sections 7.1 through 7.4 below.

7.1. State Environmental Sources

Based on Ninyo & Moore's review of the ADEQ Arizona Unified Repository for Informational Tracking of Environment (AZURITE) database did not identify a Declaration of Environmental Use Restriction (DEUR) or a Voluntary Environmental Mitigation Use Restriction (VEMUR) for the Site. Ninyo & Moore's review of the ADEQ online databases indicated there were no records of drywells, underground storage tanks (USTs), or leaking underground storage tanks (LUSTs) for the Site.

7.2. County Environmental Sources

Yavapai County Environmental Services Department (YCESD)

Ninyo & Moore requested records associated from Yavapai County. On September 25, 2025, Yavapai County reported that they had no records associated with the Site. Due to the mostly undeveloped nature of the Site from at least 1929, records for the Site are unlikely to exist.

7.3. Fire Department

Ninyo & Moore requested available records for the address associated with the Site regarding fire records, hazardous materials spills, and UST permits from the Sedona Fire Prevention Department (FPD). The Sedona FPD had no records for the Site address.

7.4. Local Regulatory Sources

Ninyo & Moore requested records for the address associated with the Site regarding environmental records, chemical storage records, hazardous materials spills, and UST permits from the Sedona Public Records Department that may be available. Mr. David Jakin with the City of Sedona City Clerk's Office, contacted Ninyo & Moore by email and stated there were no

records or files associated with chemical storage records, hazardous materials spills, and UST permits available for the Site.

Ms. Kelly Hanzel, Regulatory Compliance Specialist with the City of Sedona Wastewater Department provided an ADEQ aquifer protection permit (APP) number P-102298 and effluent and groundwater data that is associated with the Sedona Wastewater Reclamation Plant located northwest of the Site. According to the APP, two City of Sedona-owned groundwater monitoring wells were observed on the Site including the point of compliance POC #1 (MW-4A) well (ADWR 55-587580) located on the southwestern corner of the Site and the POC #4 well (ADWR 55-921247) located on the central-western boundary of the Site that were associated with the Site's APP. According to the provided groundwater monitoring data from 2024 and 2025, the POC #4 well had a missed Total Dissolved Solids (TDS) sample that was collected on September 18, 2024 but was not analyzed by the laboratory. A subsequent TDS sample was collected on November 13, 2024 however no TDS limits where established for TDS at POC #4 under the APP. No other contaminates of concern associated with the groundwater wells were reported above water quality, regulatory standards, or established APP levels in the groundwater data for the on-Site monitoring wells provided by the City of Sedona.

8. ENVIRONMENTAL DATABASE REPORT REVIEW

EDR performed a computerized environmental information database search for the Site and Site vicinity on September 18, 2025. The EDR Radius Map Report (EDR, 2025e) included federal, state, and local databases. The review was conducted to evaluate whether or not the Site or nearby properties have been listed as having experienced unauthorized releases of hazardous substances or petroleum products that may have impacted the Site. A complete list of the environmental databases searched and their corresponding search distance is included in the EDR Radius Map Report, presented in Appendix C.

Zero listings were identified for the Site, and one nearby facility was identified within the ASTM search radii. A summary of the findings of the environmental databases search, the corresponding search distances, and the number of listed properties identified of potential environmental concern to the Site are presented in the Map Findings Summary table below:

Map Findings Summary								
Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Waste Water Treatment Facilities		0.5	0	0	1	NR	NR	1
Facility Index System/Facility Registry System		TP	NR	NR	1	NR	NR	0
Aquifer Protection Permits List		TP	NR	NR	1	NR	NR	0

8.1. Regulatory Database Listings for the Site

The Site was not listed on the regulatory databases researched by EDR.

8.2. Regulatory Database Listings for Off-Site Properties

Off-Site properties/facilities listed in the **Map Findings Summary** table above were evaluated as to their potential to impact soil, soil vapor, and/or groundwater at the Site. The following table presents the properties/facilities that were interpreted to represent a potential environmental concern to the Site, based on their proximity to the Site, the nature of the database on which they are listed, and/or the assumed direction of groundwater flow in the Site vicinity (west-northwesterly).

Facilities of Potential Concern	
Site Name	SEDONA, CITY OF - WWTP
Site Address	19655 HIGHWAY 89A
Distance from Site	2336 feet
Direction from Site	North
Database	AQUIFER, WWFAC, FINDS
Comments	The City of Sedona had a water treatment plant at 19655 Highway 89A that was listed in the Aquifer Protection Permits List, Waste Water Treatment Facilities, and Facility Index System/Facility Registry System databases. There were no violations or releases reported in association with the facility. Due to the nature of the facility, the distance from the Site, the current regulatory status, and the cross-gradient positioning in relation to the Site, this does not represent a REC.

9. VAPOR ENCROACHMENT/INTRUSION

Ninyo & Moore conducted a preliminary vapor encroachment screen (pVES) for potential chemicals of concern (COC). The pVES was based on the guidelines presented in the ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. The purpose of the pVES is to identify a vapor encroachment condition (VEC), which is the presence or likely presence of COC vapors in sub-surface soils at the Site as a result of a release of vapors from contaminated soil or groundwater either on or near the Site. The potential for VECs beneath the Site was evaluated using a Vapor Encroachment Screening Matrix (VESM). The VESM included performing a Search Distance Test to identify if there are any known or suspect contaminated sites surrounding or upgradient of the Site within specific search radii, a COC Test (for those known or suspect contaminated sites identified within the Search Distance Test) to evaluate whether or not COC are likely to be present, and a Critical Distance Test to evaluate whether or not COC in a contaminated plume may be within the critical distance of the Site (100 feet for non-petroleum hydrocarbon contaminants, and 30 feet for petroleum hydrocarbon contaminants).

Based on the completion of the VESM, it is presumed unlikely that a VEC currently exists beneath the Site. A copy of the VESM is included in Appendix H.

10. ANALYSIS AND CONCLUSIONS

Ninyo & Moore has performed this ESA in conformance with the scope and limitations of ASTM E1527-21 of 200 acres of land located in Sedona, Arizona. Based on the information compiled during the preparation of this report, this assessment has revealed no evidence of RECs, Historical RECs (HRECs), or Controlled RECs (CRECs) in connection with the Site, and no RECs were identified for the adjoining properties.

10.1. Subject Site

Historical research revealed that the Site was undeveloped vacant land from at least 1923 until approximately 1993 when the Sedona Wastewater Reclamation Plant was constructed to the northwest of the Site and Class B+ effluent from the Reclamation Plant was irrigated on the Site utilizing an above ground piping irrigation and sprinkler system. Due to the effluent irrigating, the Site's vegetation growth began to increase and become more dense. The Class B+ effluent was irrigated on the Site from 1993 until 2012 when the Class B+ effluent was changed to a Class A+ effluent. The Site had remained relatively unchanged from 2012 to the time of the Site reconnaissance.

On September 17, 2025, Ms. Amie Town and Ms. Jennifer Anderson, both with Ninyo & Moore, conducted a Site reconnaissance that included a visual inspection of the Site, and observations of adjoining properties. At the time of the Site reconnaissance, the Site was irrigated by Class A+ effluent from the northwestern-adjoining Sedona Wastewater Reclamation Plant utilizing an above ground piping irrigation and sprinkler system. Areas of dense vegetation and grazing livestock were observed and the Site was bound by barbed wire fencing and vehicle gates. The adjoining properties were observed as predominantly vacant high desert land. A gravel road and a water pump house associated with the City of Sedona's groundwater and injection wells and effluent irrigation was observed to the north and the Wastewater Reclamation Plant infrastructure was observed beyond Highway 89A to the north and northwest.

The Site was not identified in the searched federal and state regulatory databases.

This assessment has revealed no evidence of RECs, HRECs, or CRECs in connection with the Site.

10.2. Off-Site

According to a review of historical documentation, the adjoining areas of the Site consisted of vacant desert land until the from as early as 1923 until the 1990s, when the land to the north was graded and then developed with the current wastewater reclamation facility. At the time of the reconnaissance, the surrounding areas of the Site consisted of the Wastwater Reclamation Plant to the north and northwest and vacant land to the east, west, and south.

The City of Sedona Wastewater Treatment Plant was located within the EDR search radius from the Site. The facility was classified as a wastewater treatment facility with an aquifer protection permit. Based on the information available and reviewed, the facility does not represent a REC at this time.

This assessment has revealed no evidence of RECs for the Site which are associated with nearby or adjoining properties.

10.3. Deviations

This report was prepared in accordance with ASTM E1527-21. No deviations from the standard occurred in this ESA. Based on the information gathered by Ninyo & Moore for the purposes of this ESA, it is Ninyo & Moore's opinion the data obtained from the Site reconnaissance, records reviewed, and interviews conducted, is adequate to make a conclusion on the environmental condition of the Site with respect to the existence or lack of RECs associated with the Site or adjoining properties.

11. RECOMMENDATIONS

Based on the findings of this ESA, no further investigation is recommended at this time.

12. ENVIRONMENTAL PROFESSIONAL STATEMENT

The undersigned individuals were involved in the preparation of this report, and have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Site Assessor:

Amie Town
Project Environmental Scientist

Senior Reviewer:

Christian D. Lewallen
Senior Geologist, RG

Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Christian D. Lewallen - Senior Geologist, RG

13. REFERENCES

Arizona Department of Environmental Quality web page, 2025, http://www.azdeq.gov/index.html.

Arizona Department of Environmental Quality web page, Records Search for Environmental Liens and Activity and Use Limitations; Voluntary Environmental Mitigation Use Restrictions (VEMUR) and Declaration of Environmental Use Restrictions (DEUR), 2019.

Arizona Department of Water Resources, 2002-2003, Hydrologic Map Series Report No. 35: dated November 2002 to February 2003.

Arizona Department of Water Resources, 2025, https://gisweb.azwater.gov/waterresourcedata/WellRegistry.aspx.

ASTM International, 2021, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-21.

Environmental Data Resources, Inc., 2025a, The Environmental Data Resources Aerial Photo Decade Package, dated September 19.

Environmental Data Resources, Inc., 2025b, The Environmental Data Resources Sanborn Map Report, dated September 18.

Environmental Data Resources, Inc., 2025c, The Environmental Data Resources Historical Topographic Map Report, dated September 18.

Environmental Data Resources, Inc., 2025d, The Environmental Data Resources City Directory Report, dated September 23.

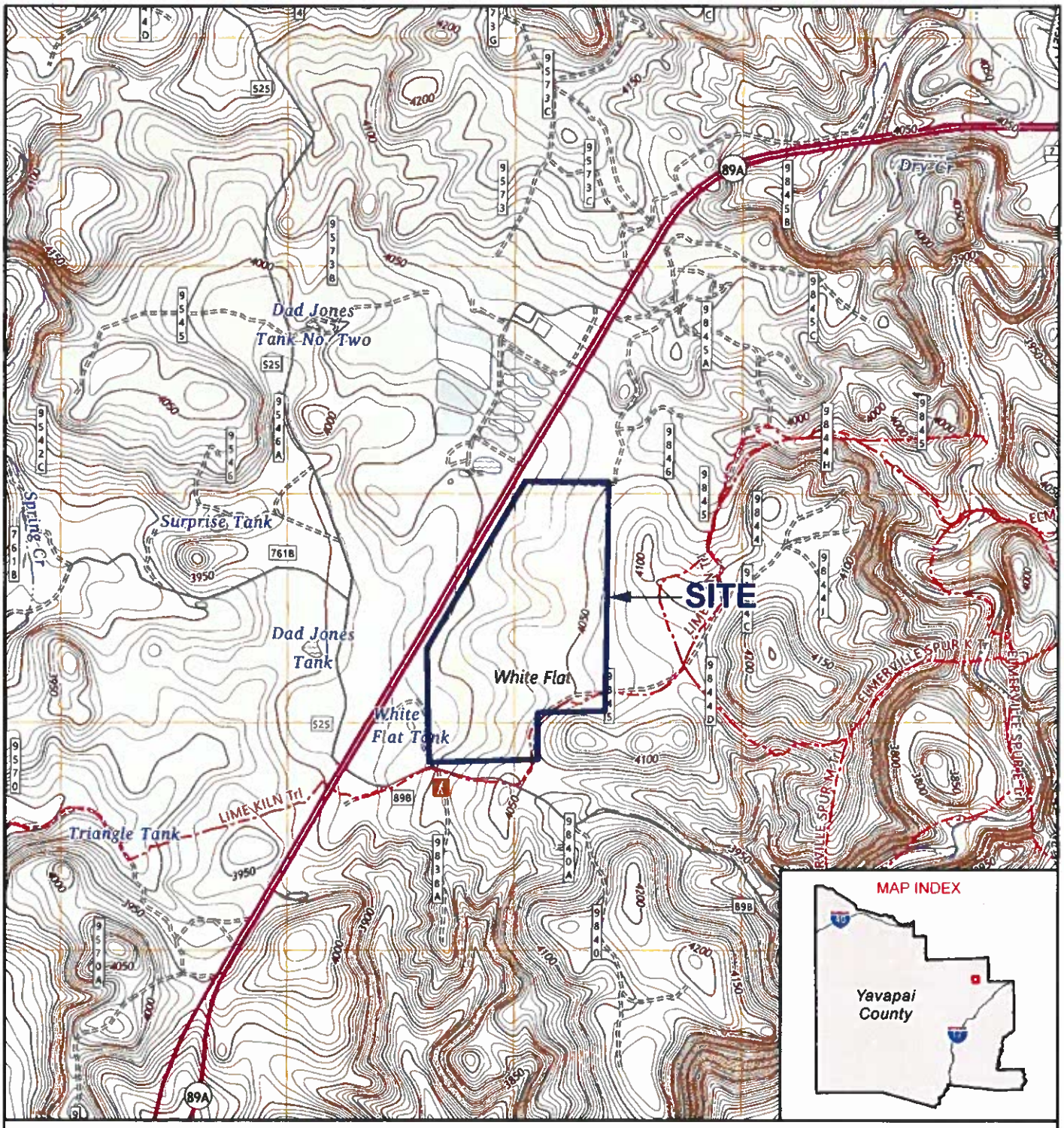
Environmental Data Resources, Inc., 2025e, The Environmental Data Resources Radius Map Report, dated September 18.

Google Earth, 2025.

Yavapai County Assessor's Webpage, 2025, https://www.yavapaiaz.gov/Mapping-and-Properties/Assessors-Office

NRCS USDA Online Websoil Survey, 2025, http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx.

FIGURES



NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: USGS, 2025

N

FEET

0 2,000 4,000

FIGURE 1

SITE LOCATION

PHASE I ENVIRONMENTAL SITE ASSESSMENT
STATE ROUTE 89A AND FOREST SERVICE ROAD 89B
SEDONA, ARIZONA
609020002 | 11/25

Ninyo & Moore
A SOCOTEC COMPANY

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LEGEND

GROUNDWATER WELL — SITE BOUNDARY

MONITORING WELL

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: GOOGLE, 2025

N

FEET

0 1,000 2,000

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FIGURE 2

SITE PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT
STATE ROUTE 89A AND FOREST SERVICE ROAD 89B
SEDONA, ARIZONA
609020002 | 11/25

Ninyo & Moore
A SOCOTEC COMPANY

Appendix A -

Credentials



EXPERIENCE

1 Year with Firm

4 Years Total

EDUCATION

B.S., Environmental Science, 2020,
University of Arizona

CERTIFICATIONS

ADOT, Erosion Control Coordinator Training

AHERA Asbestos Contractor/Supervisor

AHERA Building Inspector

EPA Lead Inspector/Risk Assessor

MSHA 8-Hour

OSHA HAZWOPER 40-Hour

OSHA HAZWOPER 8-Hour

Amie L. Town,
Project Environmental Scientist

Ms. Town has extensive experience in managing environmental site assessments (Phase I and II ESAs), site characterization, and remediation design, as well as industrial hygiene services such as asbestos, lead paint, indoor air quality, and mold evaluations. She also has expertise in regulatory compliance, including stormwater management, permitting, and environmental auditing. Her project experience spans a variety of sites for public agencies, local governments, and private industry. She oversees project management, budgets, client relations, and staff, and is actively involved in fieldwork, report preparation, and proposal efforts. Additionally, Ms. Town handles data compilation, historic research, and coordination with subcontractors and vendors.

PROJECT EXPERIENCE

Arizona Department of Administration, University of Arizona, Administration Property, Tucson, AZ: Project Environmental Scientist during an Indoor Air Quality Assessment in the interior spaces of the University of Arizona Administration Building property. Our services included collecting air samples in discrete interior locations within the building-under-construction to assess ambient airborne concentrations of mold spores; collecting six tape lift or swab samples of visible mold to assess non-culturable mold species present in significant quantities; using Forward Looking InfraRed (FLIR) camera technology to look for moisture behind installed drywall and other areas of the building where mold is observed or suspected; and preparation of a report summarizing our methodology of the study, findings, and recommendations.

Davis-Monthan Air Force Base, Permanent Party Dorm Renovations, Tucson, AZ: Project Manager during Asbestos-Containing Materials (ACM) and Lead-Based Paint (LBP) survey services for the renovation of interior walls, plumbing, mechanical, electrical and fire protection systems to meet current Airforce standards and included the design and construction of a new elevator, new exterior walkways and stairwells to increase usable floor area. Our ACM services included review of previous reports and engineering plans; conducting inspection of the facility consisting of identifying, categorizing, and quantifying suspect materials that have the potential to be disturbed by the project, inspecting all such suspect materials throughout the facility, and collect samples from suspect materials; submitting samples collected to an approved analytical laboratory for analysis; and preparation of a report summarizing the results of the asbestos inspection.

Our LBP services included XRF instrument to non-destructively test painted components on each roof surface, parapet wall, and roof-mounted equipment requiring removal, for the presence of LBP; and paint chip sampling for total lead content if XRF readings are inconclusive.

Amie L. Town,
Project Environmental Scientist



Navajo County, Joseph City Sidewalk Improvements, Joseph City, AZ: Project Manager during a Preliminary Site Assessment (PISA) and ACM and LBP survey for sidewalk improvements along 2nd North Avenue and 3rd North Avenue. The project work involved improvements, such as sidewalks, and multi-use paths and crossings, to make walking and bicycling to school safer and easier for students.

City of Sierra Vista, Space Re-Entry Port at Sierra Vista Airport, AZ: Project Manager during environmental services for the feasibility study of spaceport development at the Sierra Vista Municipal Airport. Our services included reconnaissance of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; interviewing present and past owners, operators, and occupants of the site; and preparation of a report presenting our findings, opinions, and conclusions.

Tucson Airport Authority, Aragon Road Sites, Tucson, AZ: Project Manager during Phase I Environmental Site Assessments (ESAs), ACM, and LBP Surveys, and Septic Tank Decommissioning at multiple sites on Aragon Road totaling 4 acres for future acquisition by Tucson International Airport.

Ventana Village Shopping Center Suite, Tucson, AZ: Project Manager during ACM and LBP survey services for tenant improvements of the interior at the former Tuesday Morning suite in the Ventana Village shopping center.

Town of Sahuarita, Eagle Picher Mill Parcel 30, AZ: Project Manager during environmental services for the acquisition of a 238-acre former mill site to create hiking trails and pollinator gardens. Our services included 5-year reporting of engineered cap inspections on mine tailing pile.

Arizona Water Company, Property in Queen Valley, AZ: Project Manager during a Phase I ESA on a property for Arizona Water Company in Queen Valley, Arizona. Our services included reconnaissance of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; interviewing present and past owners, operators, and occupants of the site; and preparation of a Phase I ESA report meeting the ASTM and AAI standards, documenting our findings and providing opinions and recommendations regarding possible environmental impacts at the site.

Lennar Arizona, Rocking K South, Neighborhood 3, Tucson, AZ: Project Manager during a Phase I ESA for purchase of the land to develop 121 single-family residential homes.

Davis-Monthan Air Force Base, Hangar Building 269 Renovation, Tucson, AZ: Project Manager during ACM and LBP Surveys of the Hangar Building 269 at Davis-Monthan Air Force Base. The Hangar Building 269 components were evaluated prior to a complete renovation of interior walls, plumbing, mechanical, electrical, and fire protection systems to meet current US Air Force standards.

University of Arizona, Micro/Nano Fabrication Center Renovation, AZ: Project Manager during environmental services for the renovation and expansion to accommodate the addition of new semiconductor related equipment and included cleanroom walls, air recirculation systems, office and support areas, operational controls, hazardous gas monitoring, demolishing 14,000 square feet of existing slab on grade, excavating down 2-feet below existing grade, and constructing a new floor slab and partitions. Our services included collecting metal dust wipe samples and submitting for metals analysis, on-site field testing of surface pH, visual assessment of the Site building to estimate the number of potentially hazardous building materials present, TCLP RCRA 8 metals testing of one composite concrete sample, and preparation of a report presenting the analytical data and summarizing the results of the study.



EXPERIENCE

1 Year with Firm

22 Years Total

EDUCATION

B.S., Geology, 2003,
California State University Chico

REGISTRATIONS/ CERTIFICATIONS

RG 69011 (Arizona)

PG 13554802-2250 (Utah)

PG 3771 (Wyoming)

AGC-ADOT Erosion Control Coordinator

AHERA Building Inspector

OSHA HAZWOPER 40-Hour

OSHA HAZWOPER 8-Hour

Jennifer L. Anderson,

RG

Senior Project Geologist

Ms. Anderson is experienced in all phases of environmental site assessments (Phase I and II ESAs), comprehensive site characterization, and remediation planning and design. Additionally, she has experience performing and managing industrial hygiene services (noise monitoring, asbestos, indoor air quality), and regulatory compliance (storm water, permitting, environmental compliance, SPCC plans). She has local project experience providing these services on a wide variety of sites for clients including public agencies, local governments, utilities and private industry. Her responsibilities include managing projects and project budgets, managing client and client relationships, overseeing project staff, mentor junior staff, lead and guide proposal efforts, and assist with or lead report preparation and other project documents. She is an effective communicator and coordinator with teammates and clients, and is knowledgeable in laws, rules, and regulations.

PROJECT EXPERIENCE

HonorHealth, Apache Trail Medical Clinic, Apache Junction, AZ: Senior Project Geologist during a Phase I Environmental Site Assessment at the existing medical clinic on Apache Trail in Apache Junction, Arizona. Our services included reconnaissance of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; interviewing present and past owners, operators, and occupants of the site; performing a preliminary vapor encroachment screening assessment on the site; and preparation of a Phase I ESA report meeting the ASTM and AAI standards, documenting our findings and providing opinions and recommendations regarding possible environmental impacts at the site.

HonorHealth, Medical Office Building Suite, Goodyear, AZ: Senior Project Geologist during a Phase I Environmental Site Assessment at the medical office building suite in Goodyear, Arizona. Our services included reconnaissance of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; interviewing present and past owners, operators, and occupants of the site; performing a preliminary vapor encroachment screening assessment on the site; and preparation of a Phase I ESA report meeting the ASTM and AAI standards, documenting our findings and providing opinions and recommendations regarding possible environmental impacts at the site.



EXPERIENCE

6 Years with Firm

15 Years Total

EDUCATION

B.S., Geology, 2008,
Oregon State University

REGISTRATIONS/ CERTIFICATIONS

RG 67107 (Arizona)

PG 3328 (Washington)

PG 4094 (Wyoming)

AHERA Asbestos Building Inspector

AHERA Asbestos Contractor/Supervisor

EPA Lead-Based Paint Risk Assessor

CPR/AED/First Aid Certification

OSHA HAZWOPER 8-Hour Refresher

XRF Analyzer Training

Christian D. Lewallen,

RG

Senior Geologist

Chris has extensive experience conducting Phase I & II Environmental Site Assessments, air sampling, industrial hygiene evaluations, and UST investigations and removals. He prepares field data, photographic documentation, and quantifies hazardous materials, while also coordinating and scheduling subcontractors for various tasks. Additionally, Chris performs basic calculations, prepares field studies, and contributes to report writing. He is skilled at managing site investigations, ensuring all activities are compliant with environmental regulations and safety standards. Chris also communicates effectively with project stakeholders, ensuring project timelines and budgets are met. His ability to work independently in the field and collaborate with teams makes him a valuable asset on environmental projects.

PROJECT EXPERIENCE

Del Rey Cleaners, Tempe, AZ: Project Manager during Site Characterization, Soil Vapor Extraction (SVE), and remediation services for Del Rey Cleaners located in Tempe, Arizona. The owner was interested in remediating HVOC-impacted soil and soil gas in the subsurface to address health risk concerns to onsite tenants as well as to satisfy ADEQ requirements for voluntary cleanup. Our services consisted of performing additional soil and soil gas investigation to better define the lateral and vertical extent of HVOCs in soil and soil vapor beneath the dry cleaner suite. The objective of our additional investigation was to provide sufficient data to satisfy the ADEQ for entry into the Voluntary Remediation Program.

Larry H. Miller Dealerships, Surprise, Avondale, Peoria, Tucson, and Mesa, AZ: Project Manager during 15 Phase I Environmental Site Assessments (ESA) at 15 dealership locations in Surprise, Avondale, Peoria, Tucson, and Mesa, Arizona. Our services included physical review of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; performing interviews with present owners, operators, and occupants of the site; performing a vapor encroachment screening assessment; and preparation of a Phase I ESA report documenting findings and providing opinions and recommendations regarding possible environmental impacts at the site.

Luke Air Force Base, Tactical Operations Building, Glendale, AZ: Project Manager during an Asbestos-Containing Material (ACM) and Lead-Based Paint (LBP) Survey for five existing structures totaling 44,000 square feet, and five steel canopy structures that were demolished. Our asbestos inspection included site recon; performing bulk sampling of each homogenous area of suspect ACM identified; submitting samples to a NVLAP-accredited laboratory for analysis by polarized light microscopy coupled with dispersion staining; and preparation of a report.

Christian D. Lewallen,
Senior Geologist



Our lead-based paint inspection included site recon; performing inspection with a current-generation hand-held Niton X-Ray Fluorescence instrument; sampling paint chips and submitting the samples to an accredited laboratory for analysis using Flame Atomic Absorption Spectroscopy or Inductively Coupled Plasma; and preparation of a report presenting our findings, conclusions, and recommendations.

City of Glendale, City Hall, AZ: Principal Engineer during a pre-renovation ACM and LBP survey, and Abatement Oversight and Sampling of City Hall and the Council Chambers buildings. The purpose of the survey and sampling was to evaluate all building materials inside and along the exterior of the structures for the presence of ACM and LBP, to determine if regulated building materials were present that would require special handling or removal in advance of selective demolition and renovation.

Arizona Department of Administration, University of Arizona, Administration Property, Tucson, AZ: Project Manager during an Indoor Air Quality Assessment in the interior spaces of the University of Arizona Administration Building property. Our services included collecting air samples in discrete interior locations within the building-under-construction to assess ambient airborne concentrations of mold spores; collecting six tape lift or swab samples of visible mold to assess non-culturable mold species present in significant quantities; using Forward Looking InfraRed (FLIR) camera technology to look for moisture behind installed drywall and other areas of the building where mold is observed or suspected; and preparation of a report summarizing our methodology of the study, findings, and recommendations.

Maricopa County, Office Building, Gilbert, AZ: Project Manager during limited ACM and LBP Surveys of the 40,000 square foot Fiesta Tech Office Building, in Gilbert, Arizona. Our services included visual assessment of the site building interior to assess homogeneous areas of suspect ACM, quantify suspect ACMs, and prepare a sampling scheme; performing bulk sampling and submitting to a NVLAP accredited laboratory for analysis by polarized light microscopy with dispersion staining; conducting a LBP survey sing a portable XRF analyzer; and preparation of a report presenting the analytical data and summarizing the results of the materials assessed.

HonorHealth, Vacant Suite, Phoenix, AZ: Project Manager during ACM, indoor air/mold survey, and lead wipe sampling at a vacant suite for renovation and re-occupancy in Phoenix, Arizona. Our services included visual assessment of site; performed bulk sampling of each homogenous area of suspect ACM identified and submitted to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory for analysis by polarized light microscopy with dispersion staining (PLM/ds); conducted direct indoor air reading utilizing direct instrumentation and collected indoor air samples and lead dust wipe samples; submitted samples for analysis; and preparation of a report presenting the analytical data and summarizing the results of the materials assessed.

Town of Gilbert, Ocotillo Road Improvements: 148th Street to Greenfield Road, AZ: Project Manager during a Phase I ESA for the design and construction of 1.5 miles of pavement widening (four lanes and striped center left turn lane), bike lanes, sidewalks, street lights, and sewer lines, and relocation of 69KV power lines.

Arizona Department of Economic Security, Indoor Air Quality Surveys, Various Locations, AZ: Project Manager during multiple Indoor Air Quality services for the Arizona Department of Economic Security at 8 sites in various locations throughout Arizona. Our services included direct reading instrumentation utilized throughout the areas of interest within the buildings; using a photo-ionization detector, with a detection limit in the parts per billion range, used to detect any ambient volatile organic compounds (VOCs) within the buildings; collecting air samples within the DES-occupied facilities to assess ambient airborne concentrations of mold spores; and preparation of multiple reports presenting our methodology of the study, findings, and recommendations.

City of Mesa, Eastmark Fire Station, AZ: Project Manager during a Phase I and Phase II ESA of the vacant land proposed as the future location of the Eastmark Fire Station located in Mesa, Arizona. The parcel encompasses approximately 2.27 acres and was previously part of General Motors' Desert Proving Grounds.

Appendix B -

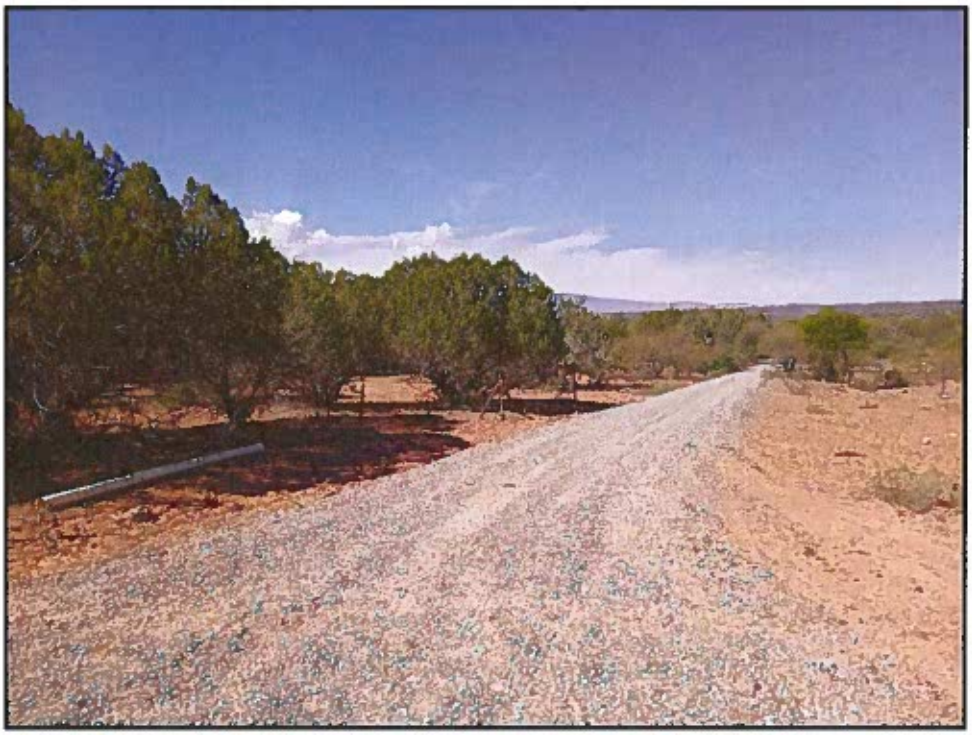
Photographic Documentation



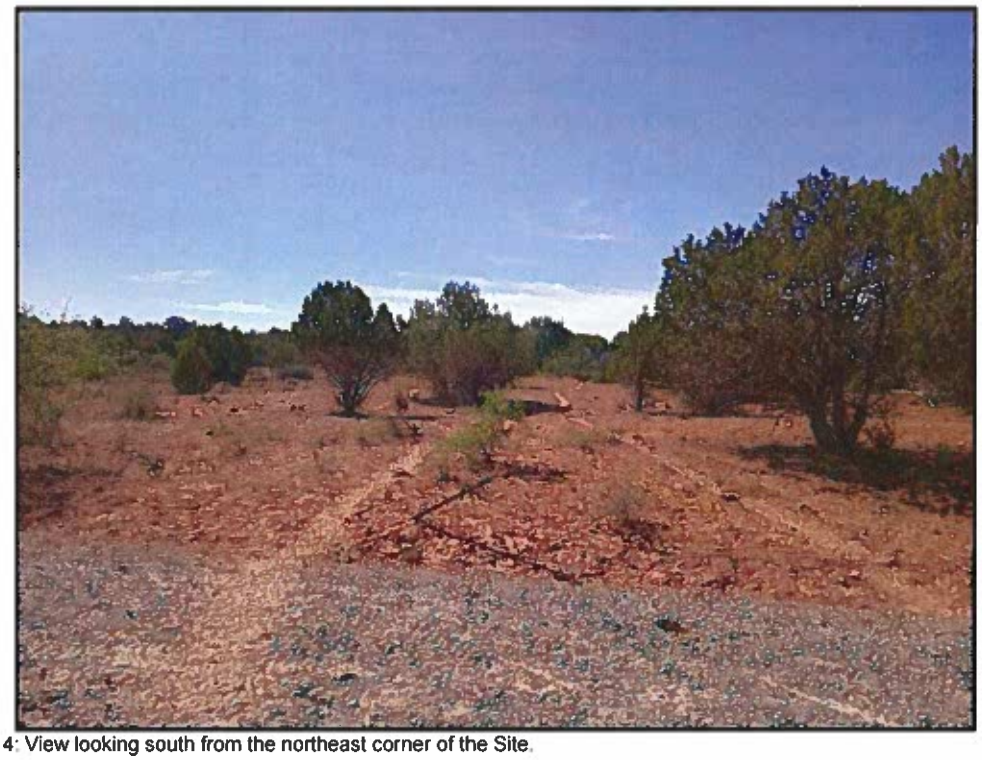
1: View looking north from southwest portion of the Site.



2: View looking southwest from the northeast corner of the Site. Gravel roads were present along the perimeter of the Site.



3: View looking west from the northeast corner of the Site.



4: View looking south from the northeast corner of the Site.



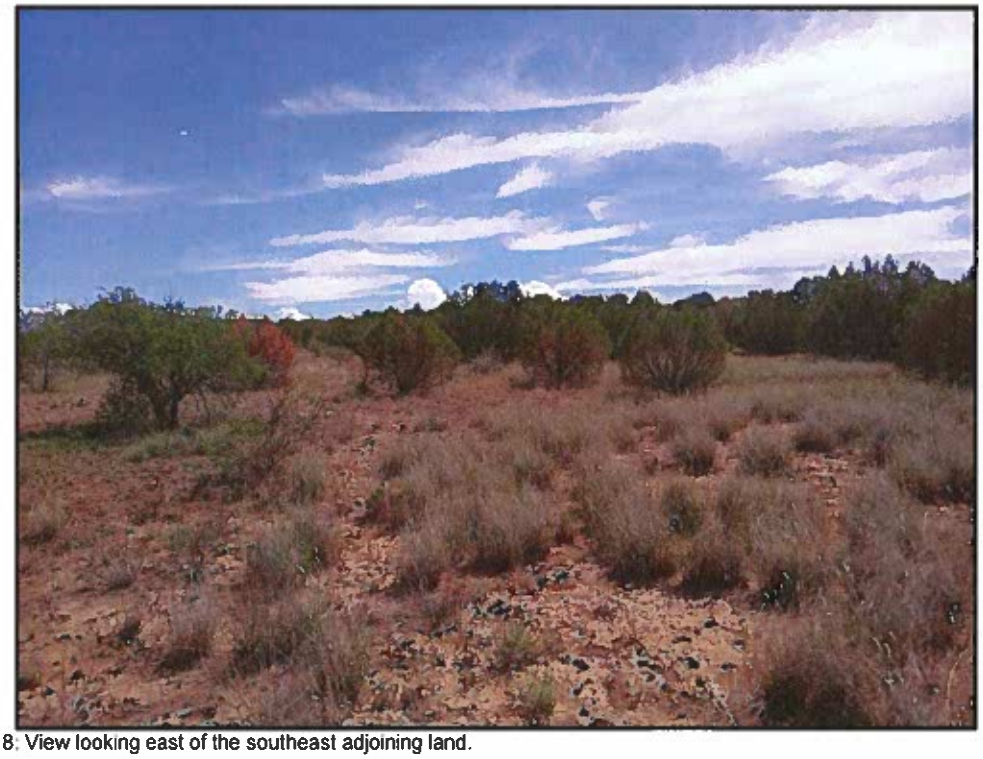
5: Northwest adjoining the site was a fenced well house and a transformer.



6: View looking north from the northeast portion of the Site. North adjoining is less vegetated.



7: South across Angel Valley Road was parking and restrooms.



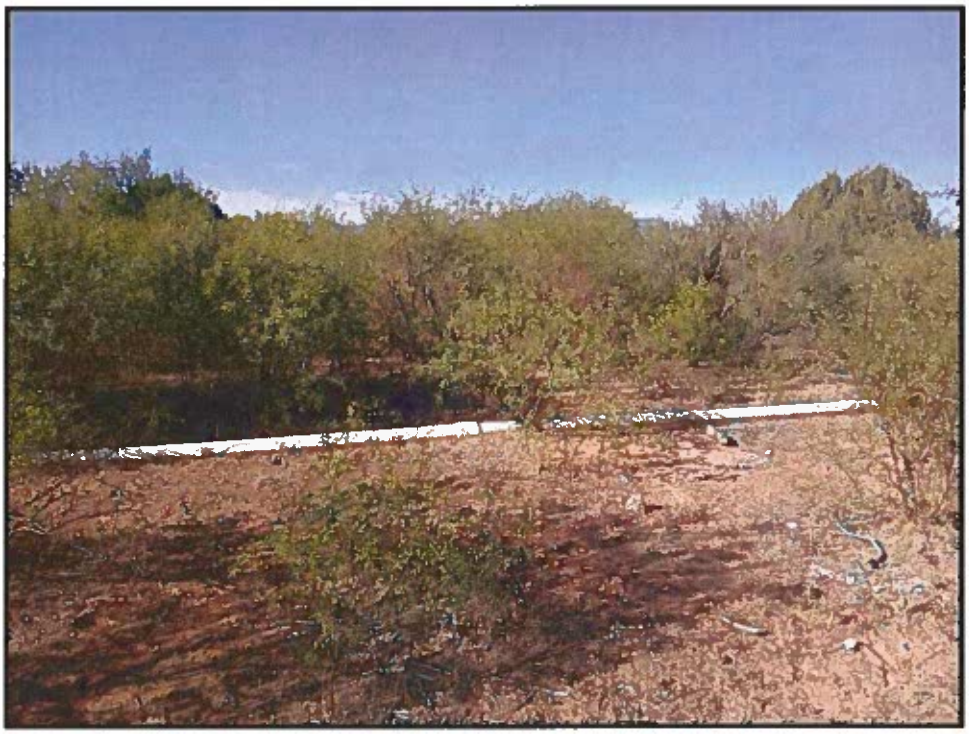
8: View looking east of the southeast adjoining land.



9: View looking west from east side of the Site at the soil sample S-11 location.



10: A view of ponding water and the soil sample S-5 location.



11: View of above-ground irrigation lines that transect the Site throughout.



12: View of thick vegetation and an irrigation spigot and sprinkler.



13: A City of Sedona water well located at the southwest corner of the Site

Appendix C -

Questionnaires

PHASE I ESA/AAI REQUIREMENTS

According to the All Appropriate Inquiry (AAI, 40 CFR 312) requirements and ASTM (E 1527-21) guidance on conducting Phase I Environmental Site Assessments, the "user" of the assessment must provide the following information, if available, to the environmental professional in order to qualify for Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Please check yes or no and provide any additional information you may have regarding the site. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 132.25).
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

☐ Yes ☑ No

If yes, please explain:

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).
Are you aware of any activity use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes ☑ No

If yes, please explain:

(3) Specialized knowledge or experience of the person/department requesting the Phase I ESA and seeking to qualify for the landowner liability protections (40 CFR 312.28).
As the user of this ESA, do you have any specialized knowledge or experience related to the property or adjoining properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☑ Yes ☐ No

If yes, please explain:

Wastewater operations. Knowledge of treatment process and effluent quality for spray irrigation

(4) Relationship of the purchase price to the fair market value of the property, if it were not contaminated (40 CFR 312.29).
Does the purchase price offered for this property reasonably reflect the fair market value of the property? If there is a difference between the purchase price and the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be at the property?

Please discuss:

Land is not currently for sale

(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,
(a) Do you know the past uses of the property?
(b) Do you know of specific chemicals that are present or once were present at the property?
(c) Do you know of spills or other chemical releases that have taken place at the property?
(d) Do you know of any environmental cleanups that have taken place or are ongoing at the property?

☑ Yes ☐ No

If yes, please explain: The property has been used for 30+ years to dispose of treated effluent via spray irrigation
Not aware of any spills or chemical releases that have taken place.

(6) The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☐ Yes ☑ No

If yes, please explain:

Roxanne Holland		11/4/25
Print Name	Signature	Date

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

Site Address City of Sedona - WWTP Parcel A4
MP 362.4 HWY 89A & FS89B

N&M Project 609020002

Owner Interview Name: Roxanne Holland **Date:** 11/4/25
Owner Interview Title: Director of Wastewater
Owner Interview Address: 7500 W. SR89A Sedona, AZ 86336 Mailing: 102 Roadrunner Dr. Sedona AZ 86336

Requested by: Jennifer Anderson, R.G., Senior Project Geologist, Ninyo & Moore

General Environmental

1) Describe the current uses of the site. How long has the site been used for these purposes?
Site is currently and has been used for disposal of treated effluent since 1993. Effluent is applied to the land via spray irrigation.

2) Describe any structures previously present at the site that are no longer present, and their past usage/occupants and date of removal.
There are no structures and am not aware of any previous structure

3) When were the current structures constructed, if known?
N/A

4) What is the historical land use of the site? Describe the past uses, owners, and operators of the site. (Be as detailed as possible and note approximate time periods, if known.)
Previous land owners were developers that had plans for a subdivision, which was never built. Land was vacant with no uses until 1993 when Sedona Wastewater Reclamation Plant was constructed. From 1993-2012 effluent irrigated was B+ and from 2012 to present effluent is A+

5) Are there currently, or were there previously any underground storage tanks (USTs) at the site? If so, please describe their capacities and contents. No

6) Have all USTs been removed from the site? If so, when? N/A

7) Was associated underground piping associated with the USTs removed? N/A

8) Was soil and/or groundwater sampling conducted at the time of UST removal? If so, please describe.
N/A

9) Are you aware of any environmental issues associated with the site or of potential soil and/or groundwater contamination? Our APP permit requires quarterly testing of groundwater through monitoring wells.
[ ] Yes [✓] No

10) Have fill soils been brought to the property?

[ ] Yes [ ] No [✓] Unknown

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

11) Has there been storage of hazardous materials or wastes on the property?

[ ] Yes [✓] No [ ] Unknown

12) Have any of the following items been stored on the site in containers greater than 5 gallons?

Paint	[ ] Yes	[✓] No	[ ] Unknown
Chemicals	[ ] Yes	[✓] No	[ ] Unknown
Pesticides/Herbicides	[ ] Yes	[✓] No	[ ] Unknown
Automotive-Related Oils/Fuels	[ ] Yes	[✓] No	[ ] Unknown

13) Have there been any spills or releases of chemicals, hazardous substances, or wastes on the property?

[ ] Yes [✓] No [ ] Unknown

14) Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped aboveground, buried, or burned on the site?

[ ] Yes [✓] No [ ] Unknown

15) Is the site hooked up to a municipal sanitary sewer system or is there a septic tank/system?

[ ] Sanitary Sewer [ ] Septic Neither

16) Are/were there any subsurface wastewater features, such as sumps, clarifiers, discharge systems, at the site?

[✓] Yes [ ] No [ ] Unknown Treated effluent discharge

17) Does the site discharge wastewater, other than domestic wastewater or storm water, into the sewer or onto another property?

[ ] Yes [✓] No [ ] Unknown

18) Other than permission for domestic hookup, have any city, county, or other permits for wastewater discharge been issued to the site?

[ ] Yes [✓] No [ ] Unknown

19) Is there a transformer, capacitor, or other equipment that may contain PCBs on the site?

[ ] Yes [ ] No [✓] Unknown There is 1 transformer

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

20) Other than small quantities of legal pesticides used for landscape maintenance (e.g., Roundup), have pesticides, herbicides, or insecticides been applied on the site?

[ ] Yes [✓] No [ ] Unknown

21) Are/were there any wells on the site (e.g., water supply wells, groundwater monitoring wells, etc.)

[✓] Yes [ ] No [ ] Unknown 2 groundwater monitoring wells

22) Are there currently, or were there previously, any pits, ponds, or lagoons on the site?

[ ] Yes [✓] No [ ] Unknown

23) Are there currently, or were there previously, areas on the site with stained soil?

[ ] Yes [✓] No [ ] Unknown

24) To your knowledge, have adjoining properties been used for industrial activities, such the following? (Please note that an adjoining property is a property that is contiguous with, or directly across the street from the site.)

Gasoline Station	[ ] Yes	[✓] No	[ ] Unknown
Printing Facility	[ ] Yes	[✓] No	[ ] Unknown
Metal Plating/Manufacturing	[ ] Yes	[✓] No	[ ] Unknown
Landfill	[ ] Yes	[✓] No	[ ] Unknown
Auto Repair Facility	[ ] Yes	[✓] No	[ ] Unknown
Dry Cleaners	[ ] Yes	[✓] No	[ ] Unknown
Junkyard	[ ] Yes	[✓] No	[ ] Unknown
Waste or Wastewater Treatment	[✓] Yes	[ ] No	[ ] Unknown
Storage, Disposal, or Recycling Facility	[ ] Yes	[✓] No	[ ] Unknown

25) Are there any known issues related to spills/contamination with adjoining or nearby properties?

[ ] Yes [✓] No [ ] Unknown

26) Are you aware of any previously prepared documentation for the site, such as:

- environmental sampling, compliance audit, or assessment reports
- environmental permits
- registrations for aboveground or underground storage tanks
- registrations for underground injections systems ✓
- material safety data sheets (MSDS)
- community right-to-know plans,
- safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans ✓
- geotechnical or hydrogeologic reports ✓
- storm water documents
- risk assessments
- hazardous waste generator notices?

If so, are they available for review? Yes

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

27) Are you aware of any environmental cleanup liens or activity and use limitations such as engineering controls, land use or deed restrictions or institutional controls associated with the site that are filed or recorded under federal, tribal, state, or local law?

[ ] Yes [✓] No

28) Are you aware of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?

[ ] Yes [✓] No

29) Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

[ ] Yes [✓] No

Roxanne Holland
NAME (IN PRINT)

11/4/25
DATE

SIGNATURE

[ ] Owner [✓] Owner Representative [ ] Occupant [ ] Other:

***When complete, return questionnaire via email, fax, and/or mail to the following:**

Ms. Jennifer Anderson
Ninyo and Moore
3202 East Harbour Drive
Phoenix, Arizona 85034
janderson@ninyoandmoore.com
Office: (602) 243-1600 ext. 16240

Appendix D -

Historical Information

200 Acres of Land
State Rout 89A and Forest Service Road 89B
Sedona, AZ 86336

Inquiry Number: 8113579.3
September 18, 2025

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/18/25

Site Name:	Client Name:
200 Acres of Land State Rout 89A and Forest Ser Sedona, AZ 86336 EDR Inquiry # 8113579.3	Ninyo & Moore 3202 E. Harbour Drive Phoenix, AZ 85034 Contact: Jennifer Anderson

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 58EC-473A-84DC

PO # NA

Project 609020002

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 58EC-473A-84DC

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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200 Acres of Land
State Rout 89A and Forest Service Road 89B
Sedona, AZ 86336

Inquiry Number: 8113579.4
September 18, 2025

EDR Historical Topo Map Report
with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/18/25

Site Name:	Client Name:
200 Acres of Land	Ninyo & Moore
State Rout 89A and Forest Ser	3202 E. Harbour Drive
Sedona, AZ 86336	Phoenix, AZ 85034
EDR Inquiry # 8113579.4	Contact: Jennifer Anderson

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: 609020002

Coordinates:

Latitude:	34.821084 34° 49' 16" North
Longitude:	-111.895712 -111° 53' 45" West
UTM Zone:	Zone 12 North
UTM X Meters:	418086.12
UTM Y Meters:	3853567.88
Elevation:	4025.69' above sea level

Maps Provided:

2021
2018
2014
1969
1936
1932
1923

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2021 Source Sheets



Page Springs
2021
7.5-minute, 24000



Sedona
2021
7.5-minute, 24000

2018 Source Sheets



Page Springs
2018
7.5-minute, 24000



Sedona
2018
7.5-minute, 24000

2014 Source Sheets



Page Springs
2014
7.5-minute, 24000



Sedona
2014
7.5-minute, 24000

1969 Source Sheets



Page Springs
1969
7.5-minute, 24000
Aerial Photo Revised 1962



Sedona
1969
7.5-minute, 24000
Aerial Photo Revised 1962

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1936 Source Sheets



Camp Verde
1936
30-minute, 125000

1932 Source Sheets



Camp Verde
1932
30-minute, 125000

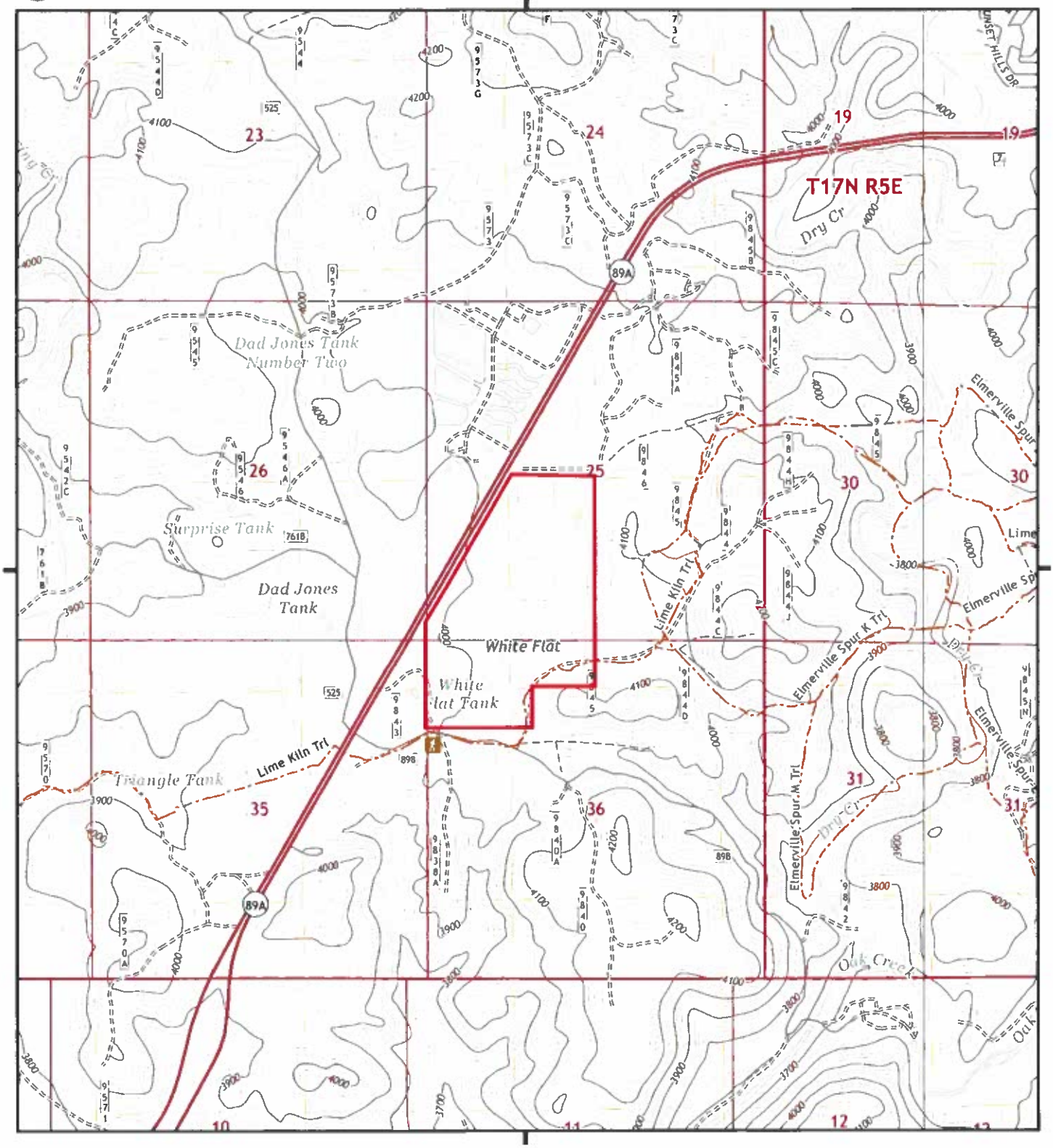
1923 Source Sheets



Camp Verde
1923
30-minute, 125000

Historical Topo Map

2021



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

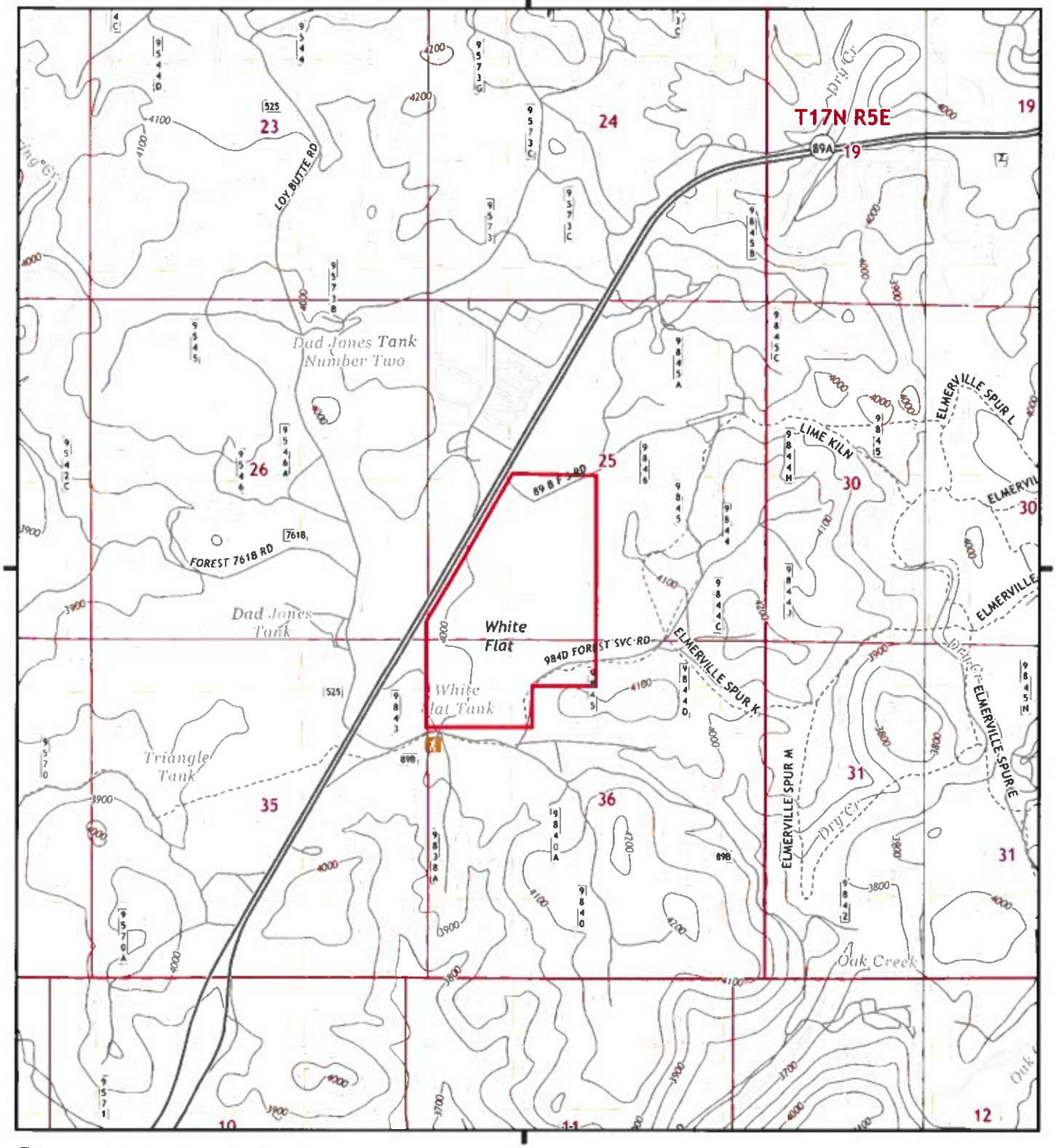
TP, Page Springs, 2021, 7.5-minute
E, Sedona, 2021, 7.5-minute

SITE NAME: 200 Acres of Land
ADDRESS: State Rout 89A and Forest Service Road
Sedona, AZ 86336
CLIENT: Ninyo & Moore

N

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Page Springs, 2018, 7.5-minute
E, Sedona, 2018, 7.5-minute

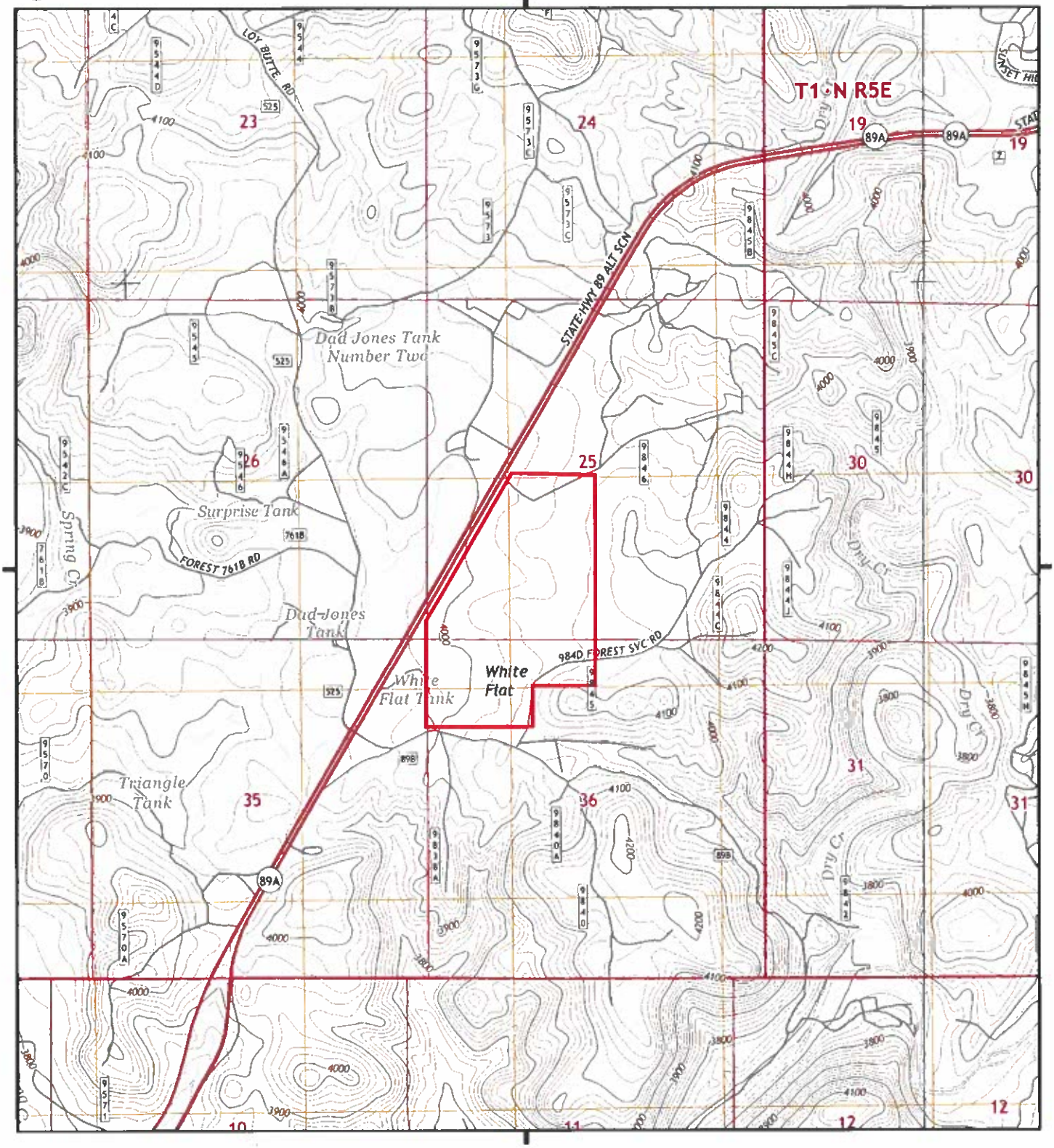
SITE NAME: 200 Acres of Land
ADDRESS: State Rout 89A and Forest Service Road
Sedona, AZ 86336
CLIENT: Ninyo & Moore

N

EDR

Historical Topo Map

2014



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

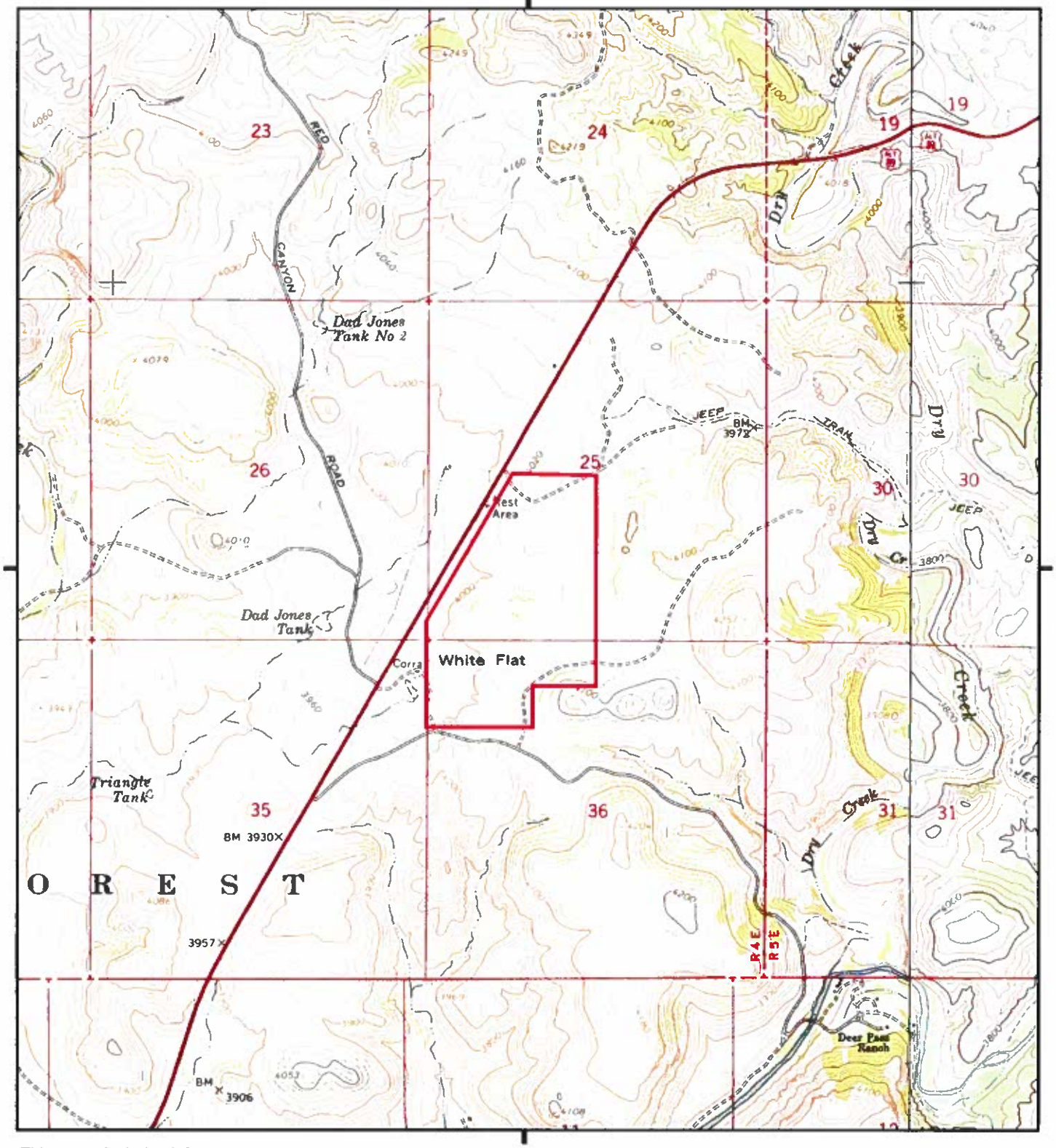
TP, Page Springs, 2014, 7.5-minute
E, Sedona, 2014, 7.5-minute

SITE NAME: 200 Acres of Land
ADDRESS: State Rout 89A and Forest Service Road
Sedona, AZ 86336
CLIENT: Ninyo & Moore

N

Historical Topo Map

1969



This report includes information from the following map sheet(s).

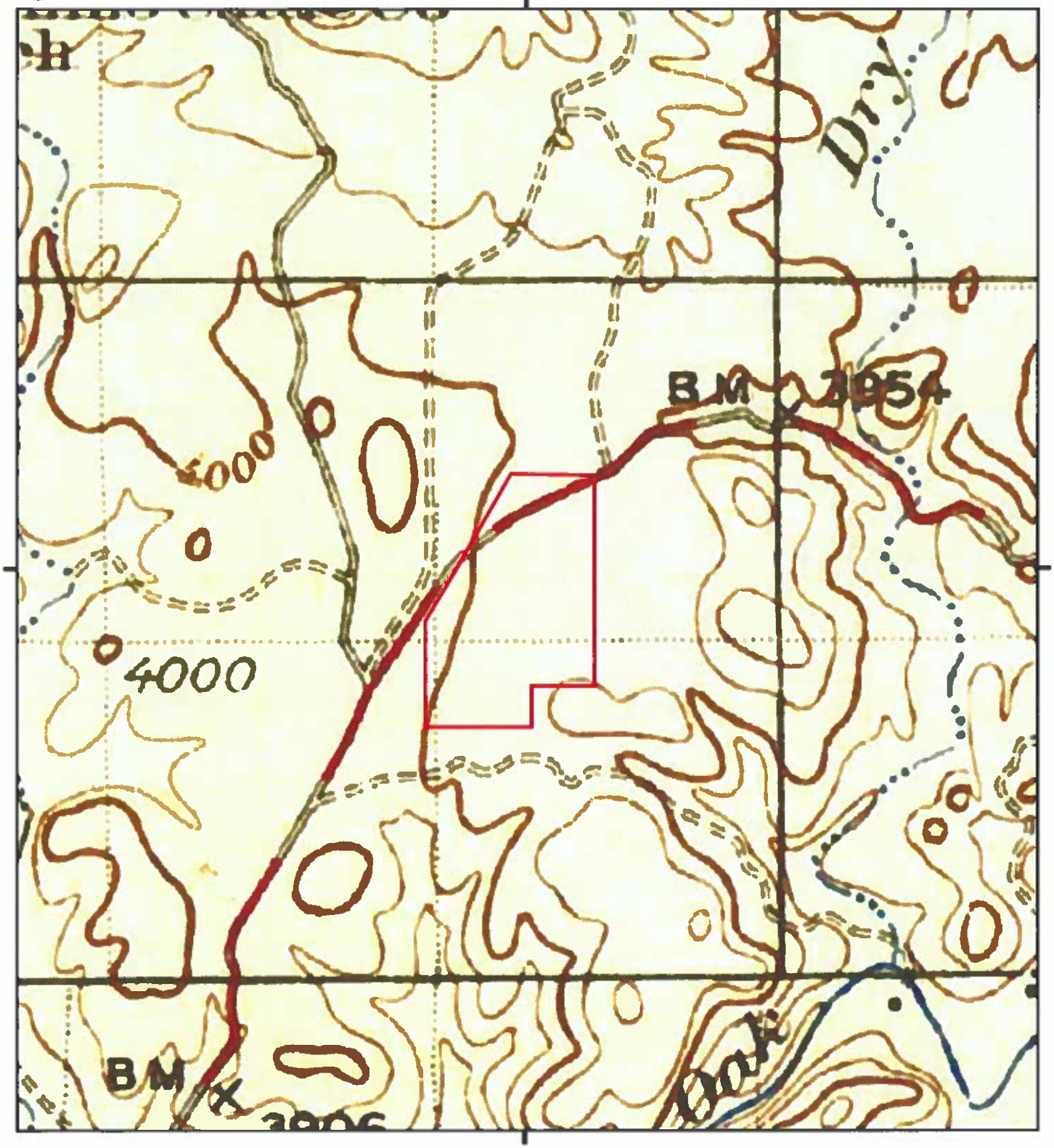
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Page Springs, 1969, 7.5-minute
E, Sedona, 1969, 7.5-minute

SITE NAME: 200 Acres of Land
ADDRESS: State Rout 89A and Forest Service Road
Sedona, AZ 86336
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

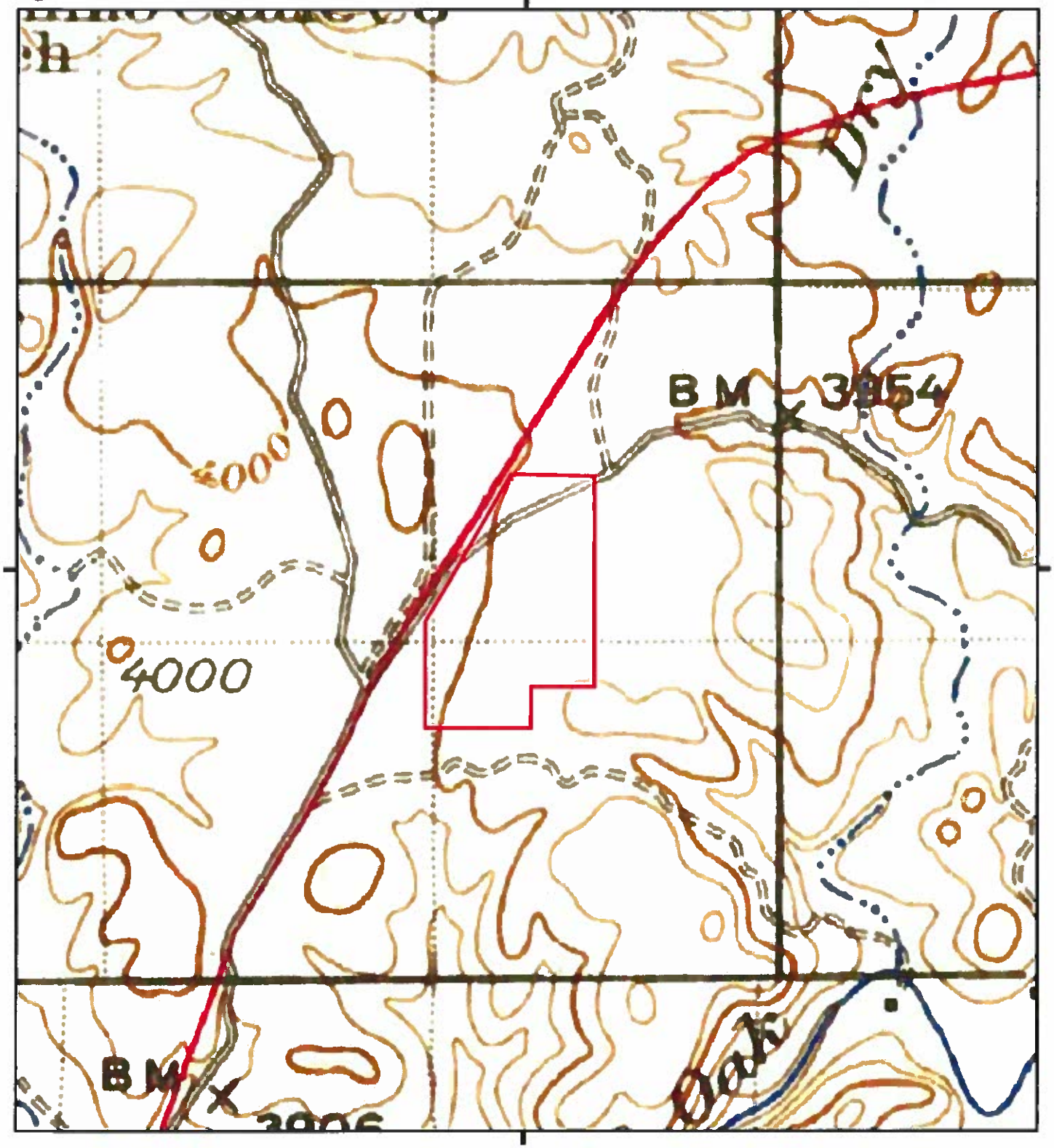
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Camp Verde, 1936, 30-minute

SITE NAME: 200 Acres of Land
ADDRESS: State Rout 89A and Forest Service Road
Sedona, AZ 86336
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

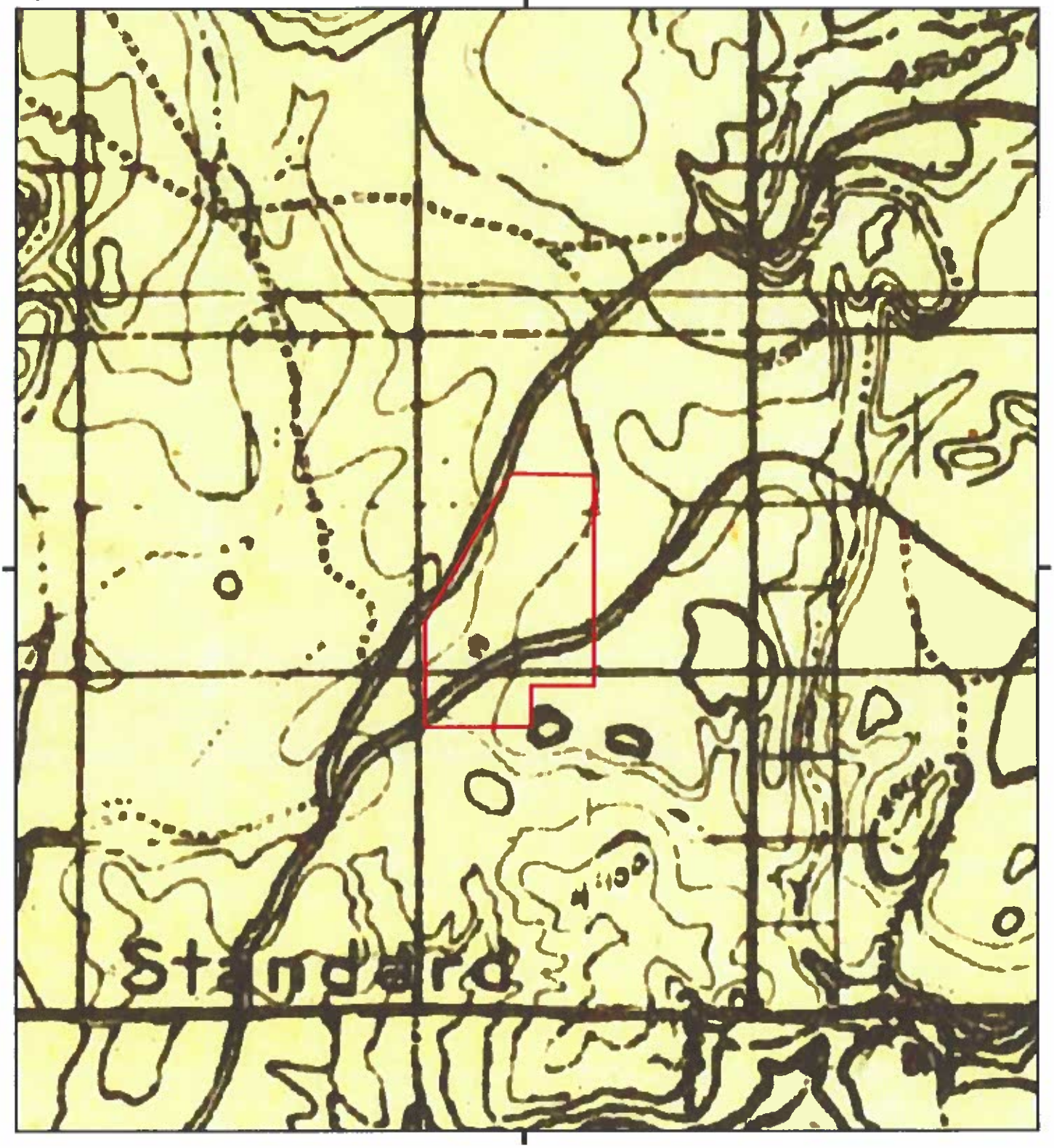
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Camp Verde, 1932, 30-minute

SITE NAME: 200 Acres of Land
ADDRESS: State Rout 89A and Forest Service Road
Sedona, AZ 86336
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Camp Verde, 1923, 30-minute

SITE NAME: 200 Acres of Land
ADDRESS: State Rout 89A and Forest Service Road
Sedona, AZ 86336
CLIENT: Ninyo & Moore

N

200 Acres of Land

State Rout 89A and Forest Service Road 89B

Sedona, AZ 86336

Inquiry Number: 8113579.8

September 19, 2025

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/19/25

Site Name:

200 Acres of Land
State Rout 89A and Forest Ser
Sedona, AZ 86336
EDR Inquiry # 8113579.8

Client Name:

Ninyo & Moore
3202 E. Harbour Drive
Phoenix, AZ 85034
Contact: Jennifer Anderson

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Search Results:

Year	*Scale*	*Details*	*Source*
2023	1"=625'	Flight Year: 2023	USDA/NAIP
2019	1"=625'	Flight Year: 2019	USDA/NAIP
2015	1"=625'	Flight Year: 2015	USDA/NAIP
2010	1"=625'	Flight Year: 2010	USDA/NAIP
2007	1"=625'	Flight Year: 2007	USDA/NAIP
2003	1"=625'	Flight Year: 2003	USGS/DOQQ
1997	1"=625'	Flight Year: 1997	USGS/DOQQ
1992	1"=625'	Flight Year: 1992	USGS/DOQQ
1980	1"=625'	Flight Date: June 13, 1980	USDA
1971	1"=625'	Flight Date: July 01, 1971	USGS
1953	1"=625'	Flight Date: November 19, 1953	USGS

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INQUIRY #: 8113579.8
YEAR: 2023
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 2019
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 2015
= 625'
N
EDR

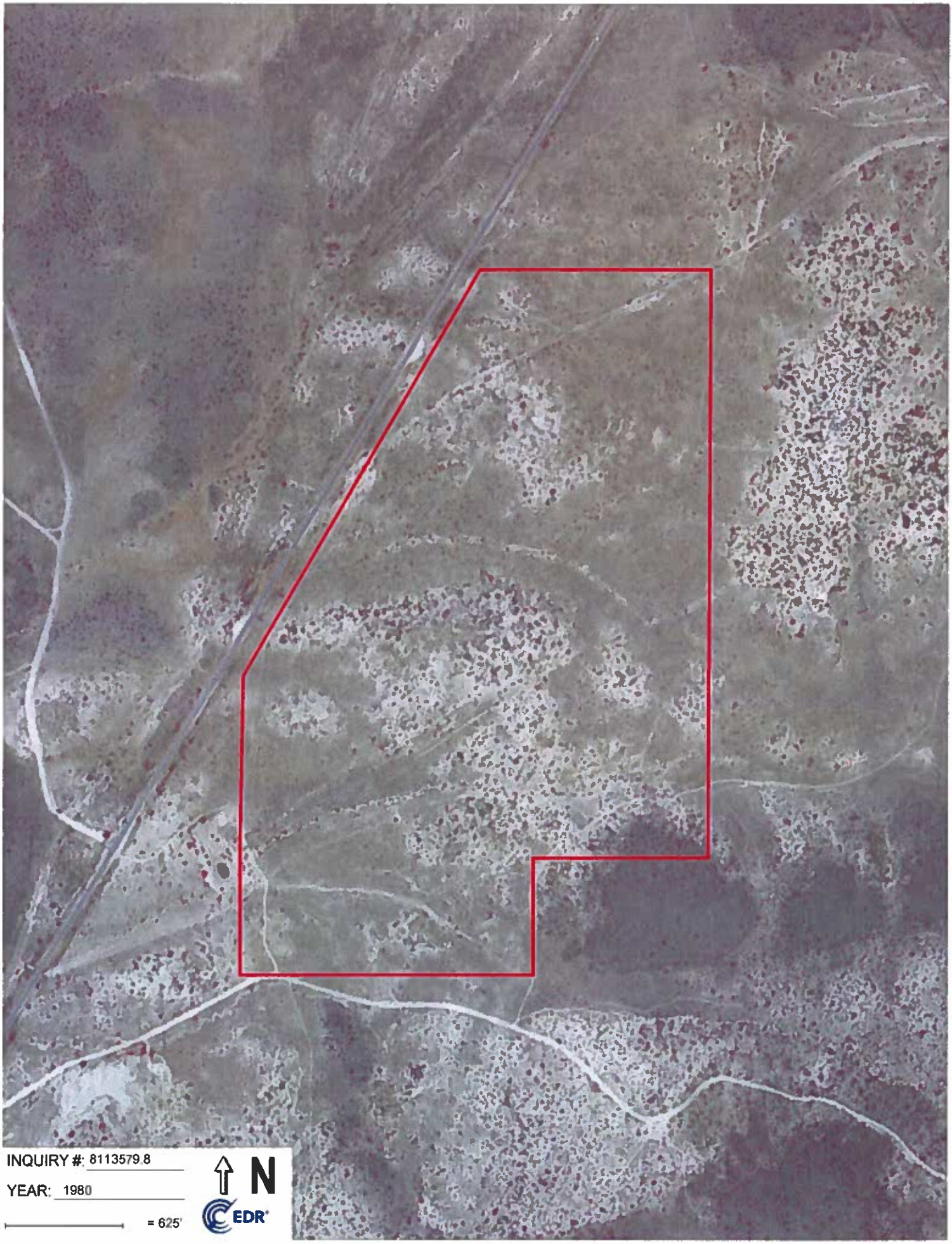

INQUIRY #: 8113579.8
YEAR: 2010
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 2007
= 625'
N
EDR

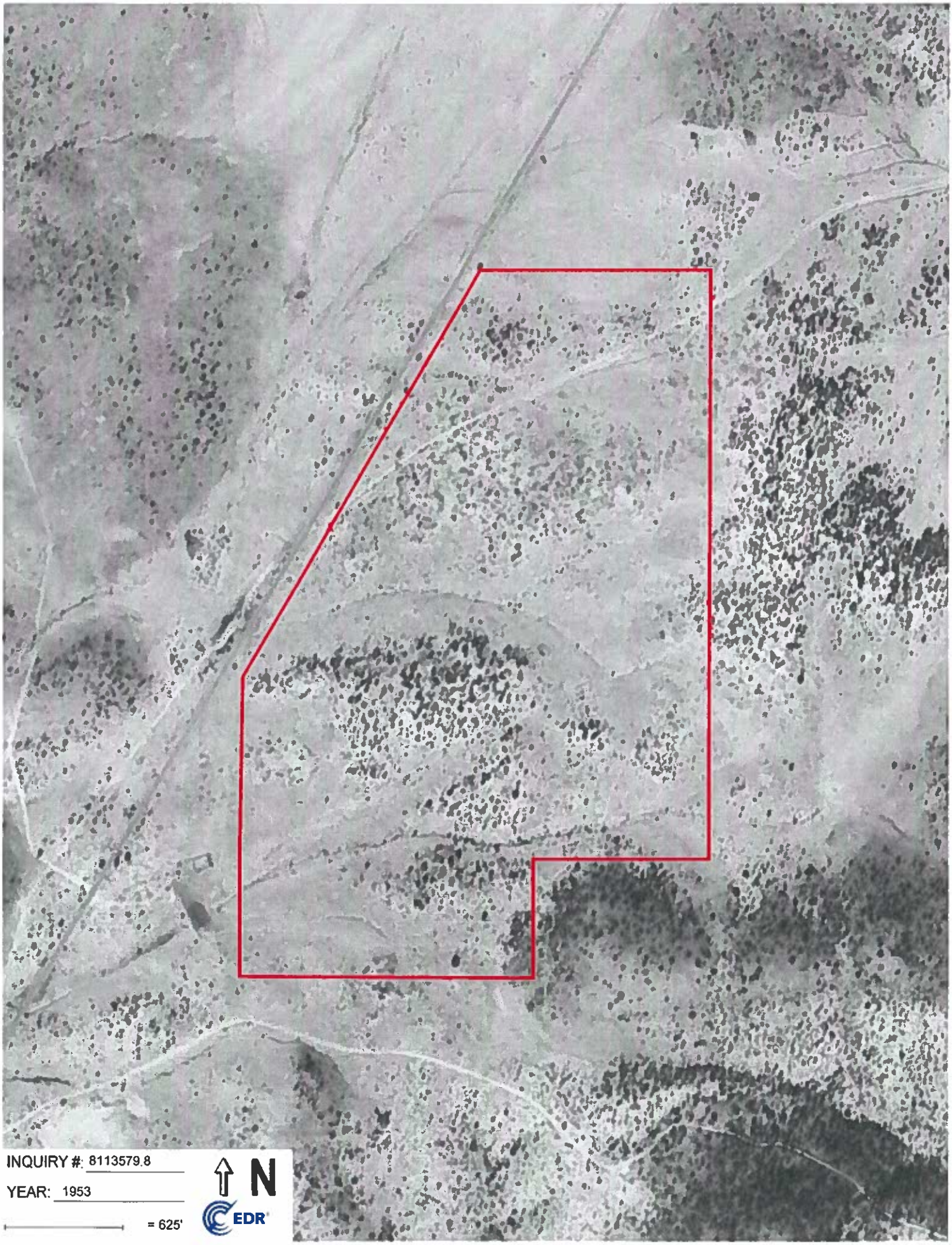

INQUIRY #: 8113579.8
YEAR: 2003
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 1997
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 1992
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 1980
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 1971
= 625'
N
EDR


INQUIRY #: 8113579.8
YEAR: 1953
= 625'
N
EDR

200 Acres of Land
State Rout 89A and Forest Service Road 89B
Sedona, AZ 86336

Inquiry Number: 8113579.5
September 23, 2025

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2022	☑	☐	EDR Digital Archive
2017	☑	☐	Cole Information
2014	☑	☐	Cole Information
2010	☑	☐	Cole Information
2005	☑	☐	Cole Information
2000	☑	☐	Cole Information
1995	☑	☐	Cole Information
1992	☑	☐	Cole Information

FINDINGS

TARGET PROPERTY STREET

State Rout 89A and Forest Service Road 89B
Sedona, AZ 86336

Year	CD Image	Source	
FOREST SVC RD 89B			
2022	-	EDR Digital Archive	Street not listed in Source
2017	-	Cole Information	Street not listed in Source
2014	-	Cole Information	Street not listed in Source
2010	-	Cole Information	Street not listed in Source
2005	-	Cole Information	Street not listed in Source
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source
HIGHWAY 89A W			
1992	pg A20	Cole Information	
W HIGHWAY 89A			
2005	pg A14	Cole Information	
2000	pg A17	Cole Information	
W STATE ROUTE 89A			
2022	pg A2	EDR Digital Archive	
2017	pg A7	Cole Information	
2014	pg A8	Cole Information	
2010	pg A11	Cole Information	
W US HIGHWAY 89A			
1995	pg A19	Cole Information	

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W STATE ROUTE 89A 2022

4105	COURTYARD SEDONA
	DAWN LORENZO
	MARRIOTT INTERNATIONAL
6701	BELLA VITA RISTORANTE
	GREG PENROD
	HENRI MAJEM
	KAYE DUVAN
	SEDONA PINES LLC
	SEDONA PINES RESORT
6770	ALEXANDRIA AUSTIN
	ALLEN FERRO
	ANDREA MIKANA
	ANDREW HAGERMAN
	ANN HORNER
	ANNA MONTAGUE
	ANNE HOLLEMAN
	ARLEETA BERTOLDI
	ARTHUR NORRIS
	ARTURO RODRIGUEZ
	BARBARA BOSWELL
	BARBARA HAGERMAN
	BARBARA MARAVIOV
	BARBARA MCCARTY
	BARBARA PORTER
	BEN BASS
	BETH FROST-DARDEN
	BETTE HOPKINS
	BEVERLY LEHNHARDT
	BILL PURYEAR
	BRIAN KUGLER
	BROOKE GALLAGER
	CAMERON MOEZZI
	CARL ROSS
	CARLA NUTE
	CAROL ANDOE
	CAROL KAZMIERCZAK
	CAROLYN FORD
	CHARLES BECKMAN
	CHARLES BIEHN
	CHARLES CAPLAN
	CHERYL KELLOGG
	CHESTER MILES
	CHOOSE AGAIN COMMUNICATION
	CHRIS ZIMMERMAN
	CLIFT HICKEY
	CLINT FOWLER
	COLEEN BAXTER
	CRYSTAL HEART HEALING LLC
	CYNTHIA ANDERSON
	CYNTHIA WYNN

6770 DANA BIEHN
DANIEL HOPENGARTEN
DARLA BARRETT
DARLENE VOOSEN
DAVID ECKSTEIN
DEANNA BRATTON
DEBORAH COUTURE
DEBORAH RUSHER
DEBRA MOSS
DENNIS ROCKENBACH
DENNIS SMITH
DIANA BUCK
DIANE MIKULOVSKY
DIANE MILES
DIANNE BRITTON
DONALD QUALLS
DONNA LOVERRO
DONNA ROSS
DOUGLAS WHITNEY
DYLAN MCCARTY
ELAINE JACKSON
ELEANOR WOODBECK
ELIZABETH RUDOLPH
ELLEN BROOKS
ERNEST SEARS
FAITH GALLUCCI
FRANK LOVERRO
FRED SHIPMAN
GAIL GUNTERMANN
GAIL JACOBSEN
GALEN GRAY
GAYLE STEINMANN
GEORGE GROBLEBE
GEORGE WELLS
GERARD MILES
GILLIAN EVANS
GREGORY KAZMIERCZAK
GUY SCHMICKLE
HEATHER FERRARA
HEATHER WILLIAMS
HELEN MOSCHELLA
HIGH DESERT HYPNOTHERAPY
INSPECTOR JOE HOME INSPECTIONS
JAMES FERRARA
JAMES LIEURANCE
JAMIE JONDAHL
JAMIE ZIMMERMAN
JANA SKINNER
JANET DECHIARO
JANETTE WHITE

6770	JEAN CRAWFORD
	JEAN GOVERNILE
	JEANNE GALLICK
	JEFF HORNER
	JEFF SKELLEY
	JENNIE BOWMAN
	JEROME THAILING
	JERRY BRUCE
	JESSE SMITH
	JILL SUYDAM
	JOAN NEMETH
	JOAN STAHL
	JOANNA RIZZO
	JODI CORWIN
	JOE MARKIEWICZ
	JOHN FACCONE
	JOHN KELLAMS
	JOHN MEYERS
	JOSEPH KRAMER
	JOSEPH LAZAZZERA
	JOSEPH ROBINSON
	JOY MUSACCHIO
	JOYCE MOORE
	JUDITH RYAN
	JUDY CARPENTER
	JUDY JENSEN
	JULIA DEGRAF
	JULIE A HARDESTY PLC
	JULIE DOTSON
	JUSTIN PURYEAR
	KATHLEEN JACKSON
	KATHY SEARS
	KAY KARANDANIS
	KAY ROBERTS
	KELLI ERICKSON
	KENNETH MCCARTY
	KENNETH ROWE
	KYLE MCCARTY
	LAURA DARDEN
	LAURINE MCCARTY
	LEA DARWIN
	LEON HAGERMAN
	LIDIA DODGE
	LINDA CHECHAR
	LINDA GOLDBERG
	LINDA KREITZ
	LINDA KRUMRIE
	LINDA MAXWELL
	LISA MORGAN
	LISA ROADARMEL

W STATE ROUTE 89A 2022 (Cont'd)

6770 LISA SMITH
LOA KAZMIERCZAK
LORI EAGAN
LORI SMISKOL
LORI STROUT
LORRAINE GRAY
LUCILLE RICCIO
LYDIA WOWK
LYNDA CANNON
LYNNE SIEBRANDT
MARCHIENE RIENSTRA
MARGARET VALLENARI
MARGUERITE YOUNG
MARION CARCONE
MARTHA SKELLEY
MARTIN DARDEN
MARY NOEL
MATTHEW DARDEN
MAUREEN KELLEHER
MICHAEL ANDERSON
MICHAEL RUSHER
MICHAEL TEEPLE
MICHELLE HUGHES
MICHELLE LUCAS
MIKO COOK
MONICA ROWE
NANCY HARKINS
NELLIE TAYLOR
NICHOLAS SEARS
NICOLE MILLER
NITA SANDY
NORMAN WOLFROM
PALISADIAN PRESS LLC
PAMELA TOFFEY
PATRICIA DALLAS
PATRICIA GRAY
PATRICIA GRUBB
PATRICIA JARVIS
PATRICIA MCCARTY
PATRICIA MONTELEONE
PATRICIA PFEIFER
PATRICIA SMITH
PATRICIA TORRES
PATRICK KOLLEY
PATSY COOK
PAUL SEARS
PENNY GILBERT
PHILIP BERTOLDI
PHILIP BROCKERT
PRISCILLA SCHRENK

W STATE ROUTE 89A 2022 (Cont'd)

6770 RAND KNIGHT
RANDY DOUGHERTY
RIC QUAYLE
RICHARD BAKER
RICHARD COPELAND
RICHARD HALL
RICHARD KEIPERT
RICHARD MAXWELL
RICHARD SHOEMAKER
RICK ANDERSON
RICKEY BASS
ROBERT BILICKI
ROBERT HOGUE
ROBERT RUSSELL
RON JOHNSON
RONALD DIAMOND
RONALD OTTO
RONALD RICHMOND
RONALD ROBERTS
RUSSELL BASS
SABINE BECK
SAMANTHA MARSHALL
SANDRA BUNTELY
SANDY BUNTLEY
SARAH OTTERBEIN
SEDONA SHADOWS
SHAYLA PURYEAR
SHERRI KINGSLEY
STEVE HENSYEL
SUSAN BROCKERT
SUSAN BUCK
SUSAN SHOEMAKER
SUZANNE ROLOFF
TAMI SCHMICKLE
TAMMY OTTO
THE L FLICK FAMILY LLC
THERESA SORNBERGER
THOMAS QUAYLE
TIFFANEY COOPER
TIMOTHY BURNS
TIMOTHY STUETZ
VICTORIA HERRERA
VIRGINIA KRAMER
WAYNE SMITH
WILLIAM MCBAIN
WILLIAM WATKINS
WILS ROGERS
ZACHARY SEARS

Target Street	Cross Street	Source
✓	-	Cole Information

W STATE ROUTE 89A 2017

4105	COURTYARD SEDONA
6701	BELLA VITA RISTORANTE
6770	INSPECTOR JOE HOME INSPECTIONS
	SEDONA SHADOWS

Target Street	Cross Street	Source
✓	-	Cole Information

W STATE ROUTE 89A 2014

6701	SEDONA PINES BISTRO
	SEDONA PINES RESORT
6767	KOPP, VONNIE
6770	ACHEATEL, JUDITH C
	AMBROSE, W M
	ASK, MARILYN J
	BAKER, RICHARD G
	BANGHART, HEIDI
	BARRETT, DARLA L
	BAUDAT, M
	BAUDAT, MICHAEL R
	BAXTER, COLEEN
	BOSWELL, BARBARA J
	BURKHART, JOHN
	BUSSEY, ROBERT P
	CALDWELL, JULIE S
	CAMPBELL, CHERIE H
	CIRE, RICHARD C
	CLINE, ROBERT L
	COLAROSSI, THOMAS
	COOK, MIKE D
	COOPER, CECILE C
	CORBISELLO, BETTY T
	COUTURE, DEBORAH K
	CRANSTOUN, ARTHUR M
	DANIELS, CLAIRE
	DEJONG, DAVID M
	DOUDNA, GLADYS M
	DUBOISE, JANICE L
	ECKSTEIN, DAVID
	EDIN, GREG
	EDWARDS, JOHN
	ELLISON, STPHEN L
	ERICKSON, KELLI M
	FOSNIGHT, SHARON
	FRANKEL, DOROTHY N
	FREE, MICKI
	GALLUCCI, FAITH J
	GIBSON, ALLEN J
	GILBERT, PENNY J
	GORE, THOMAS M
	GRAY, GALEN C
	GREENE, CAROL H
	GREENWOOD, DONALD C
	GUNTERMANN, GAIL G
	HALL, RICHARD H
	HANSON, CHARLES F
	HARDING, DIANA
	HARPER ANTHONY REALTY
	HARVEY, WILLIAM D

6770 HASSEN, GARY J
HERVATIN, GILBERT F
HOLLIS, DAVID W
HOUCK, FRANK W
HOWISEY, MARILYN L
HUELSMEIER, ECKHARD L
IGOE, LORRAINE E
IMUS, WARREN H
INSPECTOR JOE HOME INSPECTIONS
JISVALL, ANNIKA
JOHANSEN, BETSIE M
JONES, IRENE A
KENNEDY, GAIL M
KING, MARIE B
KNAPP, CAROL A
KOLLEY, PAT L
KRAMER, JOSEPH J
KUGLER, LINDSAY
LANDE, CHARLES K
LAUREN, CYNDY K
LIEURANCE, JAMES M
LIVINGSTON, RITA
MALCOLM, THOMAS G
MAXWELL, RICHARD A
MCCAULEY, ANNA M
MCDONALD, CAROLE
MEYER, KERRY
MOLLNER, EARLENE
MONTELEONE, PATRICIA A
MOREDICH, DENNIS D
MOROS, JOHN
NAEGLE, SARAH J
NAKASHIMA, CHIZUKO N
NELSON, ERIC O
NICHOLS, DANIEL
NORRIS, ARTHUR D
NORTHUP, ARDELLE J
OTOOLE, LOIS E
OTTERBEIN, SARAH K
PATERNA, JOHN J
PATTERSON, STEPHEN D
PELPHREY, KAREN J
PFEIFER, PATRICIA L
PIAZZA, SALLY M
PINKHAM, MARK T
POOLE, ART P
PORTER, SCOTT
POULSEN, SARAH
PULS, BECKY
QUAYLE, RIC

Target Street	Cross Street	Source
✓	-	Cole Information

W STATE ROUTE 89A 2014 (Cont'd)

6770
RAAB, CHERYL L
RICCIO, LUCILLE
ROGERS, PHIL J
ROMAYO, WINIFRED J
RYDER, BAYARD P
SANDY, GRAYSON M
SARSON, JOHN L
SCHMICKLE, GU A
SEDONA SHADOWS
SEVERSON, DONALD M
SHAKESPEARE, AMANDA
SHARP, VICKY L
SHIPMAN, FRED E
SHOEMAKER, RICHARD P
SIEBRANDT, M L
SKEME, MARY E
SMITH, LORETTA E
SPENCER, NIKKI J
STAHL, RALPH
SUMMERS, HARRY
SUYDAM, JILL K
SWEENY, MICHAEL E
SWEET, JOSEPH B
SWENT, JANINE A
TEEPLE, MICHAEL J
THAILING, JEROME J
THOMAS, KAREN
TORRES, PATRICIA D
TRUSCOTT, JOHN
VALLENARI, MARGARET E
VANDYNE, KATHRYN V
WEISE, CARL W
WHITE, JANETTE A
WINTER, DALE T
WOLF, DON
WOLFROM, MARK
WOODBECK, ELEANOR E
WOWK, LYDIA
YOUNG, RICHARD

Target Street	Cross Street	Source
✓	-	Cole Information

W STATE ROUTE 89A 2010

6701	SEDONA MOTION PICTURE MUSEUM
	SEDONA PINES RESORT
6770	ALBRIGHT, JANET M
	BAKER, DOROTHY G
	BILICKI, DAVID M
	BILLINGSLEY, PHILLIP L
	BOWLES, DEAMA S
	BUBENHEIM, PEARL A
	BUNTLEY, DARYL E
	BURKHART, JOHN H
	CALDWELL, JULIE S
	CANNISTRACI, SANDY
	CARPENTER, JUDY A
	CIRE, RICHARD C
	CLINE, ROBERT L
	COLAROSSI, THOMAS
	COLE, PRISILLA
	COOPER, CECILE C
	CORBISELLO, BETTY T
	CSIK, SUSIE
	DEJONG, DAVID L
	DEVOY, DESMOND S
	DRAHEIM, CARL E
	DREIZLER, ROBERT B
	DUCKWORTH, EVELYN G
	DUNWELL, FANCES G
	ECKSTEIN, DAVID
	EDWARDS, JOHN R
	ERICKSON, KELLI M
	FARRINGTON, CATHLEEN C
	FAYE, WOLF
	FOSNIGHT, KULA S
	FRANKEL, DOROTHY N
	FRIEDERICH, KAREN
	GALLAGHER, BROOKE C
	GENYK, GEORGE W
	GIBSON, ALLEN P
	GILBERT, PENNY J
	GILES, JOHN B
	GORE, THOMAS M
	GRAY, GALEN C
	GRAY, GENE E
	GREENWOOD, DONALD C
	GUNTERMANN, GAIL G
	HANSON, CHARLES F
	HARDING, DAVE
	HARVEY, DOUGLAS W
	HASSEN, GABRIEL J
	HERNANDEZ, NANCY S
	HERVATIN, GILBERT F

W STATE ROUTE 89A 2010 (Cont'd)

6770
HICKS, CHERRY
HOPE, JENNIFER
HOPKINS & HOPKINS REAL ESTATE
HOPKINS, BETTE I
HORNER, ANN E
HOUCK, FRANK W
HUELSMEIER, ECKHARD F
IGOE, LORRAINE E
IMUS, WARREN H
JARVIS, PATRICIA A
JONES, IRENE A
KENNEDY, GAIL M
KING, MARIE
KLIMEK, ROBERT J
KLOECKER, ELOISE M
KNAPP, CAROL A
KRAMER, JOSEPH
KRURIE, LINDA L
LACKIE, GEORGE L
LEHNHARDT, BEVERLY G
LIEURANCE, JAMES M
LIVINGSTON, RITA
LIVOLSI, ANTHONY P
LUNNEY, PATRICIA A
MALCOLM, THOMAS G
MARCHESE, DONALD
MAXWELL, RICHARD A
MCARDLE, ROBERT J
MCCAULEY, JOHN F
MCCLELLAND, DONALD K
MCKENNA, JOSEPH I
MEYER, KERRY
MILLER, NICOLE J
MISSE, LUCIEN J
MOLLNER, EARLENE
MONTELEONE, PATRICIA A
MOREDICH, DENNIS D
MOROS, JOHN
NAKASHIMA, CHIZUKO N
NIXON, PATRICK P
NORRIS, ARTHUR D
NORTHUP, ARDELLE J
OTOOLE, LOIS E
PARK, VICTORIA G
PATERNA, MARK J
PFEIFER, NETTA
PIAZZA, SALLY M
POOLE, ART P
QUAYLE, RIC
RICCA, NANCY J

Target Street	Cross Street	Source
✔	-	Cole Information

W STATE ROUTE 89A 2010 (Cont'd)

6770	RICCIO, LUCILLE
	RICE, JOANNE O
	RICKETTE, DON M
	ROGERS, PHIL J
	ROOSEKRANS, RONALD
	RUSSELL, ROBERT L
	RYDER, TOD T
	RYKEN, BILL
	SANDY, GRAYSON M
	SCHELL, BESSIE P
	SCHULTZMAN, MARY
	SEARS, JUDITH F
	SEDONA SHADOWS
	SEVERSON, DONALD M
	SHANNON, CAROL J
	SHIPMAN, FRED
	SHOEMAKER, RICHARD P
	SIEBRANDT, LYNNE
	SILVER, CURRIE C
	SKENE, THOMAS J
	SPENCER, NIKKI
	STEINMANN, SCOTT K
	SUYDAM, LYNNE
	SWEENY, MICHAEL E
	SWENT, JANINE A
	SWILLEY, KRISTI L
	TEDRICK, THOMAS D
	VALLENARI, FRANK J
	VANDESTAP, JOANN A
	VELASQUEZ, ROSS
	WARD, NEIL N
	WELLS, GARY
	WENTWORTH, JEANNE M
	WHITE, JANETTE
	WHITFIELD, PATRICIA T
	WOLFROM, NORMAN S
	WOODBECK, ELEANOR E
	ZEAL, ROBIN J

Target Street	Cross Street	Source
✓	-	Cole Information

W HIGHWAY 89A 2005

6701	LOS PINOS GRILL
	MR JUIS
6770	ANDERSON, JIM
	ASK, JOHN R
	BEARDEN, LARK
	BILICKI, ROBERT J
	BILLIMORIA, ROSHAN R
	BLAIR, SHEILA
	BOTTRIELL, MONA J
	BRACE, DIANE L
	BUCK, SUSAN L
	BURKHART, AMY M
	CALDWELL, RUTH S
	COLAROSSI, THOMAS
	COLT, RICHARD R
	CORBISELLO, BETTY I
	DANIELS, WAYNE W
	DANNUNZIO, FRANK B
	DEJONG, DAVID M
	DOWNS, RICHARD J
	DRAYTON, EVELYN K
	DREIZLER, ROBERT B
	DUBI, JUDIE G
	ECKSTEIN, DAVID
	FARRINGTON, CATHLEEN C
	FLAHERTY, MORGAN O
	FLODMAND, ARLINE J
	FOSNIGHT, VERRYL
	FOXE, JUDITH E
	FREULER, TOM E
	GENDRON, ANDRE
	GESKE, TOM
	GILES, JOHN B
	GO PSYCHIC NOW
	GODDARD, BETTY B
	GOLDEN, GARY L
	GOUGH, CHRISTOPHER W
	GRAY, WALLACE F
	HARRIS, JOYCE A
	HARVEY, DOUGLAS W
	HERVATIN, GILBERT F
	HILBERS, KATHLEEN L
	HOPKINS & HOPKINS
	HOPKINS, ANGUS
	HORNE, RONNIE B
	HUNTLEY, DARYL E
	IMUS, DAVID
	JACKSON, KATHLEEN
	JARVIS, PATRICIA A
	JEFFERSON, VIOLET M

Target Street	Cross Street	Source
✓	-	Cole Information

W HIGHWAY 89A 2005 (Cont'd)

6770 JOHANSEN, POUL S
KENNEDY, GAIL J
KIME, IRENE E
KLIMEK, ROBERT J
KLOECKER, ELOISE M
KOLLEY, PATRICK L
KORSHOLM, JORGEN
KRAMER, JOSEPH
KRURIE, LINDA
KURTZ, DON
LACKIE, GEORGE L
LIEURANCE, JAMES M
LINDBERG, WESLEY J
MACBRIDE, JOHN L
MANUFACTURED HM COMMUNITIES INC
MARANO, PATRICIA L
MARKLING, JAMES C
MCAVOY, DIANE
MCKAY, RICHARD M
MCKENNA, JOSEPH I
MEJIA, ANA J
MILKS, BILL F
MISSE, LUCIEN J
MONROE, DNEIL J
MOORE, JIMMY D
MOREDICH, DENNIS D
MOROS, JOHN
MYERS, JAMES R
NECHAEFF, MARY G
NEW TECHNOLOGY4 ARIZONA KIDS INC
NIEDERER, M
NORRIS, ARTHUR D
NORWOOD, DIANE D
OSHER, JAMES E
PARK, V G
PATTEN, JIM E
PEAKE, LISTON L
QUAYLE, RIC
RADER, RICHARD L
RICE, JOANNE
RICKETTE, DON M
ROOSEKRANS, RONALD
RUSSELL, ROBERT L
RYDER, STEPHEN P
SAKELARIOS, BILL
SARSON, JOHN L
SCOFIELD, CHIZUKO N
SEASONS, CYNTHIA
SEDONA SHADOWS
SEVERSON, DONALD M

Target Street	Cross Street	Source
✓	-	Cole Information

W HIGHWAY 89A 2005 (Cont'd)

6770	SHANNON, CAROL J
	SHEPPARD, THOM
	SHOEMAKER, RICHARD
	SHORES, TOM
	SPEIRS, JACK B
	STAMM, JOHN
	SWENT, JANINE A
	SYME, CLARK
	TEDRICK, THOMAS
	TEPLY, D
	THAILING, SANDRA P
	TOSCZAK, WAYNE
	VALLENARI, FRANK J
	VANSICKLE, TOIM R
	WARD, NEAL
	WATTERS, BEATRICE M
	WENGER, ROBERT J
	WENTWORTH, JEANNE M
	WIDMAR, JOHN R
	WOLF, FAYE F
	YOUNG, TERI

Target Street	Cross Street	Source
✓	-	Cole Information

W HIGHWAY 89A 2000

6701	CHOICE VACATION RESORTS
	DAVID GREEN
	NATHANS PLACE LLC
	SEDONA RV RESORT
6770	ASK, JOHN
	BETTERTON, POLLY
	BILICKI, ROBERT
	BRACHMAN, J B
	BROOMFIELD, SHERI G
	CALLAWAY, DANIEL O
	CARPENTER, F
	CIRE, RICHARD
	COLE, B J
	CORBISELLO, BETTY
	CRANKER, DORIS G
	CROSMAN, WILLIAM M
	CUNNINGHAM, FLOYD
	DUBI, OTTO
	DUCKWORTH, JOHN R
	ERBEN, MARY A
	EVO, CHARLES R
	FARRINGTON, C
	FREULER, TOM
	GODDARD, ALFRED R
	GREGOR, MARIE
	HEDAHL, LEONARD O
	HERMAN, SHARON P
	HERVATIN, GILBERT F
	HILBERS, K L
	HOLMES, FRED
	HUISGEN, ROBERT
	JOHANSEN, POUL S
	KING, JACK J
	KISER, CHARLES A
	KLOECKER, E M
	KREILING, GARY
	KRELING, GARY
	MAGOFFIN, CHARLES
	MARTIN, NORMA I
	MASTRON, VICTOR
	MCLAUGHLAN, LORI
	MILKS, BILL
	MONROE, D N
	MOROS, JOHN
	MORRISON, CONNIE
	MYERS, JAMES R
	NORRIS, ARTHUR D
	OHRT, MICHAEL
	PETZ, JAMES
	PORTER, GERALD

Target Street	Cross Street	Source
✓	-	Cole Information

W HIGHWAY 89A 2000 (Cont'd)

6770	RIVES, M
	ROBBINS, EARL
	SEDONA SHADOWS
	SHOEMAKER, RICHARD
	SKEME, M E
	STEPHENS, RONALD E
	STUBBLEFIELD, WILLIAM
	TEDRICK, ANN D
	VIARISEO, LARRY
	VICTOR, L
	WARD, NEAL
	WATTERS, B M
	WATTS, DANIEL
	WENGER, ROBERT J
	WENTWORTH, J

Target Street	Cross Street	Source
✓	-	Cole Information

W US HIGHWAY 89A 1995

6701	SEDONA RV RESORT
6770	SEDONA SHADOWS MOBILE HM PARK

Target Street	Cross Street	Source
✓	-	Cole Information

HIGHWAY 89A W 1992

3100	DIET CENTER
	SEDONA OPTICAL
3130	OAK CRK ANIMAL CLIN
	REMMLER THOS E DVM
	WESTSIDE SOUNDS
6701	SEDONA FIRE STATION

Appendix E -

Soil Map

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Black Hills-Sedona Area, Arizona, Parts of Coconino and Yavapai Counties



October 13, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map (200-Acre Highway 89A City of Sedona)



Map Scale: 1:8,840 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 12N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Black Hills-Sedona Area, Arizona, Parts of Coconino and Yavapai Counties
Survey Area Data: Version 15, Aug 25, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 29, 2022—Oct 31, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

MAP LEGEND	MAP INFORMATION
	imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (200-Acre Highway 89A City of Sedona)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
203	Ustic Haplargids and Typic Torriorthents; cool thermic aridic fan piedmonts	228.1	91.2%
205	Ustic Haplocalcids, Ustic Haplocambids, rarely flooded, and Typic Torripsamments, rarely flooded; cool thermic aridic alluvial fans	22.0	8.8%
Totals for Area of Interest		**250.1**	**100.0%**

Map Unit Descriptions (200-Acre Highway 89A City of Sedona)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it

was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Black Hills-Sedona Area, Arizona, Parts of Coconino and Yavapai Counties

203—Ustic Haplargids and Typic Torriorthents; cool thermic aridic fan piedmonts

Map Unit Setting

National map unit symbol: 31rdh
Elevation: 2,790 to 4,510 feet
Mean annual precipitation: 15 to 22 inches
Mean annual air temperature: 61 to 70 degrees F
Frost-free period: 220 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Ustic haplargids and similar soils: 50 percent
Ustic haplargids and similar soils: 30 percent
Typic torriorthents and similar soils: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ustic Haplargids

Setting

Landform: Hills, fan remnants
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Side slope, interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Fan alluvium and/or slope alluvium derived from granite and/or volcanic rock

Typical profile

A - 0 to 1 inches: extremely gravelly sandy loam
Bt1 - 1 to 7 inches: very gravelly sandy clay loam
Bt2 - 7 to 18 inches: very gravelly sandy clay loam
C - 18 to 60 inches: very gravelly sandy loam

Properties and qualities

Slope: 10 to 60 percent
Surface area covered with cobbles, stones or boulders: 1.0 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Description of Ustic Haplargids

Setting

Landform: Eroded fan remnants
Landform position (two-dimensional): Summit, shoulder, backslope

Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Gravelly alluvium derived from granite and gneiss

Typical profile

A - 0 to 11 inches: very gravelly sandy clay loam
Bt1 - 11 to 33 inches: extremely gravelly clay
Bt2 - 33 to 60 inches: very cobbly clay

Properties and qualities

Slope: 3 to 65 percent
Surface area covered with cobbles, stones or boulders: 5.0 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Gypsum, maximum content: 2 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water supply, 0 to 60 inches: Low (about 4.1 inches)

Description of Typic Torriorthents

Setting

Landform: Stream terraces, alluvial fans
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Mixed fan alluvium and/or stream alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

A - 0 to 2 inches: gravelly loamy sand
C1 - 2 to 12 inches: gravelly loamy coarse sand
C2 - 12 to 60 inches: very gravelly coarse sand

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 39.96 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

205—Ustic Haplocalcids, Ustic Haplocambids, rarely flooded, and Typic Torripsamments, rarely flooded; cool thermic aridic alluvial fans

Map Unit Setting

National map unit symbol: 31rd7
Elevation: 4,030 to 5,250 feet
Mean annual precipitation: 15 to 19 inches
Mean annual air temperature: 55 to 63 degrees F
Frost-free period: 175 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

Ustic haplocalcids and similar soils: 40 percent
Ustic haplocambids and similar soils: 31 percent
Typic torripsamments and similar soils: 29 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ustic Haplocalcids

Setting

Landform: Valleys, stream terraces
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Fan alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

A - 0 to 2 inches: very gravelly sandy loam
Bk1 - 2 to 18 inches: very gravelly sandy loam
Bk2 - 18 to 45 inches: extremely gravelly sandy loam
Bk3 - 45 to 60 inches: very gravelly loamy coarse sand

Properties and qualities

Slope: 2 to 25 percent
Surface area covered with cobbles, stones or boulders: 5.0 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Description of Ustic Haplocambids

Setting

Landform: Flood plains, alluvial fans
Landform position (two-dimensional): Toeslope, summit
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fan alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

A - 0 to 2 inches: fine sandy loam
Bw - 2 to 11 inches: sandy clay loam
Bk - 11 to 41 inches: loam
C - 41 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 8.6 inches)

Description of Typic Torripsamments

Setting

Landform: Flood plains, alluvial fans
Landform position (two-dimensional): Toeslope, summit
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

A - 0 to 10 inches: loam
C - 10 to 60 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 2 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Appendix F -

Regulatory Agency Requests and Records

Request Visibility: Unpublished

Request 25-175 Closed

Dates

Due

October 3, 2025

Received

September 26, 2025 via web

Requester

Jennifer Anderson

janderson@ninyoandmoore.com

3202 E Harbour Drive, Phoenix, AZ, 85034

6024253074

Ninyo & Moore

Additional information

Request

Good afternoon! I'm working on a Phase I Environmental Site Assessment for the City of Sedona. The Parcel numbers are Yavapai County APN# 408-21-463F and 408-21-463D. They are located off of 89A south of the city near the wastewater treatment plant and wetlands preserve. I would like any records pertaining to Environmental Conditions including spills, releases of hazardous chemicals or petroleum products. ASTs, USTs, inspections, violations.

I would also like to request building related permits if there are any. The current use is irrigated vacant land. Any information you can provide would be greatly appreciated! Thank you!

Timeline Documents

Request closed Anyone with access to this request

No records responsive to your request have been found. If you have questions, feel free to contact us: 928-282-3113.

Are you requesting these records for commercial use?
Yes

If yes, please state your intended commercial use of these records
For review and research related to an Environmental Site Assessment for the City of Sedona.

Invoices

No invoices due

Staff assigned

Departments

Public Works

Wastewater

Community Development

Point of contact
David Jakim

All records have been released, and your request has been fulfilled

October 1, 2025, 6:04pm by David Jakim, Records Clerk (Staff)

Message to requester

Requester + Staff

No Building Permits on file. TG

October 1, 2025, 6:03pm by David Jakim, Records Clerk (Staff)

Message to requester

Requester + Staff

There are no wastewater permits on file for this property.

October 1, 2025, 5:07pm by Salvador Valenzuela, Chief Engineering Inspector (Staff)

Message to requester

Requester + Staff

Class B reclaimed water was disposed of via spray irrigation from 1993 to approximately 2012. After 2012, and currently, Class A+ is disposed of via spray irrigation.

There are no records of spills or release of hazardous materials.

October 1, 2025, 3:39pm by Roxanne Holland, Director of Wastewater (Staff)

Department assignment

Anyone with access to this request

Added: Public Works, Wastewater, Community Development.

September 29, 2025, 12:24pm by David Jakim, Records Clerk (Staff)

Message to requester

Requester + Staff

Thank you for submitting your request for City of Sedona public records. Most basic requests are completed within 5 business days. For more complex or voluminous requests, additional time may be

required. Requests are addressed in the order of date received. If you have questions, please call 928-282-3113.

September 26, 2025, 2:00pm

Request opened Anyone with access to this request

Request received via web

September 26, 2025, 2:00pm by the requester

FAQS
Help
Privacy
Terms
Sedona City Clerk's Office

CIVICPLUS
NextRequest

Jennifer Anderson, RG

From: Jason Soifer <Jason.Soifer@yavapaiaz.gov>
Sent: Monday, September 29, 2025 2:00 PM
To: Jennifer Anderson, RG
Subject: RE: Public Records Request for Environmental Due Diligence

Hello-

Yavapai County Development Services Environmental Unit does not have records of spills, hazardous chemical or petroleum products, USTs, ASTs, incidents, violations, permits or inspections on file for the parcels.

Consider reaching out to the Arizona Department of Environmental Quality in Phoenix at your convenience.

Have a great Monday.

From: Jennifer Anderson, RG <janderson@ninyoandmoore.com>
Sent: Monday, September 29, 2025 9:57 AM
To: Enviro Services <Enviro.Services@yavapaiaz.gov>
Subject: Public Records Request for Environmental Due Diligence

Good morning,

I am working on a Phase I Environmental Site Assessment for two parcels located in Yavapai County (408-21-463D, 408-21-463F) located at approximately Milepost 362.4 on the east side of HWY 89A south of Sedona. They are in Yavapai County and the owner is the City of Sedona.

I would like to request records related to spills, releases of hazardous chemical or petroleum products, USTs, ASTs, incidents, violations, permits, or inspections.

What is the process for Yavapai County to obtain records? I wasn't able to find an online records request under the Environmental Services website.

Thank you,

Jennifer Anderson, RG
Senior Project Geologist
T.: + 1 602 243 1600 x16240 | M.: +1 602 425 3074
janderson@ninyoandmoore.com

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3202 East Harbour Drive
Phoenix, AZ 85034
www.ninyoandmoore.com
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Yavapai County Print Parcel



Parcel ID	Check Digit
408-21-463D	3

Owner

City of Sedona

Owner's Mailing Address

102 Roadrunner Dr
Sedona, AZ 86336-3710

Secondary Owner

Recorded Date

N/A

Last Transfer Doc Docket	Last Transfer Doc Page
N/A	N/A

Physical Address	Incorporated Area
7795 W State Route 89A, Sedona, 86336	City of Sedona

Assessor Acres	Subdivision	Subdivision Type
65.2	N/A	N/A

School District	Fire District
N/A	N/A

Improvements (0)

No Improvements found.

Local Zoning

City Of Sedona
RS-70

Assessment

Starting with the 2015 tax year, the Limited Property Value is the only value considered for taxation purposes, the Full Cash Value is no longer used for taxation.

Tax Year	2026	2025
Assessed Value(ALV)	$103,270	$111,466
Limited Value(LPV)	$688,467	$743,107
Full Cash(FCV)	$688,467	$743,107
Legal Class	Vacant or Other	Vacant Or Other
Assessment Ratio	15%	15%
Usage Code	9700 ?	9700 ?

Taxes

Tax Area Code	2025 Taxes Billed
604	$

Recorded Documents & Sales (1)

Date	Book/Page	Type	Cost
6/12/2002	3933-884	Other - Sale	$0

Permits

City of Sedona Permits

Most permit data is available from the mid 2000s, though not all types of permits are included. Please contact your local jurisdiction at (928) 282-1154 with any questions.

(0) Permits(s)

There were no qualified permits for this parcel.

Disclaimer: Map and parcel information is believed to be accurate but accuracy is not guaranteed. No portion of the information should be considered to be, or used as, a legal document. Users should independently research, investigate and verify all information.

By using this website, the user knowingly assumes all risk of inaccuracy and waives any and all claims for damages against Yavapai County and its officers and employees that may arise from the use of this data and agrees to indemnify and hold harmless Yavapai County and its officers and employees to the fullest extent permitted by law. By using this website, the user also agrees that data and use of this website may not be used for commercial purposes.

Yavapai County Print Parcel



Parcel ID	Check Digit
408-21-463F	1

Owner

City of Sedona

Owner's Mailing Address

102 Roadrunner Dr
Sedona, AZ 86336-3710

Secondary Owner

Recorded Date

N/A

Last Transfer Doc Docket	Last Transfer Doc Page
N/A	N/A

Physical Address	Incorporated Area
7775 W State Route 89A, Sedona, 86336	City of Sedona

Assessor Acres	Subdivision	Subdivision Type
127.07	N/A	N/A

School District	Fire District
N/A	N/A

Improvements (0)

No Improvements found.

Local Zoning

City Of Sedona
RS-70

Assessment

Starting with the 2015 tax year, the Limited Property Value is the only value considered for taxation purposes, the Full Cash Value is no longer used for taxation.

Tax Year	2026	2025
Assessed Value(ALV)	$133,698	$144,309
Limited Value(LPV)	$891,321	$962,060
Full Cash(FCV)	$891,321	$962,060
Legal Class	Vacant or Other	Vacant Or Other
Assessment Ratio	15%	15%
Usage Code	9700 ?	9700 ?

Taxes

Tax Area Code	2025 Taxes Billed
604	$

Recorded Documents & Sales (0)

No Recorded Documents were found.

Permits

City of Sedona Permits

Most permit data is available from the mid 2000s, though not all types of permits are included. Please contact your local jurisdiction at (928) 282-1154 with any questions.

(0) Permits(s)

There were no qualified permits for this parcel.

Disclaimer: Map and parcel information is believed to be accurate but accuracy is not guaranteed. No portion of the information should be considered to be, or used as, a legal document. Users should independently research, investigate and verify all information.

By using this website, the user knowingly assumes all risk of inaccuracy and waives any and all claims for damages against Yavapai County and its officers and employees that may arise from the use of this data and agrees to indemnify and hold harmless Yavapai County and its officers and employees to the fullest extent permitted by law. By using this website, the user also agrees that data and use of this website may not be used for commercial purposes.

Jennifer Anderson, RG

From: Carla Dufort <CDufort@sedonafire.org>
Sent: Tuesday, September 30, 2025 11:05 AM
To: Jennifer Anderson, RG
Subject: RE: Ninyo&Moore Sedona Fire Records Request for Environmental Site Assessment

NINYO AND MOORE
Warning: Sender CDufort@sedonafire.org has never sent any emails to your organization.
Please be careful before replying or clicking on the URLs.
Report Phishing This is Safe
powered by Graphus®

Jennifer,

Since the property is vacant, I don't have any records for inspections, violations, hazardous chemicals, or spills.

Respectfully,

Carla J. Dufort

Administrative Specialist

Sedona Fire District

928.204.8926

From: Jennifer Anderson, RG <janderson@ninyoandmoore.com>
Sent: Friday, September 26, 2025 1:23 PM
To: Community Risk Reduction <crr@sedonafire.org>
Subject: Ninyo&Moore Sedona Fire Records Request for Environmental Site Assessment

Good afternoon,

Attached is a signed and completed records request of any fire incidents, violations, inspections or hazardous chemicals or petroleum product spills, releases or USTs or ASTs affiliated with the property located at approximately Milepost

362.4 east of Highway 89A on vacant property (Yavapai County Parcel Numbers 408-21-463D and 408-21-463F). Any information you can provide would be greatly appreciated and if you need any additional information please contact me.

Thank you and have a great weekend,

Jennifer Anderson, RG
Senior Project Geologist
T.: + 1 602 243 1600 x16240 | M.: +1 602 425 3074
janderson@ninyoandmoore.com

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Phoenix, AZ 85034
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ARIZONA DEPARTMENT OF WATER RESOURCES
500 North 3rd Street
Phoenix, Arizona 85004

RECEIVED
JUL 12 2002
RECORDS MGT

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. K. P. VENTURES WELL DRILLING & PUMP SERVICE
P.O. BOX 2411
COTTONWOOD, AZ 86326-2411

2. Owner Name: City of Sedona
Address: 104 Roadrunner Dr. Sedona, Az 86336
City State Zip

3. Location: 17 (N)/S 4 (E)/W 36 ¼ SW ¼ NW ¼ NW
Township Range Section 10-acre 40-acre 160 acre

4. Well Registration No. 55-587580 (Required)

5. Permit No. _____ (If Issued)

DESCRIPTION OF WELL

6. Total depth of hole 520 ft.
7. Type of casing Steel + P.V.C.
8. Diameter and length of casing 10" in. from 3'abgl to 20' , 5.56" in from 2'abgl to 520'
9. Method of sealing at reduction points cement grout
10. Perforated from 520' to 420', from — to — from — to —
11. Size of cuts 20 slot screen Number of cuts per foot —
12. If screen was installed: Length 100' ft. Diam 5.56 in. Type SDR 17 20 slot
13. Method of construction Drilled
(drilled, dug, driven, bored, jetted, etc)
14. Date started 9 25 01
Month Day Year
15. Date completed 10 8 01
Month Day Year
16. Depth to water 414 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea_level elevation if available
ground level
18. If flowing well, state method of flow regulation: _____
19. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55- 587580
File No. A(17-4) 36 BBC
Received _____ By _____
Entered _____ By _____

DWR-55-55-7/95 (Rev.) ANSWERED AUG 13 2002

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	8	Red Sandstone Conglomerate
8	20	Volcanic Conglomerate
20	210	Gray Clay Conglomerate
210	500	Red Sandstone
500	530	No Returns - Lost Circulation

I hereby certify that this well was drilled by me (or under by supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: K. P. VENTURES WELL DRILLING & PUMP SERVICE

P.O. BOX 2411
Street

COTTONWOOD, AZ 86326-2411
City State Zip Phone No.

Signature of Driller Date

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT 602-417-2470

RECEIVED
JUN 25 2001
GROUNDWATER MGT

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS ON REVERSE SIDE OF THIS FORM BEFORE COMPLETING.

RECEIVED
JUL 20 2001

1. Well/land Location:
17 (N/S) 4 (E/W) 36
Township Range Section
SW ¼ NW ¼ NW ¼
10 Acre 40 Acre 160 Acre

2. Position location of the well on the land:
Latitude 34 ° 48 · 50 "
Longitude 111 ° 53 · 30 "

3. County: Coconino

4. Owner of the well:
City of Sedona
Name
104 Roadrunner Dr.
Mailing Address
Sedona AZ 86336
City State Zip
Telephone No. (928) 204-7809

5. Lessee of the land of wellsite:
City of Sedona
Name
102 Roadrunner Dr.
Mailing Address
Sedona Az 86336
City State Zip
Telephone No. (520) 204-2234

6. Owner of the Land of Wellsite:
Coconino National Forest
Name
P.O. Box 300
Mailing Address
Sedona Az 86336
City State Zip
Telephone No. (520) 282-4119

7. Consulting firm:
Hydrometrics, Inc.
Name
Bryan Munson
Contact Person
Telephone No. (480) 551-2016

8. Purpose of well drilled pursuant to this notice:
Monitor App Point of Compliance
Piezometer

9. If for deepening or modifying, list well registration number:
55-

FOR DEPARTMENT USE ONLY
File No. A(17-4)36BBC
Filed 6-25-01 By
Input By
DUPLICATE
Mailed 9-18-01 By
Registration 55- 587580
AMA/INA
W/S 05 S/B 79
mb

10. Will this proposed well be associated with a permit: Yes X No
If yes, Permit No. P-102298

11. Construction will start:
August 15 2001
Month Day Year

12. Period well will remain in use:
30 Months/(Years)

13. For monitoring wells, is pump equipment to be installed?
Yes X No

(a) If yes, design pump capacity:
Approx. 10 gpm @ 400'

(b) What use will be made of the water:
Testing and analysis

14. Drilling Firm:
KP Ventures Drilling & Pump Co.
Name
P.O. Box 2411
Mailing Address
Cottonwood AZ 86326
City State Zip
(928) 639-1709
Telephone No.
562
DWR License Number
A-04/C53 Lic & Comml
ROC License Category

15. Proposed method of abandonment of well after project is completed: the hole will be filled with cement grout or clean sand w/ bentonite, with a grout top plug, pursuant to R12-15-816.

16. Is this well to monitor existing contamination? No **Potential contamination:** Yes **Please explain:** Will be used to monitor compliance with Az. Aquifer Water Quality Standards.

17. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? Mr. Kaumil Pargh.

18. If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? N/A

DWR-55-44a (Rev 1/99)

19. WELL CONSTRUCTION PLAN:

a) Drilling method (mud rotary, hollow-stem auger, etc.) Air rotary / mud (if needed)

b) Borehole diameters: 13 inches from 0 feet to 20 (est) feet.
9.25" inches from 20 (est) feet to ± 500 (TD) feet.

c) Casing materials (PVC, steel, hollow-stem auger, etc.)
material steel diameter 10 inches from 0 feet to 20 (est) feet.
material PVC diameter 5.563 inches from 20 feet to ± 500 (TD) feet.

d) Method of sealing at reductions bentonite and/or cement seal

e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated):
material bentonite or bentonite cement method tremied from 0 feet to top of sandpack feet.
material ____ method ____ from ____ feet to ____ feet.

f) Filter packs (state material):
material silica sand (10-20) from above screen int. (5%) feet to ± 500 (TD) feet.
material ____ from ____ feet to ____ feet.

g) Perforations or screen specifications:
Type .020" slotted PVC from through-the-casing matl feet to ± 500' (TD) feet.
Type ____ from ____ feet to ____ feet.

h) Method of well development (bail, air lift, surge) air lift and/or bail

i) Will surface or conductor casing extend above grade?: Yes X No ____

20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

I state that this Notice is filed in compliance with Rule A.A.C. R12-15-809, is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on this form.

JAMES C. JOHNSON, DIR OF WASTEWATER James C. Johnson 6/18/01

Typed or Printed Name and Title **Signature [ ] Land Owner [X] Lessee of Wellsite, Title** **Date**

Necessary Steps and Instructions to Obtain Drilling Authority (Monitor/Piezometer Wells)

1. Arizona Revised Statues ("A.R.S.") § 45-596 provides that prior to drilling a monitor or piezometer well, a Notice of Intention to Drill must be filed with the Department. To assist you in understanding the substantive requirements for this application, copies of A.R.S. § 45-596 and Arizona Administrative Code ("A.A.C.") R12-15-810 are available thru the department bookstore.
2. Information to complete items 1, 2, and 3 may be available from your County Tax Receipt or your County Assessors Office.
3. Information to complete item 9 is available from your copy of the original Notice of Intent to Drill or our Records Division at (602)417-2405.
4. Information to complete items 11, 14 and 15 may be available from your driller.
5. If an individual other than the land owner or lessee signs this notice, an original notarized letter of authorization from the land owner/lessee, stating that the individual has permission to sign this specific Notice on his or her behalf, must accompany the Notice of Intention to Drill a Monitor/Piezometer Well.
6. Please complete two original notices with original signatures and include a $10.00 check or money order for the processing fee, in accordance with A.R.S. § 45-113. Submit them to: P.O. Box 458, Phoenix, Arizona 85001-0458.

TIME FRAME FOR REVIEW OF YOUR APPLICATION

Within 15 days after receipt of your Notice of Intention, the Arizona Department of Water Resources ("Department") will determine whether your application should be granted or denied, unless this time is extended for lack of a complete application. If your application is incomplete, the Department will notify you in writing and will specify what information is necessary to make the application complete. Until the missing information is received, the time frame for review of your application will be suspended. Your application will not be complete until all of the requested information is received. If you do not supply the missing information within sixty (60) days, the Department may deem your application withdrawn and close the file.

At the end of its review, the Department will send you written notice either granting or denying your application for drilling authority. If your application is approved, the Drill Card will be mailed directly to the drilling company. If denied, the Department's notice will state justification for the denial and an explanation of your right to appeal.

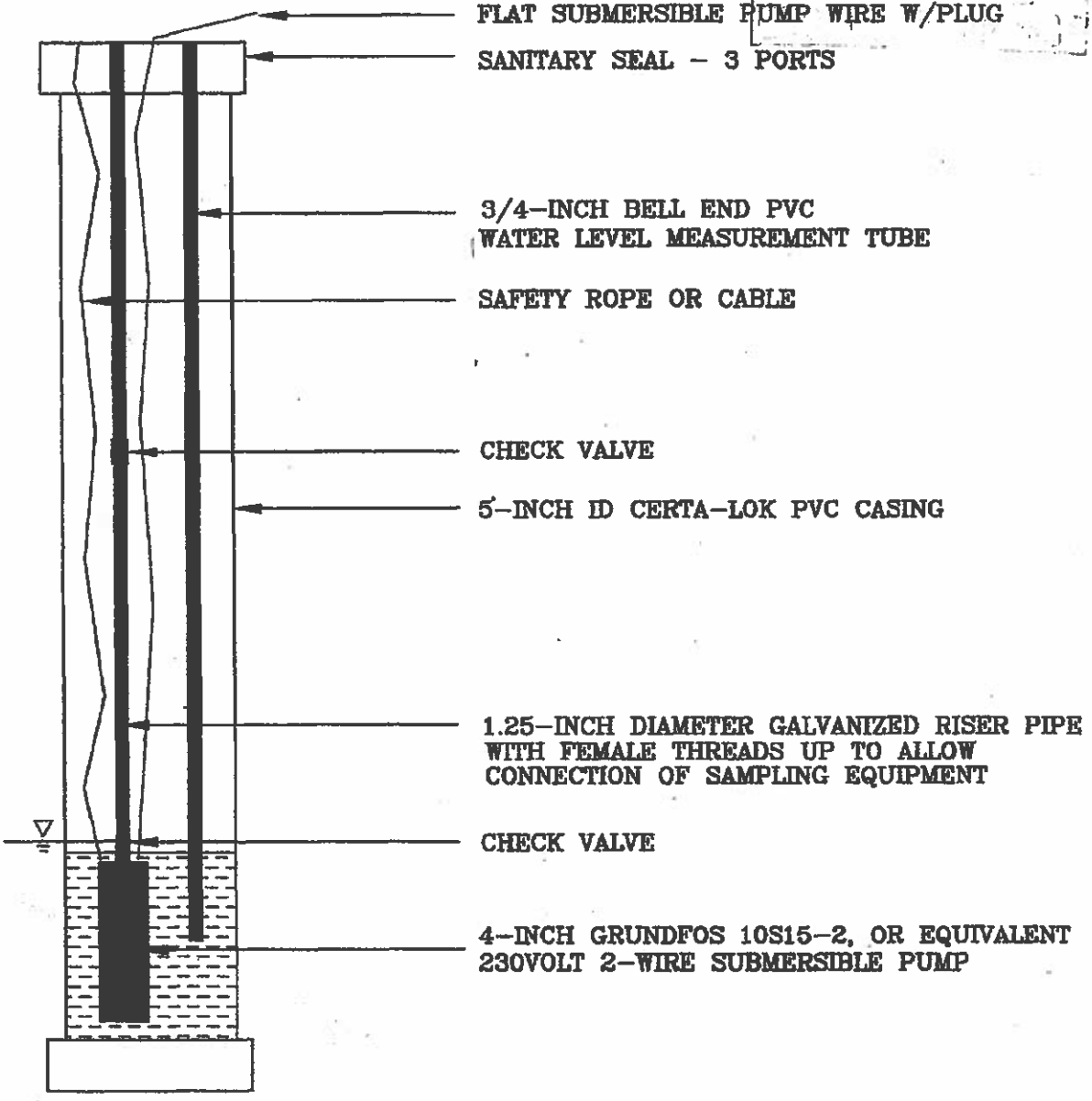
Construction and Follow-up Requirements

1. Construction and abandonment standards for all wells must be in accordance with Department Rules.
2. A.A.C. Rule R12-15-811(H)(2) requires a monitor well to be identified as such on the vault cover or at the top of the steel casing. Identification information must include the well registration number.
3. Pursuant to A.R.S. § 45-596(E), drilling, deepening or modification of the well must be completed within one year after the date of the Notice of Intent.
4. A Well Driller Report is required within thirty (30) days of completion of drilling. Within thirty (30) days after installation of pumping equipment in monitor wells, a Completion Report must be filed with the Department.
5. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual total volume of 10 acre feet.
6. Special construction standards required pursuant to A.A.C. Rule R12-15-821: ____

RECEIVED
JUN 25 2001
GROUNDWATER MGT

PUMP INSTALLATION SCHEMATIC

RECEIVED
JUL 20 2001



SEDONA WATER TREATMENT FACILITY MONITORING WELL INSTALLATION CITY OF SEDONA	INSTALLATION DIAGRAM PROPOSED PUMP	FIGURE 2

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION

500 North Third Street
Phoenix, Arizona 85004

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO: 55-587580

AUTHORIZED DRILLER: K. P. VENTURES WELL DRILLING & PUMP SERVICE LICENSE NO: 562

NOTICE OF INTENTION TO DRILL A MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: CITY OF SEDONA 104 ROADRUNNER DR SEDONA, AZ 86336

The well(s) is/are to be located in the:

SW ¼ of the NW ¼ of the NW ¼ Section 36 Township 17 NORTH Range 4 EAST

No. of wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 24TH DAY OF JUNE, 2002

GROUNDWATER MANAGEMENT SUPPORT

THE DRILLER MUST FILE A LOG OF THE WELL WITHIN 30 DAYS OF COMPLETION OF DRILLING

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North 3rd Street, Phoenix, Arizona 85004
Telephone (602) 417-2470
Fax (602) 417-2422

September 18, 2001

JANE DEE HULL
Governor
JOSEPH C. SMITH
Director

CITY OF SEDONA
104 ROADRUNNER DR
SEDONA, AZ 86336

Registration No. 55- 587580
File No. A(17-4) 36 BBC

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use . If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

Sincerely,

Toni Bergeman

Toni Bergeman
Water Resource Technician
Groundwater Management Support Section

Enclosures

VARIANCE CHECKLIST - HYDROLOGY

DATE RECEIVED 6-25-01
DATE TO HYDRO 9-14-01
DATE TO GMSS _____

POTENTIAL REG. Nº 55- 58758 0

55-_____ THRU 55-_____

FRONT OF N.O.I COMPLETE/CORRECT: YES ✓ NO _____

VARIANCE (?) LETTER RECEIVED	YES ✓ ?	NO _____
WELL DIAGRAM (?) RECEIVED	YES ✓	NO _____
SITE PLAN (?) RECEIVED	YES _____	NO _____

TYPE AND NUMBER OF WELLS:

1	MONITOR	_____	CATHODIC PROTECTION
_____	PIEZOMETER	_____	GROUNDING
_____	GEOTECHNICAL	_____	HEAT PUMP
_____	MINERAL EXPLORATION		
_____	WATER PRODUCTION	___	OTHER _____

DESCRIBE TYPE OF WELL

VARIANCE:

_____	REQUIRED	_____	GRANTED
✓	NOT REQUIRED	_____	NOT GRANTED
		_____	LETTER ISSUED

ATTENTION!!! NOTICE OF INTENT TEAM:

_____ HARD COPY OF LETTER TO FOLLOW
_____ CALL FOR PICKUP

COMMENTS: OK - bal

NOI Variance Checklist for Hydrology - 01/12/00

TB

Authorization ID: SED105004
Contact ID: SEDONA,CITY

Form Approved (6/91)
OMB No. 0596-0082

U. S. DEPARTMENT OF AGRICULTURE
Forest Service

AMENDMENT
FOR
SPECIAL USE AUTHORIZATION
AMENDMENT NUMBER: 2

This amendment is attached to and made a part of the special use authorization (indicated above) issued to SEDONA, CITY OF on 05/14/1999 which is hereby amended as follows:

Reduce permit area from 220 acres to 195 acres by removing the lands located in Section 26 and 35 as of January 2001. New boundary of the area has been fenced and pipeline has been removed. See Exhibit A2 attached hereto and made a part hereof depicting the revised permit area.

Fees will be credited to account for the removal of this acreage from permitted use as described within the revised payment schedule attached hereto and dated May 16, 2001, shown as Exhibit B2. The fees for this authorization are based on a per acre value.

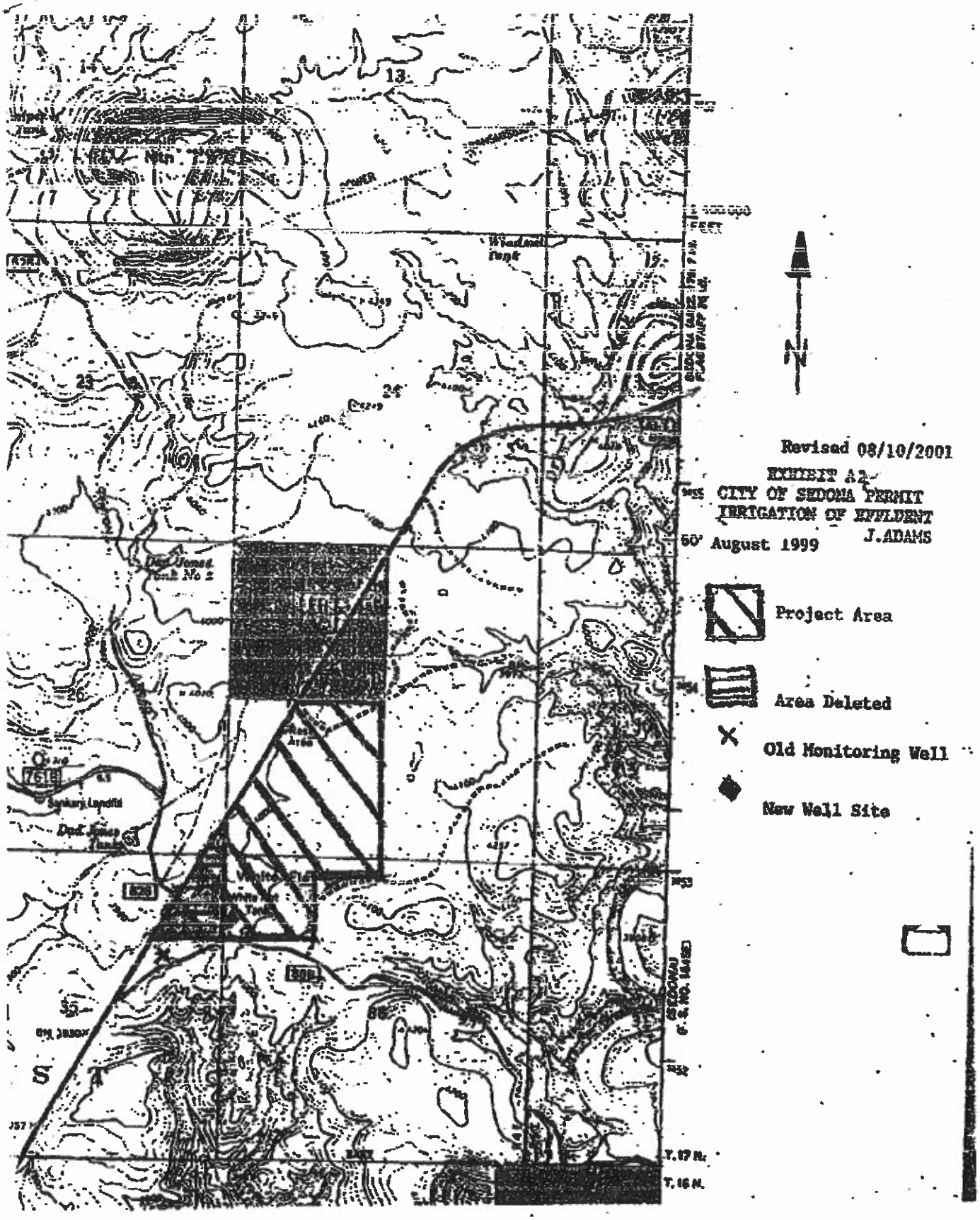
This permit amendment also authorizes the drilling of a new monitoring well for water quality monitoring in the permit area. The old monitoring well has failed and will be capped and closed upon completion of the new well. Access to the new well site will be from the existing access road to the stock tank. Future access to this well will be from the City's permit area only. Vegetation will be preserved in the area during the well drilling. Only the drill rig is allowed off road in order to accomplish the drilling activities. Other vehicles will park along the existing roadways and not on vegetation at any time. The City will notify the Forest Service upon completion of the well drilling and will ensure any restoration of the area is completed. The new well location is also identified on the attached Exhibit A2.

This Amendment is accepted subject to the conditions set forth herein, and to conditions _____ to _____ attached hereto and made a part of this Amendment.

Holder: _____ Authorized Officer: _____

Holder: _____ Title: _____

Date: 9-11-01 Date: 9/12/01


Revised 08/10/2001
EXHIBIT A2
CITY OF SEDONA PERMIT
IRRIGATION OF EFFLUENT
J.ADAMS
August 1999
Project Area
Area Deleted
Old Monitoring Well
New Well Site

Hydrometrics, Inc.®
consulting scientists, engineers, and contractors

9393 N. 90TH St.
Suite 102 PMB-163
Scottsdale, AZ 85258
(480) 551-2016
Fax: (480) 551-2035
www.hydrometrics.com

September 14, 2001

Mr. Alan Dulaney
Arizona Department of Water Resources
Groundwater Management Support Section
P.O. Box 458
Phoenix, AZ 85001-2470

RE: Notice of Intention to Drill Monitor Well

Dear Mr. Dulaney:

On behalf of the City of Sedona, I am resubmitting a completed form for a Notice of Intention (NOI) to Drill a Monitor Well. You may recall that this NOI was returned with a request for a letter of authorization from the Coconino National Forest, the current landowner, to allow the drilling of the well. Attached to this letter, you will find the materials that were previously submitted, with the addition of an executed Special Use Permit Amendment that specifically authorizes drilling of the new well. It is intended that the well will be installed, pending your approval, during the week of September 24, 2001.

As mentioned in our letter of June 21, a secondary goal of this project is to obtain useful information with respect to the feasibility of injecting treated water into strata above the regional water table. We intend to conduct the testing described below at the same time as we are constructing the monitor well. While we believe that the proposed testing will not impact the integrity of the well, we are submitting the details about the testing process for your consideration.

We intend to use an open-ended pipe testing method, which involves drilling a borehole to the base of the test interval, in this case 100, 200, and 300 feet. A depth of 300 feet was chosen based on an estimated regional water table depth of 400 feet. This allows approximately 100 feet of stratigraphic separation between the test interval and the water table.

This method involves installation of an un-tooled, open-ended pipe into the borehole. This pipe is used to add water to the borehole from the bottom of the hole upward. This method reduces the chance of vapor lock and wall sloughing that could occur if water was added from the surface. A pressure transducer is installed in the annulus to record water levels. Potable water is then added to the borehole. Water levels and pumping rates are recorded. Data obtained from the test is analyzed to assess injection potential for the well.

Following the testing, the monitor well will be completed as indicated in the attached schematics.

If you have any questions at all regarding these submittals, please do not hesitate to call me at (480) 551-2016.

Sincerely,

Brian E. Munson

cc. Jim Johnson
Carol Johnson

Hydrometrics, Inc.®
consulting scientists, engineers, and contractors

9393 N. 90TH St.
Suite 102 PMB-163
Scottsdale, AZ 85258
(480) 551-2016
Fax: (480) 551-2035
www.hydrometrics.com

June 21, 2001

RECEIVED
JUN 25 2001
GROUNDWATER MGT

RECEIVED
JUL 20 2001

Arizona Department of Water Resources
Groundwater Management Support Section
P.O. Box 458
Phoenix, AZ 85001-2470

RE: Notice of Intention to Drill Monitor Well

To Whom it May Concern:

Enclosed please find a completed form for a Notice of Intention to Drill Monitor Well, being submitted on behalf of the City of Sedona. Included with the submittal, please also find a well completion schematic and pump installation schematic which detail the construction specifications for the well. As indicated, this is a monitoring well to be installed as a point of compliance for the City's Aquifer Protection Permit. It is intended that the well will be installed in August 2001.

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Sincerely,

Brian E. Munson

cc. Jim Johnson
Carol Johnson

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2470
Fax (602) 417-2422

July 23, 2001

CITY OF SEDONA
ATTN CAROL JOHNSON
102 ROADRUNNER DR
SEDONA AZ 86336

PLEASE RETURN ALL PAPERS

Assigned Referenced Number: 55-587580

Dear Applicant:

The Department of Water Resources recently received your Notice of Intent to **Drill Monitor/Piezometer Well**. However, our review indicates that the filing(s) is incomplete under the Groundwater Management Act for the following reason(s):

Item No. (1.) Location of well Incomplete:_____
Item No. (2.) Incomplete Land Position: _____
Item No. (3.) County Not Given: _____
Item No. (4.) Well Owner Incomplete: _____
Item No. (5.) Land Lessee Incomplete: _____
Item No. (6.) Land Owner Incomplete: _____
Item No. (7.) Consulting Firm Incomplete:_____
Item No. (8.) Purpose of Well (select one): _____
Item No. (9.) Give Registration Number: _____
Item No. (10.) Select "Yes" or "No": _____
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Item No. (13.) Select "Yes" or "No": _____
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Item No. (18.) List Contact(s): _____
Item No. (19.) Insufficient Information: _____
Item No. (20.) Detailed Construction Diagram: _____
Incorrect/Unauthorized Signature _____

* **Other Reasons:** See highlighted area on attached letter

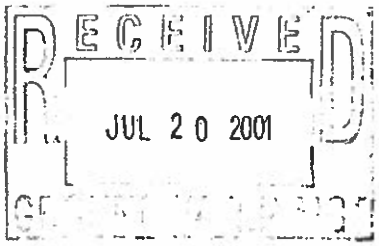
PLEASE CALL ALAN DULANEY AT 602-417-2400 EXT. 7152 WITH ANY QUESTIONS.

In accordance with A.R.S § 45-596; Paragraph D, this application is being returned as a "statement of determination", requesting information necessary to make it correct and complete. If the necessary information is not received by the department within sixty (60) days, the application may be denied. You would then have to re-initiate the N.O.I. process to receive a drilling authority for this location. If you have any questions, please contact the Groundwater Management Support Section at (602) 417-2470. **ATTACH THIS CHECK LIST WHEN RESUBMITTING THE COMPLETED NOTICE OF INTENT AND RETURN TO BOX 458, PHOENIX, ARIZONA 85004-3003. YOU MAY ALSO CONTACT YOUR DRILLER OR COUNTY ASSESSORS OFFICE FOR ASSISTANCE PERTAINING TO THE NECESSARY INFORMATION THAT IS REQUIRED TO COMPLETE YOUR APPLICATION.**

ARIZONA DEPARTMENT OF WATER RESOURCES
Groundwater Management Support Section
500 North Third Street, Phoenix, Arizona 85004
Telephone 602 417-2470
Fax 602 417-2422
June 27, 2001

JANE DEE HULL
Governor

JOSEPH C. SMITH
Director



Carol Johnson
Assistant City Engineer
City of Sedona
102 Roadrunner Dr.
Sedona, AZ 86336

RE: Well Registration # 55-587580 Well File A (17-4) 36 BBC

Dear Ms. Johnson:

Your application to drill a monitor well in Coconino County was received on June 25, 2001. The Department has determined that it is incorrect and incomplete. No owner of the well has been specified in item 4. You must specify the owner of the well. You have specified that the owner of the land where the proposed well will be located is the Coconino National Forest. Before the Department will issue any drilling authority, we must have a letter of authorization from the land management agency which owns the land indicating that they are aware of the upcoming project and approve of the installation of the proposed well.

On item 14 you must identify the licensed drilling contractor that will drill the well. The drilling authority is issued directly to the drilling contractor for the specified well in the specified location. The Department cannot issue a drilling authority if no drilling firm is named.

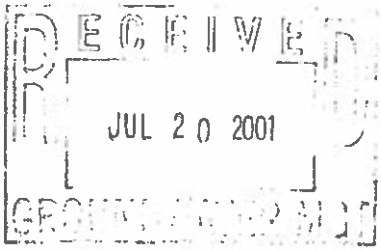
You will be contacted directly by the Hydrology Division if any technical questions arise concerning the proposed well construction details during the substantive review.

In accordance with A.R.S. § 45-596.D, this application is being returned to you requesting information necessary to make it complete and correct. As a courtesy, we are sending a copy of this letter to your consultant, Hydrometrics, Inc. Please return all papers. If the necessary information is not received by the Department within sixty (60) days, the application may be denied. You would then have to re-initiate the Notice of Intent to Drill process to receive a drilling authority for this location.

If you have any questions, please call the Groundwater Management Support Section at 602-417-2470. Thank you for your cooperation.

Sincerely,

Alan R. Dulaney



cc: Brian Munson
Hydrometrics, Inc.
PMB-163
9393 N. 90th Street
Suite 102
Scottsdale, AZ 85258

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2470
Fax (602) 417-2422

July 23, 2001

CITY OF SEDONA
ATTN CAROL JOHNSON
102 ROADRUNNER DR
SEDONA AZ 86336

PLEASE RETURN ALL PAPERS

Assigned Referenced Number: 55-587580

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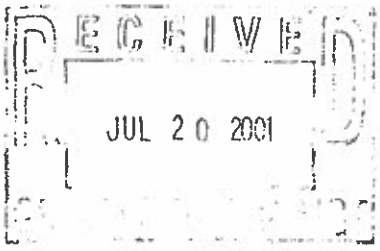
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ARIZONA DEPARTMENT OF WATER RESOURCES
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500 North Third Street, Phoenix, Arizona 85004
Telephone 602 417-2470
Fax 602 417-2422
June 27, 2001

JANE DEE HULL
Governor

JOSEPH C. SMITH
Director



Carol Johnson
Assistant City Engineer
City of Sedona
102 Roadrunner Dr.
Sedona, AZ 86336

RE: Well Registration # 55-587580 Well File A (17-4) 36 BBC

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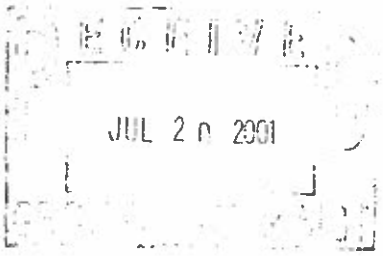
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If you have any questions, please call the Groundwater Management Support Section at 602-417-2470. Thank you for your cooperation.

Sincerely,

Alan R. Dulaney



cc: Brian Munson
Hydrometrics, Inc.
PMB-163
9393 N. 90th Street
Suite 102
Scottsdale, AZ 85258

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION

MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT 602-417-2470

RECEIVED JUN 25 2001 GWMS

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS ON REVERSE SIDE OF THIS FORM BEFORE COMPLETING.

1. Well/land Location:
17 (N/S) 4 (E/W) 36
Township Range Section
SW ¼ NW ¼ NW ¼
10 Acre 40 Acre 160 Acre

2. Position location of the well on the land:
Latitude 34 ° 48 · 50 "
Longitude 111 ° 53 · 30 "

3. County: Coconino

4. Owner of the well:
City of Sedona
Name
104 Roadrunner Dr.
Mailing Address
Sedona AZ 86336
City State Zip
Telephone No. (928) 204-7809

5. Lessee of the land of wellsite:
City of Sedona
Name
102 Roadrunner Dr.
Mailing Address
Sedona AZ 86336
City State Zip
Telephone No. (520) 204-2234

6. Owner of the Land of Wellsite:
Coconino National Forest
Name
P.O. Box 300
Mailing Address
Sedona AZ 86336
City State Zip
Telephone No. (520) 282-4119

7. Consulting firm:
Hydrometrics, Inc.
Name
Brian Munson
Contact Person
Telephone No. (480) 551-2016

8. Purpose of well drilled pursuant to this notice:
Monitor App Point of Compliance
Piezometer

9. If for deepening or modifying, list well registration number:
55-

*** FOR DEPARTMENT USE ONLY**
File No. A(17-4)36 BBC
Filed By
Input By
DUPLICATE
Mailed By
Registration 55- 582580
AMA/INA
W/S 05 S/B 74
mo.

10. Will this proposed well be associated with a permit: Yes X No
If yes, Permit No. P-102298

11. Construction will start:
August 15 2001
Month Day Year

12. Period well will remain in use:
30 Months/(Years)

13. For monitoring wells, is pump equipment to be installed?
Yes X No

(a) If yes, design pump capacity:
Approx. 10 gpm @ 400'

(b) What use will be made of the water:
Testing and analysis

14. Drilling Firm:
K P Ventures Drilling & Pump Co
Name
P.O. Box 2411
Mailing Address
Cottonwood, AZ 86326
City State Zip
(928) 639-1709
Telephone No.
562
DWR License Number
A 04/C53 Res/Comm
ROC License Category

15. Proposed method of abandonment of well after project is completed: the hole will be filled with cement grout or clean sandy bentonite, with a grout top plug, **pursuant to R12-15-816.**

16. Is this well to monitor existing contamination? NO **Potential contamination:** Yes **Please explain:** will be used to monitor compliance with Az. Aquifer Water Quality Standards

17. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? Mr. Koumi Panghi

18. If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? N/A

DWR-55-44a (Rev 1/99)

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT 602-417-2470

RECEIVED
JUN 25 2001
GROUNDWATER MGT

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

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JUL 20 2001

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City State Zip

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City State Zip

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P.O. Box 300
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Name
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Contact Person

Telephone No. (480) 551-2016

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Piezometer

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55-

FOR DEPARTMENT USE ONLY

File No. A(17-4)36BBC
Filed By
Input By

DUPLICATE

Mailed By
Registration 55- 587580
AMA/INA
W/S 05 S/B 79
MD

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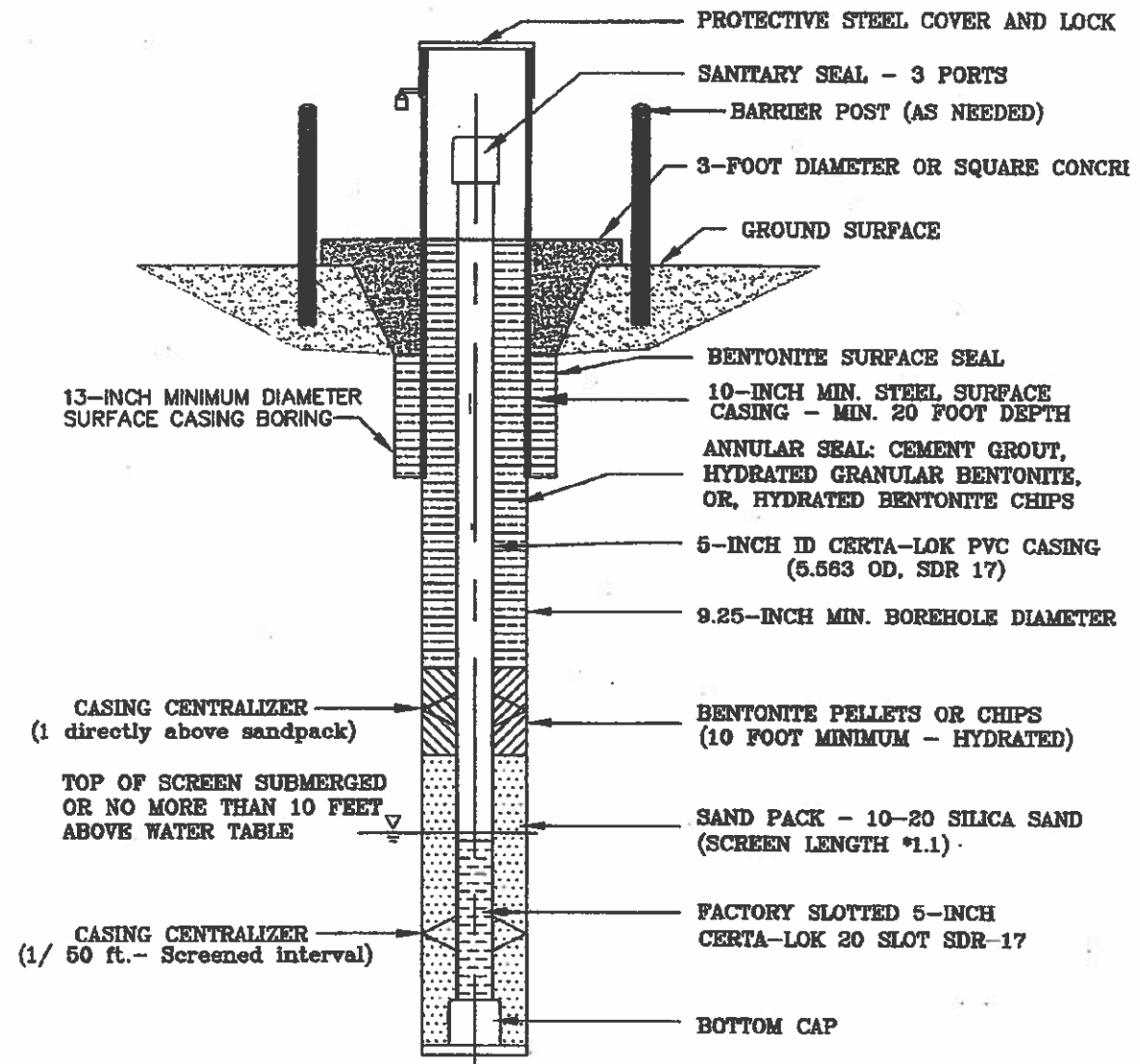
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DWR-55-44a (Rev 1/99)

JUN 25 2001
GROUNDWATER MGT

WELL COMPLETION SCHEMATIC



NOTES: Est. total depth – 460 to 560 feet
Est. screen length 60 to 100 feet
Estimated depth of water 420 TO 440 feet

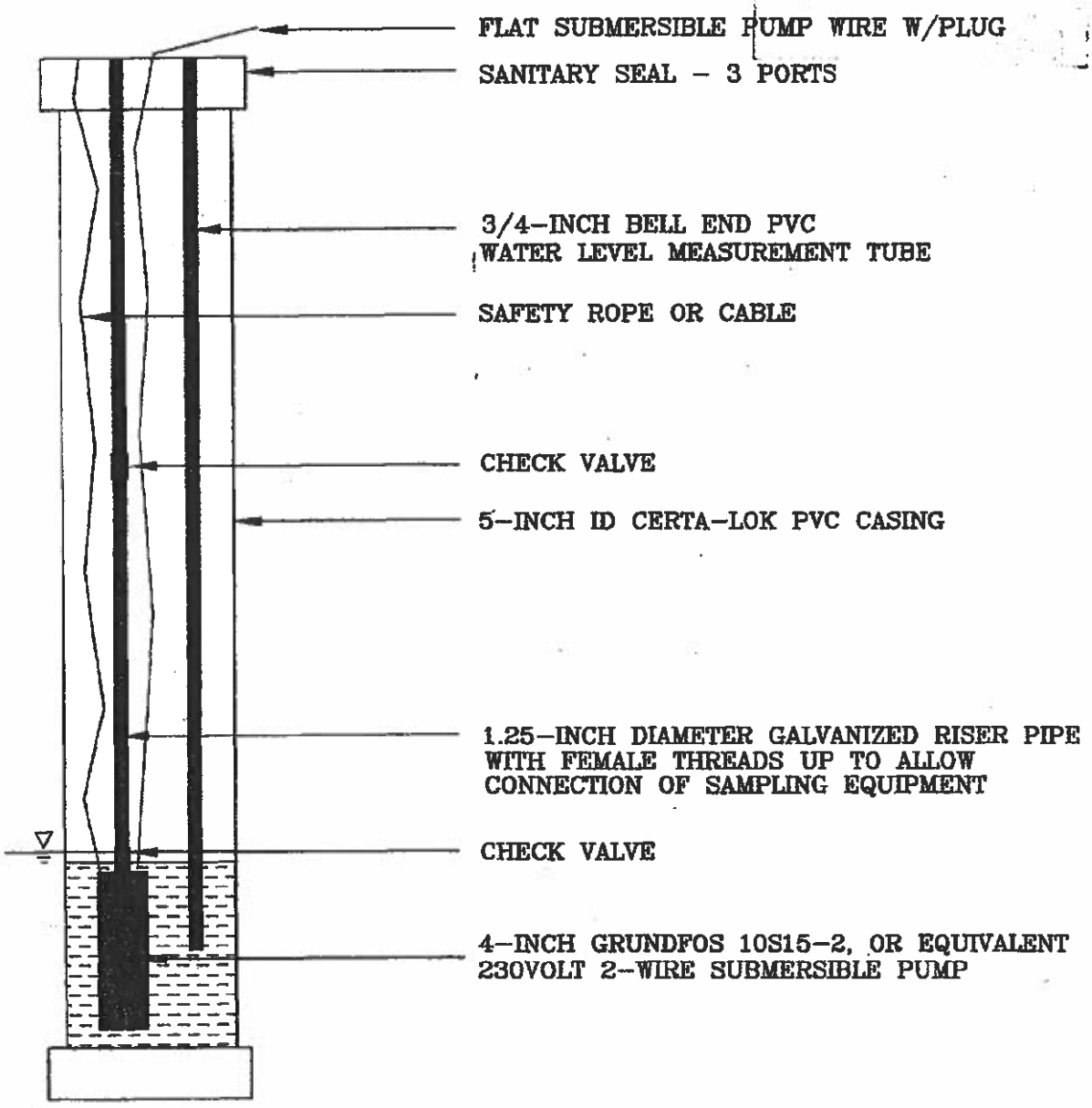
DRAWING NOT TO SCALE

SEDONA WATER TREATMENT FACILITY MONITORING WELL INSTALLATION CITY OF SEDONA	PROPOSED SEDONA WATER TREATMENT FACILITY MONITORING WELL CONSTRUCTION DIAGRAM	FIGURE 1

UPDATE TIME: 1600
0043\BIL \3/7/01\1260U2/DRAFTING 1260U2_GIL_2001_01.DWG F:\SYMBOLS\TB\Tb-logo.jpg

RECEIVED
JUN 25 2001
GROUNDWATER MGT
JUL 20 2001

PUMP INSTALLATION SCHEMATIC



SEDONA WATER TREATMENT FACILITY MONITORING WELL INSTALLATION CITY OF SEDONA	INSTALLATION DIAGRAM PROPOSED PUMP	FIGURE 2

Hydrometrics, Inc.®
consulting scientists, engineers, and contractors

9393 N. 90TH St.
Suite 102 PMB-163
Scottsdale, AZ 85258
(480) 551-2016
Fax: (480) 551-2035
www.hydrometrics.com

RECEIVED
JUN 25 2001
GROUNDWATER MGT

RECEIVED
JUL 20 2001

June 21, 2001

Arizona Department of Water Resources
Groundwater Management Support Section
P.O. Box 458
Phoenix, AZ 85001-2470

RE: Notice of Intention to Drill Monitor Well

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Brian E. Munson

cc. Jim Johnson
Carol Johnson

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2470
Fax (602) 417-2422

June 28, 2001

RECEIVED
JUL 20 2001

CITY OF SEDONA
ATTN CAROL JOHNSON
102 ROADRUNNER DR
SEDONA AZ 86336

Assigned Referenced Number: 55-587580

PLEASE RETURN ALL PAPERS

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Item No. (10.) Select "Yes" or "No":	____	**Item No. (20.) Detailed Construction Diagram:**	____
Insufficient Funds ($10.00 Fee):	____	**Incorrect/Unauthorized Signature**	____

✳ **Other Reasons: SEE ATTACHED ALAN DULANEY LETTER**

Initials: JA

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GROUNDWATER MANAGEMENT SUPPORT SECTION

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RECEIVED
JUN 25 2001
GROUNDWATER MGT

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PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS ON REVERSE SIDE OF THIS FORM BEFORE COMPLETING.

1. Well/land Location:

17 (N/S) 4 (E/W) 36
Township Range Section

SW ¼ NW ¼ NW ¼
10 Acre 40 Acre 160 Acre

2. Position location of the well on the land:

Latitude 34 ° 48 · 50 "
Longitude 111 ° 53 · 30 "

3. County: Coconino

4. Owner of the well:

Name

Mailing Address

City State Zip

Telephone No.

6. Owner of the Land of Wellsite:
Coconino National Forest
Name
P.O. Box 300
Mailing Address
Sedona Az 86336
City State Zip

Telephone No. (520) 282-4119

7. Consulting firm:
Hydrometrics, Inc.
Name
Brian Munson
Contact Person

Telephone No. (480) 551-2016

8. Purpose of well drilled pursuant to this notice:
Monitor App Point of Compliance
Piezometer

9. If for deepening or modifying, list well registration number:
55-

10. Will this proposed well be associated with a permit: Yes X **No**
If yes, Permit No. P-102298

11. Construction will start:
August 15 2001
Month Day Year

12. Period well will remain in use:
30 Months/(Years)

13. For monitoring wells, is pump equipment to be installed?

Yes X No

(a) If yes, design pump capacity:
Approx. 10 gpm @ 400'

(b) What use will be made of the water:
Testing and analyses

14 Drilling Firm:

ne

iling Address

State Zip

ephone No.

VR License Number

C License Category

filled with cement

g , pursuant to R12-15-816.

16. Is this well to monitor existing contamination? NO **Potential contamination:** Yes **Please explain:** will be used to monitor compliance with Az. Aquifer Water Quality Standards.

17. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? Mr. Koumi Pargh.

18. If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? N/A

DWR-55-44a (Rev 1/99)

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2470
Fax (602) 417-2422

June 28, 2001

CITY OF SEDONA
ATTN CAROL JOHNSON
102 ROADRUNNER DR
SEDONA AZ 86336

Assigned Referenced Number: 55-587580

PLEASE RETURN ALL PAPERS

Dear Applicant:

The Department of Water Resources recently received your Notice of Intent to **Drill Monitor/Piezometer Well**. However, our review indicates that the filing(s) is incomplete under the Groundwater Management Act for the following reason(s):

Item No. (1.) Location of well Incomplete:	____	**Item No. (11.) Give Date to Begin Construction:**	____
Item No. (2.) Incomplete Land Position:	____	**Item No. (12.) Provide Years and/or Months:**	____
Item No. (3.) County Not Given:	____	**Item No. (13.) Select "Yes" or "No":**	____
Item No. (4.) Well Owner Incomplete:	✓	**Item No. (14.) Driller Information Incomplete:**	✓
Item No. (5.) Land Lessee Incomplete:	____	**Item No. (15.) Provide Method To Be Used:**	____
Item No. (6.) Land Owner Incomplete:	____	**Item No. (16.) Answer Not Given (select one):**	____
Item No. (7.) Consulting Firm Incomplete:	____	**Item No. (17.) List Contact(s):**	____
Item No. (8.) Purpose of Well (select one):	____	**Item No. (18.) List Contact(s):**	____
Item No. (9.) Give Registration Number:	____	**Item No. (19.) Insufficient Information:**	____
Item No. (10.) Select "Yes" or "No":	____	**Item No. (20.) Detailed Construction Diagram:**	____
Insufficient Funds ($10.00 Fee):	____	**Incorrect/Unauthorized Signature**	____

✳ **Other Reasons:** SEE ATTACHED ALAN DULANEY LETTER

Initials: JA

In accordance with A.R.S § 45-596; Paragraph D, this application is being returned as a "statement of determination", requesting information necessary to make it correct and complete. If the necessary information is not received by the Department within sixty (60) days, the application may be denied. You would then have to re-initiate the N.O.I. process to receive a drilling authority for this location. If you have any questions, please contact the Groundwater Management Support Section at (602) 417-2470. **ATTACH THIS CHECK LIST WHEN RESUBMITTING THE COMPLETED NOTICE OF INTENT AND RETURN TO BOX 458, PHOENIX, ARIZONA 85004-3003. YOU MAY ALSO CONTACT YOUR DRILLER OR COUNTY ASSESSORS OFFICE FOR ASSISTANCE PERTAINING TO THE NECESSARY INFORMATION THAT IS REQUIRED TO COMPLETE YOUR APPLICATION.**

ARIZONA DEPARTMENT OF WATER RESOURCES
Groundwater Management Support Section
500 North Third Street, Phoenix, Arizona 85004
Telephone 602 417-2470
Fax 602 417-2422
June 27, 2001

JANE DEE HULL
Governor

JOSEPH C. SMITH
Director

Carol Johnson
Assistant City Engineer
City of Sedona
102 Roadrunner Dr.
Sedona, AZ 86336

RE: Well Registration # 55-587580 Well File A (17-4) 36 BBC

Dear Ms. Johnson:

Your application to drill a monitor well in Coconino County was received on June 25, 2001. The Department has determined that it is incorrect and incomplete. No owner of the well has been specified in item 4. You must specify the owner of the well. You have specified that the owner of the land where the proposed well will be located is the Coconino National Forest. Before the Department will issue any drilling authority, we must have a letter of authorization from the land management agency which owns the land indicating that they are aware of the upcoming project and approve of the installation of the proposed well.

On item 14 you must identify the licensed drilling contractor that will drill the well. The drilling authority is issued directly to the drilling contractor for the specified well in the specified location. The Department cannot issue a drilling authority if no drilling firm is named.

You will be contacted directly by the Hydrology Division if any technical questions arise concerning the proposed well construction details during the substantive review.

In accordance with A.R.S. § 45-596.D, this application is being returned to you requesting information necessary to make it complete and correct. As a courtesy, we are sending a copy of this letter to your consultant, Hydrometrics, Inc. Please return all papers. If the necessary information is not received by the Department within sixty (60) days, the application may be denied. You would then have to re-initiate the Notice of Intent to Drill process to receive a drilling authority for this location.

If you have any questions, please call the Groundwater Management Support Section at 602-417-2470. Thank you for your cooperation.

Sincerely,

Alan R. Dulaney

cc: Brian Munson
Hydrometrics, Inc.
PMB-163
9393 N. 90th Street
Suite 102
Scottsdale, AZ 85258

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION

MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT 602-417-2470

RECEIVED
JUN 25 2001
GROUNDWATER MGT

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS ON REVERSE SIDE OF THIS FORM BEFORE COMPLETING.

1. **Well/land Location:**
17 (N/S) 4 (E/W) 36
Township Range Section
SW ¼ NW ¼ NW ¼
10 Acre 40 Acre 160 Acre

2. **Position location of the well on the land:**
Latitude 34 ° 48 ' 50 "
Longitude 111 ° 53 ' 30 "

3. **County:** Coconino

4. **Owner of the well:**
Name
Mailing Address
City State Zip
Telephone No.

5. **Lessee of the land of wellsite:**
City of Sedona
Name
102 Roadrunner Dr.
Mailing Address
Sedona Az 86336
City State Zip
Telephone No. (520) 204-2234

6. **Owner of the Land of Wellsite:**
Coconino National Forest
Name
P.O. Box 300
Mailing Address
Sedona Az 86336
City State Zip
Telephone No. (520) 282-4119

7. **Consulting firm:**
Hydrometrics, Inc.
Name
Brian Munson
Contact Person
Telephone No. (480) 551-2016

8. **Purpose of well drilled pursuant to this notice:**
Monitor App Point of Compliance
Piezometer

9. **If for deepening or modifying, list well registration number:**
55-

FOR DEPARTMENT USE ONLY
File No. A(17-4)36BBC
Filed By
Input By
DUPLICATE
Mailed By
Registration 55- 587580
AMA/INA
W/S 05 S/B 79
MD

10. **Will this proposed well be associated with a permit:** Yes X No
If yes, Permit No. P-102298

11. **Construction will start:**
August 15 2001
Month Day Year

12. **Period well will remain in use:**
30 Months/(Years)

13. **For monitoring wells, is pump equipment to be installed?**
Yes X No

(a) If yes, design pump capacity:
Approx. 10 gpm @ 400'

(b) What use will be made of the water:
Testing and analysis

14. **Drilling Firm:**
Name
Mailing Address
City State Zip
Telephone No.
DWR License Number
ROC License Category

15. **Proposed method of abandonment of well after project is completed:** the hole will be filled with cement grout or clean sand w/ bentonite, with a grout top plug, **pursuant to R12-15-816.**

16. **Is this well to monitor existing contamination?** No **Potential contamination:** Yes **Please explain:** will be used to monitor compliance with Az. Aquifer Water Quality Standards.

17. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? Mr. Koumi Parghi

18. If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? N/A

DWR-55-44a (Rev 1/99)

19. WELL CONSTRUCTION PLAN:

a) Drilling method (mud rotary, hollow-stem auger, etc.) Air rotary / mud (if needed)

b) Borehole diameters: 13 inches from 0 feet to 20 (est) feet.
9.25" inches from 20 (est) feet to ± 500 (TD) feet.

c) Casing materials (PVC, steel, hollow-stem auger, etc.)
material steel diameter 10 inches from 0 feet to 20 (est) feet.
material PVC diameter 5.563 inches from 20 feet to ± 500 (TD) feet.

d) Method of sealing at reductions bentonite and/or cement seal

e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated):
material bentonite or bentonite cement method tremied from 0 feet to top of sandpack feet.
material _____ method _____ from _____ feet to _____ feet.

f) Filter packs (state material):
material silica sand (10-20) from above screen int. (est) feet to ± 500 (TD) feet.
material _____ from _____ feet to _____ feet.

g) Perforations or screen specifications:
Type .020" slotted PVC from through water-bearing matl feet to ± 500' (TD) feet.
Type _____ from _____ feet to _____ feet.

h) Method of well development (bail, air lift, surge) air lift and/or bail

i) Will surface or conductor casing extend above grade?: Yes X No _____

20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

I state that this Notice is filed in compliance with Rule A.A.C. R12-15-809, is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on this form.

JAMES C. JOHNSON, DIR. OF WASTEWATER James C. Johnson 6/18/01
Typed or Printed Name and Title **Signature [ ] Land Owner [X] Lessee of Wellsite, Title** **Date**

Necessary Steps and Instructions to Obtain Drilling Authority (Monitor/Piezometer Wells)

1. Arizona Revised Statues ("A.R.S.") § 45-596 provides that prior to drilling a monitor or piezometer well, a Notice of Intention to Drill must be filed with the Department. To assist you in understanding the substantive requirements for this application, copies of A.R.S. § 45-596 and Arizona Administrative Code ("A.A.C.") R12-15-810 are available thru the department bookstore.
2. Information to complete items 1, 2, and 3 may be available from your County Tax Receipt or your County Assessors Office.
3. Information to complete item 9 is available from your copy of the original Notice of Intent to Drill or our Records Division at (602)417-2405.
4. Information to complete items 11, 14 and 15 may be available from your driller.
5. If an individual other than the land owner or lessee signs this notice, an original **notarized** letter of authorization from the land owner/lessee, stating that the individual has permission to sign this specific Notice on his or her behalf, must accompany the Notice of Intention to Drill a Monitor/Piezometer Well.
6. Please complete two original notices with original signatures and include a $10.00 check or money order for the processing fee, in accordance with A.R.S. § 45-113. Submit them to: P.O. Box 458, Phoenix, Arizona 85001-0458.

TIME FRAME FOR REVIEW OF YOUR APPLICATION

Within 15 days after receipt of your Notice of Intention, the Arizona Department of Water Resources ("Department") will determine whether your application should be granted or denied, unless this time is extended for lack of a complete application. If your application is incomplete, the Department will notify you in writing and will specify what information is necessary to make the application complete. Until the missing information is received, the time frame for review of your application will be suspended. Your application will not be complete until all of the requested information is received. If you do not supply the missing information within sixty (60) days, the Department may deem your application withdrawn and close the file.

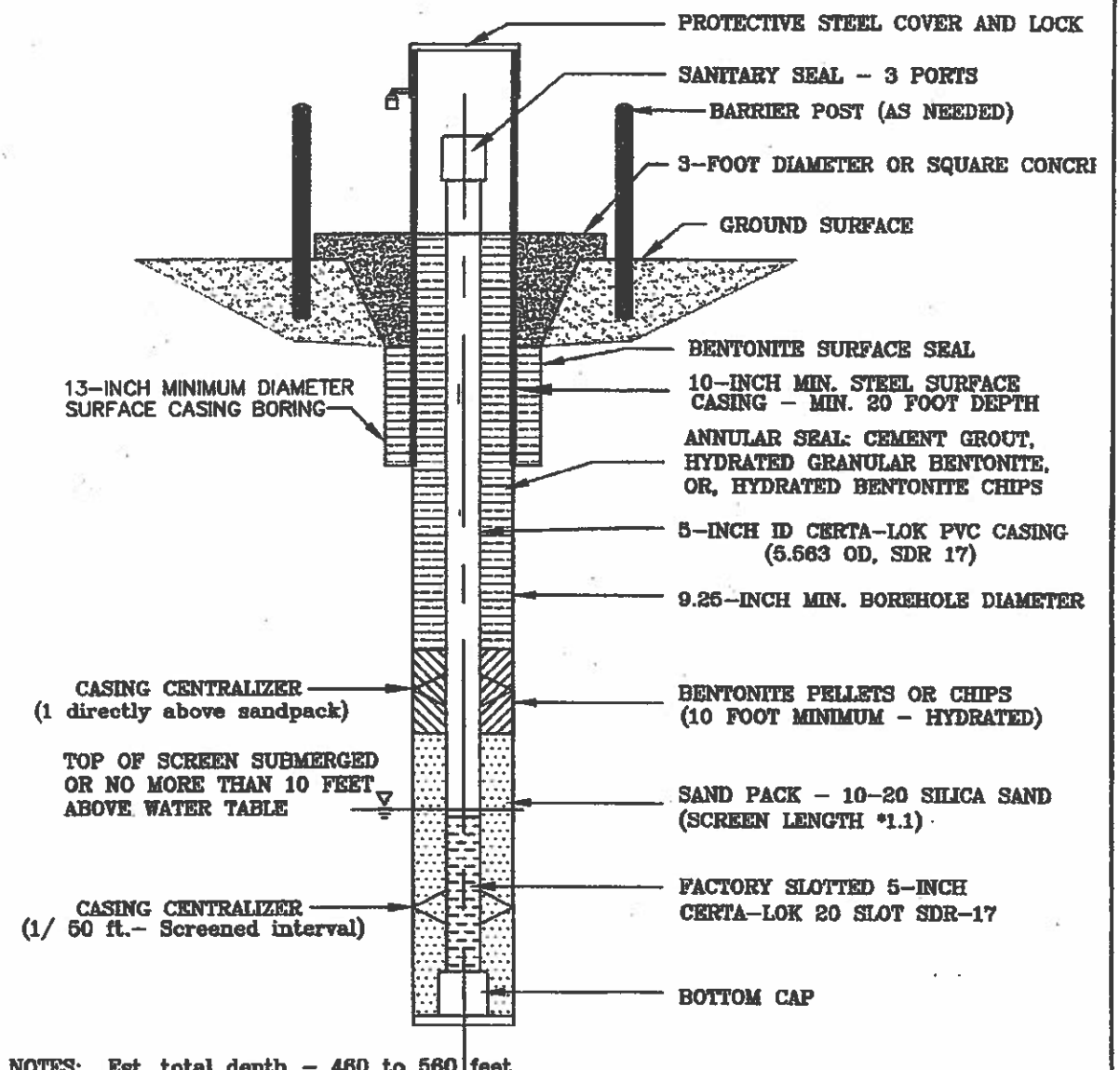
At the end of its review, the Department will send you written notice either granting or denying your application for drilling authority. If your application is approved, the Drill Card will be mailed directly to the drilling company. If denied, the Department's notice will state justification for the denial and an explanation of your right to appeal.

Construction and Follow-up Requirements

1. Construction and abandonment standards for all wells must be in accordance with Department Rules.
2. A.A.C. Rule R12-15-811(H)(2) requires a monitor well to be identified as such on the vault cover or at the top of the steel casing. Identification information must include the well registration number.
3. Pursuant to A.R.S. § 45-596(E), drilling, deepening or modification of the well must be completed within one year after the date of the Notice of Intent.
4. A Well Driller Report is required within thirty (30) days of completion of drilling. Within thirty (30) days after installation of pumping equipment in monitor wells, a Completion Report must be filed with the Department.
5. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual total volume of 10 acre feet.
6. Special construction standards required pursuant to A.A.C. Rule R12-15-821: _____

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JUN 25 2001
GROUNDWATER MGT

WELL COMPLETION SCHEMATIC



NOTES: Est. total depth – 460 to 560 feet
Est. screen length 60 to 100 feet
Estimated depth of water 420 TO 440 feet

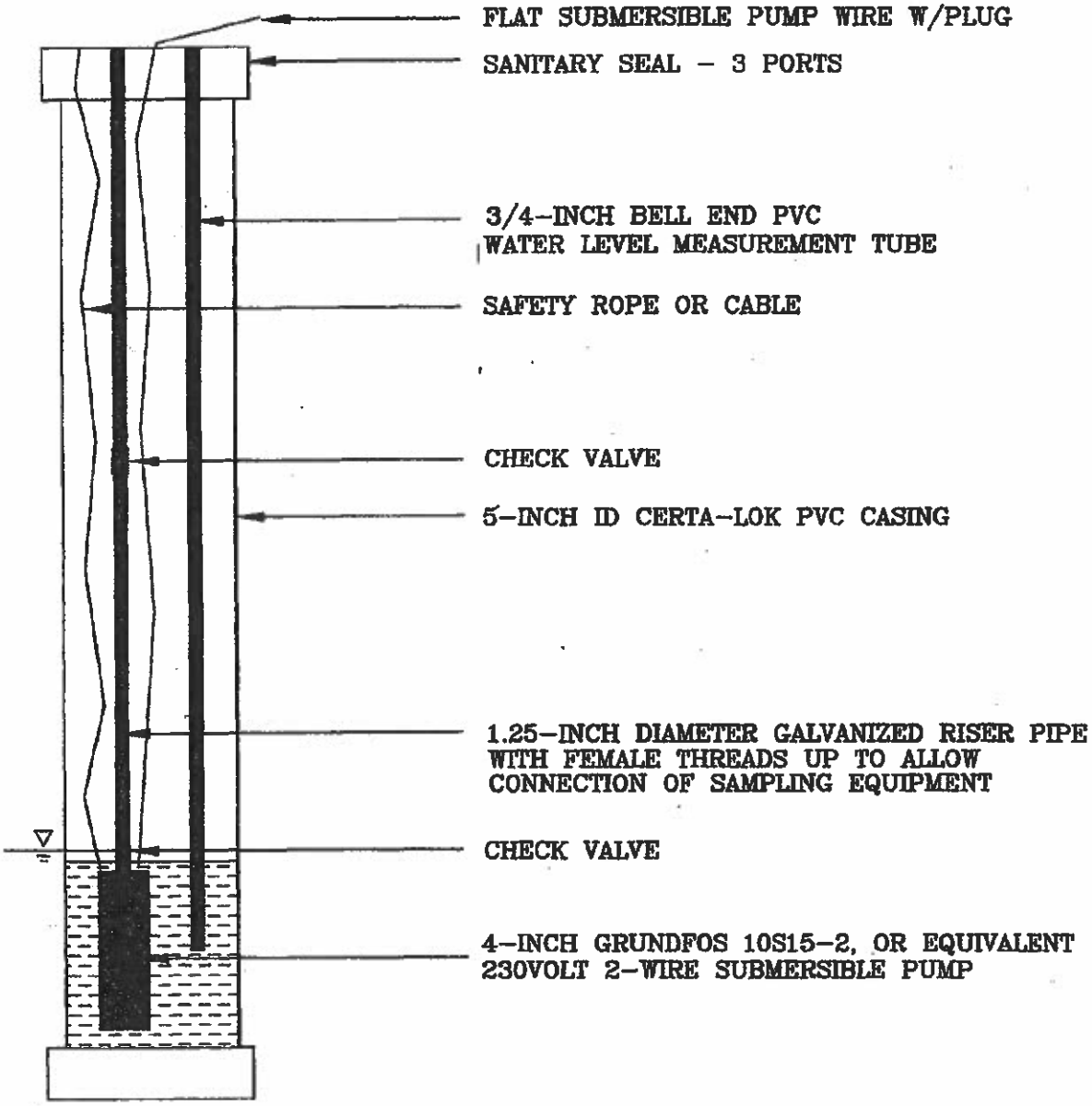
DRAWING NOT TO SCALE

SEDONA WATER TREATMENT FACILITY MONITORING WELL INSTALLATION CITY OF SEDONA	PROPOSED SEDONA WATER TREATMENT FACILITY MONITORING WELL CONSTRUCTION DIAGRAM	FIGURE 1

UPDATE TIME: 1600
0043\BIL \3/7/01\1260U2/DRAFTDWG 1260U2_BIL_2001_01.DWG I:\SYMBOLS\TB\Tb-logo.jpg

RECEIVED
JUN 25 2001
GROUNDWATER MGT

PUMP INSTALLATION SCHEMATIC



SEDONA WATER TREATMENT FACILITY MONITORING WELL INSTALLATION CITY OF SEDONA	INSTALLATION DIAGRAM PROPOSED PUMP	FIGURE 2

Hydrometrics, Inc.®
consulting scientists, engineers, and contractors

9093 N. 90TH St.
Suite 102 PMB-163
Scottsdale, AZ 85258
(480) 551-2016
Fax: (480) 551-2035
www.hydrometrics.com

RECEIVED
JUN 25 2001
GROUNDWATER MGT

June 21, 2001

Arizona Department of Water Resources
Groundwater Management Support Section
P.O. Box 458
Phoenix, AZ 85001-2470

RE: Notice of Intention to Drill Monitor Well

To Whom it May Concern:

Enclosed please find a completed form for a Notice of Intention to Drill Monitor Well, being submitted on behalf of the City of Sedona. Included with the submittal, please also find a well completion schematic and pump installation schematic which detail the construction specifications for the well. As indicated, this is a monitoring well to be installed as a point of compliance for the City's Aquifer Protection Permit. It is intended that the well will be installed in August 2001.

A secondary goal of this project is to obtain useful information with respect to the feasibility of injecting treated water into strata above the regional water table. We intend to conduct the testing described below at the same time as we are constructing the monitor well. While we believe that the proposed testing will not impact the integrity of the well, we are submitting the details about the testing process for your consideration.

We intend to use an open-ended pipe testing method, which involves drilling a borehole to the base of the test interval, in this case 100, 200, and 300 feet. A depth of 300 feet was chosen based on an estimated regional water table depth of 400 feet. This allows approximately 100 feet of stratigraphic separation between the test interval and the water table.

This method involves installation of an un-tooled, open-ended pipe into the borehole. This pipe is used to add water to the borehole from the bottom of the hole upward. This method reduces the chance of vapor lock and wall sloughing that could occur if water was added from the surface. A pressure transducer is installed in the annulus to record water levels. Potable water is then added to the borehole. Water levels and pumping rates are recorded. Data obtained from the test is analyzed to assess injection potential for the well.

Following the testing, the monitor well will be completed as indicated in the attached schematics.

If you have any questions at all regarding these submittals, please do not hesitate to call me at (480) 551-2016.

Sincerely,

Brian E. Munson

cc. Jim Johnson
Carol Johnson

Arizona Department of Water Resources
Water Management Division
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8627 • (602) 771-8690 fax
www.azwater.gov

Well Driller Report and Well Log

NA

THIS REPORT MUST BE FILED WITHIN **30 DAYS** OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK.

FILE NUMBER

WELL REGISTRATION NUMBER
55 - 921247

PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

Mail To:

NAME: KP Ventures Well Drilling & Pump Co

ADDRESS: PO Box 2411

CITY / STATE / ZIP: Cottonwood AZ 86326

DWR LICENSE NUMBER: 562

TELEPHONE NUMBER: 928-639-1709

FAX: 928-634-9336

RECEIVED
JUN 05 2018
ADWR

SECTION 2. REGISTRY INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: City of Sedona

MAILING ADDRESS: 102 Roadrunner Drive

CITY / STATE / ZIP CODE: Sedona, AZ 86336

CONTACT PERSON NAME AND TITLE:

TELEPHONE NUMBER: 928-203-5135

FAX:

WELL NAME (e.g., MW-1, PZ-3, Lot 25 Well, Smith Well, etc.): POC-4B

Location of Well

WELL LOCATION ADDRESS (IF ANY):

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
17 N	04 E	25	SW ¼	SW ¼	SW ¼

LATITUDE			LONGITUDE		
34 ° Degrees	49 ' Minutes	09.0 " N Seconds	111 ° Degrees	54 ' Minutes	02.3 " W Seconds

METHOD OF LATITUDE/LONGITUDE (CHECK ONE)
☒ *GPS: Hand-Held ☐ *GPS: Survey-Grade

LAND SURFACE ELEVATION AT WELL: 3942 Feet Above Sea Level

METHOD OF ELEVATION (CHECK ONE)
☒ *GPS: Hand-Held ☐ *GPS: Survey-Grade

*GEOGRAPHIC COORDINATE DATUM (CHECK ONE)
☒ NAD-83 ☐ Other *(please specify)*:

COUNTY: Yavapai

ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
408	21	463F

SECTION 3. WELL CONSTRUCTION DETAILS

Drill Method

CHECK ALL THAT APPLY

- ☐ Air Rotary
- ☐ Bored or Augered
- ☐ Cable Tool
- ☐ Dual Rotary
- ☐ Mud Rotary
- ☐ Reverse Circulation
- ☐ Driven
- ☐ Jetted
- ☒ Air Percussion / Odex Tubing
- ☐ Other *(please specify)*:

Method of Well Development

CHECK ALL THAT APPLY

- ☒ Airlift
- ☐ Bail
- ☐ Surge Block
- ☐ Surge Pump
- ☐ Other *(please specify)*:

Condition of Well

CHECK ONE

- ☐ Capped
- ☒ Pump Installed

Method of Sealing at Reduction Points

CHECK ONE

- ☐ None
- ☐ Packed
- ☐ Swedged
- ☐ Welded
- ☒ Other *(please specify)*: grout

Construction Dates

DATE WELL CONSTRUCTION STARTED: 01/07/18

DATE WELL CONSTRUCTION COMPLETED: 03/30/18

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY: [signature]

DATE: 5-30-18

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 921247

SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth

DEPTH OF BORING		DEPTH OF COMPLETED WELL	
1,130 feet	Feet Below Land Surface	1,100 feet	Feet Below Land Surface

Water Level Information

STATIC WATER LEVEL		DATE MEASURED	TIME MEASURED	IF FLOWING WELL, METHOD OF FLOW REGULATION
424 feet	Feet Below Land Surface	4/16/18	12:30 pm	☐ Valve ☐ Other:

Borehole

DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)
FROM (feet)	TO (feet)	
0	220	17
220	1,130	12

Installed Casing

DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	220	12	X				X						
0	560	6	X				X						
560	1,100	6	X						X				0.060"

Installed Annular Material

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
						BENTONITE						
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
0	480			X								
480	490							X				
490	500									X		100 mesh
500	1,100								Tacna	X		8x16 mesh

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 921247

SECTION 5. GEOLOGIC LOG OF WELL

DEPTH FROM SURFACE		Description	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)	Describe material, grain size, color, etc.	
0	50	Well graded SAND	
50	68	Gravelly SAND	
68	180	VOLCANICS	T
180	750	SUPAI FORMATION	T
750	920	REDWALL LIMESTONE	T
920	1,130	MARTIN FORMATION	T

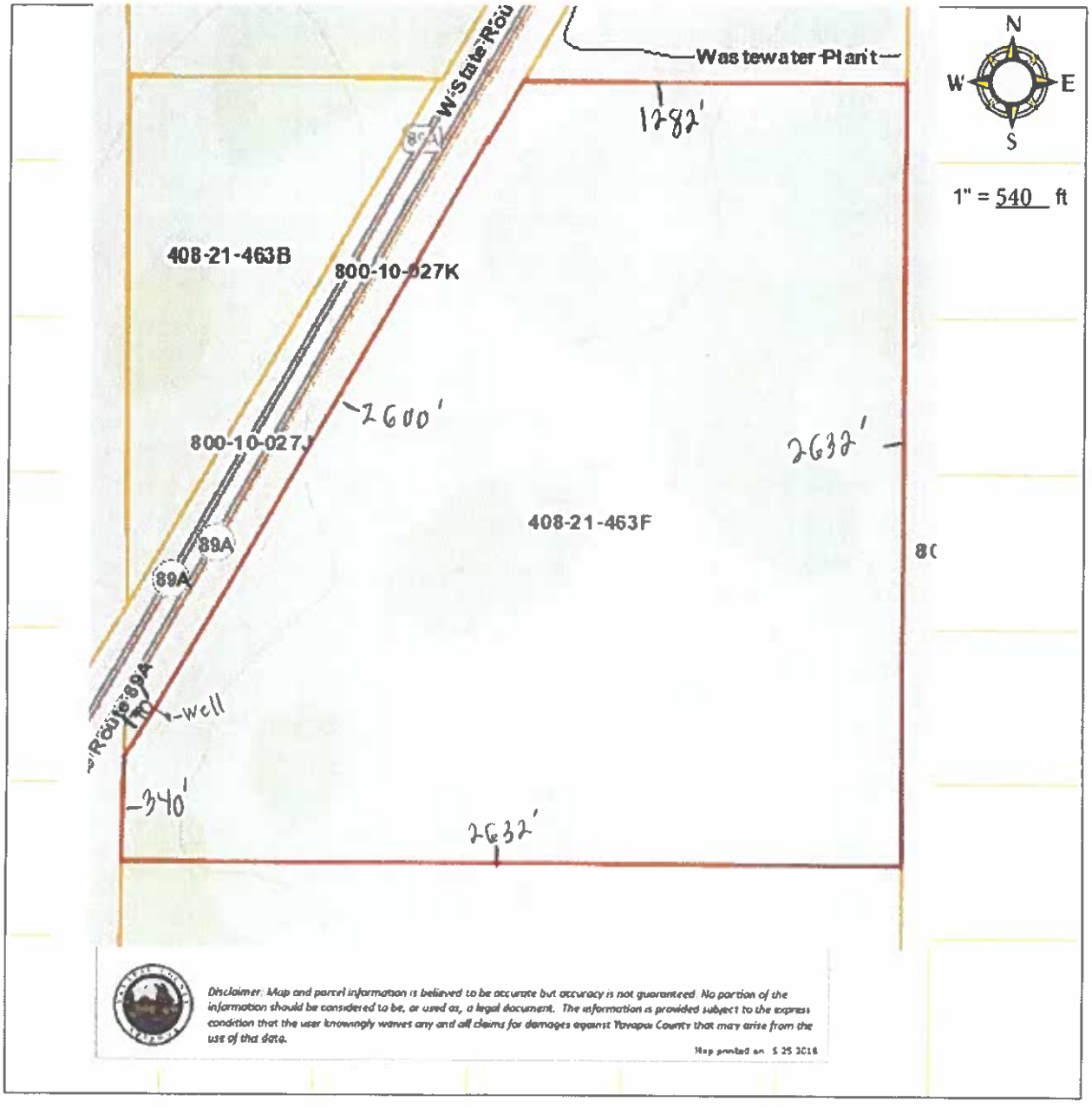
Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 921247

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER	COUNTY ASSESSOR'S PARCEL ID NUMBER		
	BOOK	MAP	PARCEL
City of Sedona	408	21	463F

- Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- Please indicate the distance between the well location and any septic tank system or sewer system.



Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-B4 SHEET 1 OF 12

PROJECT: City of Sedona PROJECT #: B.2369 ADWR WELL #: 55-921247
WELL LOCATION: A (17-4) 25 CCC FOREMAN: Kenny Porter
DRILLING CONTRACTOR: KP Ventures LOGGED BY: Chris Catalano, R.G.
DRILLING EQUIPMENT: Taylor START DATE: 01/07/18 FINISH DATE: 03/30/18
DRILLING METHOD: Dual Tube R/C WATER LEVEL: 424 ft-bgl
TOTAL DEPTH: 1,130 feet bls SAMPLING METHOD: 10 foot composite

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
5			
10			
15			
20			
25			
30		Well graded SAND – 90% very fine to coarse sand of mixed source. 80% of sand is very fine to fine red stained quartz. 15% black volcanics. 10% fine gravel of mixed source. Strong reaction with HCL	
35			
40			
45			
50		Gravelly SAND – 70% fine to coarse sand of mixed source. 30% fine gravel of mixed source. Quartz, Volcanics, mudstone.	
55			
60			
65			
70		VOLCANICS – Debris or ash flow consisting of boulders, cobbles, gravel, sand, and fines of mixed sources. Reaction with HCL.	
75			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 2 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
75		VOLCANICS – Debris or ash flow consisting of boulders, cobbles, gravel, sand, and fines of mixed sources. Reaction with HCL.	
120		Same as above – Cemented formation with large percentage of basalt.	

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 3 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
175		SUPAI FORMATION – Red siltstone to very fine quartz sandstone. Cuttings are composed of fine gravel to silt size. Weak reaction with HCL. Grains are subagular to subround.	
180			
185			
190			
195			
200			
205			
210			
215			
220			
225			
230			
235			
240			
245			
250			
255			
260		Same as above – SUPAI – more variation in color and content. Calcite and quartz present. Cuttings are very fine to coarse sand size. Grainy texture.	
265			
270			
275			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 4 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
275		SUPAI FORMATION – Red siltstone to very fine quartz sandstone. Cuttings are composed of fine gravel to silt size. Weak reaction with HCL. Grains are subagular to subround. High percent of basalt pieces.	
280			
285			
290			
295			
300			
305			
310			
315			
320			
325			
330			
335			
340			
345			
350			
355			
360		SUPAI FORMATION – Brownish red very fine sandy siltstone. No basalt pieces. Cutting samples are sand to fine gavel size.	
365			
370			
375			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 5 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
375		SUPAI FORMATION – Brownish red very fine sandy siltstone to very fine grained silty sandstone. Cutting samples are sand to coarse gravel size.	
380			
385			
390			
395			
400			
405			
410			
415			
420			
425			
430			
435			
440			
445			
450			
455			
460			
465			
470			
475			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 6 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
475		Same as above – SUPAI FORMATION	
480			
485			
490			
495			
500		SUPAI FORMATION – Brownish red very fine sandstone to sandy siltstone. Sand grains are very fine quartz. Cuttings are composed of medium gravel to sand size. Trace basalt.	
505			
510			
515			
520			
525			
530			
535			
540			
545			
550			
555			
560			
565			
570			
575			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 7 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
575		SUPAI FORMATION – Brownish red very fine sandstone to sandy siltstone. Sand grains are very fine quartz. Cuttings are composed of medium gravel to sand size. Trace basalt.	
580			
585			
590			
595		SUPAI FORMATION – Brownish red very siltstone. Trace very fine sand. No reaction with HCL.	
600			
605			
610		Same as above – SUPAI. Trace quartz and sand size Supai pieces.	
615			
620		Same as above – SUPAI. Cutting samples are sand to fine gravel size. Largest piece is 1.25 cm. Trace quartz, basalt and dolomitic LS.	
625			
630		Same as above – SUPAI. Larges fragment is 2 cm.	
635			
640		Same as above – SUPAI. Largest fragment is 0.75 cm.	
645			
650		Same as above – SUPAI. Primarily silt to very fine sand size.	
655			
660		SUPAI FORMATION – Cutting samples is silt to medium size gravel. Gravel is dolomitic LS and smaller pieces are brownish red siltstone.	
665			
670		SUPAI FORMATION – Brownish red siltstone. No reaction with HCL.	
675			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 8 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
675		SUPAI FORMATION – Brownish red very fine sandstone to sandy siltstone. Sand grains are very fine quartz.	
680			
685			
690			
695			
700			
705			
710			
715			
720			
725			
730			
735			
740			
745			
750		REDWALL LIMESTONE – White, fine grained to crystalline limestone. Strong reaction with HCL. Many red stained pieces. No fossils seen. Trace basalt. Cutting sample consists of primarily fine to coarse sand size pieces.	
755			
760			
765			
770			
775			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 9 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
775		Same as above - REDWALL LIMESTONE – White, fine grained to crystalline limestone. Strong reaction with HCL. Many red stained pieces. Cutting sample consists of primarily fine to coarse sand size pieces.	
780			
785			
790			
795			
800			
805			
810		Same as above – REDWALL LIMESTONE – increase in basalt fragments.	
815			
820			
825			
830			
835			
840		Same as above – REDWALL LIMESTONE. Highest percent of basalt so far (5-10% of sample).	
845			
850		Same as above – REDWALL LIMESTONE. Less basalt.	
855			
860			
865			
870			
875			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 10 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
875		Same as above - REDWALL LIMESTONE – White, fine grained to crystalline limestone. Strong reaction with HCL. Many red stained pieces. Cutting sample consists of primarily fine to coarse sand size pieces.	
880			
885			
890			
895			
900			
905			
910			
915			
920		MARTIN FORMATION – Dolomite. Grey. Significantly less red staining than above. Slight reaction with HCL. Cutting sample consists of angular sand size pieces.	
925			
930			
935			
940			
945			
950			
955			
960			
965			
970			
975			

Notes:

Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 11 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075		Same as above – MARTIN FORMATION. Dark grey, dolomite to dolomitic limestone. Fine grained. Cutting samples are sand to medium gravel size. Same as above – MARTIN FORMATION. Finer cuttings.	

Notes:

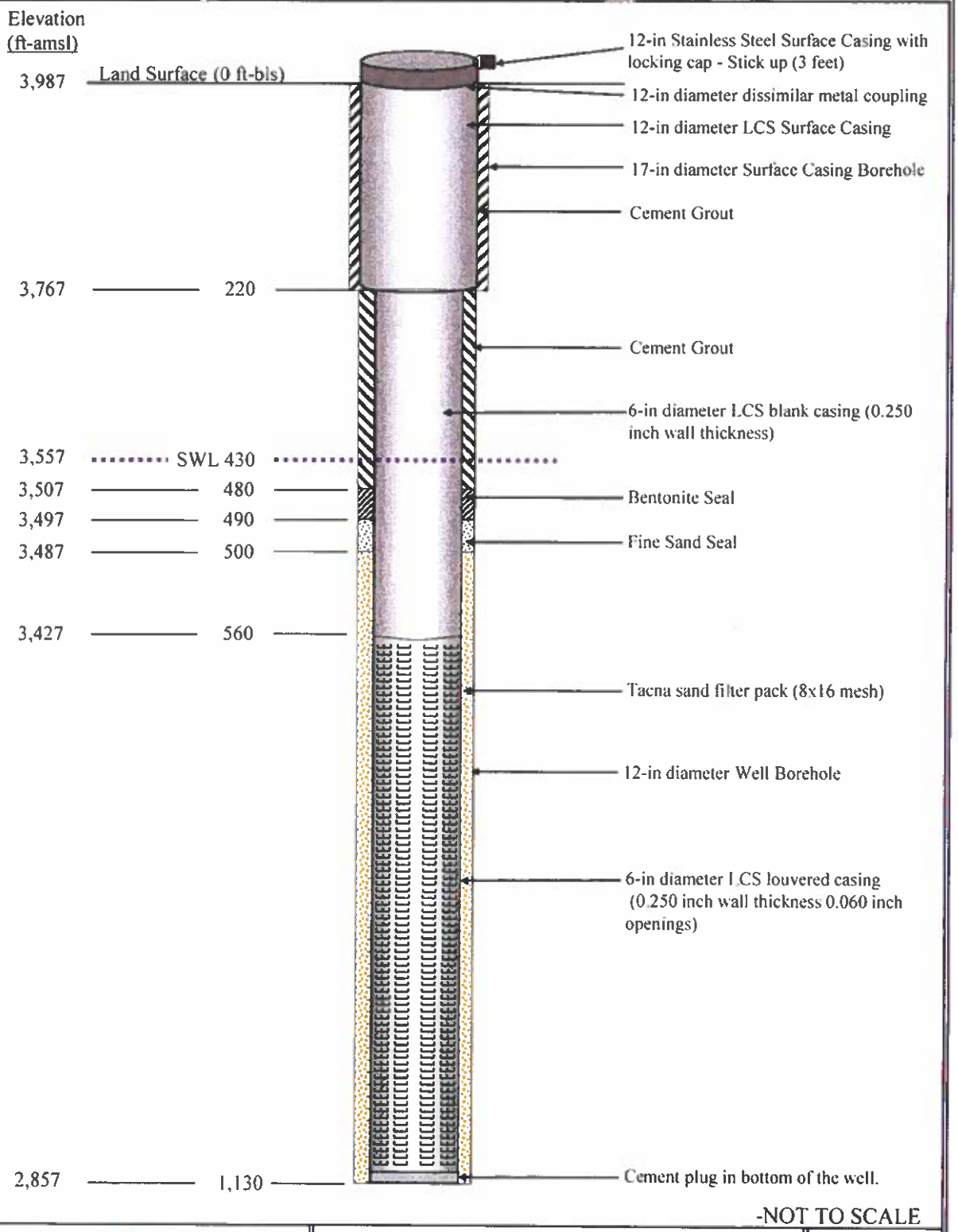
Southwest Groundwater
A DIVISION OF MATRIX NEW WORLD

LOG OF BORING

WELL NO. POC-4B SHEET 12 OF 12

Depth BGS (Feet)	USC Symbol	DESCRIPTION	DETAILS AND/OR DRILLING REMARKS
1075		Same as above – MARTIN FORMATION. Dark grey, dolomite to dolomitic limestone. Fine grained. Cutting samples are sand to medium gravel size.	
1080			
1085			
1090			
1095			
1100			
1105			
1110			
1115			
1120			
1125			
1130		TD – 1,130 feet.	
1135			
1140			
1145			
1150			
1155			
1160			
1165			
1170			
1175			

Notes:



Southwest Groundwater

February 19, 2018 **Project B.2369**

Final Well Design
POC WELL #4B

City of Sedona, Yavapai County, Arizona

Figure 4

ARIZONA DEPARTMENT OF WATER RESOURCES

Phoenix, Arizona 85007

DRILLING CARD

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: **55-921247**

AUTHORIZED DRILLER: **K. P. VENTURES WELL DRILLING & PUMP CO., LLC** LICENSE NO: **562**

NOTICE OF INTENT TO **DRILL A ENV - MONITOR WELL** HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **CITY OF SEDONA**

ADDRESS: **102 ROADRUNNER DR, SEDONA, AZ, 86336**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the **SW** 1/4 of the **SW** 1/4 Section **25** Township **17 N** Range **04 E**

NO. OF WELLS IN THIS PROJECT: **1** ASSESSOR'S PARCEL NO: **408-21-463F**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **1/19/2019**

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING

This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the addres above to correct.

Variance(s) Granted To Driller: **None**

Certification(s) Made By Driller:

- ☑ By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- ☑ By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- ☑ By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.
- ☑ By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- ☑ By checking this box, I understand that the Authorization to drill this well DOES NOT constitute or guarantee an approval to use the well for the purpose of withdrawing groundwater for transportation to an Active Management Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A) without official prior approval from the Department.

ARIZONA DEPARTMENT OF WATER RESOURCES
Electronic Filing - NOI Report

Phoenix, Arizona

NOI Type: Notice of Intent to Drill, Deepen, Modify a Monitor/Piezometer/Environmental Well
Well Type: ENV - MONITOR
Date Received at ADWR Website: 1/19/2018

Fee Paid: $150.00 Order Number: -8095

Well Registration Number: 55 - 921247
Number of Wells/Holes: 1 Drilling Authority Expires On: 1/19/2019

Driller's ADWR License Number: 562

Authorized Driller: K. P. VENTURES WELL DRILLING & PUMP CO., LLC
ROC License Number Entered By Driller: 53
Qualifying Party License Categories: 4

Well Owner Name: CITY OF SEDONA
Well Owner Address: 102 ROADRUNNER DR
Well Owner City, State - Zip: SEDONA, AZ - 86336
Well Owner Phone:

Book: 408 Map:21 Parcel: 463F

Is the Land Owner the same as the Well Owner?: Yes

Well Location: **SW** 1/4 of the **SW** 1/4 of the **SW** 1/4 Section **25** Township **17 N** Range **4 E**

AMA: NOT WITHIN ANY AMA OR INA
County: YAVAPAI
Contamination Site: NOT IN A REMEDIAL ACTION SITE

Primary Water Use: **MONITORING**
Secondary Water Use(s): **N/A**

Is any portion of the land, on which the well is to be located, within 100 feet of a designated municipal provider's operating water distribution system as shown on the municipal provider's most recent digitized service area map filed by the municipal provider with the director of ADWR. **N/A**

Will you be installing a dedicated pump ?: **N/A**

Will the installed pump have a pumping capacity of greater than 35 GPM, or will the well will be used to withdraw greater than 10 Acre Feet per year?: **N/A**

Variance(s) Granted To Driller: **None**

Certification(s) Made By Driller:

☑ By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.

☑ By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.

☑ By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.

☑ By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.

☑ By checking this box, I understand that the Authorization to drill this well DOES NOT constitute or guarantee an approval to use the well for the purpose of withdrawing groundwater for transportation to an Active Management Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A) without official prior approval from the Department.

NOTICE

A.R.S. § 41-1030(B), (D), (E) and (F) provide as follows:

B. An agency shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule or state tribal gaming compact. A general grant of authority in statute does not constitute a basis for imposing a licensing requirement or condition unless a rule is made pursuant to that general grant of authority that specifically authorizes the requirement or condition.

D. This section may be enforced in a private civil action and relief may be awarded against the state. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against the state for a violation of this section.

E. A state employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the agency's adopted personnel policy.

F. This section does not abrogate the immunity provided by section 12-820.01 or 12-820.02.

Arizona Department of Water Resources
Groundwater Permitting and Wells
PO Box 36020 • Phoenix, Arizona 85067-6020
(602) 771-8527 • 602-771-8500
www.azwater.gov

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN **30 DAYS** OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER: A(17-4) 25 CCC
WELL REGISTRATION NUMBER: 55 - 921247
PERMIT NUMBER (IF ISSUED):

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

Mail To:

NAME	DWR LICENSE NUMBER
K. P. VENTURES WELL DRILLING & PUMP CO., LLC	562
ADDRESS: P.O. BOX 2411	TELEPHONE NUMBER: 928-639-1709
CITY / STATE / ZIP: COTTONWOOD, AZ, 86326-2411	FAX

SECTION 1. REGISTRY INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: CITY OF SEDONA

MAILING ADDRESS: 102 ROADRUNNER DR

CITY / STATE / ZIP: SEDONA, AZ, 86336

CONTACT PERSON NAME AND TITLE:

TELEPHONE NUMBER: 928 203-5135

FAX:

WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.):

Location of Well

WELL LOCATION ADDRESS (IF ANY):

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4	40 ACRE 1/4	10 ACRE 1/4

LATITUDE				LONGITUDE			
° DEGREES	' MINUTES	" SECONDS	°N	° DEGREES	' MINUTES	" SECONDS	°W

METHOD OF LATITUDE/LONGITUDE (CHECK ONE)
☐ *GPS: Hand-Held ☐ Conventional Survey ☐ *GPS: Survey-Grade

LAND SURFACE ELEVATION AT WELL: Feet Above Sea Level

METHOD OF ELEVATION (CHECK ONE)
☐ *GPS: Hand-Held ☐ Conventional Survey ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)
☐ NAD-83 ☐ Other (please specify)

COUNTY:

ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

BOOK	MAP	PARCEL
408	21	463F

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method

CHECK ONE
☐ Air Rotary
☐ Bored or Augered
☐ Cable Tool
☐ Dual Rotary
☐ Mud Rotary
☐ Reverse Circulation
☐ Driven
☐ Jetted
☐ Air Percussion / Odex Tubing
☐ Other (please specify)

Method of Well Development

CHECK ONE
☐ Airlift
☐ Bail
☐ Surge Block
☐ Surge Pump
☐ Other (please specify)

Condition of Well

CHECK ONE
☐ Capped
☐ Pump Installed

Method of Sealing at Reduction Points

CHECK ONE
☐ None
☐ Packed
☐ Swedged
☐ Welded
☐ Other (please specify)

Construction Dates

DATE WELL CONSTRUCTION STARTED:

DATE WELL CONSTRUCTION COMPLETED:

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY:

DATE:

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 921247

SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILD) (attach additional page if needed)

Depth

DEPTH OF BORING	DEPTH OF COMPLETED WELL
Feet Below Land Surface	Feet Below Land Surface

Water Level Information

STATIC WATER LEVEL	DATE MEASURED	TIME MEASURED	IF FLOWING WELL, METHOD OF FLOW REGULATION
Feet Below Land Surface			☐ Valve ☐ Other:

Borehole

DEPTH FROM SURFACE		
FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)

Installed Casing

DEPTH FROM SURFACE			MATERIAL TYPE (X)				PERFORATION TYPE (X)						
FROM (feet)	TO (feet)	OUTER (inches)	STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE (inches)

Installed Annular Material

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (X)								FILTER PACK		
						BENTONITE						
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 921247

SECTION 5. GEOLOGIC LOG OF WELL

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	**Description** Describe material, grain size, color, etc.	Check (X) every interval where water was encountered (if known)

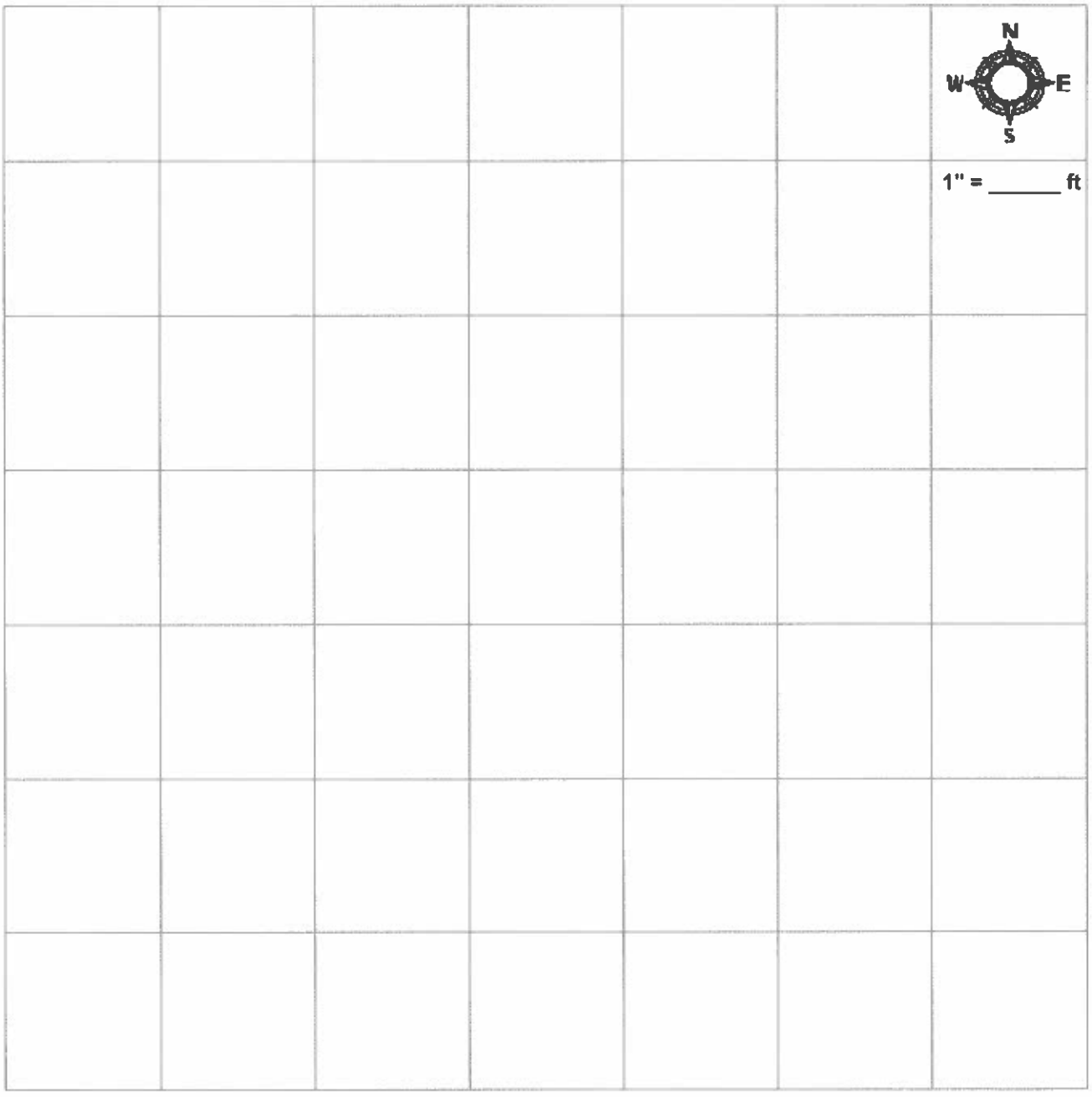
Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 921247

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK	MAP	PARCEL
CITY OF SEDONA	408	21	463F

- Required for all wells, please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- Please indicate the distance between the well location and any septic tank system or sewer system.



Well Driller Report and Well Log

Introduction

These instructions are a guide to filling out Form DWR 55-55 (Rev. 06/15/2010), entitled "Well Driller Report and Well Log." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at any Arizona Department of Water Resources (ADWR) office and at ADWR's web site, http://www.azwater.gov. For information about the form or these instructions, contact Groundwater Permitting & Wells at (602) 771-8500. There is no fee for filing this form.

When Form DWR 55-55 Must be Filed

Within 30 days after completion of the drilling, deepening or modification of a well, the licensed well driller who performed the work must file a Well Driller Report and Log with ADWR. Because the information in the report describes the well as it was actually constructed, and comes from the person who constructed the well, the information is very valuable to ADWR. For that reason, it is very important to fill out the report with the most accurate information possible.

Instructions for Filling out the Form

Well Registration and Permit Numbers

Fill in the registration number of the well and any ADWR permit number associated with the well in the upper right-hand corner of the first page. Also fill in the well registration number in the upper right-hand corner of all other pages so that the well information on those pages can be identified when the pages are separated during computer imaging.

Section 1 - Drilling Authorization

Fill in the name, address, DWR license number and telephone and fax numbers of the drilling firm filing the report.

Section 2 - Registry Information

Well Owner

Fill in the name, mailing address, telephone number and fax number (if available) of the well owner. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

Location of Well

Fill in the following information relating to the location of the well:

- The street address of the property where the well is located. For monitor wells or other wells associated with contaminant investigations or remedial projects, this will usually be the same as the facility address.
- The legal description of the well site. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block within that section. Normally, the legal description will be the same as that given in the original Notice of Intent to drill the well, but occasionally a more accurate description is discovered after the Notice is filed.
- The latitude and longitude (in degrees-minutes-seconds format) and land surface elevation at the well, and the method used to determine these data. **Please note this information is mandatory.** Use of a Global Positioning System (GPS) receiver is the only method accepted by the Department. The GPS unit should be adjusted to use the NAD-83 datum. Please indicate if the geographic coordinate datum used was NAD-83, and if not, which datum was used.
- The name of the county and the tax assessor's parcel identification number for the land where the well is located. This information can normally be taken from the original Notice of Intent to drill the well, and may also be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.

Section 3 - Well Construction Details

Section 3 requires details on the construction of the well. Indicate the drill method by checking the appropriate box. If the drill method is not listed, check the "Other" box and describe the method. To the right of that, indicate the method of well development by checking the

appropriate box. Next, indicate the method of sealing at reduction points. If the method used is not listed, check "Other" and provide a brief explanation. Under *Well Driller Completion Report and Well Log* Form 55-55 Instructions (Rev. 06/2010) Page 2

Condition of Well, indicate whether the well was capped, or a pump was installed, when you left it. Then fill in the date when well construction started, and the date when well construction was completed.

Signature Block

The form must be signed and dated by the qualifying party of the drilling firm.

Section 4 - Well Construction Design (As Built)

Section 4 contains tables to fill in information on the existing borehole, the installed casing and the installed annular material. The tables are broken down by depth interval.

In the first set of boxes, fill in the depth of the boring and the depth of the completed well, as measured in feet below the land surface.

Under **Water Level Information** please indicate the static water level in the well, as measured in feet below the land surface, and the date and time the water level was measured. If the well is a flowing well, include the method by which the artesian flow is regulated.

In the **Borehole** table, fill in the diameter of the borehole in inches, and indicate the depth interval for each change in diameter. In the **Installed Casing** table, fill in the outer diameter of the casing in inches, check the appropriate boxes indicating the type of casing material and the type of perforations, and fill in the slot size of any perforations. Fill in the depth interval for each change in information. Please note that not every interval will be perforated. Check the "Blank or None" box for non-perforated depth intervals. If the type of casing material or perforations is not listed, describe the type in the appropriate box.

In the **Installed Annular Material** table, check the appropriate boxes indicating the type of annular material or filter pack installed at each depth interval. Fill in the size of the filter pack used. Provide the depth interval for each change in information. If the type of annular material is not listed, describe the material in the appropriate box.

Section 5 - Geologic Log of Well

Section 5 requires the geologic or lithologic log of the well. Describe the various units encountered during drilling. Provide as much description as possible. The log description must be broken down by depth intervals below ground surface, and every interval where groundwater, including perched groundwater, was encountered must be checked. If a consulting firm was involved with the well construction, the consultant's lithologic log may be submitted in lieu of completing Section 5.

Section 6 - Well Site Plan

In the boxes at the top of Section 6, fill in the name of the well owner and the county tax assessor's parcel identification number for the land where the well is located. Below that, provide a scale drawing of where the well was actually constructed on the parcel, illustrating the property boundaries, the well location and any structures on the property. The drawing must also show the location of any septic tank or sewer systems on the property or within 100 feet of the well, even if on neighboring property, and the distance between the well and the septic tank or sewer system. The drawing should closely match the drawing on the original Notice of Intent to drill the well, but the purpose of this drawing is to show where the well was actually drilled, especially if the location is different than originally planned. This information will be shared with the county.

Where to File Form

Completed forms may be mailed to ADWR at the following address:

Arizona Department of Water Resources
Groundwater Permitting and Wells
PO Box 36020
Phoenix, AZ 85067-6020

Completed forms may also be submitted to ADWR's main office at 1110 W. Washington St. Suite 310., Phoenix, AZ 85007.

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, AZ 85007
602-771-8500
azwater.gov

January 19, 2018

CITY OF SEDONA
102 ROADRUNNER DR
SEDONA, AZ 86336

DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Registration No. 55- 921247
File Number: A(17-4) 25 CCC

Dear Well Applicant:

Enclosed is a copy of the Notice of Intention to Drill (NOI) a well which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed, or made available for download, a drilling authorization card to your designated well drilling contractor. The driller may not begin drilling until he/she has received the authorization, and must keep it in their possession at the well site during drilling. Although the issuance of this drill card authorizes you to drill the proposed well under state law, the drilling of the well may be subject to restrictions or regulations imposed by other entities.

Well drilling activities must be completed within one year after the date the NOI was filed with the Department. If drilling is not completed within one year, a new NOI must be filed and authorization from this Department received before proceeding with drilling. If the well cannot be successfully completed as initially intended (dry hole, cave in, lost tools, etc.), the well must be properly abandoned and a Well Abandonment Completion Report must be filed by your driller [as required by A.A.C. R12-15-816(F)].

If you change drillers, you must notify the Department of the new driller's identity on a Request to Change Well Information (form 55-71A). Please ensure that the new driller is licensed by the Department to drill the type of well you require. A new driller may not begin drilling until he/she receives a new drilling authorization card from the Department.

If you find it necessary to change the location of the proposed well(s), you may not proceed with drilling until you file an amended NOI with the Department. An amended drilling authorization card will then be issued to the well drilling contractor, which must be in their possession before drilling begins.

Arizona statute [A.R.S. § 45-600] requires registered well owners to file a Pump Installation Completion Report (form 55-56) with the Department within 30 days after the installation of pumping equipment, if authorized. A blank report is enclosed for your convenience. State statute also requires the driller to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A blank report form was provided to your driller with the drilling authorization card. You should insist and ensure that all of the required reports are accurately completed and timely filed with the Department.

Please be advised that Arizona statute [A.R.S. § 45-593(C)] requires a registered well owner to notify the Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep this well registration file current and accurate. Any change in well information or a request to change well driller must be filed on a Request to Change Well Information form (form 55-71A) that may be downloaded from the ADWR Internet website at www.azwater.gov.

Sincerely,

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Engineering and Permits Division
Phoenix, AZ 85007
602-771-8500

NOTICE TO WELL DRILLERS

This is a reminder that a valid drill card be present for the drilling of each and every well constructed on a site.* The problem seems to occur during the construction of a well when an unexpected problem occurs. Either the hole collapses, the hole is dry, a drill bit is lost and can't be recovered, or any number of other situations where the driller feels that he needs to move over and start another well. If you encounter this type of scenario, please be aware drillers do not have the authority to start another well without first obtaining drilling authority for the new well. Please note the following statutes and regulations pertaining to well drilling and construction:

ARIZONA REVISED STATUTE (A.R.S.)

A.R.S. § 45-592.A.

A person may construct, replace or deepen a well in this state only pursuant to this article and section 45-834.01. The drilling of a well may not begin until all requirements of this article and section 45-834.01, as applicable, are met.

***

A.R.S. § 594.A.

The director shall adopt rules establishing construction standards for new wells and replacement wells, the deepening and abandonment of existing wells and the capping of open wells.

***

A.R.S. § 600.A

A well driller shall maintain a complete and accurate log of each well drilled.

ARIZONA ADMINISTRATIVE CODE (A.A.C.)

A.A.C. R12-15-803.A.

A person shall not drill or abandon a well, or cause a well to be drilled or abandoned, in a manner which is not in compliance with A.R.S. Title 45, Chapter 2, Article 10, and the rules adopted thereunder.

***

A.A.C. R12-15-810.A.

A well drilling contractor or single well licensee may commence drilling a well only if the well drilling contractor or licensee has possession of a drilling card at the well site issued by the Director in the name of the well drilling contractor or licensee, authorizing the drilling of the specific well in the specific location.

***

A.A.C. R12-15-816.F.

In the course of drilling a new well, the well may be abandoned without first filing a notice of intent to abandon and without an abandonment card.

*** THIS REQUIREMENT DOES NOT PERTAIN TO THE DRILLING OF MINERAL EXPLORATION, GEOTECHNICAL OR HEAT PUMP BOREHOLES**

Arizona Department of Water Resources
Groundwater Permitting and Wells Section
PO Box 36020 , Phoenix, AZ 85067-6020
(602) 771-8527 • 1-800-352-8488
www.azwater.gov

Landowner Authorization to Drill or Abandon a Well on Landowner's Parcel

Landowner Authorization to Drill or Abandon a Well by a Third Party on Landowner's Parcel Pursuant to A.R.S. § 45-596 and A.A.C. R12-15-809

FILE NUMBER
A(17-4) 25 CCC
WELL REGISTRATION NUMBER
55 - 921247

The Arizona Department of Water Resources requires a well driller or well owner to obtain written permission from the owner of the land on which they intend to drill or abandon a well. Landowners, or their designated representative, must authorize the well to be drilled or abandoned with their signature on the Notice of Intent or on this form, to be attached to the Notice of Intent form.

PARCEL ADDRESS _____

COUNTY PARCEL ID 408 (BOOK) - 21 (MAP) - 463F (PARCEL) COUNTY YAVAPAI

In accordance with A.R.S. § 45-496 and A.A.C. R12-15-809, I certify that:

☐ I am the owner of the parcel on which I am giving permission for a well to be ☐ drilled or ☐ abandoned.

☐ I am an authorized representative of the owner of the parcel on which I am giving permission for a well to be ☐ drilled or ☐ abandoned.

SIGNATURE

TYPE OR PRINT NAME OF LANDOWNER / RESPRESENTATIVE	TITLE
SIGNATURE	DATE SIGNED

Appendix G -

Environmental Database

200 Acres of Land
State Rout 89A and Forest Service Road 89B
Sedona, AZ 86336

Inquiry Number: 8113579.2s
September 18, 2025

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800 352 0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

STATE ROUT 89A AND FOREST SERVICE ROAD 89B
SEDONA, AZ 86336

COORDINATES

Latitude (North):	34.8210840 - 34° 49' 15.90"
Longitude (West):	111.8957120 - 111° 53' 44.56"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	418084.2
UTM Y (Meters):	3853370.8
Elevation:	4026 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50000724 PAGE SPRINGS, AZ
Version Date:	2021
East Map:	50000876 SEDONA, AZ
Version Date:	2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20230615
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
STATE ROUT 89A AND FOREST SERVICE ROAD 89B
SEDONA, AZ 86336

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	SEDONA, CITY OF - WW	19655 HIGHWAY 89A	FINDS, Aquifer, WWFAC	Higher	2336, 0.442, North

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-VSQG ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

AZ NPL..... NPL Detail Listing
AZ WQARF..... Water Quality Assurance Revolving Fund Sites

Lists of state- and tribal hazardous waste facilities

SPL..... Superfund Program List
SHWS..... ZipAcids List

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Directory of Solid Waste Facilities

Lists of state and tribal leaking storage tanks

LUST..... Leaking Underground Storage Tank Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Listing
AST..... List of Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AZURITE..... Remediation and DEUR/VEMUR Tracking System
AUL..... DEUR Database

Lists of state and tribal voluntary cleanup sites

VCP..... Voluntary Remediation Program Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Tracking System

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE..... Solid Waste Tire Facilities

INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
CDL	Clandestine Drug Labs
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Hazardous Material Logbook
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File

ABANDONED MINES	Abandoned Mines
MINES MRDS	Mineral Resources Data System
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
UST FINDER RELEASE	UST Finder Releases Database
UST FINDER	UST Finder Database
E MANIFEST	Hazardous Waste Electronic Manifest System
PFAS	PFAS Contamination Site Listing
AQUEOUS FOAM	Aqueous Film Forming Foam Listing
AIRS	Arizona Airs Database
Aquifer	Aquifer Protection Permits List
AZ DOD	Department of Defense Sites
Dry Wells	Drywell Registration
DRYCLEANERS	Drycleaner Facility Listing
EMAP	All Places of Interest Listing
Enforcement	Enforcement and Violation Listing
Financial Assurance	Financial Assurance Information Listing
MANIFEST	Facility and Manifest Data
SPDES	NPDES
VAPOR	Vapor Intrusion
UIC	Underground Injection Control Wells
DRYWELLS HIST	Historical Drywells Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

WWFAC: Statewide list of waste water treatment facilities.

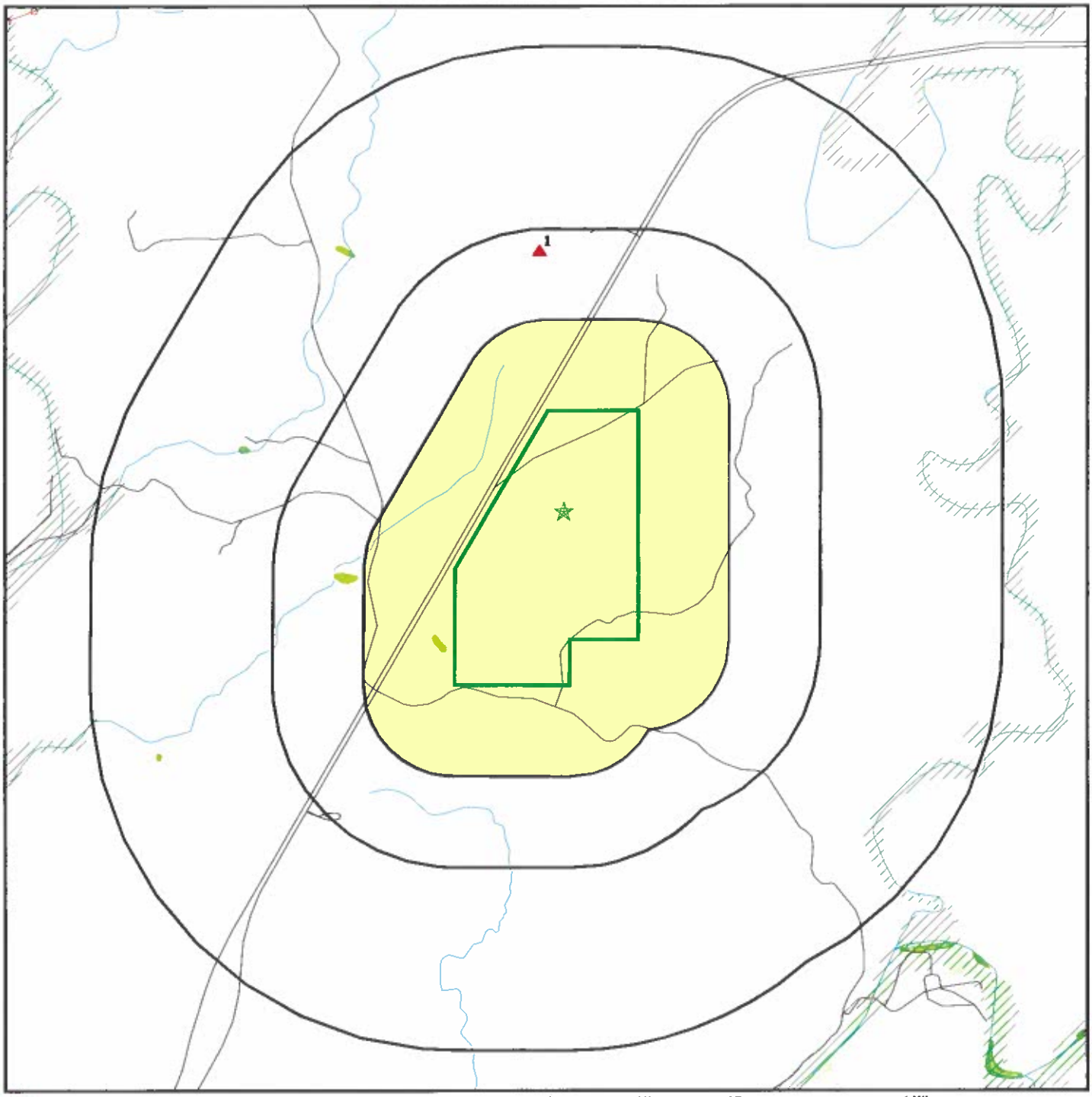
A review of the WWFAC list, as provided by EDR, and dated 07/09/2012 has revealed that there is 1 WWFAC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEDONA, CITY OF - WW Place ID: 1824	***19655 HIGHWAY 89A***	***N 1/4 - 1/2 (0.442 mi.)***	*1*	*8*

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 8113579.2S



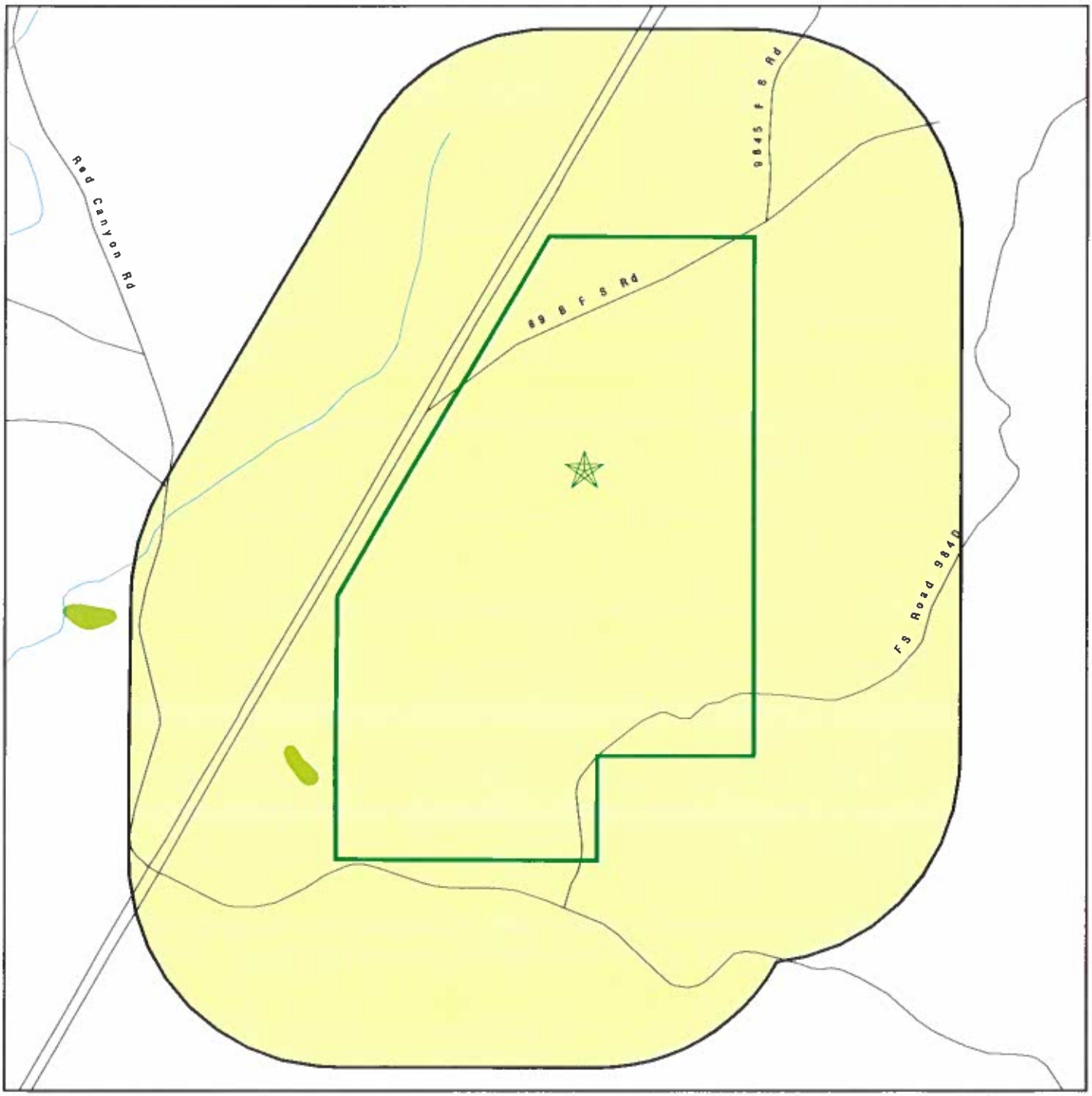
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- DOD Sites: AZ DEQ
- Water Quality Assurance Revolving Fund Areas
- AZ NPL

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 200 Acres of Land	CLIENT: Ninyo & Moore
ADDRESS: State Rout 89A and Forest Service Road 89B Sedona AZ 86336	CONTACT: Jennifer Anderson
LAT/LONG: 34.821084 / 111.895712	INQUIRY #: 8113579.2s DATE: September 18, 2025 7:26 pm

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DETAIL MAP - 8113579.2S



0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- DOD Sites: AZ DEQ
- Water Quality Assurance Revolving Fund Areas
- AZ NPL

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	200 Acres of Land	CLIENT:	Ninyo & Moore
ADDRESS:	State Rout 89A and Forest Service Road 89B Sedona AZ 86336	CONTACT:	Jennifer Anderson
		INQUIRY #:	8113579.2s
LAT/LONG:	34.821084 / 111.895712	DATE:	September 18, 2025 7:27 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AZURITE	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
SPILLS 90		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
Aquifer	TP		NR	NR	NR	NR	NR	0
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	TP		NR	NR	NR	NR	NR	0
Enforcement	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WWFAC	0.500		0	0	1	NR	NR	1
DRYWELLS HIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	1	0	0	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
North
1/4-1/2
0.442 mi.
2336 ft.

SEDONA, CITY OF - WWTP
19655 HIGHWAY 89A
SEDONA, AZ 86336

FINDS **1007145599**
Aquifer **N/A**
WWFAC

Relative:
Higher

Actual:
4047 ft.

FINDS:
Registry ID: 110015955171

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Arizona Unified Repository for Informational Tracking of the Environment (AZURITE) is a database used by the Arizona Department of Environmental Quality (ADEQ) for environmental enforcement and compliance reporting to the Permit and Compliance System (PCS) and to the Air Facility System Universal Interface (AFS-UI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AQUIFER:

Name:	CITY OF SEDONA WASTEWATER RECLAMATION PLANT
Address:	19655 HIGHWAY 89A
City,State,Zip:	SEDONA, AZ 86336
Invoice #:	102298
Place ID:	1824
LTF Number:	76812
Permit Type:	APP, Individual Permit, Other Amendment
Permit Status:	I
AZ PDES Permit #:	Not reported
Facility Type:	WASTEWATER TREATMENT PLANT
Latitude:	34.831557069
Longitude:	111.896864888
Issue Date:	07/15/2019
Expire Date:	Not reported
App Name:	City Of Sedona
App Address:	102 ROADRUNNER DR
App City/State/Zip:	SEDONA, AZ 86336
Phone:	(928) 204-2234
Email:	Not reported

WWFAC:

Place ID:	1824
Inventory ID:	102298
Facility Code:	WWTP
Facility Type:	WASTEWATER TREATMENT PLANT

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/05/2025
Date Data Arrived at EDR: 06/20/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/20/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 03/11/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 06/24/2025
Number of Days to Update: 83

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/29/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/19/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/15/2025
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/19/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/15/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/10/2025
Date Data Arrived at EDR: 06/12/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 4

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

AZ NPL: NPL Detail Listing
Detailed site information for NPL sites from the Arizona Department of Environmental Quality.

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81

Source: Department of Environmental Quality
Telephone: 602-771-4609
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

WQARF: Water Quality Assurance Revolving Fund Sites
Sites which may have an actual or potential impact upon the waters of the state, cause by hazardous substances. The WQARF program provides matching funds to political subdivisions and other state agencies for clean-up activities.

Date of Government Version: 04/03/2024
Date Data Arrived at EDR: 05/02/2024
Date Made Active in Reports: 07/24/2024
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Annually

Lists of state- and tribal hazardous waste facilities

SPL: Superfund Program List
The list is representative of the sites and potential sites within the jurisdiction of the Superfund Program Section. It is comprised of the following elements: 1) Water Quality Assurance Revolving Fund Registry Sites; 2) Potential WQARF Registry sites; 3) NPL sites; and 4) Department of Defense sites requiring SPS oversight.

Date of Government Version: 08/25/2004
Date Data Arrived at EDR: 04/04/2018
Date Made Active in Reports: 05/17/2018
Number of Days to Update: 43

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: No Update Planned

SHWS: ZipAcids List
The ACIDS list consists of more than 750 locations subject to investigation under the State Water Quality Assurance Revolving Fund (WQARF) and Federal CERCLA programs. The list is no longer updated by the state.

Date of Government Version: 01/03/2000
Date Data Arrived at EDR: 04/11/2000
Date Made Active in Reports: 05/16/2000
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 09/03/2025
Next Scheduled EDR Contact: 12/22/2025
Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Directory of Solid Waste Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/28/2025
Date Data Arrived at EDR: 03/28/2025
Date Made Active in Reports: 06/18/2025
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 602-771-2300
Last EDR Contact: 06/24/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Listing
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 06/17/2025
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Semi-Annually

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 04/08/2025
Date Data Arrived at EDR: 04/23/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 1

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/24/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

UST: Underground Storage Tank Listing
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 06/18/2025
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Annually

AST 2: Aboveground Storage Tank Listing
A listing of aboveground storage tank site locations.

Date of Government Version: 05/30/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 08/26/2025
Next Scheduled EDR Contact: 12/15/2025
Data Release Frequency: Varies

AST: List of Aboveground Storage Tanks
Aboveground storage tanks that the Dept. of Building & Fire Safety have permitted.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 01/31/2020
Number of Days to Update: 56

Source: Department of Building & Fire Safety
Telephone: 602-364-1003
Last EDR Contact: 08/26/2025
Next Scheduled EDR Contact: 12/15/2025
Data Release Frequency: No Update Planned

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/08/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/15/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AZURITE: Remediation and DEUR/VEMUR Tracking System

ADEQ maintains a repository listing sites remediated under programs administered by the department.

Date of Government Version: 06/06/2025
Date Data Arrived at EDR: 06/11/2025
Date Made Active in Reports: 09/09/2025
Number of Days to Update: 90

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 09/03/2025
Next Scheduled EDR Contact: 12/22/2025
Data Release Frequency: Varies

AUL: DEUR Database

Activity and use limitations include both engineering controls and institutional controls. DEUR and VEMUR sites. DEUR: Declaration of Environmental Use Restriction. A restrictive land use covenant that is required when a property owner elects to use an institutional (i.e., administrative) control or engineering (i.e., physical) control as a means to meet remediation goals. The DEUR runs with and burdens the land, and requires maintenance of any institutional or engineering controls. VEMUR: Voluntary Environmental Mitigation Use Restriction. A restrictive land use covenant that, prior to July 18, 2000, was required when a property owner elected to remediate the property to non-residential uses. Effective July 18, 2000, the DEUR replaced the VEMUR as a restrictive use covenant.

Date of Government Version: 06/06/2025
Date Data Arrived at EDR: 06/11/2025
Date Made Active in Reports: 09/09/2025
Number of Days to Update: 90

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 09/03/2025
Next Scheduled EDR Contact: 12/22/2025
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 01/03/2025
Date Made Active in Reports: 03/19/2025
Number of Days to Update: 75

Source: Department of Environmental Quality
Telephone: 602-771-4411
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 01/05/2026
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/09/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Tracking System
Information relating to Brownfields sites in Arizona.

Date of Government Version: 04/01/2025
Date Data Arrived at EDR: 08/14/2025
Date Made Active in Reports: 08/15/2025
Number of Days to Update: 1

Source: Department of Environmental Quality
Telephone: 602-771-4401
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 01/05/2026
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/09/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/04/2025
Next Scheduled EDR Contact: 12/22/2025
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Solid Waste Tire Facilities
A waste tire "facility" means a solid waste facility at which waste tires are stored outdoors on any day.

Date of Government Version: 11/20/2024
Date Data Arrived at EDR: 11/22/2024
Date Made Active in Reports: 02/14/2025
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 602-771-4132
Last EDR Contact: 08/12/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 11/13/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 6

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 04/04/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs
A listing of drug lab seizures in Arizona.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 43

Source: Board of Technical Registration
Telephone: 602-364-4931
Last EDR Contact: 09/09/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 04/04/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/11/2025
Date Data Arrived at EDR: 06/12/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 4

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

Date of Government Version: 05/20/2025
Date Data Arrived at EDR: 05/22/2025
Date Made Active in Reports: 08/04/2025
Number of Days to Update: 74

Source: Department of Environmental Quality
Telephone: 602-771-4153
Last EDR Contact: 08/12/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 07/23/2025
Date Data Arrived at EDR: 07/23/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 6

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/23/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/07/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/07/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/24/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 07/31/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/11/2025
Next Scheduled EDR Contact: 12/22/2025
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 7

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/14/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/08/2025
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2025
Date Data Arrived at EDR: 08/04/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 12/08/2025
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/05/2025
Date Data Arrived at EDR: 04/11/2025
Date Made Active in Reports: 07/08/2025
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/09/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 28

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/02/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/07/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 27

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 10/16/2024
Date Made Active in Reports: 01/14/2025
Number of Days to Update: 90

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 08/28/2025
Next Scheduled EDR Contact: 12/08/2025
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/08/2025
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/31/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/17/2025
Next Scheduled EDR Contact: 01/05/2026
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 04/22/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 86

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 05/02/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 76

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/24/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/07/2025
Number of Days to Update: 16

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 05/15/2025
Date Data Arrived at EDR: 05/15/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 75

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/11/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 70

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/18/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/01/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 06/24/2025
Number of Days to Update: 83

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 04/08/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 06/04/2024
Date Data Arrived at EDR: 11/22/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 88

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 05/28/2025
Date Data Arrived at EDR: 05/28/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 6

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/09/2025
Next Scheduled EDR Contact: 12/15/2025
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/22/2025
Date Data Arrived at EDR: 05/05/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 16

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/08/2025
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 02/14/2025
Date Data Arrived at EDR: 03/11/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 84

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/02/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/12/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/22/2025
Date Data Arrived at EDR: 06/25/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/07/2025
Date Data Arrived at EDR: 05/13/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 77

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/07/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/23/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 07/16/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/15/2024
Date Data Arrived at EDR: 03/06/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 89

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 12/15/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 04/13/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/08/2025
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 08/13/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 08/13/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Semi-Annually

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 08/13/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing

Arizona?s Public Water System Screening for Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) Final Report. The purpose of the grant was to screen Public Water System (PWS) drinking water wells in Arizona potentially impacted by perfluorooctanoic acid (PFOA) and/or perfluorooctane sulfonate (PFOS) contamination.

Date of Government Version: 05/16/2025
Date Data Arrived at EDR: 06/10/2025
Date Made Active in Reports: 09/09/2025
Number of Days to Update: 91

Source: Department of Environmental Quality
Telephone: 602-364-3118
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

AQUEOUS FOAM: Aqueous Film Forming Foam Listing

When AFFF is used, discharged or released to the environment, containment and cleanup may be required to prevent future adverse health or environmental impacts.

Date of Government Version: 11/14/2020
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 35

Source: Department of Environmenatl Quality
Telephone: 602-771-6145
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

AIRS: Arizona Airs Database

Arizona major (has the potential to emit over 100 tons of criteria pollutant) and minor (below 100 tons) sources.

Date of Government Version: 06/10/2025
Date Data Arrived at EDR: 06/11/2025
Date Made Active in Reports: 09/05/2025
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: 602-771-2344
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 01/06/2026
Data Release Frequency: Semi-Annually

AQUIFER: Aquifer Protection Permits List

Facilities with an Aquifer Protection permit (APP), that discharges either directly to an aquifer or to the land surface or the vadose zone in such a manner that there is a reasonable probability that the pollutant will reach an aquifer.

Date of Government Version: 05/01/2025
Date Data Arrived at EDR: 05/01/2025
Date Made Active in Reports: 07/14/2025
Number of Days to Update: 74

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 07/29/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

These sites are federal facilities that are either being assessed for potential contamination, or have active remediation taking place on them.

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/04/2023
Number of Days to Update: 79

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Annually

DRY WELLS: Drywell Registration

A drywell is a bored, drilled, or driven shaft or hole whose depth is greater than its width and is designed and constructed specifically for the disposal of storm water.

Date of Government Version: 05/13/2025
Date Data Arrived at EDR: 05/14/2025
Date Made Active in Reports: 08/04/2025
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facilities in Arizona.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 07/20/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 79

Source: Department of Environmental Quality
Telephone: 602-771-4335
Last EDR Contact: 09/03/2025
Next Scheduled EDR Contact: 12/22/2025
Data Release Frequency: No Update Planned

EMAP: All Places of Interest Listing

A listing of all places of interest to the Department of Environmental Quality, including air, waste and water sites.

Date of Government Version: 05/22/2025
Date Data Arrived at EDR: 05/23/2025
Date Made Active in Reports: 06/06/2025
Number of Days to Update: 14

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 08/19/2025
Next Scheduled EDR Contact: 12/08/2025
Data Release Frequency: Varies

ENF: Enforcement and Violation Listing

A listing of enforcement and violation cases in the state of Arizona.

Date of Government Version: 04/17/2025
Date Data Arrived at EDR: 04/23/2025
Date Made Active in Reports: 07/14/2025
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information for ust sites.

Date of Government Version: 06/16/2025
Date Data Arrived at EDR: 06/17/2025
Date Made Active in Reports: 09/10/2025
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 602-771-4258
Last EDR Contact: 09/09/2025
Next Scheduled EDR Contact: 12/29/2025
Data Release Frequency: Varies

AZ MANIFEST: Manifest Information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/15/2021
Date Made Active in Reports: 09/09/2021
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 09/03/2025
Next Scheduled EDR Contact: 12/22/2025
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: Notice of Intent Construction Stormwater General Permits Database
NPDES permit sites

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 06/18/2025
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 06/24/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

VAPOR: Vapor Intrusion
A listing of vapor intrusion site locations

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/09/2021
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 602-771-4197
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 01/05/2026
Data Release Frequency: Varies

UIC: Underground Injection Control Wells
Underground injection control wells.

Date of Government Version: 09/30/2015
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 60

Source: Arizona Geological Survey
Telephone: 520-770-3500
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

WWFAC: Waste Water Treatment Facilities
Statewide list of waste water treatment facilities.

Date of Government Version: 07/09/2012
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 45

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

DRYWELLS HIST: Historical Drywells Listing
Historical listing of registered drywells once maintained and made available by the Arizona Department of Environmental Quality (ADEQ) Water Quality Division. In April 2018, ADEQ stopped accepting paper forms and will no longer be updating this list.

Date of Government Version: 04/30/2018
Date Data Arrived at EDR: 09/26/2024
Date Made Active in Reports: 10/15/2024
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

PIMA COUNTY:

LF TUCSON: City of Tucson Landfills Listing
Location and area of landfills owned by the City of Tucson.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 04/04/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 81

Source: Tucson Department of Environmental and General Services
Telephone: 520-791-3171
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 10/13/2024
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/04/2025
Date Data Arrived at EDR: 05/06/2025
Date Made Active in Reports: 07/21/2025
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 07/31/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/06/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/27/2025
Next Scheduled EDR Contact: 12/15/2025
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities & Group Homes
Source: Department of Health Services
Telephone: 602-674-4220

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters
Source: State Land Department
Telephone: 602-542-4094

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

200 ACRES OF LAND
STATE ROUT 89A AND FOREST SERVICE ROAD 89B
SEDONA, AZ 86336

TARGET PROPERTY COORDINATES

Latitude (North):	34.821084 - 34° 49' 15.90"
Longitude (West):	111.895712 - 111° 53' 44.56"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	418084.2
UTM Y (Meters):	3853370.8
Elevation:	4026 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50000724 PAGE SPRINGS, AZ
Version Date:	2021
East Map:	50000876 SEDONA, AZ
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

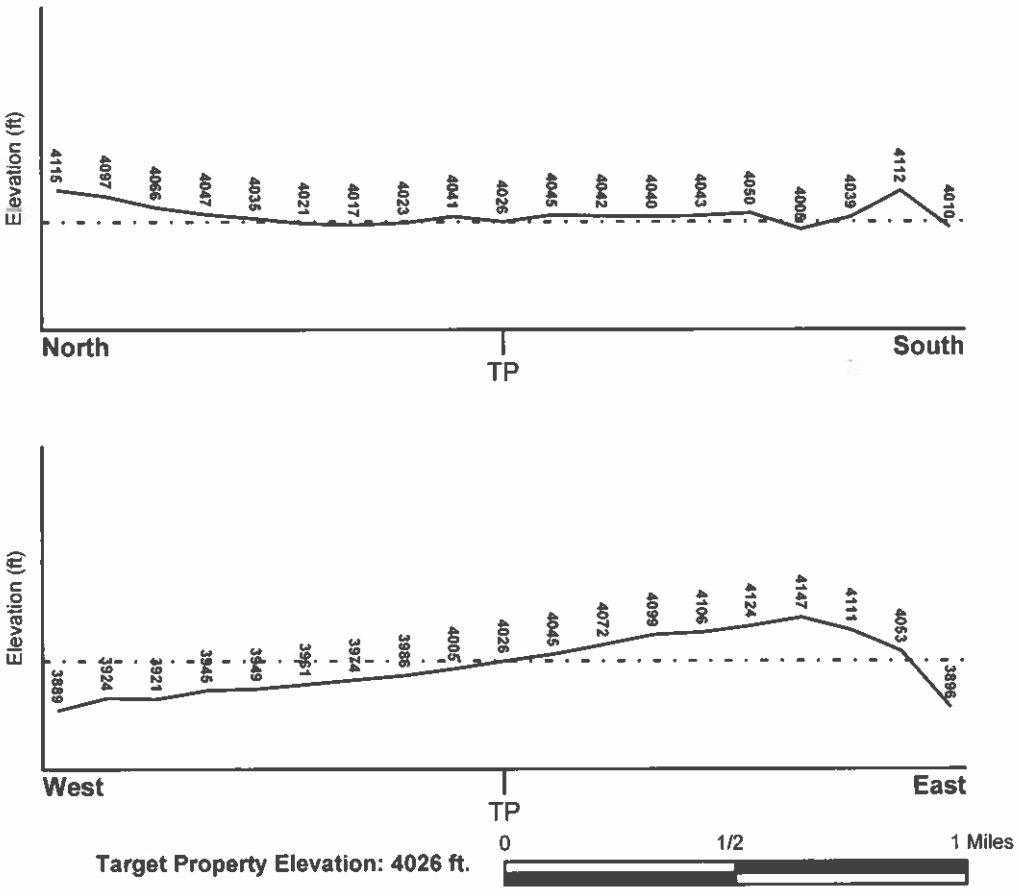
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
04025C1425G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
04025C1420G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Permian
Series:	Lower part of Leonardian Series
Code:	P2a *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	RANSECT
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 20 inches

Depth to Bedrock Max: > 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	3 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 7.40
2	3 inches	38 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 7.40
3	38 inches	42 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: No Other Soil Types

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Q134	USGS40000063036	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	AZDWR1200219698	1/8 - 1/4 Mile West
2	AZDWR1200223431	1/4 - 1/2 Mile East
A3	AZDWR1200213571	1/4 - 1/2 Mile WSW
A4	AZDWR1200217911	1/4 - 1/2 Mile WSW
B5	AZDWR1200100625	1/4 - 1/2 Mile NE
B6	AZDWR1200100626	1/4 - 1/2 Mile NE
C7	AZDWR1200045173	1/4 - 1/2 Mile North
C8	AZDWR1200040705	1/4 - 1/2 Mile North
C9	AZDWR1200094194	1/4 - 1/2 Mile North
C10	AZDWR1200099761	1/4 - 1/2 Mile North
C11	AZDWR1200099760	1/4 - 1/2 Mile North
D12	AZDWR1200073628	1/4 - 1/2 Mile NNW
D13	AZDWR1200045174	1/4 - 1/2 Mile NNW
D14	AZDWR1200040881	1/4 - 1/2 Mile NNW
D15	AZDWR1200079281	1/4 - 1/2 Mile NNW
D16	AZDWR1200118726	1/4 - 1/2 Mile NNW
D17	AZDWR1200099765	1/4 - 1/2 Mile NNW
D18	AZDWR1200099762	1/4 - 1/2 Mile NNW
E19	AZDWR1200026401	1/4 - 1/2 Mile NNE
E20	AZDWR1200025265	1/4 - 1/2 Mile NNE
E21	AZDWR1200040704	1/4 - 1/2 Mile NNE
E22	AZDWR1200094193	1/4 - 1/2 Mile NNE
E23	AZDWR1200045172	1/4 - 1/2 Mile NNE
F24	AZDWR1200100623	1/4 - 1/2 Mile ESE
F25	AZDWR1200100624	1/4 - 1/2 Mile ESE
G26	AZDWR1200093131	1/4 - 1/2 Mile NNW
G27	AZDWR1200093130	1/4 - 1/2 Mile NNW
G28	AZDWR1200118724	1/4 - 1/2 Mile NNW
G29	AZDWR1200218449	1/4 - 1/2 Mile NNW
G30	AZDWR1200118725	1/4 - 1/2 Mile NNW
H31	AZDWR1200040412	1/4 - 1/2 Mile SSW
H32	AZDWR1200118109	1/4 - 1/2 Mile SSW
I33	AZDWR1200073531	1/4 - 1/2 Mile North
I34	AZDWR1200073530	1/4 - 1/2 Mile North
I35	AZDWR1200079190	1/4 - 1/2 Mile North
I36	AZDWR1200079189	1/4 - 1/2 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J37	AZDWR1200073537	1/4 - 1/2 Mile NNW
J38	AZDWR1200073538	1/4 - 1/2 Mile NNW
J39	AZDWR1200079198	1/4 - 1/2 Mile NNW
J40	AZDWR1200073536	1/4 - 1/2 Mile NNW
J41	AZDWR1200073532	1/4 - 1/2 Mile NNW
J42	AZDWR1200073533	1/4 - 1/2 Mile NNW
J43	AZDWR1200073535	1/4 - 1/2 Mile NNW
J44	AZDWR1200079199	1/4 - 1/2 Mile NNW
J45	AZDWR1200093058	1/4 - 1/2 Mile NNW
J46	AZDWR1200093059	1/4 - 1/2 Mile NNW
J47	AZDWR1200093128	1/4 - 1/2 Mile NNW
J48	AZDWR1200079203	1/4 - 1/2 Mile NNW
J49	AZDWR1200079200	1/4 - 1/2 Mile NNW
J50	AZDWR1200079201	1/4 - 1/2 Mile NNW
J51	AZDWR1200079202	1/4 - 1/2 Mile NNW
52	AZDWR1200094195	1/4 - 1/2 Mile NNE
K53	AZDWR1200097775	1/2 - 1 Mile NNW
K54	AZDWR1200097774	1/2 - 1 Mile NNW
K55	AZDWR1200097773	1/2 - 1 Mile NNW
K56	AZDWR1200097778	1/2 - 1 Mile NNW
K57	AZDWR1200097777	1/2 - 1 Mile NNW
K58	AZDWR1200097776	1/2 - 1 Mile NNW
K59	AZDWR1200093129	1/2 - 1 Mile NNW
K60	AZDWR1200079280	1/2 - 1 Mile NNW
K61	AZDWR1200079279	1/2 - 1 Mile NNW
K62	AZDWR1200093132	1/2 - 1 Mile NNW
K63	AZDWR1200093135	1/2 - 1 Mile NNW
K64	AZDWR1200093134	1/2 - 1 Mile NNW
K65	AZDWR1200093133	1/2 - 1 Mile NNW
K66	AZDWR1200073617	1/2 - 1 Mile NNW
K67	AZDWR1200073616	1/2 - 1 Mile NNW
K68	AZDWR1200066749	1/2 - 1 Mile NNW
K69	AZDWR1200073618	1/2 - 1 Mile NNW
K70	AZDWR1200079210	1/2 - 1 Mile NNW
K71	AZDWR1200079205	1/2 - 1 Mile NNW
K72	AZDWR1200073625	1/2 - 1 Mile NNW
K73	AZDWR1200097768	1/2 - 1 Mile NNW
K74	AZDWR1200097767	1/2 - 1 Mile NNW
K75	AZDWR1200097622	1/2 - 1 Mile NNW
K76	AZDWR1200097769	1/2 - 1 Mile NNW
K77	AZDWR1200097772	1/2 - 1 Mile NNW
K78	AZDWR1200097771	1/2 - 1 Mile NNW
K79	AZDWR1200097770	1/2 - 1 Mile NNW
K80	AZDWR1200097617	1/2 - 1 Mile NNW
K81	AZDWR1200093145	1/2 - 1 Mile NNW
K82	AZDWR1200093144	1/2 - 1 Mile NNW
K83	AZDWR1200097618	1/2 - 1 Mile NNW
K84	AZDWR1200097621	1/2 - 1 Mile NNW
K85	AZDWR1200097620	1/2 - 1 Mile NNW
K86	AZDWR1200097619	1/2 - 1 Mile NNW
L87	AZDWR1200100209	1/2 - 1 Mile ENE
L88	AZDWR1200100622	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

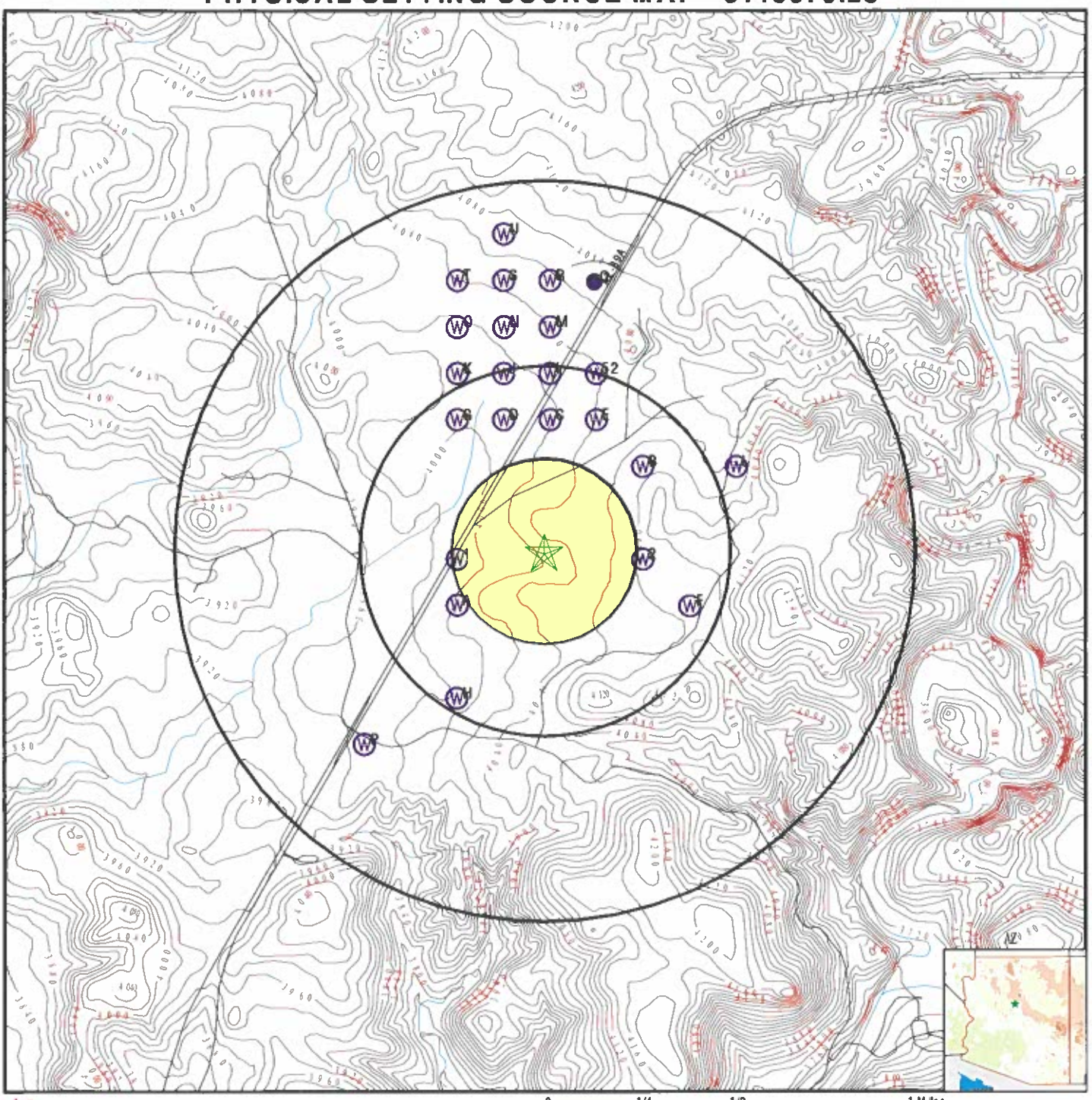
MAP ID	WELL ID	LOCATION FROM TP
M89	AZDWR1200073527	1/2 - 1 Mile North
M90	AZDWR1200073528	1/2 - 1 Mile North
M91	AZDWR1200023416	1/2 - 1 Mile North
M92	AZDWR1200073526	1/2 - 1 Mile North
M93	AZDWR1200073529	1/2 - 1 Mile North
M94	AZDWR1200076654	1/2 - 1 Mile North
M95	AZDWR1200076655	1/2 - 1 Mile North
M96	AZDWR1200076652	1/2 - 1 Mile North
M97	AZDWR1200076653	1/2 - 1 Mile North
N98	AZDWR1200073612	1/2 - 1 Mile North
N99	AZDWR1200073611	1/2 - 1 Mile North
N100	AZDWR1200079191	1/2 - 1 Mile North
N101	AZDWR1200073613	1/2 - 1 Mile North
N102	AZDWR1200073541	1/2 - 1 Mile North
N103	AZDWR1200073534	1/2 - 1 Mile North
N104	AZDWR1200073543	1/2 - 1 Mile North
N105	AZDWR1200073542	1/2 - 1 Mile North
N106	AZDWR1200079192	1/2 - 1 Mile North
N107	AZDWR1200093055	1/2 - 1 Mile North
N108	AZDWR1200079197	1/2 - 1 Mile North
N109	AZDWR1200093057	1/2 - 1 Mile North
N110	AZDWR1200093056	1/2 - 1 Mile North
N111	AZDWR1200079194	1/2 - 1 Mile North
N112	AZDWR1200079193	1/2 - 1 Mile North
N113	AZDWR1200079196	1/2 - 1 Mile North
N114	AZDWR1200079195	1/2 - 1 Mile North
O115	AZDWR1200073627	1/2 - 1 Mile NNW
O116	AZDWR1200073624	1/2 - 1 Mile NNW
O117	AZDWR1200076650	1/2 - 1 Mile NNW
O118	AZDWR1200076649	1/2 - 1 Mile NNW
O119	AZDWR1200073621	1/2 - 1 Mile NNW
O120	AZDWR1200073620	1/2 - 1 Mile NNW
O121	AZDWR1200073623	1/2 - 1 Mile NNW
O122	AZDWR1200073622	1/2 - 1 Mile NNW
O123	AZDWR1200076651	1/2 - 1 Mile NNW
O124	AZDWR1200093138	1/2 - 1 Mile NNW
O125	AZDWR1200093137	1/2 - 1 Mile NNW
O126	AZDWR1200093143	1/2 - 1 Mile NNW
O127	AZDWR1200093142	1/2 - 1 Mile NNW
O128	AZDWR1200079208	1/2 - 1 Mile NNW
O129	AZDWR1200079207	1/2 - 1 Mile NNW
O130	AZDWR1200093136	1/2 - 1 Mile NNW
O131	AZDWR1200079209	1/2 - 1 Mile NNW
P132	AZDWR1200100207	1/2 - 1 Mile SW
P133	AZDWR1200100208	1/2 - 1 Mile SW
R135	AZDWR1200073540	1/2 - 1 Mile North
R136	AZDWR1200073539	1/2 - 1 Mile North
R137	AZDWR1200079204	1/2 - 1 Mile North
R138	AZDWR1200079206	1/2 - 1 Mile North
S139	AZDWR1200070677	1/2 - 1 Mile North
S140	AZDWR1200073614	1/2 - 1 Mile North
S141	AZDWR1200073619	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
S142	AZDWR1200070676	1/2 - 1 Mile North
S143	AZDWR1200004658	1/2 - 1 Mile North
S144	AZDWR1200004659	1/2 - 1 Mile North
S145	AZDWR1200042601	1/2 - 1 Mile North
S146	AZDWR1200093054	1/2 - 1 Mile North
S147	AZDWR1200131505	1/2 - 1 Mile North
S148	AZDWR1200200010	1/2 - 1 Mile North
S149	AZDWR1200079282	1/2 - 1 Mile North
S150	AZDWR1200079283	1/2 - 1 Mile North
S151	AZDWR1200093053	1/2 - 1 Mile North
Q152	AZDEQ3000006054	1/2 - 1 Mile North
Q153	AZDWR1200076648	1/2 - 1 Mile North
Q154	AZDWR1200073525	1/2 - 1 Mile North
Q155	AZDWR1200099763	1/2 - 1 Mile North
Q156	AZDWR1200099764	1/2 - 1 Mile North
T157	AZDWR1200079285	1/2 - 1 Mile NNW
T158	AZDWR1200093050	1/2 - 1 Mile NNW
T159	AZDWR1200093051	1/2 - 1 Mile NNW
T160	AZDWR1200073615	1/2 - 1 Mile NNW
T161	AZDWR1200073626	1/2 - 1 Mile NNW
T162	AZDWR1200079284	1/2 - 1 Mile NNW
T163	AZDWR1200093141	1/2 - 1 Mile NNW
T164	AZDWR1200186342	1/2 - 1 Mile NNW
T165	AZDWR1200093140	1/2 - 1 Mile NNW
T166	AZDWR1200093052	1/2 - 1 Mile NNW
T167	AZDWR1200093139	1/2 - 1 Mile NNW
U168	AZDWR1200070674	1/2 - 1 Mile North
U169	AZDWR1200070673	1/2 - 1 Mile North
U170	AZDWR1200070675	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 8113579.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 200 Acres of Land	CLIENT: Ninyo & Moore
ADDRESS: State Rout 89A and Forest Service Road 89B Sedona AZ 86336	CONTACT: Jennifer Anderson
LAT/LONG: 34.821084 / 111.895712	INQUIRY #: 8113579.2s DATE: September 18, 2025 7:28 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **West** **1/8 - 1/4 Mile** **Lower**	**AZ WELLS**	**AZDWR1200219698**

Program:	55	Registry ID:	915802
Owner Name:	CITY OF SEDONA WASTE WATER RECLAMATION FACILITY		
Well Type:	SPCL - GEOTECHNICAL	Well Type Group:	OTHER
Water Use:	NO WATER USE	Basin Name:	VERDE RIVER
Driller License #:	533	Application:	25-JUL-13
Approved:	25-JUL-13	Installed Date:	Not Reported
Well Depth (ft):	0	Casing Type:	NO CASING CODE LISTED
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	0	Casing Diameter (in):	0
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

---

2 **East** **1/4 - 1/2 Mile** **Higher**	**AZ WELLS**	**AZDWR1200223431**

Program:	55	Registry ID:	913884
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	621
Application:	12-DEC-11	Approved:	12-DEC-11
Installed Date:	18-JAN-12	Well Depth (ft):	77
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	18	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	77	Casing Diameter (in):	7
RGR Pump Data:	NO	Pump Type:	SUBMERSIBLE
Pump Power:	ELECTRIC MOTOR < 1 HP	Pump Rate:	12
Tested Rate:	12	Draw Down:	4
Completion:	X	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

A3 **WSW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZDWR1200213571**

Program:	55	Registry ID:	920965
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	562
Application:	04-OCT-17	Approved:	04-OCT-17
Installed Date:	01-JAN-18	Well Depth (ft):	1100
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	424	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	220	Casing Diameter (in):	16
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0

Tested Rate:	0	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

A4
WSW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200217911**

Program:	55	Registry ID:	921247
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	562
Application:	19-JAN-18	Approved:	19-JAN-18
Installed Date:	Not Reported	Well Depth (ft):	1130
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	424	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	1100	Casing Diameter (in):	6
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

B5
NE
1/4 - 1/2 Mile
Higher

AZ WELLS **AZDWR1200100625**

Program:	55	Registry ID:	567514
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

B6
NE
1/4 - 1/2 Mile
Higher

AZ WELLS **AZDWR1200100626**

Program:	55	Registry ID:	567515
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

C7
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200045173**

Program:	55	Registry ID:	504342
Owner Name:	SEDONA DELLS ASSOC,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	54
Application:	16-NOV-82	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

C8
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200040705**

Program:	55	Registry ID:	501009
Owner Name:	SEDONA DELLS ASSOC,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	54
Application:	21-SEP-81	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

C9
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200094194**

Program:	55	Registry ID:	556443
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	533
Application:	26-SEP-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

C10
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200099761**

Program:	55	Registry ID:	567476
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	11-MAR-98
Installed Date:	18-JUN-98	Well Depth (ft):	550
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	430
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

C11
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200099760**

Program:	55	Registry ID:	567475
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
D12 **NNW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZDWR1200073628**

Program:	55	Registry ID:	533380
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

	Database	EDR ID Number
D13 **NNW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZDWR1200045174**

Program:	55	Registry ID:	504343
Owner Name:	SEDONA DELLS ASSOC,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	54
Application:	16-NOV-82	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

	Database	EDR ID Number
D14 **NNW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZDWR1200040881**

Program:	55	Registry ID:	501010
Owner Name:	SEDONA DELLS ASSOC,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	54
Application:	21-SEP-81	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

D15
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079281**

Program:	55	Registry ID:	538824
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	06-APR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

D16
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200118726**

Program:	55	Registry ID:	576824
Owner Name:	CITY OF SEDONA	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	MUNICIPAL USES
Basin Name:	VERDE RIVER	Driller License #:	336
Application:	16-AUG-99	Approved:	07-SEP-99
Installed Date:	08-OCT-99	Well Depth (ft):	210
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

D17
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200099765**

Program:	55	Registry ID:	567480
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

D18
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200099762**

Program:	55	Registry ID:	567477
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

E19
NNE
1/4 - 1/2 Mile
Higher

AZ WELLS **AZDWR1200026401**

Program:	55	Registry ID:	224752
Owner Name:	CITY OF SEDONA	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	NO WATER USE
Basin Name:	VERDE RIVER	Driller License #:	562
Application:	13-MAY-15	Approved:	14-MAY-15
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

E20
NNE
1/4 - 1/2 Mile
Higher

AZ WELLS **AZDWR1200025265**

Program:	55	Registry ID:	224870
Owner Name:	CITY OF SEDONA	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	NO WATER USE

Basin Name:	VERDE RIVER	Driller License #:	562
Application:	04-JUN-15	Approved:	04-JUN-15
Installed Date:	Not Reported	Well Depth (ft):	1172
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	538	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	1163	Casing Diameter (in):	6
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

E21
NNE
1/4 - 1/2 Mile
Higher

AZ WELLS **AZDWR1200040704**

Program:	55	Registry ID:	501008
Owner Name:	SEDONA DELIS ASSOC,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	54
Application:	21-SEP-81	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

E22
NNE
1/4 - 1/2 Mile
Higher

AZ WELLS **AZDWR1200094193**

Program:	55	Registry ID:	556442
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	533
Application:	26-SEP-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
E23 **NNE** **1/4 - 1/2 Mile** **Higher**	**AZ WELLS**	**AZDWR1200045172**

Program:	55	Registry ID:	504341
Owner Name:	SEDONA DELLS ASSOC,	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	54
Application:	16-NOV-82	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

F24 **ESE** **1/4 - 1/2 Mile** **Higher**	**AZ WELLS**	**AZDWR1200100623**

Program:	55	Registry ID:	567512
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

F25 **ESE** **1/4 - 1/2 Mile** **Higher**	**AZ WELLS**	**AZDWR1200100624**

Program:	55	Registry ID:	567513
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

G26
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200093131**

Program:	55	Registry ID:	555057
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

G27
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200093130**

Program:	55	Registry ID:	555056
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

G28
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200118724**

Program:	55	Registry ID:	576822
Owner Name:	CITY OF SEDONA	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	MUNICIPAL USES
Basin Name:	VERDE RIVER	Driller License #:	336
Application:	16-AUG-99	Approved:	07-SEP-99
Installed Date:	05-OCT-99	Well Depth (ft):	220
Casing Type:	Not Reported	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

G29
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200218449**

Program:	55	Registry ID:	923423
Owner Name:	CITY OF SEDONA	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	562
Application:	02-OCT-19	Approved:	02-OCT-19
Installed Date:	28-FEB-20	Well Depth (ft):	880
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	424	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	880	Casing Diameter (in):	6
RGR Pump Data:	NO	Pump Type:	SUBMERSIBLE
Pump Power:	ELECTRIC MOTOR 1 - 5 HP	Pump Rate:	7
Tested Rate:	7	Draw Down:	20
Completion:	X	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

G30
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200118725**

Program:	55	Registry ID:	576823
Owner Name:	CITY OF SEDONA	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	MUNICIPAL USES
Basin Name:	VERDE RIVER	Driller License #:	336
Application:	16-AUG-99	Approved:	07-SEP-99
Installed Date:	15-OCT-99	Well Depth (ft):	212
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

H31
SSW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200040412**

Program:	55	Registry ID:	400356
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR
Well Type Group:	MONITOR	Water Use:	MONITORING

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin Name:	VERDE RIVER	Driller License #:	562
Application:	03-OCT-01	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

H32
SSW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200118109**

Program:	55	Registry ID:	587580
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	562
Application:	22-JUN-01	Approved:	18-SEP-01
Installed Date:	Not Reported	Well Depth (ft):	520
Casing Type:	PLASTIC OR PVC	Water Level (ft):	414
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	520
Casing Diameter (in):	6	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

I33
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073531**

Program:	55	Registry ID:	533350
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I34
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073530**

Program:	55	Registry ID:	533349
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

I35
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079190**

Program:	55	Registry ID:	538801
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	15-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

I36
North
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079189**

Program:	55	Registry ID:	538800
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	15-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

J37
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073537**

Program:	55	Registry ID:	533356
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J38
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073538**

Program:	55	Registry ID:	533357
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J39
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079198**

Program:	55	Registry ID:	538809
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	25-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

J40
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073536**

Program:	55	Registry ID:	533355
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J41
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073532**

Program:	55	Registry ID:	533351
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J42
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073533**

Program:	55	Registry ID:	533352
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING

Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J43
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200073535**

Program:	55	Registry ID:	533354
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J44
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079199**

Program:	55	Registry ID:	538810
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	25-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
J45 **NNW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZDWR1200093058**

Program:	55	Registry ID:	555052
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J46 **NNW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZDWR1200093059**

Program:	55	Registry ID:	555053
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J47 **NNW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZDWR1200093128**

Program:	55	Registry ID:	555054
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

J48
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079203**

Program:	55	Registry ID:	538814
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	26-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

J49
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079200**

Program:	55	Registry ID:	538811
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	25-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

J50
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079201**

Program:	55	Registry ID:	538812
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	26-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

J51
NNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDWR1200079202**

Program:	55	Registry ID:	538813
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	26-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

52
NNE
1/4 - 1/2 Mile
Higher

AZ WELLS **AZDWR1200094195**

Program:	55	Registry ID:	556444
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	533
Application:	26-SEP-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K53
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097775**

Program:	55	Registry ID:	558732
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	08-AUG-96	Well Depth (ft):	17
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	17	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	16	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

K54
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097774**

Program:	55	Registry ID:	558731
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	08-AUG-96	Well Depth (ft):	34
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	30	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	33	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

K55
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097773**

Program:	55	Registry ID:	558730
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	08-AUG-96	Well Depth (ft):	28
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	29	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	23	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
K56 **NNW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZDWR1200097778**

Program:	55	Registry ID:	558735
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-DEC-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

	Database	EDR ID Number
K57 **NNW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZDWR1200097777**

Program:	55	Registry ID:	558734
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	08-AUG-96	Well Depth (ft):	18
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	17	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	0	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

	Database	EDR ID Number
K58 **NNW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZDWR1200097776**

Program:	55	Registry ID:	558733
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	08-AUG-96	Well Depth (ft):	14
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	13	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0

Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

K59
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093129**

Program:	55	Registry ID:	555055
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K60
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200079280**

Program:	55	Registry ID:	538823
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	28-MAR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

K61
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200079279**

Program:	55	Registry ID:	538822
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	28-MAR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

K62
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093132**

Program:	55	Registry ID:	555058
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K63
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093135**

Program:	55	Registry ID:	555061
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K64
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093134**

Program:	55	Registry ID:	555060
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K65
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093133**

Program:	55	Registry ID:	555059
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K66
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200073617**

Program:	55	Registry ID:	533369
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
K67 **NNW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZDWR1200073616**

Program:	55	Registry ID:	533368
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K68 **NNW** **1/2 - 1 Mile** **Lower**		**AZ WELLS**	**AZDWR1200066749**
Program:	55	Registry ID:	526825
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	362
Application:	21-MAR-90	Approved:	Not Reported
Installed Date:	19-APR-90	Well Depth (ft):	552
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	422	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	546	Casing Diameter (in):	5
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

K69 **NNW** **1/2 - 1 Mile** **Lower**		**AZ WELLS**	**AZDWR1200073618**
Program:	55	Registry ID:	533370
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K70
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200079210**

Program:	55	Registry ID:	538821
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	621
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	27-MAR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

K71
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200079205**

Program:	55	Registry ID:	538816
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	28-MAR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

K72
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200073625**

Program:	55	Registry ID:	533377
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K73
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097768**

Program:	55	Registry ID:	558725
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	07-AUG-96	Well Depth (ft):	34
Casing Type:	PLASTIC OR PVC	Water Level (ft):	30
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	33
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

K74
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097767**

Program:	55	Registry ID:	558724
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	07-AUG-96	Well Depth (ft):	24
Casing Type:	PLASTIC OR PVC	Water Level (ft):	30
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

K75
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097622**

Program:	55	Registry ID:	559421
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-AUG-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K76
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097769**

Program:	55	Registry ID:	558726
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	08-AUG-96	Well Depth (ft):	24
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	23	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

K77
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097772**

Program:	55	Registry ID:	558729
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	08-AUG-96	Well Depth (ft):	24
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	23	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
AZ WELLS	AZDWR1200097771

K78
NNW
1/2 - 1 Mile
Lower

Program:	55	Registry ID:	558728
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	07-AUG-96	Well Depth (ft):	34
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	33	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

Database	EDR ID Number
AZ WELLS	AZDWR1200097770

K79
NNW
1/2 - 1 Mile
Lower

Program:	55	Registry ID:	558727
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-JUL-96	Approved:	Not Reported
Installed Date:	07-AUG-96	Well Depth (ft):	34
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	30	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	33	Casing Diameter (in):	2
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

Database	EDR ID Number
AZ WELLS	AZDWR1200097617

K80
NNW
1/2 - 1 Mile
Lower

Program:	55	Registry ID:	559416
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-AUG-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K81
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093145**

Program:	55	Registry ID:	555071
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K82
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093144**

Program:	55	Registry ID:	555070
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K83
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097618**

Program:	55	Registry ID:	559417
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-AUG-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K84
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097621**

Program:	55	Registry ID:	559420
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-AUG-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K85
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097620**

Program:	55	Registry ID:	559419
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-AUG-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

K86
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200097619**

Program:	55	Registry ID:	559418
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	22
Application:	08-AUG-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

L87
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200100209**

Program:	55	Registry ID:	567510
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	11-MAR-98
Installed Date:	10-JUN-98	Well Depth (ft):	290
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	200
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

L88
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200100622**

Program:	55	Registry ID:	567511
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	11-MAR-98
Installed Date:	14-JUN-98	Well Depth (ft):	500
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	398
Casing Diameter (in):	5	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
M89 **North** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200073527**

Program:	55	Registry ID:	533346
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

M90 **North** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200073528**

Program:	55	Registry ID:	533347
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

M91 **North** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200023416**

Program:	55	Registry ID:	222289
Owner Name:	CITY OF SEDONA	Well Type:	ENV - INJECTION
Well Type Group:	NON-EXEMPT	Water Use:	NO WATER USE
Basin Name:	VERDE RIVER	Driller License #:	78
Application:	30-APR-13	Approved:	30-APR-13
Installed Date:	Not Reported	Well Depth (ft):	1200
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	461	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	1180	Casing Diameter (in):	8
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0

Tested Rate:	0	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

M92
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073526**

Program:	55	Registry ID:	533345
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

M93
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073529**

Program:	55	Registry ID:	533348
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

M94
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200076654**

Program:	55	Registry ID:	537798
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	02-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

M95
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200076655**

Program:	55	Registry ID:	537799
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	02-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

M96
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200076652**

Program:	55	Registry ID:	537796
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	02-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

M97
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200076653**

Program:	55	Registry ID:	537797
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	02-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

N98
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073612**

Program:	55	Registry ID:	533364
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N99
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073611**

Program:	55	Registry ID:	533363
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
N100 **North** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200079191**

Program:	55	Registry ID:	538802
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	08-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

N101 **North** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200073613**

Program:	55	Registry ID:	533365
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N102 **North** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200073541**

Program:	55	Registry ID:	533360
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N103
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073534**

Program:	55	Registry ID:	533353
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N104
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073543**

Program:	55	Registry ID:	533362
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N105
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073542**

Program:	55	Registry ID:	533361
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N106
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079192**

Program:	55	Registry ID:	538803
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	08-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

N107
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093055**

Program:	55	Registry ID:	555049
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N108
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079197**

Program:	55	Registry ID:	538808
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	11-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

N109
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093057**

Program:	55	Registry ID:	555051
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

N110
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093056**

Program:	55	Registry ID:	555050
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
AZ WELLS	AZDWR1200079194

N111
North
1/2 - 1 Mile
Higher

Program:	55	Registry ID:	538805
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	10-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

N112
North
1/2 - 1 Mile
Higher

Database	EDR ID Number
AZ WELLS	AZDWR1200079193

Program:	55	Registry ID:	538804
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	10-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

N113
North
1/2 - 1 Mile
Higher

Database	EDR ID Number
AZ WELLS	AZDWR1200079196

Program:	55	Registry ID:	538807
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	11-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

N114
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079195**

Program:	55	Registry ID:	538806
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	10-APR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

O115
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200073627**

Program:	55	Registry ID:	533379
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O116
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200073624**

Program:	55	Registry ID:	533376
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O117
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200076650**

Program:	55	Registry ID:	537794
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	26-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

O118
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200076649**

Program:	55	Registry ID:	537793
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	26-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

O119
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200073621**

Program:	55	Registry ID:	533373
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING

Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O120
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200073620**

Program:	55	Registry ID:	533372
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O121
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200073623**

Program:	55	Registry ID:	533375
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
O122 **NNW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZDWR1200073622**

Program:	55	Registry ID:	533374
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

	Database	EDR ID Number
O123 **NNW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZDWR1200076651**

Program:	55	Registry ID:	537795
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	27-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

	Database	EDR ID Number
O124 **NNW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZDWR1200093138**

Program:	55	Registry ID:	555064
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O125
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093137**

Program:	55	Registry ID:	555063
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O126
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093143**

Program:	55	Registry ID:	555069
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O127
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093142**

Program:	55	Registry ID:	555068
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O128
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200079208**

Program:	55	Registry ID:	538819
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	621
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	03-APR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

O129
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200079207**

Program:	55	Registry ID:	538818
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	621
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	02-APR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

O130
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200093136**

Program:	55	Registry ID:	555062
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

O131
NNW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200079209**

Program:	55	Registry ID:	538820
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	621
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	03-APR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

P132
SW
1/2 - 1 Mile
Lower

AZ WELLS **AZDWR1200100207**

Program:	55	Registry ID:	567508
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
AZ WELLS	AZDWR1200100208

P133
SW
1/2 - 1 Mile
Lower

Program:	55	Registry ID:	567509
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	11-MAR-98
Installed Date:	04-JUN-98	Well Depth (ft):	500
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	360
Casing Diameter (in):	5	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

Q134
North
1/2 - 1 Mile
Higher

Database	EDR ID Number
FED USGS	USGS40000063036

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	A-17-04 25BAA	Type:	Well
Description:	Not Reported	HUC:	15060202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Supai Formation
Aquifer Type:	Not Reported	Construction Date:	19691101
Well Depth:	546	Well Depth Units:	ft
Well Hole Depth:	546	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1974-03-19
Feet below surface:	492.00	Feet to sea level:	Not Reported
Note:	Not Reported		

R135
North
1/2 - 1 Mile
Higher

Database	EDR ID Number
AZ WELLS	AZDWR1200073540

Program:	55	Registry ID:	533359
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N

Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

R136
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073539**

Program:	55	Registry ID:	533358
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

R137
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079204**

Program:	55	Registry ID:	538815
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	621
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	02-APR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

R138
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079206**

Program:	55	Registry ID:	538817
Owner Name:	CITY OF SEDONA	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	621
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	03-APR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25

Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	A
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

S139
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200070677**

Program:	55	Registry ID:	530053
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	68
Application:	15-NOV-90	Approved:	Not Reported
Installed Date:	03-DEC-90	Well Depth (ft):	20
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	15	Casing Diameter (in):	4
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

S140
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073614**

Program:	55	Registry ID:	533366
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

S141
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073619**

Program:	55	Registry ID:	533371
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0

Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

S142
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200070676**

Program:	55	Registry ID:	530052
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	68
Application:	15-NOV-90	Approved:	Not Reported
Installed Date:	01-DEC-90	Well Depth (ft):	20
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	15	Casing Diameter (in):	4
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

S143
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200004658**

Program:	55	Registry ID:	203506
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	78
Application:	07-MAY-04	Approved:	19-MAY-04
Installed Date:	Not Reported	Well Depth (ft):	32
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	30
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
AZ WELLS	AZDWR1200004659

S144
North
1/2 - 1 Mile
Higher

Program:	55	Registry ID:	203507
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	78
Application:	07-MAY-04	Approved:	19-MAY-04
Installed Date:	Not Reported	Well Depth (ft):	30
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	30
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

Database	EDR ID Number
AZ WELLS	AZDWR1200042601

S145
North
1/2 - 1 Mile
Higher

Program:	55	Registry ID:	501470
Owner Name:	CITY OF SEDONA	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	MUNICIPAL USES
Basin Name:	VERDE RIVER	Driller License #:	99
Application:	01-NOV-81	Approved:	Not Reported
Installed Date:	31-MAR-82	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	X
Well Cancelled:	Y	Driller Log:	X
Watershed:	VERDE RIVER		

Database	EDR ID Number
AZ WELLS	AZDWR1200093054

S146
North
1/2 - 1 Mile
Higher

Program:	55	Registry ID:	555048
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

S147
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200131505**

Program:	55	Registry ID:	600125
Owner Name:	CITY OF SEDONA	Well Type:	NON-EXEMPT
Well Type Group:	NON-EXEMPT	Water Use:	MUNICIPAL USES
Basin Name:	VERDE RIVER	Driller License #:	336
Application:	08-OCT-81	Approved:	12-NOV-81
Installed Date:	31-MAR-82	Well Depth (ft):	920
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	471	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	920	Casing Diameter (in):	6
RGR Pump Data:	NO	Pump Type:	SUBMERSIBLE
Pump Power:	ELECTRIC MOTOR 1 - 5 HP	Pump Rate:	100
Tested Rate:	22	Draw Down:	2
Completion:	A	Well Cancelled:	Y
Driller Log:	X	Watershed:	VERDE RIVER

S148
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200200010**

Program:	55	Registry ID:	910254
Owner Name:	CITY OF SEDONA, WASTEWATER PLANT	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	DOMESTIC
Basin Name:	VERDE RIVER	Driller License #:	336
Application:	09-JAN-09	Approved:	09-JAN-09
Installed Date:	09-APR-09	Well Depth (ft):	920
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	467	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	900	Casing Diameter (in):	6
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	Not Reported	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

S149
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079282**

Program:	55	Registry ID:	538825
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	27-MAR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

S150
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079283**

Program:	55	Registry ID:	538826
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	27-MAR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

S151
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093053**

Program:	55	Registry ID:	555047
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

Q152
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDEQ3000006054**

DWR Number:	Not Reported	DEQ Well #:	14798
Agency Well #:	14798	Start Date:	01-NOV-69
End Date:	Not Reported	Station Alt Name:	A-17-04 25BAA

well Depth:	Not Reported	Drill Depth:	546
Watershed:	VERDE	Basin:	Verde River
Aquifer Type:	Not Reported	Water Use:	Site Water Use Is Unknown
Well Type:	Well, For Single Wells Other Than Wells Of The Collector Or Ranney Type		

Q153
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200076648**

Program:	55	Registry ID:	537792
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	28-MAR-93	Well Depth (ft):	25
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	25
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

Q154
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073525**

Program:	55	Registry ID:	533344
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

Q155
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200099763**

Program:	55	Registry ID:	567478
Owner Name:	CITY OF SEDONA	Well Type:	ENV - PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0

Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

Q156
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200099764**

Program:	55	Registry ID:	567479
Owner Name:	CITY OF SEDONA	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	239
Application:	27-FEB-98	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	Not Reported	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	Not Reported	Pump Power:	Not Reported
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

T157
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200079285**

Program:	55	Registry ID:	538828
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	30-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

T158
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093050**

Program:	55	Registry ID:	555044
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER

Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

T159
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093051**

Program:	55	Registry ID:	555045
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

T160
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200073615**

Program:	55	Registry ID:	533367
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
T161 **NNW** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200073626**

Program:	55	Registry ID:	533378
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	MONITORING
Basin Name:	VERDE RIVER	Driller License #:	0
Application:	08-OCT-91	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Y	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

	Database	EDR ID Number
T162 **NNW** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200079284**

Program:	55	Registry ID:	538827
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	215
Application:	04-JAN-93	Approved:	Not Reported
Installed Date:	30-MAR-93	Well Depth (ft):	8
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	8
Casing Diameter (in):	2	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	X
Watershed:	VERDE RIVER		

	Database	EDR ID Number
T163 **NNW** **1/2 - 1 Mile** **Higher**	**AZ WELLS**	**AZDWR1200093141**

Program:	55	Registry ID:	555067
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0

Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

T164
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200186342**

Program:	55	Registry ID:	807169
Owner Name:	SEDONA, CITY OF,	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	NO WATER USE
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	24-OCT-95	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	7
Casing Type:	PLASTIC OR PVC	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	6	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	Not Reported
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

T165
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093140**

Program:	55	Registry ID:	555066
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

T166
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093052**

Program:	55	Registry ID:	555046
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0

AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

T167
NNW
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200093139**

Program:	55	Registry ID:	555065
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	214
Application:	05-FEB-96	Approved:	Not Reported
Installed Date:	Not Reported	Well Depth (ft):	0
Casing Type:	NO CASING CODE LISTED	Water Level (ft):	0
AMA or INA:	OUTSIDE OF AMA OR INA	Casing Depth (ft):	0
Casing Diameter (in):	0	RGR Pump Data:	NO
Pump Type:	NO PUMP CODE LISTED	Pump Power:	NO POWER CODE LISTED
Pump Rate:	0	Tested Rate:	0
Draw Down:	0	Completion:	N
Well Cancelled:	Not Reported	Driller Log:	Not Reported
Watershed:	VERDE RIVER		

U168
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200070674**

Program:	55	Registry ID:	530050
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	68
Application:	15-NOV-90	Approved:	Not Reported
Installed Date:	30-NOV-90	Well Depth (ft):	20
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	15	Casing Diameter (in):	4
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

U169
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200070673**

Program:	55	Registry ID:	530049
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST

Basin Name:	VERDE RIVER	Driller License #:	68
Application:	15-NOV-90	Approved:	Not Reported
Installed Date:	30-NOV-90	Well Depth (ft):	20
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	15	Casing Diameter (in):	4
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

U170
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDWR1200070675**

Program:	55	Registry ID:	530051
Owner Name:	SEDONA, CITY OF,	Well Type:	ENV - MONITOR OR PIEZOMETER
Well Type Group:	MONITOR	Water Use:	TEST
Basin Name:	VERDE RIVER	Driller License #:	68
Application:	15-NOV-90	Approved:	Not Reported
Installed Date:	03-DEC-90	Well Depth (ft):	20
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING		
Water Level (ft):	0	AMA or INA:	OUTSIDE OF AMA OR INA
Casing Depth (ft):	15	Casing Diameter (in):	4
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	N	Well Cancelled:	Not Reported
Driller Log:	X	Watershed:	VERDE RIVER

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: AZ Radon

Radon Test Results (pCi/L)

Zip	City	Result (pCi/L)
86336	SEDONA	< 0.50
86336	SEDONA	= 0.20
86336	SEDONA	= 0.30
86336	SEDONA	= 0.50
86336	SEDONA	= 0.60
86336	SEDONA	= 0.70
86336	SEDONA	= 0.80
86336	SEDONA	= 0.90
86336	SEDONA	= 1.00
86336	SEDONA	= 1.10
86336	SEDONA	= 1.20
86336	SEDONA	= 1.30
86336	SEDONA	= 1.40
86336	SEDONA	= 1.50
86336	SEDONA	= 1.60
86336	SEDONA	= 1.90
86336	SEDONA	= 3.70
86336	SEDONA	= 13.50

Federal EPA Radon Zone for YAVAPAI County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 86336

Number of sites tested: 24

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.288 pCi/L	96%	4%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.167 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters
Source: State Land Department
Telephone: 602-542-4094

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Arizona Well Registration Database
Source: Department of Water Resources
Telephone: 602-771-8535
The Wells database contains all wells registered in the state.

Water Well Information
Agency: Department of Environmental Quality
Telephone: 602-771-2300

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Arizona Geological Survey
Telephone: 520-770-3500
This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

RADON

State Database: AZ Radon
Source: Arizona Radiation Regulatory Agency
Telephone: 602-255-4845
State Indoor Radon Survey

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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200 Acres of Land
State Rout 89A and Forest Service Road 89B
Sedona, AZ 86336

Inquiry Number: 8113579.2s
September 18, 2025

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

FORM-NULL-PVC

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

STATE ROUT 89A AND FOREST SERVICE ROAD 89B
SEDONA, AZ 86336

COORDINATES

Latitude (North):	34.8210840 - 34° 49' 15.90"
Longitude (West):	111.8957120 - 111° 53' 44.56"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	418084.2
UTM Y (Meters):	3853370.8
Elevation:	4026 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey
Target Property:	E
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20230615
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
STATE ROUT 89A AND FOREST SERVICE ROAD 89B
SEDONA, AZ 86336

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	SEDONA, CITY OF - WW	19655 HIGHWAY 89A	FINDS, Aquifer, WWFAC	Higher	2336, 0.442, Nort

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.
WWFAC: A review of the WWFAC list, as provided by EDR, and dated 07/09/2012 has revealed that there is 1 WWFAC site within approximately 0.5 miles of the target property.

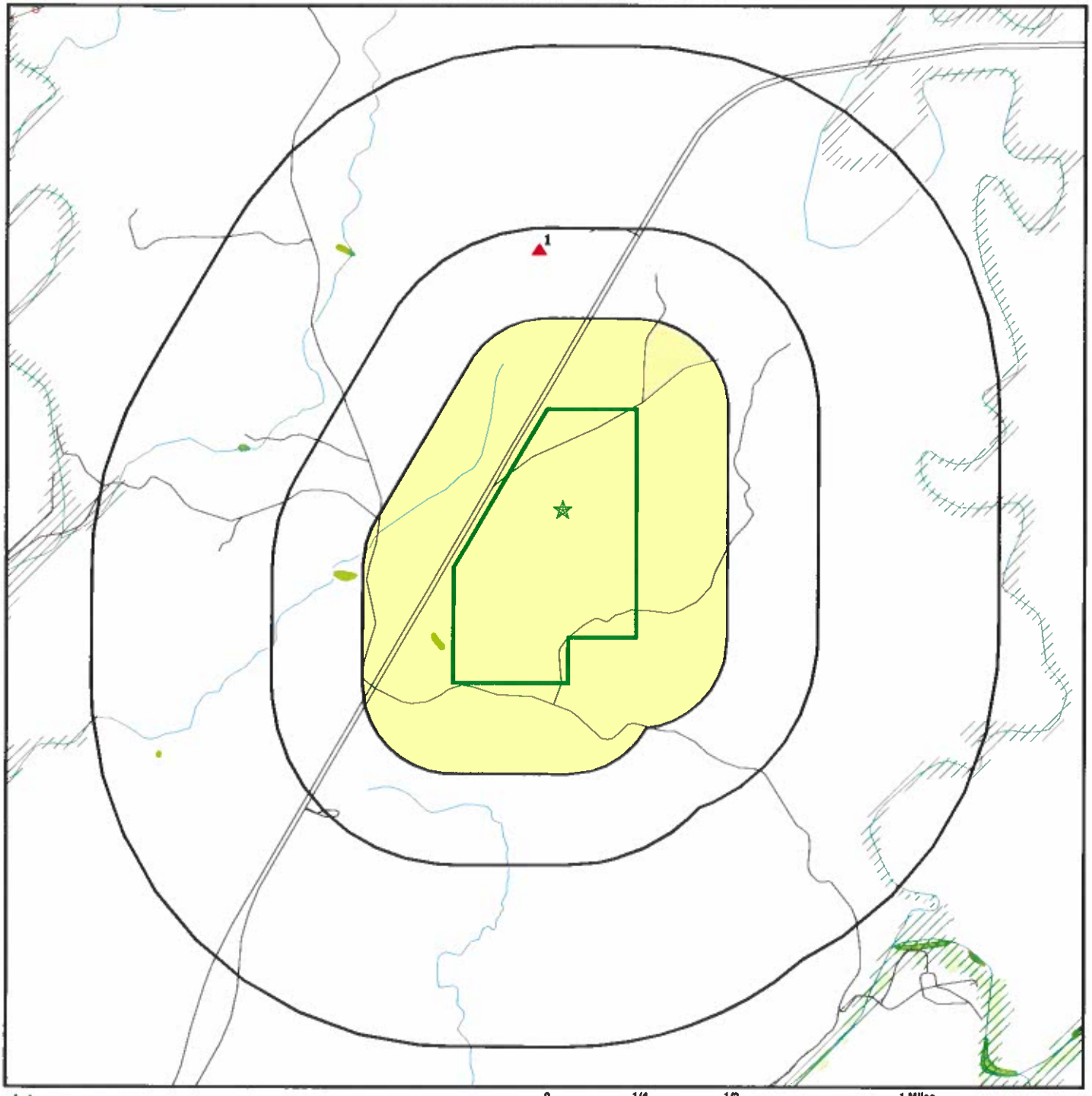
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEDONA, CITY OF - WW Place ID: 1824	***19655 HIGHWAY 89A***	***N 1/4 - 1/2 (0.442 mi.)***	***1***	***8***

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

OVERVIEW MAP - 8113579.2S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
National Priority List Sites
Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA
Power transmission lines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

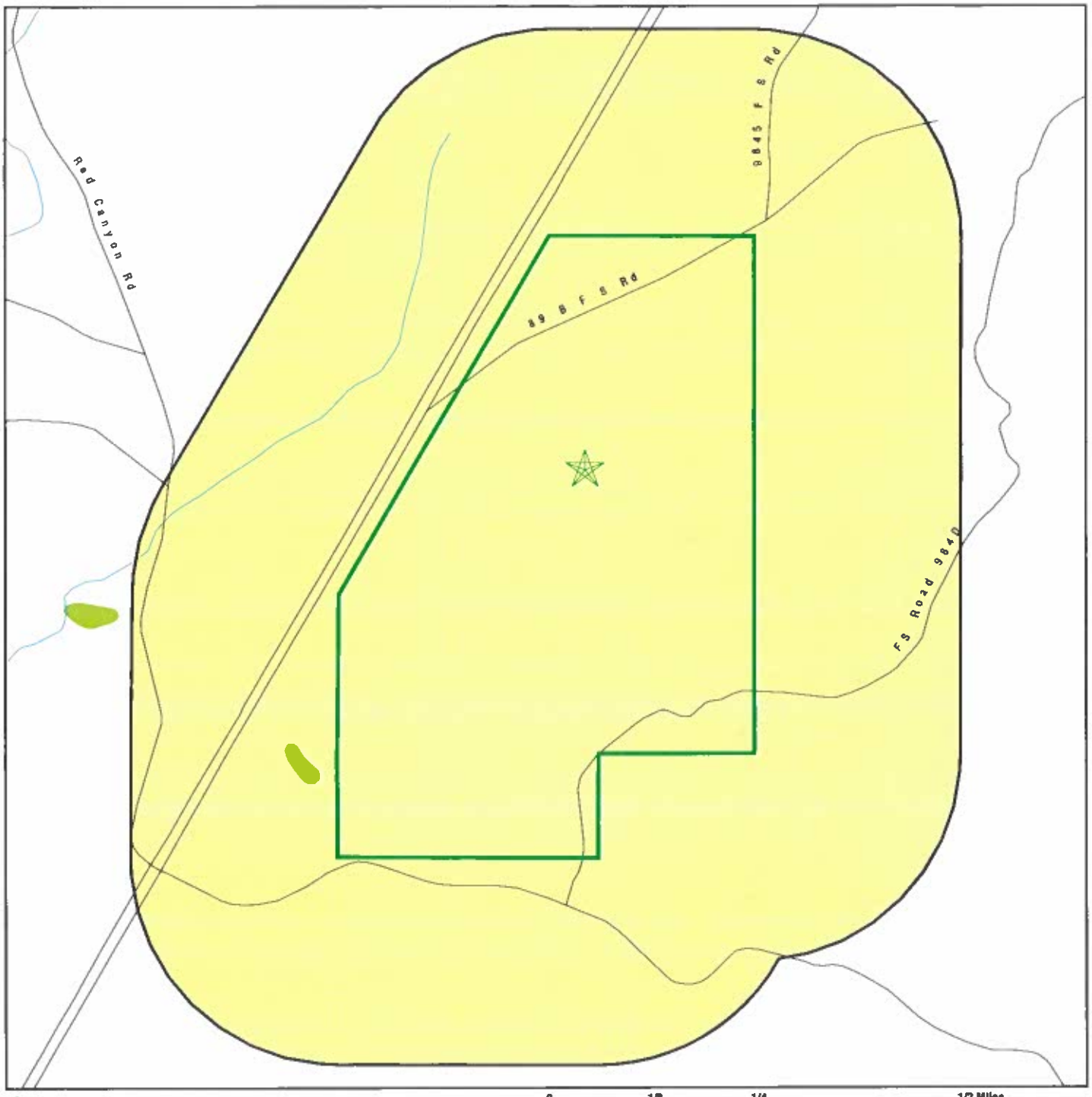
DOD Sites: AZ DEQ
Water Quality Assurance Revolving Fund Areas
AZ NPL

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 200 Acres of Land ADDRESS: State Rout 89A and Forest Service Road 89B Sedona AZ 86336 LAT/LONG: 34.821084 / 111.895712	CLIENT: Ninyo & Moore CONTACT: Jennifer Anderson INQUIRY #: 8113579.2s DATE: September 18, 2025 7:26 pm

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DETAIL MAP - 8113579.2S



0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- DOD Sites: AZ DEQ
- Water Quality Assurance Revolving Fund Areas
- AZ NPL

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	200 Acres of Land	CLIENT:	Ninyo & Moore
ADDRESS:	State Rout 89A and Forest Service Road 89B Sedona AZ 86336	CONTACT:	Jennifer Anderson
		INQUIRY #:	8113579.2s
LAT/LONG:	34.821084 / 111.895712	DATE:	September 18, 2025 7:27 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AZURITE	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
Aquifer	TP		NR	NR	NR	NR	NR	0
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	TP		NR	NR	NR	NR	NR	0
Enforcement	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WWFAC	0.500		0	0	1	NR	NR	1
DRYWELLS HIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	1	0	0	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
1 **North** **1/4-1/2** **0.442 mi.** **2336 ft.** **Relative:** **Higher**	**SEDONA, CITY OF - WWTP** **19655 HIGHWAY 89A** **SEDONA, AZ 86336** Click here for full text details **FINDS** Registry ID: 110015955171 **Aquifer** Place ID 1824 **WWFAC** Place ID 1824	**FINDS** **Aquifer** **WWFAC**	**1007145599** **N/A**

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
AZ	AIRS	Arizona Airs Database	Department of Environmental Quality	06/10/2025	06/11/2025	09/05/2025
AZ	AQUEOUS FOAM	Aqueous Film Forming Foam Listing	Department of Environmenatl Quality	11/14/2020	03/22/2022	04/26/2022
AZ	AQUIFER	Aquifer Protection Permits List	Department of Environmental Quality	05/01/2025	05/01/2025	07/14/2025
AZ	AST	List of Aboveground Storage Tanks	Department of Building & Fire Safety	12/05/2019	12/06/2019	01/31/2020
AZ	AST 2	Aboveground Storage Tank Listing	Department of Environmental Quality	05/30/2025	06/03/2025	08/27/2025
AZ	AUL	DEUR Database	Department of Environmental Quality	06/06/2025	06/11/2025	09/09/2025
AZ	AZ MANIFEST	Manifest Information	Department of Environmental Quality	12/31/2018	06/15/2021	09/09/2021
AZ	AZ NPL	NPL Detail Listing	Department of Environmental Quality	03/31/2023	05/25/2023	08/14/2023
AZ	AZURITE	Remediation and DEUR/VEMUR Tracking System	Department of Environmental Quality	06/06/2025	06/11/2025	09/09/2025
AZ	BROWNFIELDS	Brownfields Tracking System	Department of Environmental Quality	04/01/2025	08/14/2025	08/15/2025
AZ	CDL	Clandestine Drug Labs	Board of Technical Registration	10/28/2019	10/30/2019	12/12/2019
AZ	DOD	Department of Defense Sites	Department of Environmental Quality	03/31/2023	05/17/2023	08/04/2023
AZ	DRY WELLS	Drywell Registration	Department of Environmental Quality	05/13/2025	05/14/2025	08/04/2025
AZ	DRYCLEANERS	Drycleaner Facility Listing	Department of Environmental Quality	06/17/2019	07/20/2020	10/07/2020
AZ	DRYWELLS HIST	Historical Drywells Listing	Department of Environmental Quality	04/30/2018	09/26/2024	10/15/2024
AZ	EMAP	All Places of Interest Listing	Department of Environmental Quality	05/22/2025	05/23/2025	06/06/2025
AZ	ENF	Enforcement and Violation Listing	Department of Environmental Quality	04/17/2025	04/23/2025	07/14/2025
AZ	FIN ASSURANCE 1	Financial Assurance Information Listing	Department of Environmental Quality	06/16/2025	06/17/2025	09/10/2025
AZ	LUST	Leaking Underground Storage Tank Listing	Department of Environmental Quality	03/24/2025	04/01/2025	06/17/2025
AZ	NPDES	Notice of Intent Construction Stormwater General Permits Dat	Department of Environmental Quality	03/31/2025	04/02/2025	06/18/2025
AZ	PFAS	PFAS Contamination Site Listing	Department of Environmental Quality	05/16/2025	06/10/2025	09/09/2025
AZ	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Quality		07/01/2013	01/02/2014
AZ	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Quality		07/01/2013	01/15/2014
AZ	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Quality		07/01/2013	01/02/2014
AZ	SHWS	ZipAcids List	Department of Environmental Quality	01/03/2000	04/11/2000	05/16/2000
AZ	SPILLS	Hazardous Material Logbook	Department of Environmental Quality	05/20/2025	05/22/2025	08/04/2025
AZ	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/11/2001	01/03/2013	02/11/2013
AZ	SPL	Superfund Program List	Department of Environmental Quality	08/25/2004	04/04/2018	05/17/2018
AZ	SWF/LF	Directory of Solid Waste Facilities	Department of Environmental Quality	02/28/2025	03/28/2025	06/18/2025
AZ	SWTIRE	Solid Waste Tire Facilities	Department of Environmental Quality	11/20/2024	11/22/2024	02/14/2025
AZ	UIC	Underground Injection Control Wells	Arizona Geological Survey	09/30/2015	02/05/2016	04/05/2016
AZ	UST	Underground Storage Tank Listing	Department of Environmental Quality	03/24/2025	04/01/2025	06/18/2025
AZ	VAPOR	Vapor Intrusion	Department of Environmental Quality	04/21/2021	04/22/2021	07/09/2021
AZ	VCP	Voluntary Remediation Program Sites	Department of Environmental Quality	12/31/2024	01/03/2025	03/19/2025
AZ	WQARF	Water Quality Assurance Revolving Fund Sites	Department of Environmental Quality	04/03/2024	05/02/2024	07/24/2024
AZ	WWFAC	Waste Water Treatment Facilities	Department of Environmental Quality	07/09/2012	07/23/2012	09/06/2012
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	05/28/2025	05/28/2025	06/03/2025
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	04/13/2025	04/15/2025	07/08/2025
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2023	02/19/2025	03/07/2025
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2023	10/16/2024	01/14/2025
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2025	05/02/2025	07/17/2025
US	CORRACTS	Corrective Action Report	EPA	06/02/2025	06/03/2025	06/16/2025
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	03/31/2025	04/22/2025	07/17/2025
US	Delisted NPL	National Priority List Deletions	EPA	06/26/2025	07/01/2025	07/17/2025
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	06/02/2025	06/04/2025	08/13/2025
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/22/2025	06/25/2025	08/27/2025
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/10/2025	06/12/2025	06/16/2025
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/05/2025	06/20/2025	08/27/2025
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	04/08/2025	04/23/2025	04/24/2025
US	FINDS	Facility Index System/Facility Registry System	EPA	04/22/2025	05/05/2025	05/21/2025
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	07/23/2025	07/23/2025	07/29/2025
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	05/07/2025	05/13/2025	07/29/2025
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/11/2025	06/12/2025	06/16/2025
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	02/07/2024	11/13/2024	11/19/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	01/07/2025	01/16/2025	04/07/2025
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/08/2024	01/16/2025	04/07/2025
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/15/2024	01/16/2025	04/07/2025
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	06/26/2025	07/01/2025	07/17/2025
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	06/26/2025	07/01/2025	07/17/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LUCIS	Land Use Control Information System	Department of the Navy	03/11/2025	04/02/2025	06/24/2025
US	MINES MRDS	Mineral Resources Data System	USGS	06/04/2024	11/22/2024	02/18/2025
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	04/01/2025	04/02/2025	06/24/2025
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	05/07/2025	05/07/2025	06/03/2025
US	NPL	National Priority List	EPA	06/26/2025	07/01/2025	07/17/2025
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	07/01/2024	10/02/2024	01/10/2025
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/15/2024	03/06/2025	06/03/2025
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/23/2025	04/02/2025	05/05/2025
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PRP	Potentially Responsible Parties	EPA	06/26/2025	07/01/2025	07/29/2025
US	Proposed NPL	Proposed National Priority List Sites	EPA	06/26/2025	07/01/2025	07/17/2025
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RMP	Risk Management Plans	Environmental Protection Agency	04/05/2025	04/11/2025	07/08/2025
US	ROD	Records Of Decision	EPA	07/29/2025	08/04/2025	08/12/2025
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	06/26/2025	07/01/2025	07/17/2025
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	06/26/2025	07/01/2025	07/17/2025
US	SSTS	Section 7 Tracking Systems	EPA	04/14/2025	04/15/2025	07/08/2025
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2023	02/11/2025	02/18/2025
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	05/15/2025	05/15/2025	07/29/2025
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/09/2024	09/11/2024	12/06/2024
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	04/04/2025	06/02/2025	08/12/2025
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/02/2025	06/03/2025	06/16/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Acvl. Date	Active Date
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	04/04/2025	06/02/2025	08/12/2025
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/01/2025	05/20/2025	07/29/2025
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	04/08/2025	05/20/2025	08/12/2025
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	02/14/2025	03/11/2025	06/03/2025
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/04/2025	05/06/2025	07/21/2025
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
AZ	Daycare Centers	Sensitive Receptor: Child Care Facilities & Group Homes	Department of Health Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
AZ	State Wetlands	Riparian Vegetation Associated with Perennial Waters	State Land Department			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

200 ACRES OF LAND
STATE ROUT 89A AND FOREST SERVICE ROAD 89B
SEDONA, AZ 86336

TARGET PROPERTY COORDINATES

Latitude (North):	34.821084 - 34° 49' 15.90"
Longitude (West):	111.895712 - 111° 53' 44.56"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	418084.2
UTM Y (Meters):	3853370.8
Elevation:	4026 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50000724 PAGE SPRINGS, AZ
Version Date:	2021
East Map:	50000876 SEDONA, AZ
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

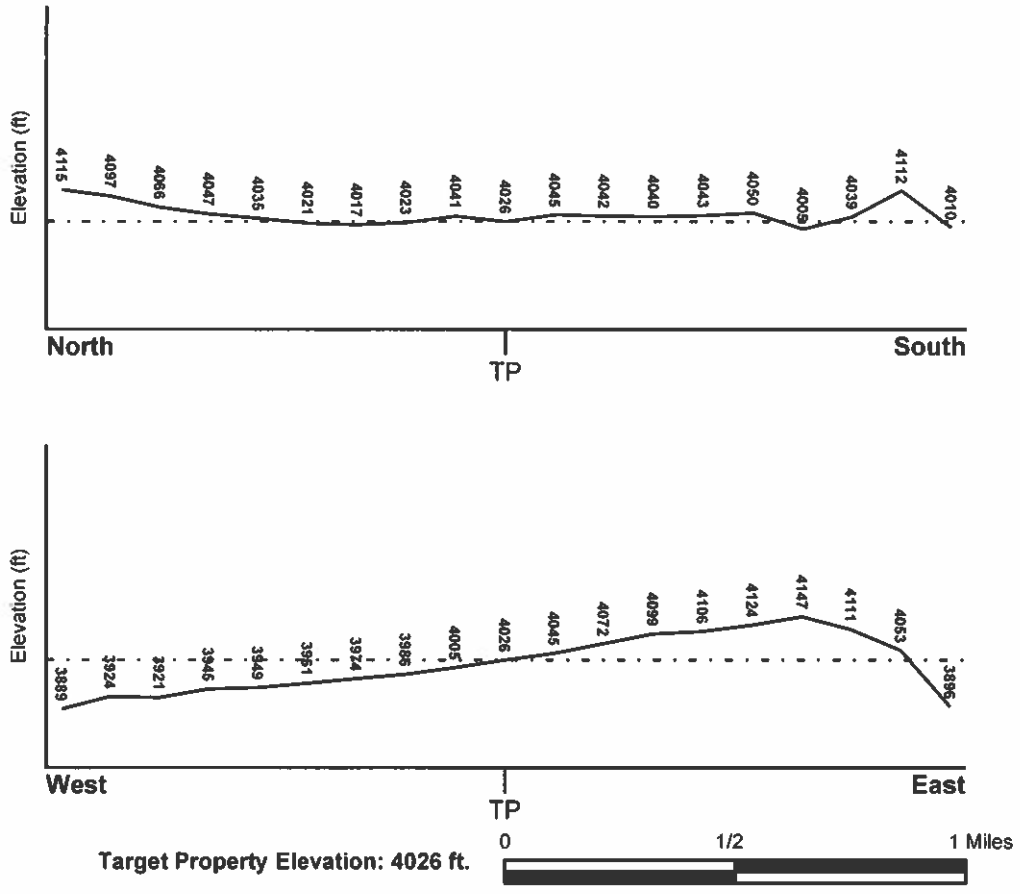
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
04025C1425G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
04025C1420G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Permian
Series:	Lower part of Leonardian Series
Code:	P2a *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	RANSECT
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 20 inches

Depth to Bedrock Max: > 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	3 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 7.40
2	3 inches	38 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 7.40
3	38 inches	42 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: No Other Soil Types

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Q134	USGS40000063036	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	AZDWR1200219698	1/8 - 1/4 Mile West
2	AZDWR1200223431	1/4 - 1/2 Mile East
A3	AZDWR1200213571	1/4 - 1/2 Mile WSW
A4	AZDWR1200217911	1/4 - 1/2 Mile WSW
B5	AZDWR1200100625	1/4 - 1/2 Mile NE
B6	AZDWR1200100626	1/4 - 1/2 Mile NE
C7	AZDWR1200045173	1/4 - 1/2 Mile North
C8	AZDWR1200040705	1/4 - 1/2 Mile North
C9	AZDWR1200094194	1/4 - 1/2 Mile North
C10	AZDWR1200099761	1/4 - 1/2 Mile North
C11	AZDWR1200099760	1/4 - 1/2 Mile North
D12	AZDWR1200073628	1/4 - 1/2 Mile NNW
D13	AZDWR1200045174	1/4 - 1/2 Mile NNW
D14	AZDWR1200040881	1/4 - 1/2 Mile NNW
D15	AZDWR1200079281	1/4 - 1/2 Mile NNW
D16	AZDWR1200118726	1/4 - 1/2 Mile NNW
D17	AZDWR1200099765	1/4 - 1/2 Mile NNW
D18	AZDWR1200099762	1/4 - 1/2 Mile NNW
E19	AZDWR1200026401	1/4 - 1/2 Mile NNE
E20	AZDWR1200025265	1/4 - 1/2 Mile NNE
E21	AZDWR1200040704	1/4 - 1/2 Mile NNE
E22	AZDWR1200094193	1/4 - 1/2 Mile NNE
E23	AZDWR1200045172	1/4 - 1/2 Mile NNE
F24	AZDWR1200100623	1/4 - 1/2 Mile ESE
F25	AZDWR1200100624	1/4 - 1/2 Mile ESE
G26	AZDWR1200093131	1/4 - 1/2 Mile NNW
G27	AZDWR1200093130	1/4 - 1/2 Mile NNW
G28	AZDWR1200118724	1/4 - 1/2 Mile NNW
G29	AZDWR1200218449	1/4 - 1/2 Mile NNW
G30	AZDWR1200118725	1/4 - 1/2 Mile NNW
H31	AZDWR1200040412	1/4 - 1/2 Mile SSW
H32	AZDWR1200118109	1/4 - 1/2 Mile SSW
I33	AZDWR1200073531	1/4 - 1/2 Mile North
I34	AZDWR1200073530	1/4 - 1/2 Mile North
I35	AZDWR1200079190	1/4 - 1/2 Mile North
I36	AZDWR1200079189	1/4 - 1/2 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J37	AZDWR1200073537	1/4 - 1/2 Mile NNW
J38	AZDWR1200073538	1/4 - 1/2 Mile NNW
J39	AZDWR1200079198	1/4 - 1/2 Mile NNW
J40	AZDWR1200073536	1/4 - 1/2 Mile NNW
J41	AZDWR1200073532	1/4 - 1/2 Mile NNW
J42	AZDWR1200073533	1/4 - 1/2 Mile NNW
J43	AZDWR1200073535	1/4 - 1/2 Mile NNW
J44	AZDWR1200079199	1/4 - 1/2 Mile NNW
J45	AZDWR1200093058	1/4 - 1/2 Mile NNW
J46	AZDWR1200093059	1/4 - 1/2 Mile NNW
J47	AZDWR1200093128	1/4 - 1/2 Mile NNW
J48	AZDWR1200079203	1/4 - 1/2 Mile NNW
J49	AZDWR1200079200	1/4 - 1/2 Mile NNW
J50	AZDWR1200079201	1/4 - 1/2 Mile NNW
J51	AZDWR1200079202	1/4 - 1/2 Mile NNW
52	AZDWR1200094195	1/4 - 1/2 Mile NNE
K53	AZDWR1200097775	1/2 - 1 Mile NNW
K54	AZDWR1200097774	1/2 - 1 Mile NNW
K55	AZDWR1200097773	1/2 - 1 Mile NNW
K56	AZDWR1200097778	1/2 - 1 Mile NNW
K57	AZDWR1200097777	1/2 - 1 Mile NNW
K58	AZDWR1200097776	1/2 - 1 Mile NNW
K59	AZDWR1200093129	1/2 - 1 Mile NNW
K60	AZDWR1200079280	1/2 - 1 Mile NNW
K61	AZDWR1200079279	1/2 - 1 Mile NNW
K62	AZDWR1200093132	1/2 - 1 Mile NNW
K63	AZDWR1200093135	1/2 - 1 Mile NNW
K64	AZDWR1200093134	1/2 - 1 Mile NNW
K65	AZDWR1200093133	1/2 - 1 Mile NNW
K66	AZDWR1200073617	1/2 - 1 Mile NNW
K67	AZDWR1200073616	1/2 - 1 Mile NNW
K68	AZDWR1200066749	1/2 - 1 Mile NNW
K69	AZDWR1200073618	1/2 - 1 Mile NNW
K70	AZDWR1200079210	1/2 - 1 Mile NNW
K71	AZDWR1200079205	1/2 - 1 Mile NNW
K72	AZDWR1200073625	1/2 - 1 Mile NNW
K73	AZDWR1200097768	1/2 - 1 Mile NNW
K74	AZDWR1200097767	1/2 - 1 Mile NNW
K75	AZDWR1200097622	1/2 - 1 Mile NNW
K76	AZDWR1200097769	1/2 - 1 Mile NNW
K77	AZDWR1200097772	1/2 - 1 Mile NNW
K78	AZDWR1200097771	1/2 - 1 Mile NNW
K79	AZDWR1200097770	1/2 - 1 Mile NNW
K80	AZDWR1200097617	1/2 - 1 Mile NNW
K81	AZDWR1200093145	1/2 - 1 Mile NNW
K82	AZDWR1200093144	1/2 - 1 Mile NNW
K83	AZDWR1200097618	1/2 - 1 Mile NNW
K84	AZDWR1200097621	1/2 - 1 Mile NNW
K85	AZDWR1200097620	1/2 - 1 Mile NNW
K86	AZDWR1200097619	1/2 - 1 Mile NNW
L87	AZDWR1200100209	1/2 - 1 Mile ENE
L88	AZDWR1200100622	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

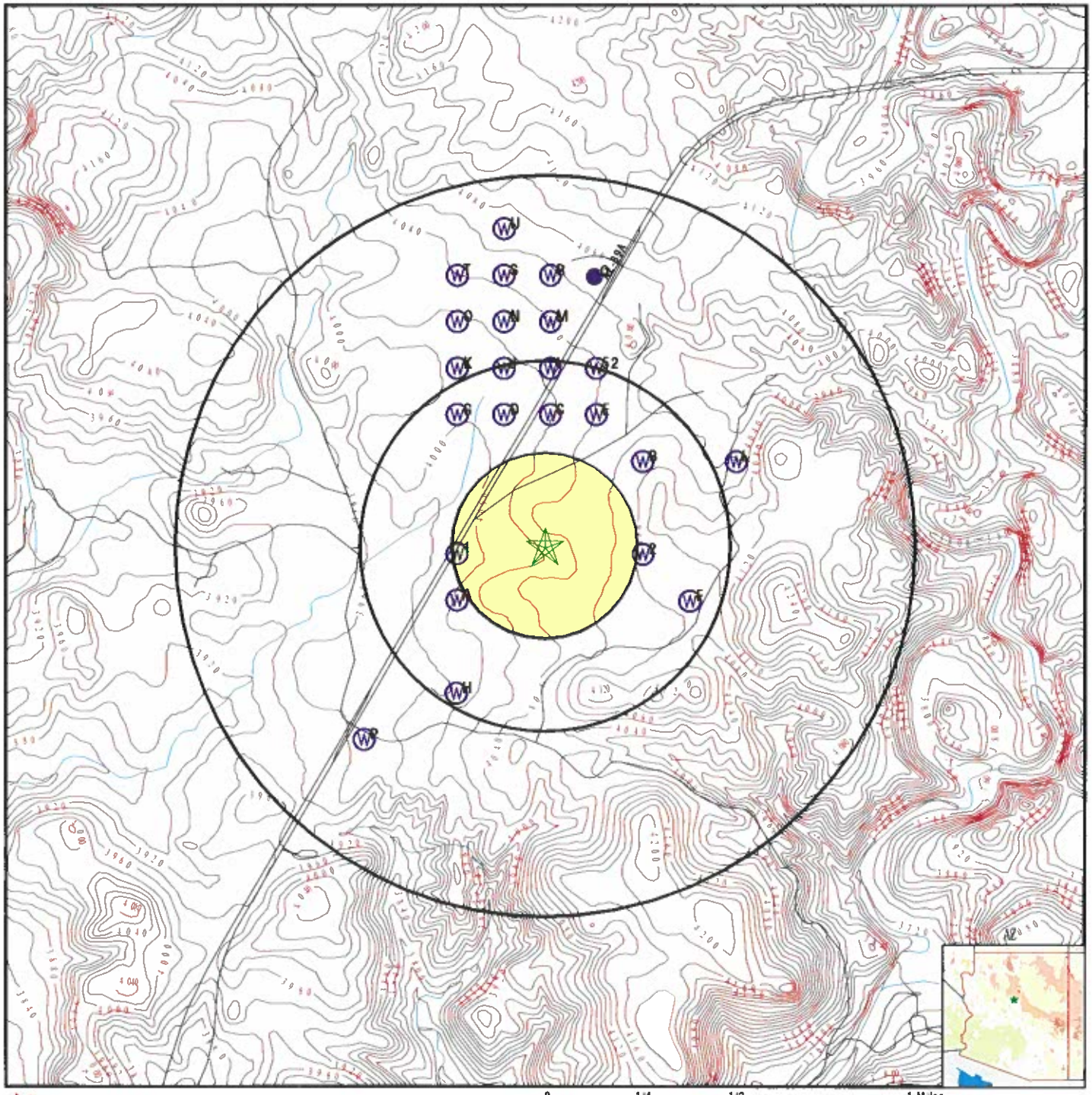
MAP ID	WELL ID	LOCATION FROM TP
M89	AZDWR1200073527	1/2 - 1 Mile North
M90	AZDWR1200073528	1/2 - 1 Mile North
M91	AZDWR1200023416	1/2 - 1 Mile North
M92	AZDWR1200073526	1/2 - 1 Mile North
M93	AZDWR1200073529	1/2 - 1 Mile North
M94	AZDWR1200076654	1/2 - 1 Mile North
M95	AZDWR1200076655	1/2 - 1 Mile North
M96	AZDWR1200076652	1/2 - 1 Mile North
M97	AZDWR1200076653	1/2 - 1 Mile North
N98	AZDWR1200073612	1/2 - 1 Mile North
N99	AZDWR1200073611	1/2 - 1 Mile North
N100	AZDWR1200079191	1/2 - 1 Mile North
N101	AZDWR1200073613	1/2 - 1 Mile North
N102	AZDWR1200073541	1/2 - 1 Mile North
N103	AZDWR1200073534	1/2 - 1 Mile North
N104	AZDWR1200073543	1/2 - 1 Mile North
N105	AZDWR1200073542	1/2 - 1 Mile North
N106	AZDWR1200079192	1/2 - 1 Mile North
N107	AZDWR1200093055	1/2 - 1 Mile North
N108	AZDWR1200079197	1/2 - 1 Mile North
N109	AZDWR1200093057	1/2 - 1 Mile North
N110	AZDWR1200093056	1/2 - 1 Mile North
N111	AZDWR1200079194	1/2 - 1 Mile North
N112	AZDWR1200079193	1/2 - 1 Mile North
N113	AZDWR1200079196	1/2 - 1 Mile North
N114	AZDWR1200079195	1/2 - 1 Mile North
O115	AZDWR1200073627	1/2 - 1 Mile NNW
O116	AZDWR1200073624	1/2 - 1 Mile NNW
O117	AZDWR1200076650	1/2 - 1 Mile NNW
O118	AZDWR1200076649	1/2 - 1 Mile NNW
O119	AZDWR1200073621	1/2 - 1 Mile NNW
O120	AZDWR1200073620	1/2 - 1 Mile NNW
O121	AZDWR1200073623	1/2 - 1 Mile NNW
O122	AZDWR1200073622	1/2 - 1 Mile NNW
O123	AZDWR1200076651	1/2 - 1 Mile NNW
O124	AZDWR1200093138	1/2 - 1 Mile NNW
O125	AZDWR1200093137	1/2 - 1 Mile NNW
O126	AZDWR1200093143	1/2 - 1 Mile NNW
O127	AZDWR1200093142	1/2 - 1 Mile NNW
O128	AZDWR1200079208	1/2 - 1 Mile NNW
O129	AZDWR1200079207	1/2 - 1 Mile NNW
O130	AZDWR1200093136	1/2 - 1 Mile NNW
O131	AZDWR1200079209	1/2 - 1 Mile NNW
P132	AZDWR1200100207	1/2 - 1 Mile SW
P133	AZDWR1200100208	1/2 - 1 Mile SW
R135	AZDWR1200073540	1/2 - 1 Mile North
R136	AZDWR1200073539	1/2 - 1 Mile North
R137	AZDWR1200079204	1/2 - 1 Mile North
R138	AZDWR1200079206	1/2 - 1 Mile North
S139	AZDWR1200070677	1/2 - 1 Mile North
S140	AZDWR1200073614	1/2 - 1 Mile North
S141	AZDWR1200073619	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
S142	AZDWR1200070676	1/2 - 1 Mile North
S143	AZDWR1200004658	1/2 - 1 Mile North
S144	AZDWR1200004659	1/2 - 1 Mile North
S145	AZDWR1200042601	1/2 - 1 Mile North
S146	AZDWR1200093054	1/2 - 1 Mile North
S147	AZDWR1200131505	1/2 - 1 Mile North
S148	AZDWR1200200010	1/2 - 1 Mile North
S149	AZDWR1200079282	1/2 - 1 Mile North
S150	AZDWR1200079283	1/2 - 1 Mile North
S151	AZDWR1200093053	1/2 - 1 Mile North
Q152	AZDEQ3000006054	1/2 - 1 Mile North
Q153	AZDWR1200076648	1/2 - 1 Mile North
Q154	AZDWR1200073525	1/2 - 1 Mile North
Q155	AZDWR1200099763	1/2 - 1 Mile North
Q156	AZDWR1200099764	1/2 - 1 Mile North
T157	AZDWR1200079285	1/2 - 1 Mile NNW
T158	AZDWR1200093050	1/2 - 1 Mile NNW
T159	AZDWR1200093051	1/2 - 1 Mile NNW
T160	AZDWR1200073615	1/2 - 1 Mile NNW
T161	AZDWR1200073626	1/2 - 1 Mile NNW
T162	AZDWR1200079284	1/2 - 1 Mile NNW
T163	AZDWR1200093141	1/2 - 1 Mile NNW
T164	AZDWR1200186342	1/2 - 1 Mile NNW
T165	AZDWR1200093140	1/2 - 1 Mile NNW
T166	AZDWR1200093052	1/2 - 1 Mile NNW
T167	AZDWR1200093139	1/2 - 1 Mile NNW
U168	AZDWR1200070674	1/2 - 1 Mile North
U169	AZDWR1200070673	1/2 - 1 Mile North
U170	AZDWR1200070675	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 8113579.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	200 Acres of Land	CLIENT:	Ninyo & Moore
ADDRESS:	State Rout 89A and Forest Service Road 89B Sedona AZ 86336	CONTACT:	Jennifer Anderson
LAT/LONG:	34.821084 / 111.895712	INQUIRY #:	8113579.2s
		DATE:	September 18, 2025 7:28 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 West 1/8 - 1/4 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200219698
2 East 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200223431
A3 WSW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200213571
A4 WSW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200217911
B5 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200100625
B6 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200100626
C7 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200045173
C8 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200040705

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C9 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200094194
C10 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200099761
C11 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200099760
D12 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073628
D13 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200045174
D14 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200040881
D15 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079281
D16 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200118726
D17 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200099765

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
D18 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200099762
E19 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200026401
E20 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200025265
E21 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200040704
E22 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200094193
E23 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200045172
F24 ESE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200100623
F25 ESE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200100624
G26 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093131

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
G27 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093130
G28 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200118724
G29 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200218449
G30 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200118725
H31 SSW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200040412
H32 SSW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200118109
I33 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073531
I34 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073530
I35 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079190

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
I36 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079189
J37 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073537
J38 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073538
J39 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079198
J40 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073536
J41 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073532
J42 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073533
J43 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073535
J44 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079199

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
J45 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093058
J46 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093059
J47 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093128
J48 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079203
J49 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079200
J50 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079201
J51 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079202
52 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200094195
K53 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097775

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K54 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097774
K55 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097773
K56 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097778
K57 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097777
K58 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097776
K59 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093129
K60 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079280
K61 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079279
K62 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093132

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K63 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093135
K64 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093134
K65 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093133
K66 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073617
K67 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073616
K68 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200066749
K69 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073618
K70 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079210
K71 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079205

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K72 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073625
K73 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097768
K74 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097767
K75 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097622
K76 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097769
K77 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097772
K78 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097771
K79 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097770
K80 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097617

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K81 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093145
K82 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093144
K83 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097618
K84 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097621
K85 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097620
K86 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200097619
L87 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200100209
L88 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200100622
M89 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073527

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
M90 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200073528**
M91 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200023416**
M92 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200073526**
M93 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200073529**
M94 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200076654**
M95 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200076655**
M96 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200076652**
M97 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200076653**
N98 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200073612**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
N99 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073611
N100 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200079191
N101 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073613
N102 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073541
N103 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073534
N104 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073543
N105 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073542
N106 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200079192
N107 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200093055

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
N108 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200079197**
N109 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200093057**
N110 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200093056**
N111 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200079194**
N112 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200079193**
N113 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200079196**
N114 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200079195**
O115 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**AZ WELLS**	**AZDWR1200073627**
O116 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**AZ WELLS**	**AZDWR1200073624**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
O117 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200076650
O118 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200076649
O119 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073621
O120 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073620
O121 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073623
O122 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200073622
O123 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200076651
O124 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093138
O125 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093137

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
O126 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093143
O127 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093142
O128 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079208
O129 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079207
O130 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200093136
O131 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200079209
P132 SW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200100207
P133 SW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDWR1200100208
Q134 North 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000063036

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
R135 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073540
R136 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073539
R137 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200079204
R138 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200079206
S139 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200070677
S140 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073614
S141 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073619
S142 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200070676
S143 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200004658

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
S144 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200004659**
S145 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200042601**
S146 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200093054**
S147 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200131505**
S148 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200200010**
S149 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200079282**
S150 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200079283**
S151 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDWR1200093053**
Q152 **North** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AZ WELLS**	**AZDEQ3000006054**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Q153 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200076648
Q154 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073525
Q155 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200099763
Q156 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200099764
T157 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200079285
T158 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200093050
T159 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200093051
T160 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073615
T161 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200073626

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
T162 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200079284
T163 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200093141
T164 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200186342
T165 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200093140
T166 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200093052
T167 NNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200093139
U168 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200070674
U169 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200070673
U170 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDWR1200070675

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: AZ Radon

Radon Test Results (pCi/L)

Zip	City	Result (pCi/L)
86336	SEDONA	< 0.50
86336	SEDONA	= 0.20
86336	SEDONA	= 0.30
86336	SEDONA	= 0.50
86336	SEDONA	= 0.60
86336	SEDONA	= 0.70
86336	SEDONA	= 0.80
86336	SEDONA	= 0.90
86336	SEDONA	= 1.00
86336	SEDONA	= 1.10
86336	SEDONA	= 1.20
86336	SEDONA	= 1.30
86336	SEDONA	= 1.40
86336	SEDONA	= 1.50
86336	SEDONA	= 1.60
86336	SEDONA	= 1.90
86336	SEDONA	= 3.70
86336	SEDONA	= 13.50

Federal EPA Radon Zone for YAVAPAI County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 86336

Number of sites tested: 24

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.288 pCi/L	96%	4%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.167 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters
Source: State Land Department
Telephone: 602-542-4094

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Arizona Well Registration Database
Source: Department of Water Resources
Telephone: 602-771-8535
The Wells database contains all wells registered in the state.

Water Well Information
Agency: Department of Environmental Quality
Telephone: 602-771-2300

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Arizona Geological Survey
Telephone: 520-770-3500
This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

RADON

State Database: AZ Radon
Source: Arizona Radiation Regulatory Agency
Telephone: 602-255-4845
State Indoor Radon Survey

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Appendix H -

Vapor Encroachment Screening Matrix

Phase I ESA Vapor Encroachment Conditions (VEC) matrix includes a (1) Search Radius Test, (2) Chemicals of Concern Test (COC), and (3) a Critical Distance Test [1].

(1) Search Radius Test: Are there any known or suspect contaminated properties in the primary area of concern within the corresponding search radii (including the site)?

☐ Yes☒ No — If ***No***, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If ***Yes***, then:

(2) Chemicals of Concern Test: Are COC likely to be present within the area of concern for those known or suspect contaminated sites identified based on the Search Distance Test?

☐Yes ☐ No — If ***No***, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If ***Yes***, then:

(3) Critical Distance Test*: A plume test to determine whether or not COC in the contaminated plume(s) may be within the critical distance.

☐ Yes ☐ No — (3a) Is information related to the contaminated(s) plume available (i.e. iso-concentration maps, site drawings, etc.)?
(3b) If ***No***, then a VEC cannot be ruled out; check ***Yes*** in #4 below indicating it is likely a VEC exists. If ***Yes***, then:

☐ Yes ☐ No — (3c) Is the site less than 100 feet to the nearest edge of a contaminated [non-petroleum hydrocarbon] plume(s)? If ***Yes***, then check ***Yes*** in #4 below indicating it is likely a VEC exists.

☐ Yes ☐ No — (3d) Is the site less than 30 feet to the nearest edge of a dissolved petroleum hydrocarbon plume(s)? If ***Yes***, then check ***Yes*** in #4 below indicating it is likely a VEC exists.

*If the distance from the nearest edge of a contaminated plume to the nearest existing or planned structure on the site is less than 100 feet for non-petroleum hydrocarbon COC, or less than 30 feet for dissolved petroleum hydrocarbons, then it is presumed that a VEC *currently* exists beneath the site. If the distance from the nearest edge of the contaminated plume is greater than or equal to 100 feet for non-petroleum hydrocarbons, or 30 feet for dissolved petroleum hydrocarbon chemicals of concern, then it is presumed unlikely that a VEC *currently* exists beneath the site.

(4) Is it likely that a VEC *currently* exists beneath the site?

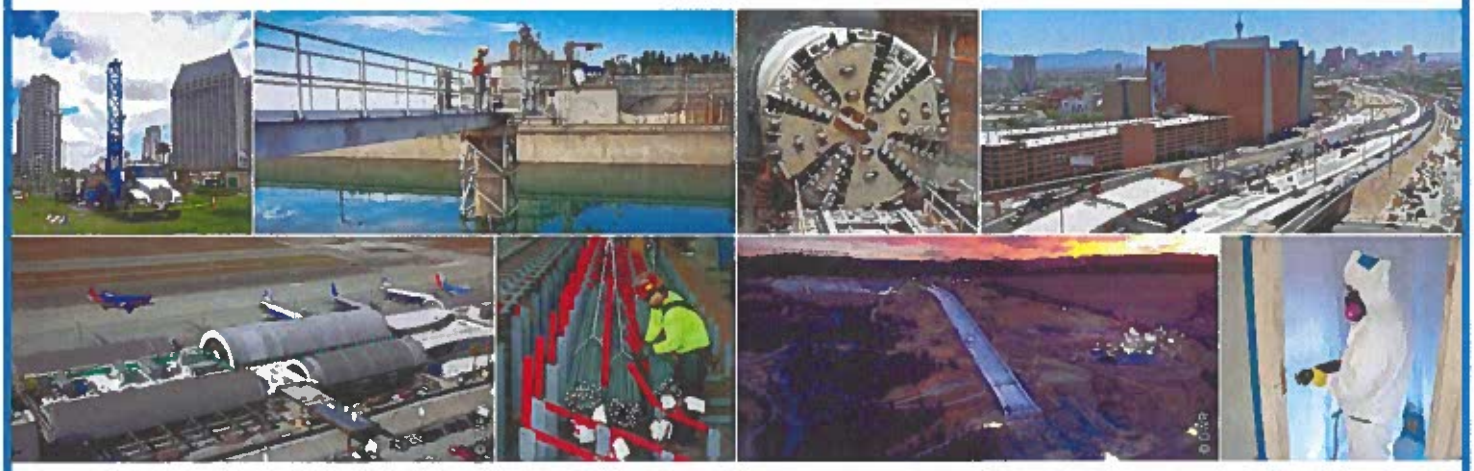
☐ Yes ☒ No — If ***No***, then the VEC screening is complete and no further investigation is recommended at this time. If ***Yes***, Ninyo & Moore recommends performing additional assessment, such as a Tier 2 VEC assessment according to ASTM E 2600-15.

[1] Based on guidance presented in the ASTM E 2600-15 Standard.

Geotechnical Services
Sedona 200-Acre Site
Near State Route 89A and
Forest Road 89B
Sedona, Arizona

City of Sedona
102 Roadrunner Drive | Sedona, Arizona 86336

November 19, 2025 | Project No. 609020001



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

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Ninyo & Moore
A SOCOTEC COMPANY

November 19, 2025
Project No. 609020001

Ms. Roxanne Holland, PE
City of Sedona
102 Roadrunner Drive
Sedona, Arizona 86336

Subject: Geotechnical Services
Sedona 200-Acre Site
Near State Route 89A and Forest Road 89B
Sedona, Arizona

Dear Ms. Holland:

In accordance with our proposal dated August 7, 2025, and your authorization, Ninyo & Moore has performed a geotechnical evaluation for the above-referenced site. The attached report presents our methodology, findings, conclusions, and preliminary recommendations regarding the geotechnical conditions at the project site.

We appreciate the opportunity to be of service to you on this project.

Respectfully submitted,
NINYO & MOORE

Dylan C. Walker, PE
Project Engineer

Steven D. Nowaczyk, PE
Managing Principal Engineer

DCW/SDN/tlp



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1 – Site Location
2 – Boring Locations

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A – Boring Logs
B – Laboratory Testing

1 INTRODUCTION

In accordance with our proposal dated August 7, 2025, and your authorization, we have performed geotechnical services for the proposed Sedona 200-Acre Project to be located near State Route 89A and Forest Road 89B in Sedona, Arizona. The purpose of our evaluation was to assess the subsurface conditions at the project site in order to provide geotechnical preliminary recommendations for design and construction. This report presents the results of our work, and our geotechnical considerations and preliminary recommendations regarding the site.

2 SCOPE OF SERVICES

The scope of our services for this project generally included:

- Reviewing readily available geotechnical data, aerial photographs, and published geologic literature, including maps and reports pertaining to the project site and vicinity.
- Conducting a geologic reconnaissance of the site.
- Marking out the boring locations at the project site, securing permission to access the site, and notifying Arizona 811 of the boring locations prior to excavating.
- Drilling, logging, and sampling 15 exploratory borings to depths of approximately 0.5 to 4 feet below ground surface (bgs) using hand sampling equipment. The boring logs are presented in Appendix A.
- Collecting soil samples in the borings at select intervals to evaluate in-situ moisture content and dry density, gradation, Atterberg limits, consolidation, and corrosivity characteristics (including pH, minimum electrical resistivity, and soluble sulfate and chloride contents). The in-situ moisture content and dry density results are presented on the boring logs in Appendix A. The remainder of the laboratory test results are presented in Appendix B.
- Preparing this report presenting our findings, conclusions, and recommendations regarding the design and construction of the project.

3 SITE DESCRIPTION

The project site is located near the northeast corner of State Route 89A and Forest Road 89B in Sedona, Arizona (Figure 1). The subject parcels are also known as Yavapai County Recorder Assessor Parcel Number 408-21-463D and 408-21-463F. At the time of our evaluation, the site consisted of an undeveloped parcel with scattered vegetation and natural washes. The site was also covered by multiple irrigation lines that actively irrigated the property with effluent water. The site was bound by State Route 89A and the Sedona Wetlands Preserve to the west and undeveloped forest land and forest roads to the north, south, and east.

According to the Page Springs, Arizona 7.5-Minute United States Geological Survey (USGS) Topographic Quadrangle Map (2021), the site is at an average elevation of roughly 4,020 feet relative to mean sea level (MSL). Based on information from this topographic quadrangle map, the ground surface at the site vicinity gently slopes from the east to the west.

4 AERIAL PHOTOGRAPH REVIEW

Aerial photographs dated 1980 through 2023 from the Historical Aerial website and Google Earth™ were reviewed for this project. A summary of the observations noted for each aerial photograph is presented in Table 1:

Table 1 – Summary of Aerial Photograph Review

Photograph Date(s)	Site	Adjacent Properties	
1980, 1992, 1997, 2003, 2005, 2007, 2010, 2013, 2015, 2017, 2019, 2021, 2023	Undeveloped land with scattered vegetation depicted as early as 1980. Irrigation lines depicted as early as 1997.	North:	Undeveloped land with scattered vegetation. Sedona Wetlands Preserve depicted as early as 1992.
		South:	Undeveloped land with scattered vegetation.
		East:	Undeveloped land with scattered vegetation.
		West:	State Route 89A and undeveloped land with scattered vegetation.

5 PROJECT GOAL

As mentioned earlier, the site has been irrigated with effluent water over the last +/- 20 years. There is no planned development associated with this site. However, we understand that the City of Sedona has a desire to better understand if the past irrigation activities have adversely affected the geotechnical properties of the underlying soils within the site as it relates to future development. This report specifically addressing the geotechnical aspects of the underlying soils within the site, assuming future development consisting of a standard single-story, shallow foundation, slab-on-grade project occurs, with ancillary pavement and underground utilities features. Please note that a separate report has been prepared that addresses the environmental aspects of the underlying soils within the site.

6 FIELD EXPLORATION AND LABORATORY TESTING

On October 15, 2025 and October 21, 2025, Ninyo & Moore conducted a subsurface exploration at the site in order to evaluate the subsurface conditions and to collect soil samples for laboratory testing. Our evaluation consisted of drilling, logging, and sampling of 15 small-diameter borings using hand sampling equipment. The borings, denoted as B-1 through B-15,

extended to depths of approximately 0.5 to 4 feet bgs (Figure 2). These borings typically refused on varying amounts of gravel, decomposed granite, scattered to numerous caliche nodules, and/or cobbles with varying degrees of cementation prior to achieving their targets depths. Bulk and relatively undisturbed soil samples were collected at selected intervals. Descriptions of the soils encountered are presented in the test pit logs in Appendix A.

The soil samples collected from our excavation activities were transported to the Ninyo & Moore laboratory in Phoenix, Arizona. In addition, Ninyo & Moore performed laboratory tests on selected samples obtained from the borings to evaluate the in-situ moisture content and dry density, gradation, Atterberg limits, consolidation, and corrosivity characteristics (including pH, minimum electrical resistivity, and soluble sulfate and chloride contents).

The in-situ moisture content and dry density results are presented on the boring logs in Appendix A. A description of the laboratory testing as well as the remainder of the laboratory test results are presented in Appendix B.

7 GEOLOGY AND SUBSURFACE CONDITIONS

The geology and subsurface conditions at the site are described in the following sections.

7.1 Geologic Setting

The project site is located in what is known as the Transition Zone physiographic province, an approximately 50-mile-wide mountain belt that traverses northwest-southeast through central Arizona. This province is the physiographic transition between the Colorado Plateau province and Basin and Range province in Arizona. The province is characterized by the presence of Proterozoic (1.7 billion years) granitic and metamorphic rocks that were exposed as the sedimentary Paleozoic (510 million years) and Mesozoic (245 million years) rocks were eroded away. High-angle normal faults and block faulting occurred during the Mid-Tertiary which also coincided with an increase in volcanic activity during this time (Kamilli and Richard, 1998).

The surficial geology of the site is described as Late to middle Miocene Basaltic Rocks (8 to 16 Ma years) landforms including mostly dark, mesa-forming basalt deposited as lava flows. Rocks of this unit are widely exposed south of Camp Verde (Hickey Formation basalts), in the Mohon Mountains north of Bagdad, "The Mesa" east of Parker, and at other scattered locations in western Arizona. Rocks of this unit were not tilted by middle-Tertiary normal faulting except in a narrow belt from north of Phoenix to the northwest corner of the state (Richard, Reynolds, Spencer, and Pearthree, 2000). Descriptions of the soils encountered during our subsurface exploration are presented in Section 7.2.

7.2 Subsurface Conditions

Our knowledge of the subsurface conditions at the project site is based on the results of our exploratory borings and our understanding of the general geology of the area. The boring logs contain our field test results, as well as our interpretation of the conditions likely to exist between actual samples retrieved. Therefore, the boring logs contain both factual and interpretive information. Lines delineating subsurface strata on the boring logs are intended to group soils having similar engineering properties and characteristics. They should be considered approximate, as the actual transition between soil types may be gradual. Detailed stratigraphic information as well as a key to the soil symbols and terms used on the boring logs are provided in Appendix A.

7.2.1 Alluvium

Native alluvial soils were encountered at the surface of our borings and extended to the boring's termination depths. In our borings, the alluvium generally consisted of loose to very dense silty sands (SM), clayey sands (SC), and silty, clayey sands (SC-SM). Varying amounts of gravel, decomposed granite, scattered to numerous caliche nodules, and cobbles with varying degrees of cementation were also observed in our borings.

7.2.2 Groundwater

Groundwater was not encountered in our borings. Based on well data from the Arizona Department of Water Resources, the depth to groundwater has historically been recorded as shallow as 380 feet bgs. Groundwater levels can fluctuate due to seasonal variations, irrigation, groundwater withdrawal or injection, and other factors. In general, groundwater is anticipated to be a constraint to the construction of the project.

8 GEOLOGIC HAZARDS

The following sections describe regional geologic hazards, including land subsidence, earth fissures, faults, and collapsible soils.

8.1 Land Subsidence and Earth Fissures

In Arizona, earth fissures are generally associated with land subsidence and pose an ongoing geologic hazard. Earth fissures generally form near the margins of geomorphic basins where significant amounts of groundwater depletion have occurred. Earth fissures form due to tensional stress caused by differential subsidence of the unconsolidated alluvial materials over buried bedrock ridges and irregular bedrock surfaces (Schumann and Genualdi, 1986).

Based on our field reconnaissance and review of the referenced material, there are no known or exposed earth-fissures present at the subject site. Continued groundwater withdrawal in the area may result in subsidence and the formation of new fissures or the extension of existing fissures. In general, land subsidence and earth fissures are not considered to be a constraint to development on this project site. If earth fissures are encountered during construction, Ninyo & Moore should be notified immediately in order to provide detailed recommendations pertaining to the mitigation of earth fissures.

8.2 Faulting and Seismicity

The site lies within the Arizona Mountain zone, which extends from northwestern Arizona to New Mexico and southeastern Arizona (Euge et al., 1992). This zone is characterized by its higher level of seismicity compared to the rest of the state. Other characteristics that distinguish this zone from much of the rest of the state are its abundant Quaternary faults with northwesterly trends and physiography. Based on our field observations, review of pertinent geologic data, and analysis of aerial photographs, faults are not located on or adjacent to the property. The closest fault system to the site is the Casner Cabin Fault Zone, located about 15 miles to the northeast of the site (Pearthree, 1998). The Casner Cabin Fault Zone is a series of northwest striking normal gaults that dip to the southwest and northeast situated near the Mogollon Rim. The last documented movements along this fault was approximately 750,000 years ago during the Middle Pleistocene epoch. The slip-rate category of this fault is less than 0.2 millimeters per year (Pearthree, 1998). Seismic parameters recommended for design of the proposed improvements are presented in Section 10.2.

9 PRELIMINARY RECOMMENDATIONS

The following sections present our preliminary geotechnical recommendations and were developed based on our understanding of the project goals (Section 5), the observed subsurface conditions (Section 7.2), and our experience. If the proposed development is changed from that discussed herein or subsurface conditions other than those shown on the boring logs (Appendix A) are observed at the time of construction, Ninyo & Moore should be retained to conduct a review of the new information and to evaluate the need for additional recommendations. A formal, more detailed geotechnical evaluation for the site will be needed once the future development detailed are established.

9.1 Earthwork

In general, the recommendations and guidelines outlined in the Maricopa Association of Governments (MAG), *Uniform Standard Specifications and Details for Public Works Construction*, any amendments by Yavapai Association of Governments (YAG), and any City of Sedona Supplements are expected to apply, except as noted. If the proposed development is changed from that discussed in this report, Ninyo & Moore should be contacted for additional recommendations. Due to the relatively widely spaced nature of our borings, soil conditions not observed in our borings may be encountered during construction.

9.1.1 Site Preparation

Prior to placing any fill, pavement, or flatwork, the following guidelines should be followed:

- Obstructions that extend below finish grade, if any, should be removed and the resulting holes filled with compacted soil.
- After stripping, clearing, grubbing, and root raking is performed and prior to placement of any fill soils, the exposed subgrade should be evaluated by proof-rolling. Any soft or weak areas observed during the proof-rolling process should be removed and replaced with compacted material as outlined in Section 9.1.7.
- Proof-rolling should be accomplished with a pneumatic-tired roller, a loaded dump truck, or similar equipment weighing approximately 20 tons and observed by the Geotechnical Engineer-of-Record, or the Engineer's designated representative.

Due to the clayey and silty nature of the surficial soils, traffic of heavy equipment (including heavy compaction equipment) may create pumping and general deterioration of shallow soils. Therefore, some construction difficulties should be anticipated, especially during periods when these soils are wet.

9.1.2 Wet Weather Conditions

Earthwork contractors should be made aware of the moisture sensitivity of the near surface clayey and silty soils and potential compaction difficulties. If construction is undertaken during wet weather conditions, the surficial soils may become saturated, soft, and unworkable. Therefore, we recommend that consideration be given to construction during the dryer months and positive drainage be established and maintained during construction.

9.1.3 Subgrade Improvement

The native alluvial soils we encountered in our borings are prone to consolidation when inundated with water and are not considered suitable for providing foundational support in their current state. As such, we recommend that new footings associated with this project

that are planned to be situated near existing grade be supported on a zone of moisture-conditioned and compacted engineered fill that extends 2 to 4 feet below the foundation bearing elevation. This zone of overexcavation should extend laterally a distance of three to five feet or more from the edge of the foundation.

New pavements, grade slabs, and flatwork areas should be supported on 6 to 18 inches of moisture-conditioned and compacted engineered fill. The improvements in these areas should extend one foot horizontally beyond the edges of the pavements and flatwork.

Once the overexcavation is finished and the underlying soils are exposed, further evaluation should be made by the on-site geotechnical representative. Based on this evaluation, additional remediation may be needed. This could include further scarification of the exposed surface. The additional remediation, if needed, should be addressed by the geotechnical consultant during earthwork operations. Excavations should be backfilled as described in Section 9.1.7 below.

9.1.4 Excavations and Temporary Slopes

Our evaluation of the excavation characteristics of the on-site materials is based on the results of our exploratory borings, site observations, and experience with similar materials. Excavation of the near-surface on-site soils can generally be accomplished with heavy-duty earthmoving equipment. Varying amounts of gravel, decomposed granite, scattered to numerous caliche nodules, and cobbles with varying degrees of cementation were encountered in our borings, which may be more difficult to excavate and/or slow the rate of excavation during construction.

The contractor should provide safely sloped excavations or an adequately constructed and braced shoring system in compliance with Occupational Safety and Health Administration (OSHA) Regulations for employees working in an excavation that may expose them to the danger of moving ground. Based on the soil conditions at the site, we recommend that OSHA Soil "Type C" classification be used for excavations at the site. This corresponds to temporary slopes of 1.5:1 (horizontal: vertical). This side slope is for excavations that are less than 20 feet deep. If material is stored or equipment is operated near an excavation, stronger shoring should be used to resist the extra pressure due to superimposed loads.

If the proposed construction extends deeper than the extent of our borings in any part of this project, Ninyo & Moore should be contacted for additional consultation and possible further evaluation of the subsurface materials.

9.1.5 Fill Materials

On-site and imported soils that exhibit relatively low plasticity indices (PI) are generally suitable for re-use as select, engineered fill. Relatively low PI, as evaluated by ASTM D4318, are defined as a PI of 15 or less for this project.

In addition, suitable fill should not include construction debris, organic material, or other non-soil fill materials. Clay lumps and rock particles should not be larger than 4 inches in dimension. Unsuitable fill material should be disposed of off-site or in non-structural areas.

Imported fill, if used, should consist of soils with a relatively low PI (15 or less). Import material in contact with ferrous metals should preferably have low corrosion potential (minimum resistivity more than 2,000 ohm-cm, chloride content less than 25 parts per million [ppm]). In lieu of this, corrosion protection techniques (e.g., cathodic protection, pipe wrapping, etc.) can be implemented. A corrosion specialist should be consulted for recommendations of an appropriate corrosion protection technique. Imported material in contact with concrete should have a soluble sulfate content of less than 0.1 percent. The geotechnical consultant should evaluate such materials and details of their placement prior to importation.

9.1.6 Re-use of On-Site Soils

The Atterberg limits tests performed on soil samples obtained from our borings resulted in PI values ranging between non-plastic (zero) and 16, however, many were 15 or less. Based on our test results, many of the on-site soils are considered suitable for re-use as engineered fill for this project. Additional field sampling and laboratory testing should be conducted by the contractor prior to or during construction to better screen for any unsuitable materials.

9.1.7 Engineered Fill Placement and Compaction

Engineered fill soils should be moisture-conditioned within the moisture range shown below in Table 2 and mechanically compacted to the percent compaction shown. Engineered fill should generally be placed in 8-inch-thick loose lifts such that each lift is firm and non-yielding under the weight of construction equipment:

Fill used to raise grade or placed in deep excavations will settle a portion of its height due to its own weight regardless of compaction level. The magnitude of this settlement will depend on the type of fill used. In general, the engineered fill recommended in this report is expected to settle about one percent of its height.

Table 2 – Compaction Recommendations		
Engineered Fill Description	**Percent Compaction per ASTM D698**	**Moisture Content**
Below foundations, grade slabs, pavements, and exterior flatwork	95 percent	±2 percent of optimum
Aggregate Base (AB) below pavements	100 percent	±3 percent of optimum
Granular Trench Backfill – Within 2 feet below pavements	100 percent	±3 percent of optimum
Non-Granular* Trench Backfill – Within 2 feet below pavement	95 percent	±2 percent of optimum
Trench Backfill – Deeper than 2 feet below pavement	95 percent	

An earthwork (shrinkage) factor of 10 to 20 percent is estimated. This shrinkage factor range represents an average of the material tested and assumes that materials excavated from the site will be placed as fill. Potential bidders should consider this in preparing estimates and should review the available data to make their own conclusions regarding excavation conditions.

9.1.8 Site Drainage

The long-term performance of the foundation system depends, in part, on maintaining positive surface drainage during the life of the structure. Adequate drainage should be provided to reduce variations in the moisture content of foundation soils. Finished grade within 5 feet of the structure should be adjusted to slope away from the structure at a slope of 2 percent, or more.

Landscaping, including planters, should not be placed in close proximity to the perimeter of the structures. Irrigation associated with landscaping may introduce significant amounts of water to the foundation soils.

Significant moisture variation within expansive soils may induce soil-related movements that can adversely affect the performance of ground-supported foundations or slabs. The following recommendations are intended to aid in maintaining relatively stable moisture conditions for the foundation soils, thus reducing the risk for significant expansive soil-related movement of shallow foundations:

- Post-construction movement of pavement and other flatwork is common and should be anticipated. Normal maintenance should include evaluation of paving and sidewalk joints, etc. and resealing where needed.

- Surface paving of exterior areas adjacent to the structures should be installed to provide an adequate seal to prohibit moisture migration into foundation soils.

- Provide positive drainage away from the planned structures to prohibit water ponding around foundations.

- Downspouts should drain 5 feet or more away from the structures. If possible, they should drain into closed conduits and be routed to suitable discharge facilities.

- A relatively impervious material should be used as backfill for utility trenches within a zone that extends laterally from the inside of the perimeter of the structures, to 5 feet outside of the proposed structures. Relatively pervious materials (i.e., sands and gravels) used as backfill may provide an avenue for water to migrate along utility trenches and should be avoided.

- Landscaping should not be placed in close proximity to the perimeter of the structures. Irrigation associated with landscaping may introduce significant amounts of water to the foundation soils.

- Trees and shrubs should not be placed closer to the foundations than a horizontal distance of about half of their mature height. Depending on their nature, trees are capable of removing significant amounts of water from the foundation soils, resulting in soil movement (shrinkage), particularly during periods of low rainfall.

- If trees are to be placed near the proposed structures, we recommend installing root barriers to aid in keeping the root system away from foundation elements.

- Ponding of water in planters, in unpaved areas, and/or around joints in paving and sidewalks can cause slab movements beyond those predicted in this report. Regular maintenance should include re-grading and/or repair of areas where ponding occurs.

9.2 Seismic Design Parameters

Design of the proposed improvements should be performed in accordance with the requirements of the governing jurisdictions and applicable building codes. Table 3 presents the seismic design parameters for the site in accordance with the International Building Code (IBC) guidelines and adjusted maximum considered earthquake spectral response acceleration parameters evaluated using the USGS ground motion calculator (web-based).

Table 3 – IBC Seismic Design Criteria	
Seismic Design Factors	**Value**
Site Class	D
Site Coefficient, F_a	1.562
Site Coefficient, F_v	2.4
Mapped Spectral Response Acceleration at 0.2-second Period, S_s	0.297 g
Mapped Spectral Response Acceleration at 1.0-second Period, S_1	0.094 g
Spectral Response Acceleration at 0.2-second Period Adjusted for Site Class, S_{MS}	0.464 g
Spectral Response Acceleration at 1.0-second Period Adjusted for Site Class, S_{M1}	0.225 g
Design Spectral Response Acceleration at 0.2-second Period, S_{DS}	0.309 g
Design Spectral Response Acceleration at 1.0-second Period, S_{D1}	0.150 g

9.3 Foundations

Spread or continuous footings may be used and should be supported at a depth of 18 inches or more below the adjacent finished grade. The footings should be supported on engineered fill, as described in Section 9.1.3. Continuous footings should have a width of 18 or more inches, and isolated spread footings should have a width of 24 or more inches. Spread or continuous footings should be reinforced in accordance with the recommendations of the structural engineer.

Based on the available soil boring information, spread footings supported on engineered fill may be designed using a net allowable bearing capacity of 2,000 to 3,000 pounds per square foot (psf) for static conditions. Net allowable bearing capacity does not include the weight of the footing or overburden. Total and differential settlement of up to about 1 inch and ½ inch over a horizontal distance of 40 feet, respectively, may occur.

These settlement estimates are based on the assumption that the foundations act as isolated foundations, that is, the clear spacing between the foundation elements are the width of the largest adjacent foundation or more, and the settlement associated with fill soils has already occurred. As described in Section 9.1.7, fill used to raise grade will settle a portion of its height due to its own weight prior to construction of the foundation systems. The magnitude of this settlement will depend on the type of fill used. In general, the fill recommended in this report is expected to settle about one percent of its height.

Foundations bearing on moisture-conditioned, compacted engineered fill that are subject to lateral loadings may be designed using an ultimate coefficient of friction of 0.35 (total frictional resistance equivalent to the coefficient of friction multiplied by the dead load). A passive resistance value of 375 psf per foot of depth can be used. The lateral resistance can be taken as the sum of the frictional resistance and passive resistance, provided that the passive resistance does not exceed one-half of the total allowable resistance. The passive and active resistance may be increased by one-third when considering loads of short duration such as wind or seismic forces. The foundations should preferably be proportioned such that the resultant force from lateral loadings falls within the kern (i.e., middle one-third).

9.4 Grade Slabs

The design of the grade slabs is the responsibility of the structural engineer. However, from a geotechnical standpoint, we recommend that grade slabs have a thickness of 4 or more inches and be reinforced per the Structural Engineer's recommendation. Placement of the reinforcement in the slab is vital for satisfactory performance. The slabs should be underlain by 4 or more inches of moist clean sand or compacted AB, which should be underlain by engineered fill as described in this report. The need for a moisture-retarding system and/or vapor retarding system should be evaluated by the structural engineer or architect based on the moisture sensitivity of the anticipated flooring.

Grade slabs should either be constructed so that they "float" independent of the foundations or be designed to be structurally connected to the foundations. Structurally reinforced slabs with thickened, integral footings should be considered. Soils underlying the slabs should be improved in accordance with the recommendations in Section 9.1.3. Joints should be constructed at intervals designed by the structural engineer to help reduce random cracking of the slab.

9.5 Pavements

For the new paved areas, we understand that both asphalt concrete (AC) and Portland cement concrete (PCC) sections may be considered. The design parameters for these pavement sections should include a 20-year design life and a traffic load of 60,000 or less Equivalent Single-Axle Loads. The pavement sections given below are assumed to bear on imported or on-site soils with an average soil R-value of 20 or more.

An AC pavement section consisting of 3 inches or more of plant-mix asphalt over 6 inches or more of graded AB can be considered in the standard duty parking areas. For heavier traveled areas of the parking lot, an asphalt pavement section consisting of 4 inches or more of plant-mix asphalt over 9 inches or more of graded AB can be utilized.

PCC pavements are recommended for areas that will experience regular truck traffic, main ingress and egress areas, and in areas where vehicles will be turning or loading (e.g., adjacent to trash dumpsters). PCC in heavy traffic areas should have a thickness of 8 inches or more, with edges thickened to 10 inches. In parking areas not subject to truck traffic, the concrete pavement thickness can be reduced to 6 inches, with edges thickened to 8 inches.

Concrete pavements should have longitudinal and transverse joints that meet the applicable requirements of the MAG Standard Specifications and Details and/or any Yavapai County requirements. Concrete pavements should be underlain by 4 inches or more of AB that meets MAG Standard Specifications and Details and/or any Yavapai County guidelines. The structural engineer should evaluate if reinforcement is needed within the concrete pavements. If reinforcement is placed within the concrete pavements, we recommend it be situated within the middle one-third of the slab height.

For both the PCC and asphalt pavements given above, we recommend that the underlying subgrade soils be prepared as described in Section 9.1.3. AB material should be moisture-conditioned and compacted as described in Section 9.1.7.

9.6 Exterior Concrete Flatwork

Exterior concrete flatwork should be supported on moisture-conditioned and compacted engineered fill as described in Section 9.1.3 and compacted to reduce the potential manifestation of distress to exterior concrete flatwork due to movement of the underlying soil, we recommend that such flatwork be installed with crack-control joints at appropriate spacing as designed by the structural engineer.

9.7 Corrosion

The corrosion potential of the on-site materials was tested to evaluate its potential effect on the foundations and structures. Our corrosion evaluation of the on-site soils is based on the results of our field and laboratory testing done for this project. A corrosion specialist should perform their own analysis.

Laboratory testing consisted of pH, minimum electrical resistivity, and chloride and soluble sulfate contents. The pH and minimum electrical resistivity tests were performed in general accordance with Arizona Test 236c, while sulfate and chloride tests were performed in accordance with Arizona Test 733 and 736, respectively. The results of these corrosivity tests are presented in Appendix B.

The soil pH value of the selected sample tested from our borings was 8.2, which is considered to be alkaline. The minimum electrical resistivity of the sample tested was 1,424 ohm-cm, which is considered corrosive to ferrous materials. The chloride content of the sample tested was 14 ppm, which indicates a non-corrosive environment for ferrous materials. The soluble sulfate content of the soil samples tested was 0.0028, which is considered to represent negligible sulfate exposure for concrete.

The results of the laboratory testing indicate that the on-site materials are corrosive to ferrous materials. To reduce the corrosion potential of buried metallic utilities, we recommend that topsoil, organic soils, soils, and mixtures of sand and clay not be placed adjacent to buried metallic utilities. Rather, we suggest that sand or gravel be placed around buried metal piping. Also, buried utilities of different metallic construction or operating temperatures should be electrically isolated from each other to minimize galvanic corrosion problems. In addition, new piping should be electrically isolated from old piping, if any, so that the old metal will not increase the corrosion rate of the new metal. A corrosion specialist should be consulted for further recommendations.

9.8 Concrete

Laboratory chemical tests performed on on-site soil samples indicated a sulfate content of 0.0028 percent by weight, which represents a negligible sulfate exposure for concrete. Based on the following American Concrete Institute (ACI) table (Table 4), the on-site soils should be considered to have negligible sulfate exposure to concrete. Based on the sulfate test results, and based on our experience with similar soil conditions, the specific use of the facility, and nearby practice, we however recommend the use of sulfate resistant cement (Type II or similar) for construction of concrete structures at this site. Due to potential uncertainties as to the use of reclaimed irrigation water, or topsoil that may contain higher sulfate contents, pozzolan or admixtures designed to increase sulfate resistance may be considered.

Table 4 – ACI Requirements for Concrete Exposed to Sulfate-Containing Soil

Sulfate Exposure	Water-Soluble Sulfate (SO_4) in Soil, Percentage by Weight	Cement Type	Water-Cementitious Materials Ratio, by Weight, Normal-Weight Aggregate Concrete[1]	f'c, Normal-Weight and Lightweight Aggregate Concrete, psi x 0.00689 for MPa
Negligible	0.00 - 0.10	--	--	--
Moderate[2]	0.10 - 0.20	II, IP(MS), IS (MS)	0.50 or less	4,000 or more
Severe	0.20 - 2.00	V	0.45 or less	4,500 or more
Very severe	Over 2.00	V plus pozzolan[3]	0.45 or less	4,500 or more

Notes:

[1] A lower water-cementitious materials ratio or higher strength may be needed for low permeability or for protection against corrosion of embedded items or freezing and thawing (ACI Table 4.2.2).

[2] Seawater.

[3] Pozzolan that has been evaluated by test or service record to improve sulfate resistance when used in concrete containing Type V cement.

We recommend that the structural concrete have a water-cementitious materials ratio no more than 0.50 by weight for normal weight aggregate concrete. The structural engineer should ultimately select the concrete design strength based on the project specific loading conditions. Higher strength concrete may be selected for increased durability and resistance to slab curling and shrinkage cracking.

9.9 Pre-Construction Conference

We recommend that a pre-construction conference be held. Representatives of the owner, civil engineer, the geotechnical consultant, and the contractor should be in attendance to discuss the project plans and schedule. Our office should be notified if the project description included herein is incorrect, or if the project characteristics are significantly changed.

9.10 Construction Observation and Testing

During construction operations, we recommend that a qualified geotechnical consultant perform observation and testing services for the project. These services should be performed to evaluate exposed subgrade conditions, including the extent and depth of overexcavation, to evaluate the suitability of the on-site materials for use as fill and to observe placement and test compaction of fill soils. If another geotechnical consultant is selected to perform observation and testing services for the project, we request that the selected consultant provide a letter to the owner, with a copy to Ninyo & Moore, indicating that they fully understand our recommendations and they are in full agreement with the recommendations contained in this report. Qualified

subcontractors utilizing appropriate techniques and construction materials should perform construction of the proposed improvements.

10 LIMITATIONS

The field evaluation, laboratory testing, and geotechnical analyses presented in this geotechnical report have been conducted in general accordance with current practice and the standard of care exercised by geotechnical consultants performing similar tasks in the project area. No warranty, expressed or implied, is made regarding the conclusions, recommendations, and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be encountered during construction. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration. Additional subsurface evaluation will be performed upon request. Please also note that our evaluation was limited to assessment of the geotechnical aspects of the project, and did not include evaluation of structural issues, environmental concerns, or the presence of hazardous materials.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document.

This report is intended for design purposes only. It does not provide sufficient data to prepare an accurate bid by contractors. It is suggested that the bidders and their geotechnical consultant perform an independent evaluation of the subsurface conditions in the project areas. The independent evaluations may include, but not be limited to, review of other geotechnical reports prepared for the adjacent areas, site reconnaissance, and additional exploration and laboratory testing.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. If geotechnical conditions different from those described in this report are encountered, our office should be notified and additional recommendations, if warranted, will be provided upon request. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

11 REFERENCES

Aerial Photograph Review, Google Earth™; dated 1980, 1992, 1997, 2003, 2005, 2007, 2010, 2013, 2015, 2017, 2019, 2021, 2023.

American Concrete Institute (ACI), 1991a, Guidelines for Concrete Floor and Slab Construction (ACI 302.1R).

American Concrete Institute (ACI), 2005, Building Code Requirements for Structural Concrete (ACI 318-05) and Commentary (ACI 318R-05).

Arizona Department of Water Resources (ADWR), "GWSI Groundwater Maps" https://gisweb.azwater.gov/waterresourcedata/.

ASTM International (ASTM), Annual Book of ASTM Standards.

Euge, K.M., Schell, B.A., and Lam, I.P., 1992, Development of Seismic Acceleration Contour Maps for Arizona: Arizona Department of Transportation Report No. AZ 92-344: dated September.

International Code Council (ICC), International Building Code (IBC).

Ninyo & Moore, In-house proprietary information.

Occupational Safety and Health Administration (OSHA), Title 29 of the Code of Federal Regulations (CFR), Part No. 1926 - Safety and Health Regulations for Construction, Subpart P - Excavations.

Pearthree, P.A., 1998, Quaternary Fault Data and Map for Arizona: Arizona Geological Survey, Open-File Report 98-24.

Richard, S.M., Reynolds, S.J., Spencer, J.E., and Pearthree, P.A., 2000, Geologic Map of Arizona: Arizona Geological Survey Map 35, 1 sheet, scale 1:1,000,000.

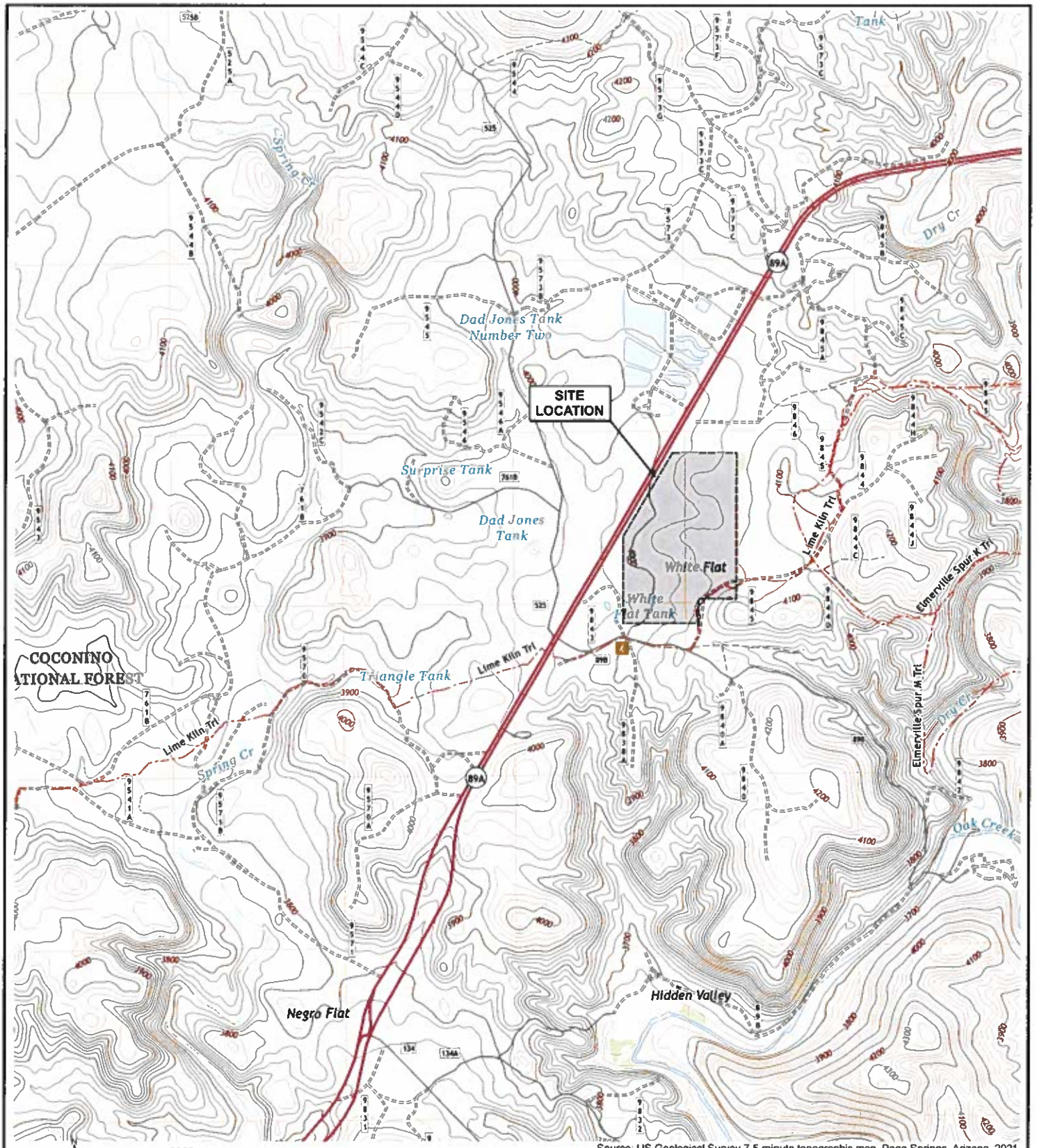
Schumann, H.H. and Genualdi, R., 1986, Land Subsidence, Earth Fissures, and Water-level Changes in Southern Arizona: Arizona Geological Survey OFR 86-14: scale 1:500,000.

United States Department of Agriculture (USDA), Soil Survey website. http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx.

United States Geological Survey (USGS), 2018, U.S. Seismic Design Maps, page URL: http://geohazards.usgs.gov/designmaps/us/application.php.

United States Geological Survey (USGS), 2021, Page Springs, Arizona, 7.5-Minute Series (Topographic): scale 1 = 24,000.

FIGURES



Source: US Geological Survey 7.5-minute topographic map, Page Springs, Arizona, 2021.

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

FIGURE 1

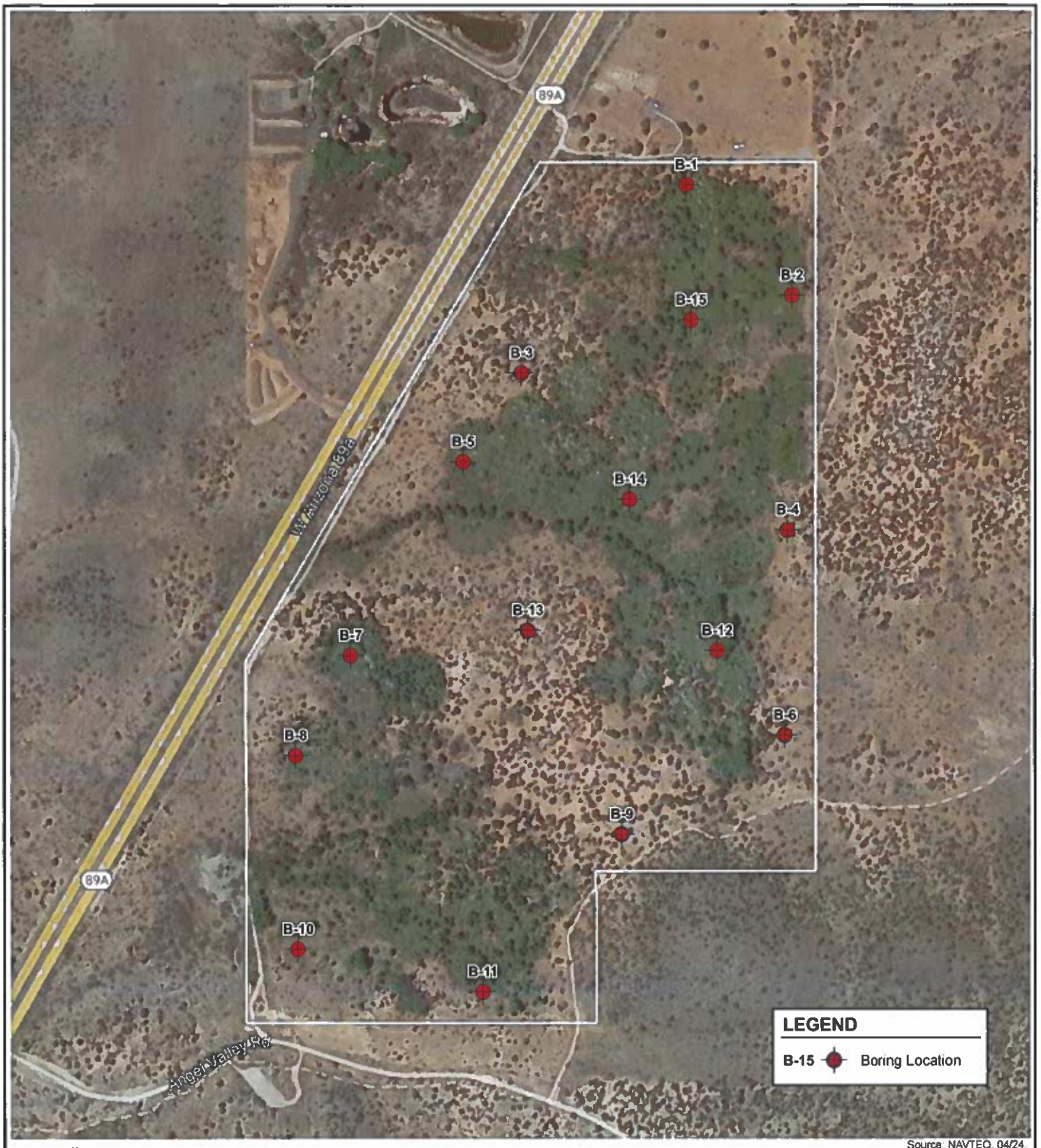
SITE LOCATION

SEDONA 200-ACRE SITE
SEDONA, ARIZONA

609020001 | 11/25

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bsm file no. 9020vmap1025



Source: NAVTEQ, 04/24

N

FEET

0 600

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

FIGURE 2

BORING LOCATIONS

SEDONA 200-ACRE SITE
SEDONA, ARIZONA

609020001 | 11/25

Ninyo & Moore
A SOCOTEC COMPANY

bsm file no: 9020blm1025

APPENDIX A

Boring Logs

APPENDIX A

BORING LOGS

Field Procedure for the Collection of Disturbed Samples
Disturbed soil samples were obtained in the field using the following methods.

Bulk Samples
Bulk samples of representative earth materials were obtained from the exploratory borings. The samples were bagged and transported to the laboratory for testing.

Field Procedure for the Collection of Relatively Undisturbed Samples
Relatively undisturbed soil samples were obtained in the field using the following method.

The Modified Split-Barrel Drive Sampler
The sampler, with an external diameter of 3.0 inches, was lined with 1-inch long, thin brass rings with inside diameters of approximately 2.4 inches. The sample barrel was driven into the ground with a 140-pound hammer falling freely from a height of 30 inches in general accordance with ASTM D3550. The approximate length of the fall, the weight of the hammer or bar, and the number of blows per foot of driving are presented on the boring logs as an index to the relative resistance of the materials sampled. The samples were removed from the sample barrel in the brass rings, sealed, and transported to the laboratory for testing.

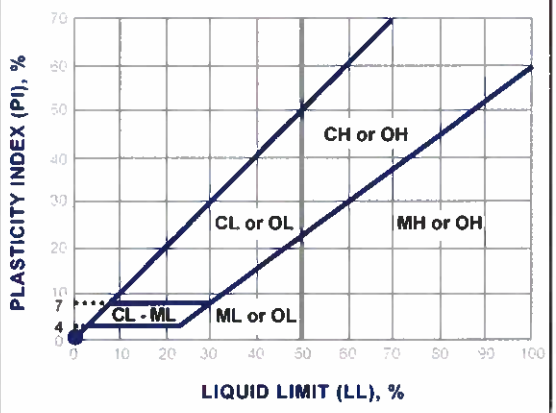
Soil Classification Chart Per ASTM D 2488

Primary Divisions			Secondary Divisions	
			Group Symbol	Group Name
COARSE-GRAINED SOILS more than 50% retained on No. 4 sieve	**GRAVEL** more than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVEL less than 5% fines	GW	well-graded GRAVEL
			GP	poorly graded GRAVEL
		GRAVEL with DUAL CLASSIFICATIONS 5% to 12% fines	GW-GM	well-graded GRAVEL with silt
			GP-GM	poorly graded GRAVEL with silt
			GW-GC	well-graded GRAVEL with clay
			GP-GC	poorly graded GRAVEL with
		GRAVEL with FINES more than 12% fines	GM	silty GRAVEL
			GC	clayey GRAVEL
			GC-GM	silty, clayey GRAVEL
	SAND 50% or more of coarse fraction passes No. 4 sieve	CLEAN SAND less than 5% fines	SW	well-graded SAND
			SP	poorly graded SAND
		SAND with DUAL CLASSIFICATIONS 5% to 12% fines	SW-SM	well-graded SAND with silt
			SP-SM	poorly graded SAND with silt
			SW-SC	well-graded SAND with clay
			SP-SC	poorly graded SAND with clay
		SAND with FINES more than 12% fines	SM	silty SAND
			SC	clayey SAND
			SC-SM	silty, clayey SAND
FINE-GRAINED SOILS 50% or more passes No. 200 sieve	**SILT and CLAY** liquid limit less than 50%	INORGANIC	CL	lean CLAY
			ML	SILT
			CL-ML	silty CLAY
		ORGANIC	OL (PI > 4)	organic CLAY
			OL (PI < 4)	organic SILT
	SILT and CLAY liquid limit 50% or more	INORGANIC	CH	fat CLAY
			MH	elastic SILT
		ORGANIC	OH (plots on or above "A"-line)	organic CLAY
			OH (plots below "A"-line)	organic SILT
	Highly Organic Soils		PT	Peat

Grain Size

Description		Sieve Size	Grain Size	Approximate Size
Boulders		> 12"	> 12"	Larger than basketball-sized
Cobbles		3 - 12"	3 - 12"	Fist-sized to basketball-sized
Gravel	Coarse	3/4 - 3"	3/4 - 3"	Thumb-sized to fist-sized
	Fine	#4 - 3/4"	0.19 - 0.75"	Pea-sized to thumb-sized
Sand	Coarse	#10 - #4	0.079 - 0.19"	Rock-salt-sized to pea-sized
	Medium	#40 - #10	0.017 - 0.079"	Sugar-sized to rock-salt-sized
	Fine	#200 - #40	0.0029 - 0.017"	Flour-sized to sugar-sized
Fines		Passing #200	< 0.0029"	Flour-sized and smaller

Plasticity Chart



Apparent Density - Coarse-Grained Soil

Apparent Density	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Loose	≤ 4	≤ 8	≤ 3	≤ 5
Loose	5 - 10	9 - 21	4 - 7	6 - 14
Medium Dense	11 - 30	22 - 63	8 - 20	15 - 42
Dense	31 - 50	64 - 105	21 - 33	43 - 70
Very Dense	> 50	> 105	> 33	> 70

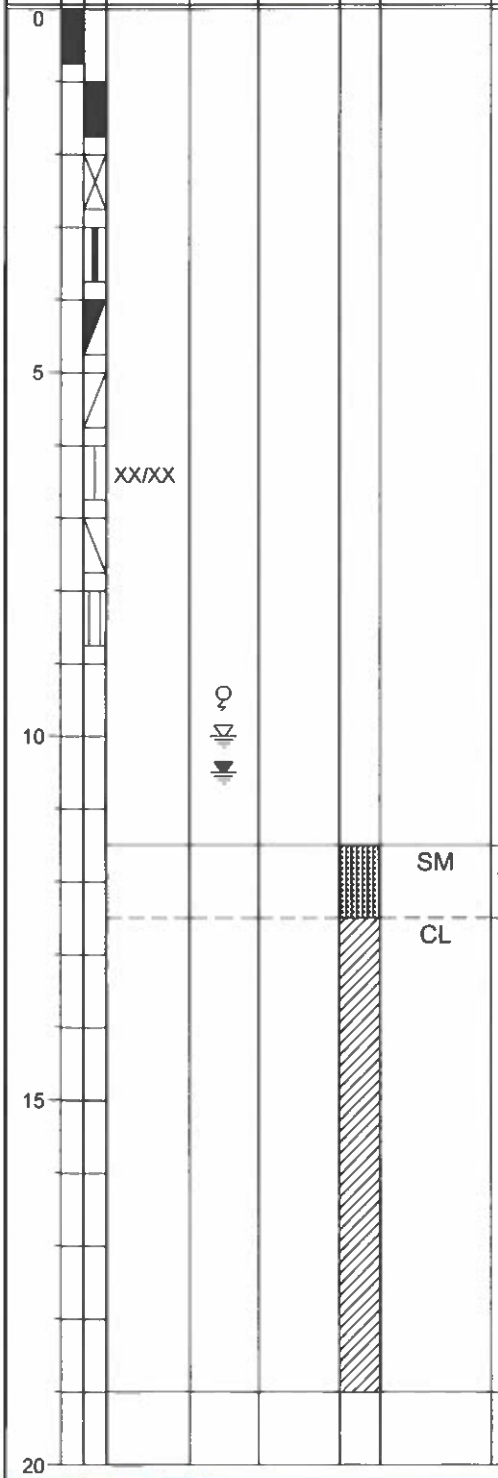
Consistency - Fine-Grained Soil

Consis-tency	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Soft	< 2	< 3	< 1	< 2
Soft	2 - 4	3 - 5	1 - 3	2 - 3
Firm	5 - 8	6 - 10	4 - 5	4 - 6
Stiff	9 - 15	11 - 20	6 - 10	7 - 13
Very Stiff	16 - 30	21 - 39	11 - 20	14 - 26
Hard	> 30	> 39	> 20	> 26

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USCS METHOD OF SOIL CLASSIFICATION

BORING LOG EXPLANATION SHEET



Bulk sample.

Modified split-barrel drive sampler.

No recovery with modified split-barrel drive sampler.

Sample retained by others.

Standard Penetration Test (SPT).

No recovery with a SPT.

Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.

No recovery with Shelby tube sampler.

Continuous Push Sample.

Seepage.

Groundwater encountered during drilling.

Groundwater measured after drilling.

MAJOR MATERIAL TYPE (SOIL):

Solid line denotes unit change.

Dashed line denotes material change.

Attitudes: Strike/Dip
b: Bedding
c: Contact
j: Joint
f: Fracture
F: Fault
cs: Clay Seam
s: Shear
bss: Basal Slide Surface
sf: Shear Fracture
sz: Shear Zone
sbs: Shear Bedding Surface

The total depth line is a solid line that is drawn at the bottom of the boring.

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BORING LOG

DATE DRILLED 10/15/25 BORING NO. B-1

GROUND ELEVATION 4,045' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			20.2	88.7		SC	ALLUVIUM: Brown, moist, medium dense, clayey SAND; scattered caliche nodules.
							@ 3.5 feet: Total refusal; strongly cemented. Total Depth = 3.5 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/15/25 shortly after completion of sampling.
5							Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10							
15							
20							

FIGURE A-1

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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-2

GROUND ELEVATION 4,060' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ALLUVIUM: Brown, dry, loose to medium dense, silty SAND.
			7.9	83.1			Reddish brown; medium dense.
							@ 3.2 feet: Total refusal; coarse gravel; cobbles.
5							Total Depth = 3.2 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling. Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 2

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.
0							SC
			50/5"	8.5	104.2		
5							
10							
15							
20							

DATE DRILLED 10/15/25 BORING NO. B-3

GROUND ELEVATION 4,030' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DESCRIPTION/INTERPRETATION

ALLUVIUM:
Brown, dry, medium dense, clayey SAND; few fine to coarse gravel; decomposed granite.

Reddish brown; very dense; moderately to strongly cemented.
@ 1.4 feet: Total refusal; very hard material.
Total Depth = 1.4 feet. (Refusal)
Groundwater not encountered during sampling.
Backfilled on 10/15/25 shortly after completion of sampling.

Notes:
Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

FIGURE A- 3

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/15/25 BORING NO. B-4

GROUND ELEVATION 4,060' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ALLUVIUM: Reddish brown, dry, medium dense, silty SAND; scattered caliche nodules.
			3.0	88.1			@ 4 feet: Coarse gravel.
5							Total Depth = 4 feet. Groundwater not encountered during sampling. Backfilled on 10/15/25 shortly after completion of sampling. Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A-4

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/15/25 BORING NO. B-5

GROUND ELEVATION 4,015' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ALLUVIUM: Brown, dry, loose to medium dense, silty SAND; scattered caliche nodules.
		50/5"	5.5	81.2			@ 3.5 feet: Total refusal; ring sample bouncing; very dense material.
5							Total Depth = 3.5 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/15/25 shortly after completion of sampling. Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A-5

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-6

GROUND ELEVATION 4,060' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0							SM	ALLUVIUM: Brown, dry, dense, silty SAND; coarse gravel; cobbles. @ 0.5 feet: Total refusal; coarse gravel; cobbles. Total Depth = 0.5 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling. Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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20								

FIGURE A-6

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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/15/25 BORING NO. B-7

GROUND ELEVATION 4,010' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			5.8	83.2		SM	ALLUVIUM: Brown, moist, loose to medium dense, silty SAND; trace clay; scattered caliche nodules.
							@ 2.7 feet. Total refusal; hard.
							Total Depth = 2.7 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/15/25 shortly after completion of sampling.
5							Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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20							

FIGURE A-7

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/15/25 BORING NO. B-8

GROUND ELEVATION 3,995' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0				9.1	81.6		SM	ALLUVIUM: Brown, dry to moist, loose to dense, silty SAND. Moderately to strongly cemented; numerous caliche nodules.
5								@ 3.7 feet: Total refusal; strongly cemented. Total Depth = 3.7 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/15/25 shortly after completion of sampling. Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 8

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-9

GROUND ELEVATION 4,035' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SC-SM	ALLUVIUM: Brown, moist, loose to medium dense, silty, clayey SAND; trace roots.
			14.8	92.4		SC	Brown, moist, loose to medium dense, clayey SAND; trace fine gravel; scattered roots. @ 3 feet: Total refusal; coarse gravel; possible cobbles.
5							Total Depth = 3 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling. Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10							
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20							

FIGURE A- 9

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/15/25 BORING NO. B-10

GROUND ELEVATION 3,985' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ALLUVIUM: Brown, dry, medium dense, silty SAND; few fine to coarse gravel; decomposed granite; moderately cemented; scattered caliche nodules. @ 1 foot: Total refusal; coarse gravel; possible cobbles; decomposed granite. Total Depth = 1 foot. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/15/25 shortly after completion of sampling.
5							
10							
15							
20							

Notes:
Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

FIGURE A- 10

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-11

GROUND ELEVATION 4,025' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ALLUVIUM: Brown, dry, medium dense, silty SAND; few fine to coarse gravel; scattered caliche nodules.
		50/3"					No ring recovery; coarse gravel; possible cobbles. @ 2.3 feet: Total refusal; coarse gravel; possible cobbles. Total Depth = 2.3 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling.
5							Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10							
15							
20							

FIGURE A- 11

Ninyo & Moore
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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-12

GROUND ELEVATION 4,055' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■						SM	ALLUVIUM: Brown, dry, loose to medium dense, silty SAND.
		■		3.7	101.0			
								@ 2 feet: Total refusal; strongly cemented. Total Depth = 2 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling.
5								Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10								
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FIGURE A-12

Ninyo & Moore
A SOCOTEC COMPANY

SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-13

GROUND ELEVATION 4,040' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			12.2	98.1		SM	ALLUVIUM: Brown, dry to moist, loose to medium dense, silty SAND; scattered caliche nodules; decomposed granite.
							@ 3.5 feet: Total refusal, decomposed granite. Total Depth = 3.5 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling.
5							Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 13

Ninyo & Moore
A SOCOTEC COMPANY

SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-14

GROUND ELEVATION 4,030' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			5.2	83.0		SM	ALLUVIUM: Brown, dry, loose to medium dense, silty SAND.
							@ 3 feet: Total refusal; numerous caliche nodules. Total Depth = 3 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling.
5							Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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20							

FIGURE A- 14

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A SOCOTEC COMPANY

SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

DATE DRILLED 10/21/25 BORING NO. B-15

GROUND ELEVATION 4,045' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Sample / Hand Auger

DRIVE WEIGHT 35 lbs. (Manual) DROP 30"

SAMPLED BY DM LOGGED BY DM REVIEWED BY SDN

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0							SM	ALLUVIUM: Brown, moist, loose to medium dense, silty SAND.
				13.0	105.6		SC	Brown, moist, medium dense, clayey SAND.
								@ 3 feet: Total refusal; numerous caliche nodules; hard material; stiff clay. Total Depth = 3 feet. (Refusal) Groundwater not encountered during sampling. Backfilled on 10/21/25 shortly after completion of sampling.
5								Notes: Groundwater, though not encountered at the time of sampling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10								
15								
20								

FIGURE A- 15

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SEDONA 200-ACRE SITE
SEDONA, ARIZONA
609020001 | 11/25

APPENDIX B

Laboratory Testing

APPENDIX B

LABORATORY TESTING

Classification
Soils were visually and texturally classified in accordance with the Unified Soil Classification System (USCS) in general accordance with ASTM D2488. Soil classifications are indicated on the logs of the exploratory borings in Appendix A.

In-Place Moisture and Density Tests
The moisture content and dry density of relatively undisturbed samples obtained from the exploratory borings were evaluated in general accordance with ASTM D2937. The test results are presented on the logs of the exploratory borings in Appendix A.

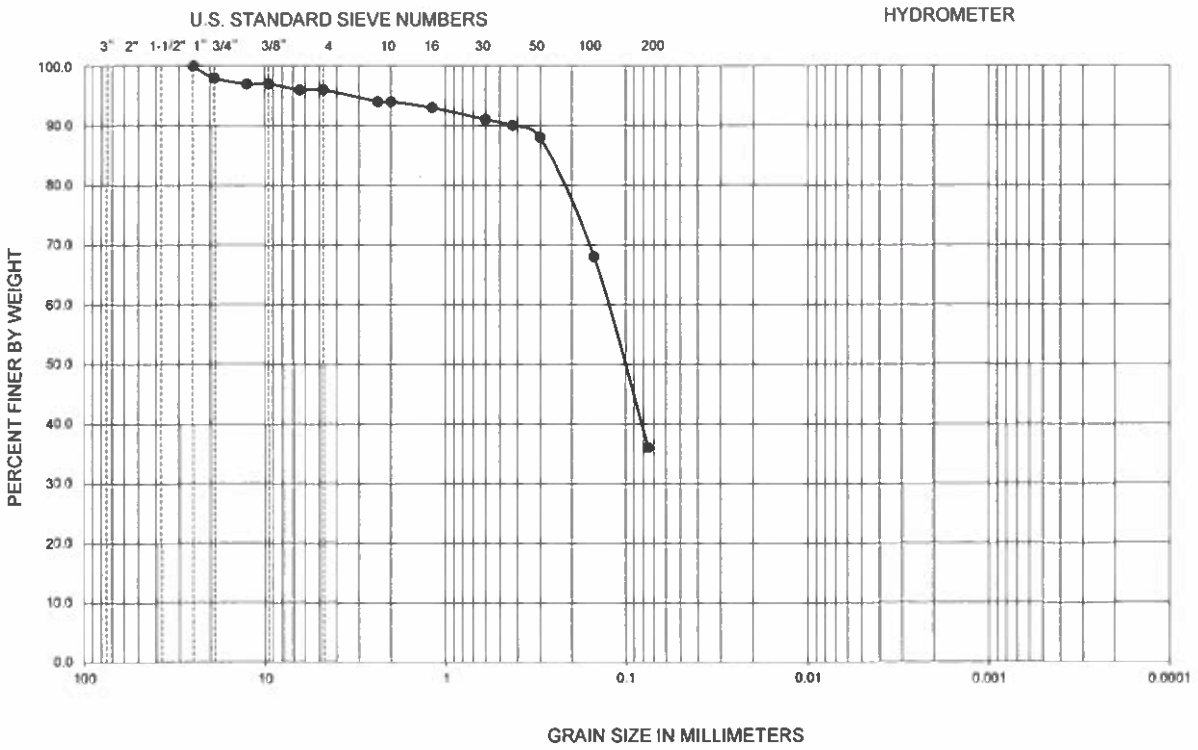
Gradation Analysis
Gradation analysis tests were performed on selected representative soil samples in general accordance with ASTM D422. The grain-size distribution curves are shown on Figures B-1 through B-9. These test results were utilized in evaluating the soil classifications in accordance with the USCS.

Atterberg Limits
Atterberg Limits Tests were performed on selected representative fine-grained soil samples to evaluate the liquid limit, plastic limit, and plasticity index in general accordance with ASTM D4318. These test results were utilized to evaluate the soil classification in accordance with the USCS. The test results and classifications are shown on Figures B-10 and B-11.

Consolidation Tests
Consolidation tests were performed on selected relatively undisturbed soil samples in general accordance with ASTM D2435. The samples were inundated during testing to represent adverse field conditions. The percent of consolidation for each load cycle was recorded as a ratio of the amount of vertical compression to the original height of the sample. The results of the tests are summarized on Figures B-12 through B-14.

Soil Corrosivity Tests
Soil pH and minimum resistivity tests were performed on a representative sample in general accordance with Arizona test method, ARIZ 236c. The chloride content of the selected sample was evaluated in general accordance with ARIZ 736. The sulfate content of the selected sample was evaluated in general accordance with ARIZ 733. The test results are shown on Figure B-15.

GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-1	0.0-1.0	26	15	11	--	--	0.13	--	--	36.0	SC

PERFORMED IN GENERAL ACCORDANCE WITH ASTM C136 / D422

FIGURE B-1

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

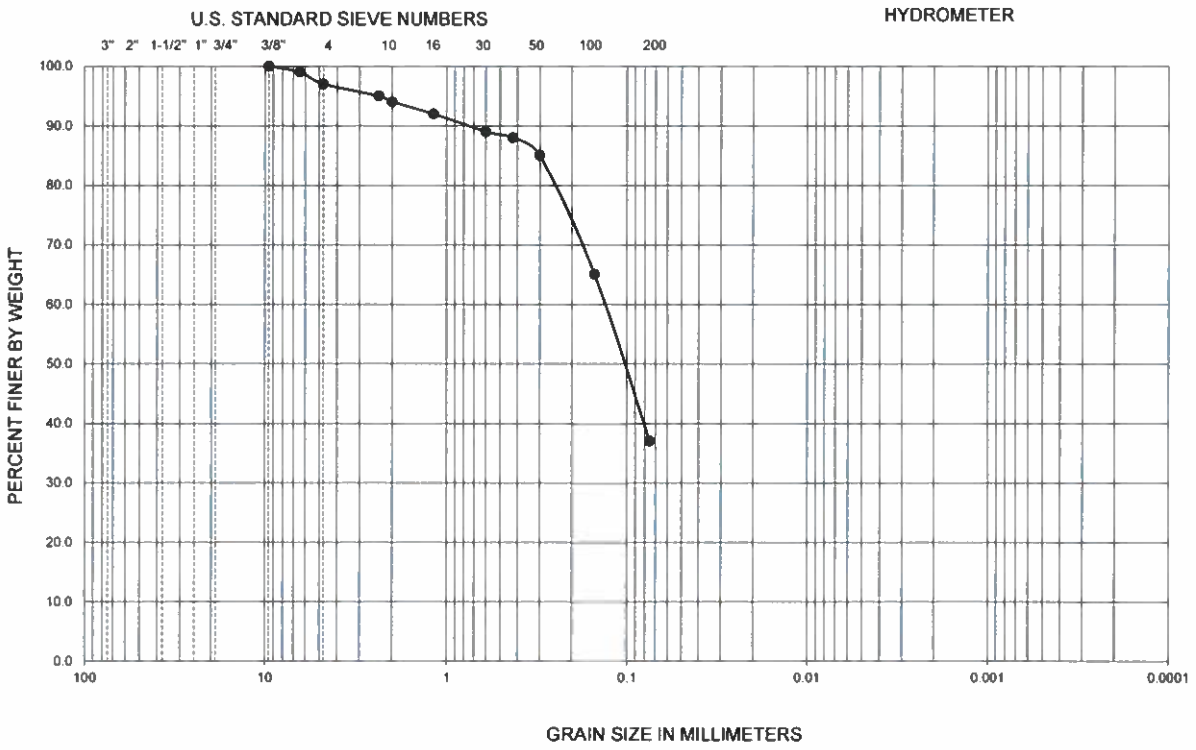
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-2	0.0-2.0	--	--	NP	--	--	0.13	--	--	37.0	SM

NP - INDICATES NON-PLASTIC

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FIGURE B-2

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

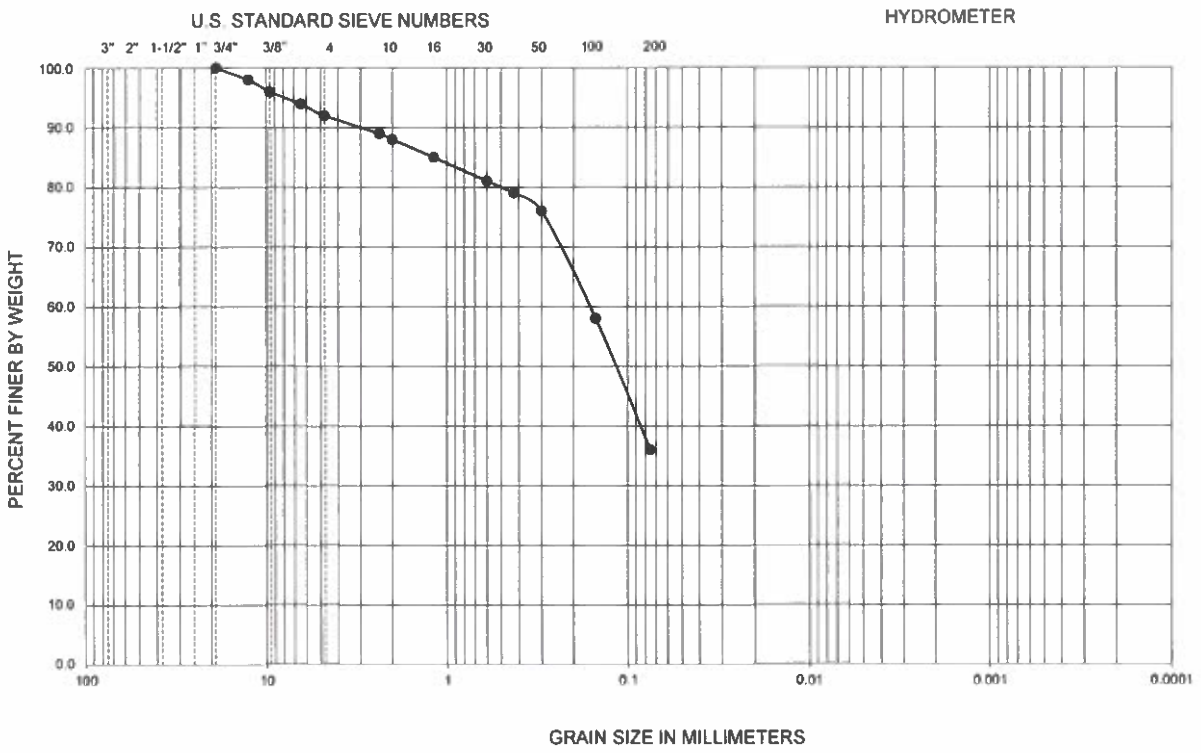
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-3	0.0-1.0	28	18	10	--	--	0.16	--	--	36.0	SC

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FIGURE B-3

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

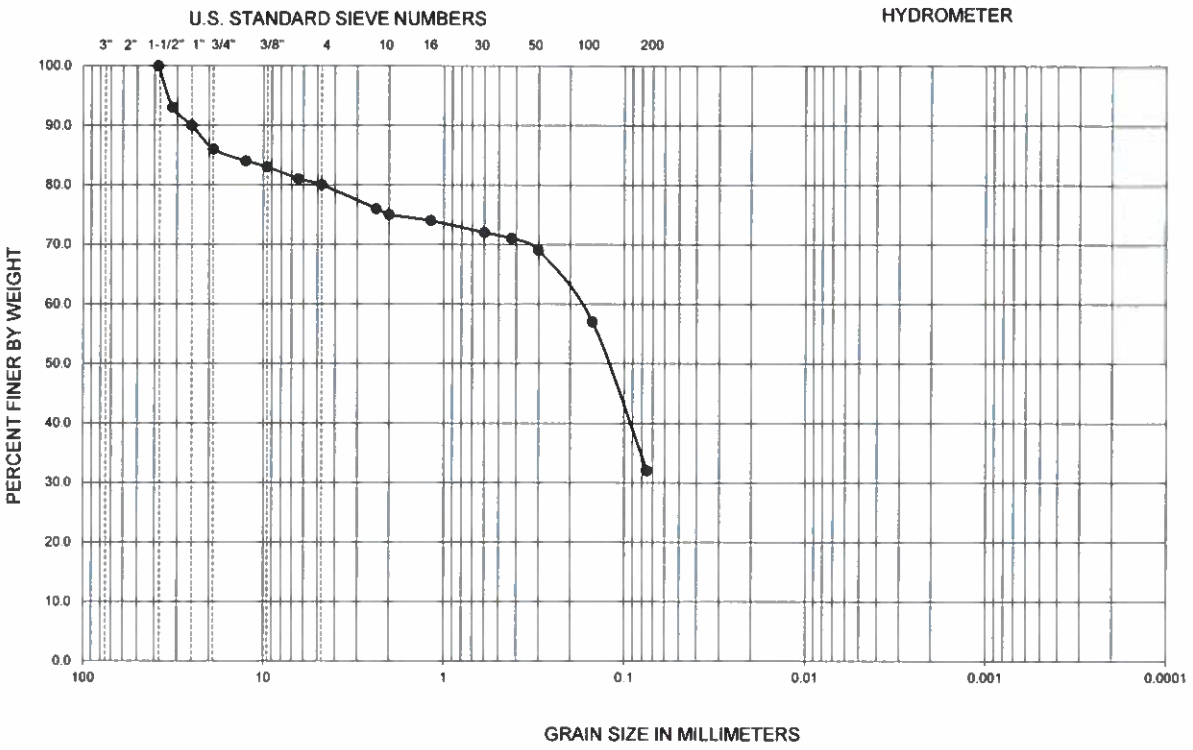
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-4	1.0-2.5	--	--	NP	--	--	0.18	--	--	32.0	SM

NP - INDICATES NON-PLASTIC

PERFORMED IN GENERAL ACCORDANCE WITH ASTM C136 / D422

FIGURE B-4

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

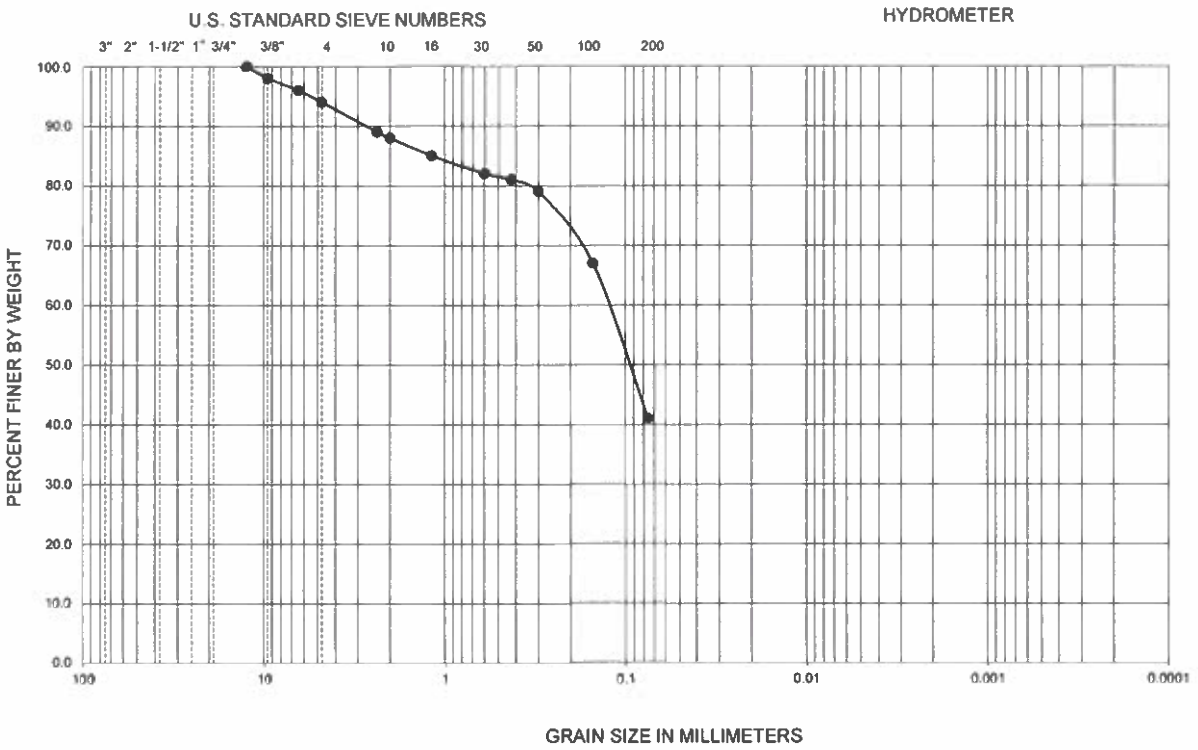
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-7	0.0-1.0	--	--	NP	--	--	0.12	--	--	41.0	SM

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FIGURE B-5

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

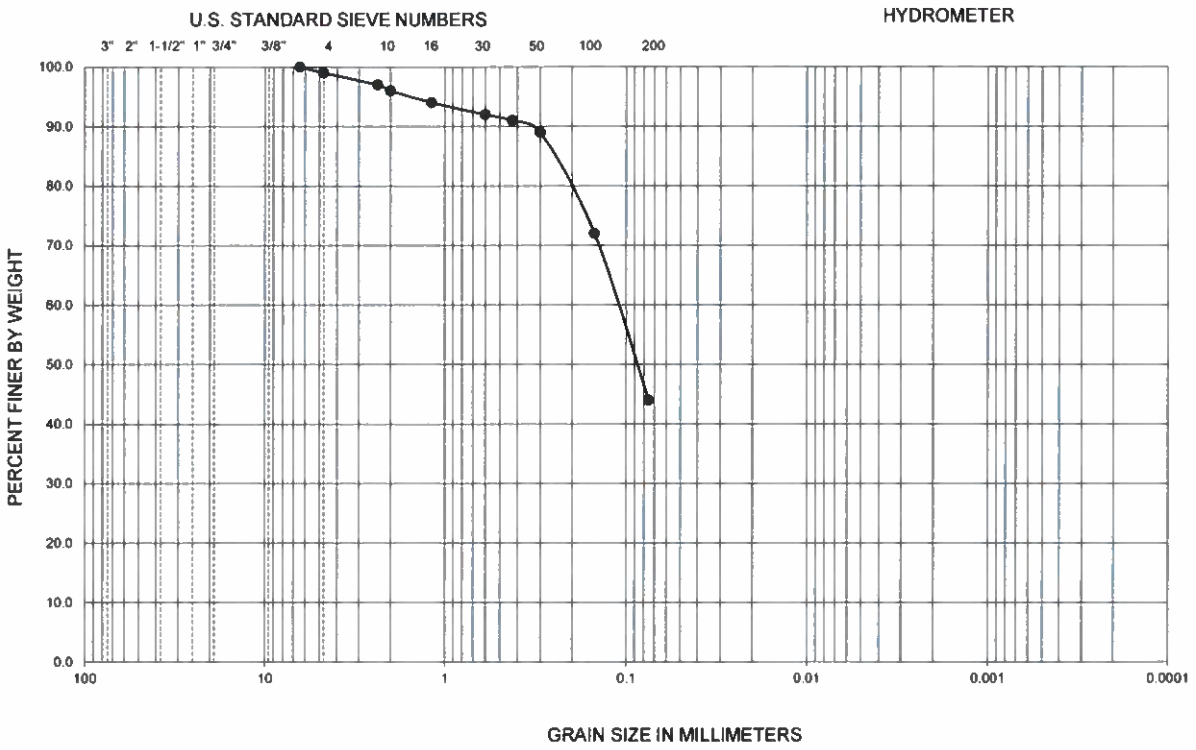
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-9	0.0-2.0	23	16	7	--	--	0.11	--	--	44.0	SC-SM

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FIGURE B-6

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

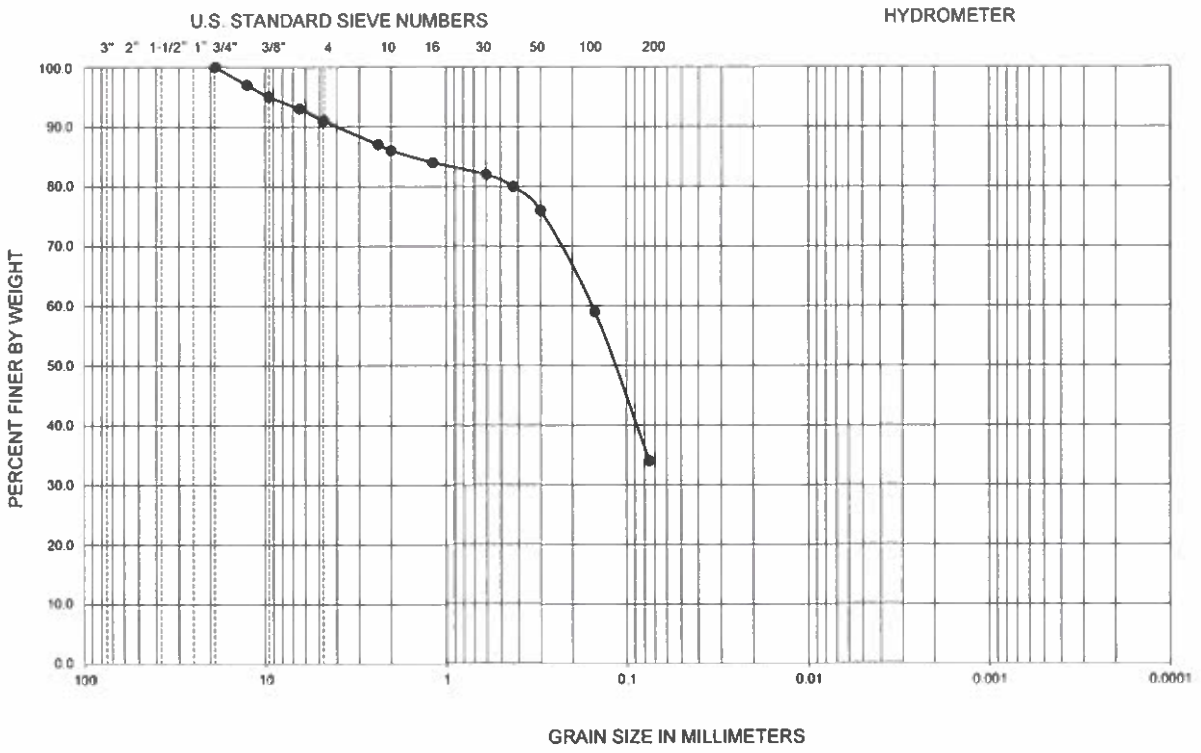
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-10	0.0-1.0	--	--	NP	--	--	0.16	--	--	34.0	SM

NP - INDICATES NON-PLASTIC

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FIGURE B-7

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

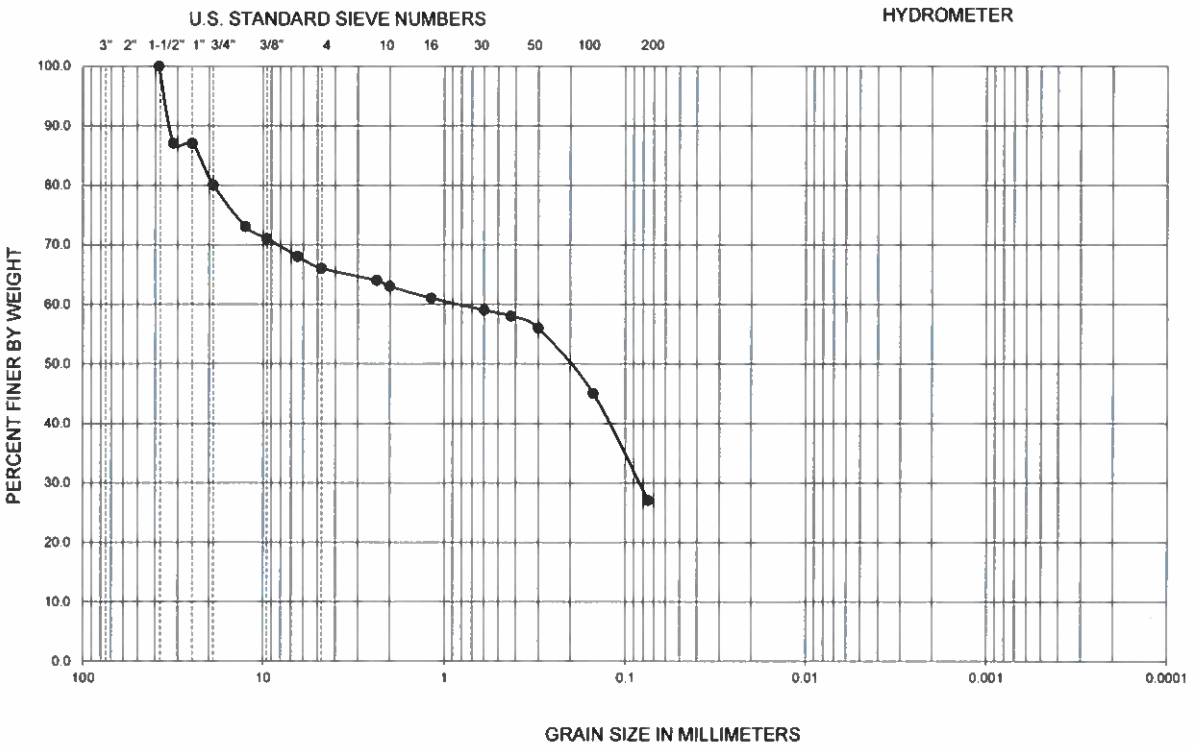
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-13	1.5-2.5	--	--	NP	--	0.083	0.84	--	--	27.0	SM

NP - INDICATES NON-PLASTIC

PERFORMED IN GENERAL ACCORDANCE WITH ASTM C136 / D422

FIGURE B-8

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

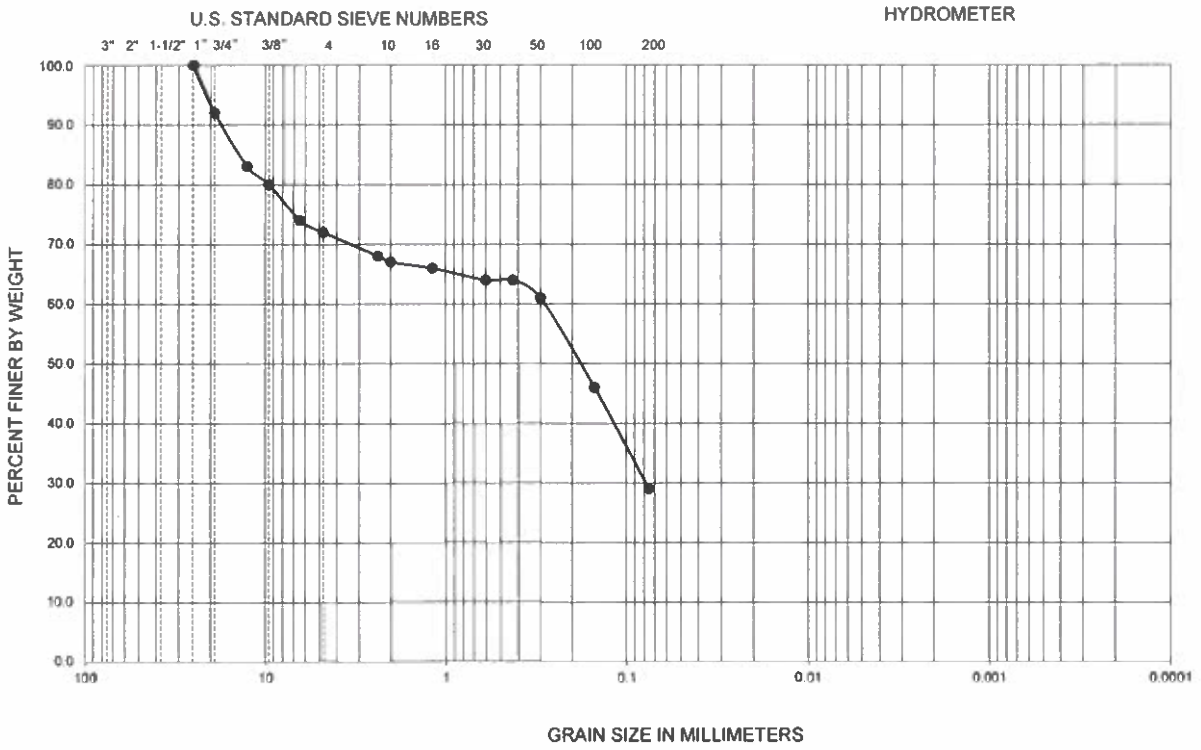
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GRAVEL		SAND			FINES	
Coarse	Fine	Coarse	Medium	Fine	SILT	CLAY



Symbol	Sample Location	Depth (ft)	Liquid Limit	Plastic Limit	Plasticity Index	D_{10}	D_{30}	D_{60}	C_u	C_c	Passing No. 200 (percent)	USCS
●	B-15	2.0-3.0	31	15	16	--	0.077	0.29	--	--	29.0	SC

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FIGURE B-9

GRADATION TEST RESULTS

SEDONA 200-ACRE SITE

SEDONA, ARIZONA

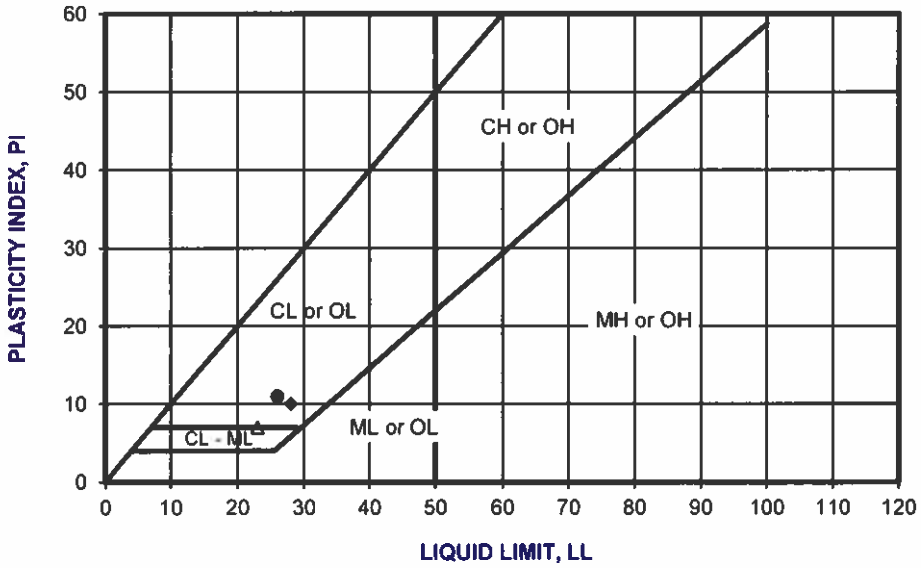
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SYMBOL	LOCATION	DEPTH (ft)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	USCS CLASSIFICATION (Fraction Finer Than No. 40 Sieve)	USCS
●	B-1	0.0-1.0	26	15	11	CL	SC
■	B-2	0.0-2.0	--	--	NP	ML	SM
◆	B-3	0.0-1.0	28	18	10	CL	SC
○	B-4	1.0-2.5	--	--	NP	ML	SM
□	B-7	0.0-1.0	--	--	NP	ML	SM
Δ	B-9	0.0-2.0	23	16	7	CL-ML	SC-SM
X	B-10	0.0-1.0	--	--	NP	ML	SM
+	B-13	1.5-2.5	--	--	NP	ML	SM

NP - INDICATES NON-PLASTIC



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FIGURE B-10

ATTERBERG TEST RESULTS

SEDONA 200-ACRE SITE

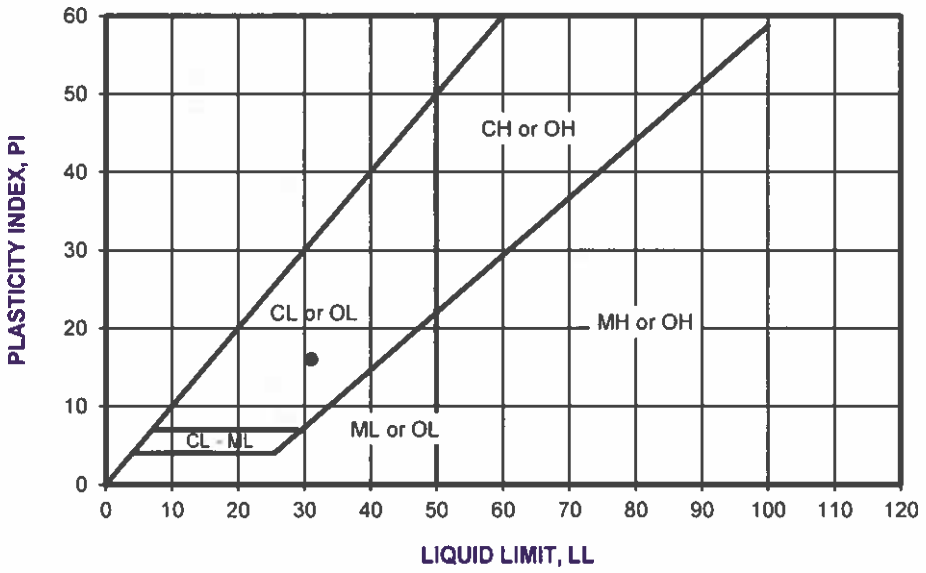
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Geotechnical & Environmental Sciences Consultants

SYMBOL	LOCATION	DEPTH (ft)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	USCS CLASSIFICATION (Fraction Finer Than No. 40 Sieve)	USCS
●	B-15	2.0-3.0	31	15	16	CL	SC



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FIGURE B-11

ATTERBERG TEST RESULTS

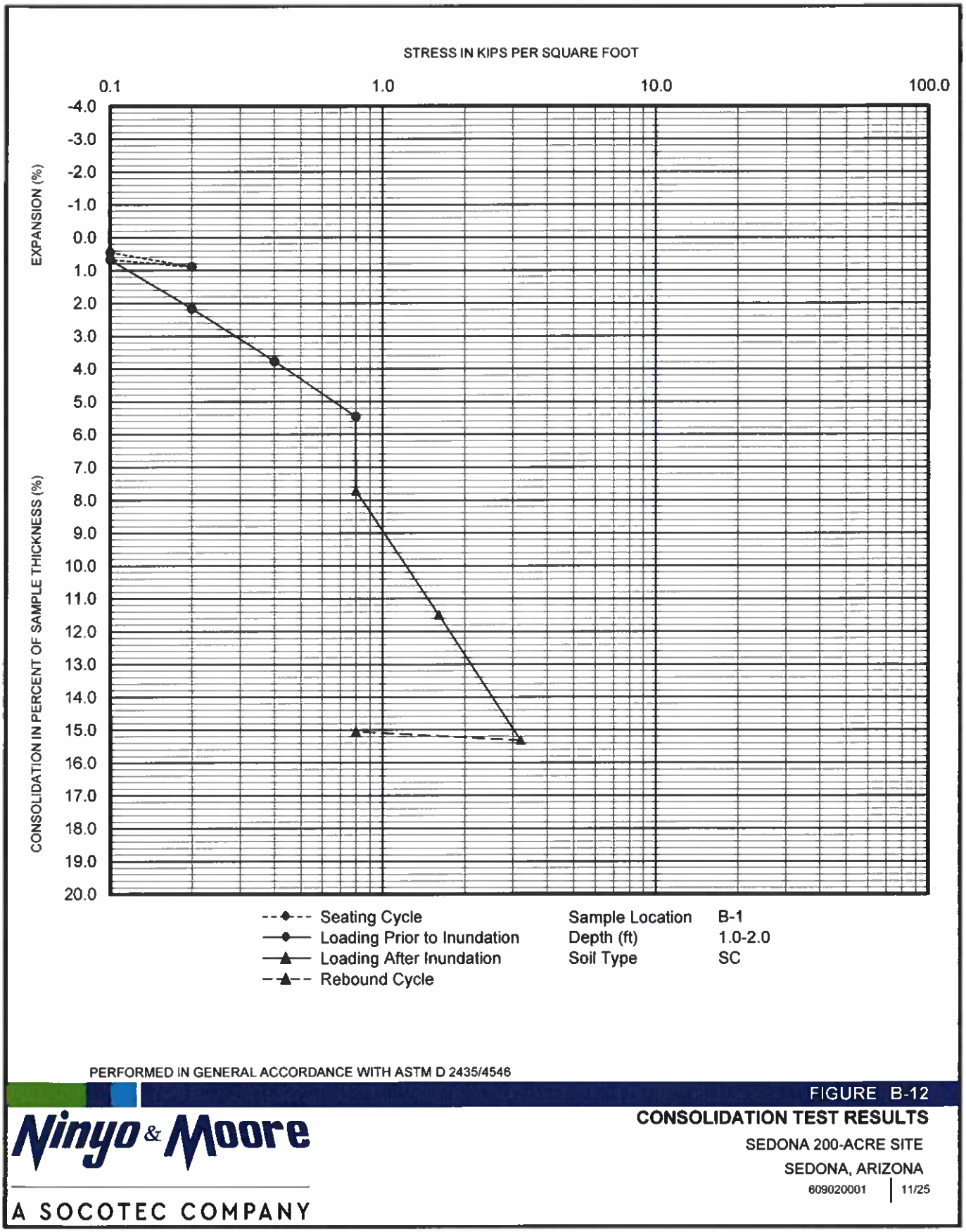
SEDONA 200-ACRE SITE

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FIGURE B-12

CONSOLIDATION TEST RESULTS

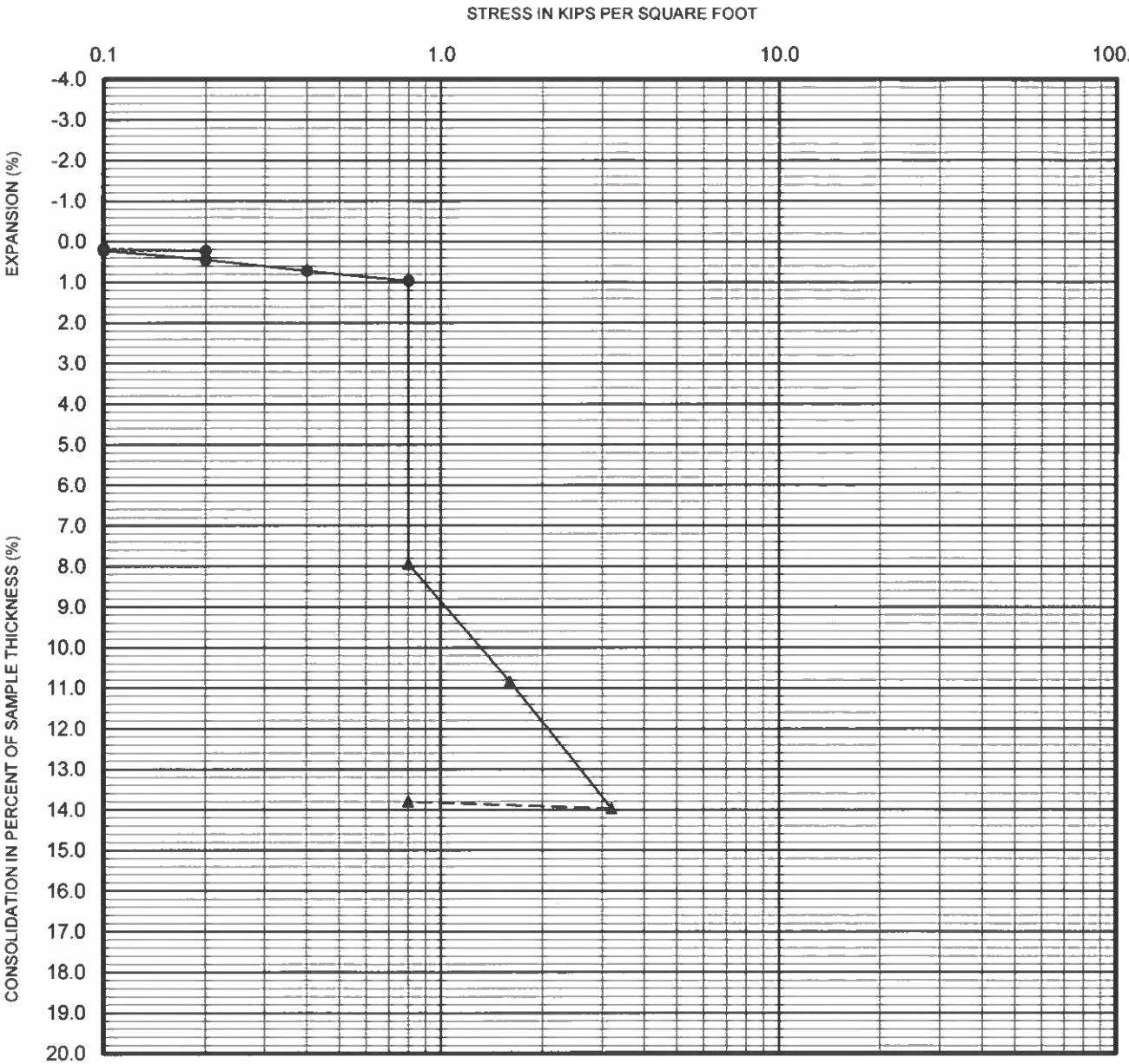
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FIGURE B-13

CONSOLIDATION TEST RESULTS

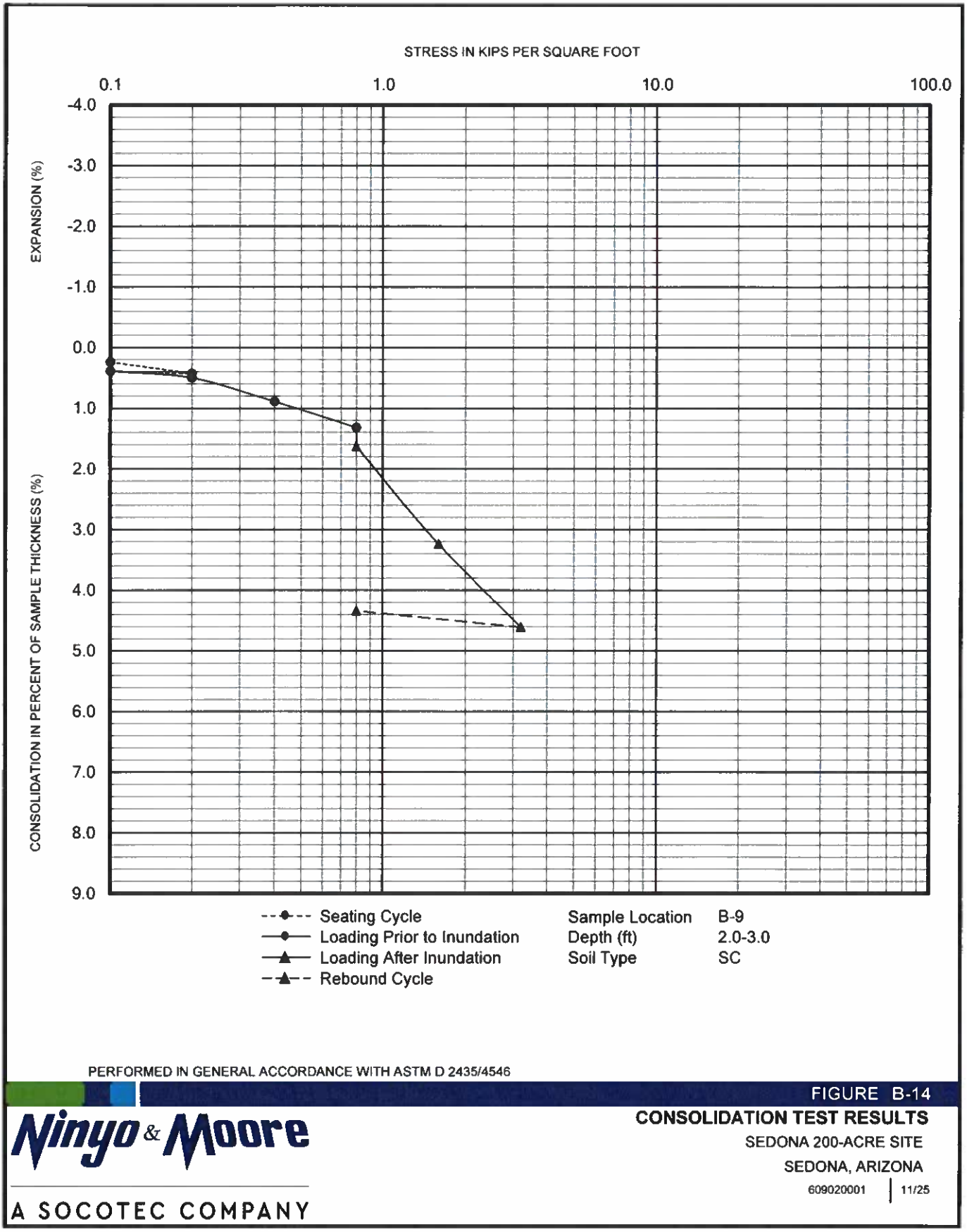
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FIGURE B-14

CONSOLIDATION TEST RESULTS

SEDONA 200-ACRE SITE

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SAMPLE LOCATION	SAMPLE DEPTH (ft)	pH [1]	RESISTIVITY [1] (Ohm-cm)	SULFATE CONTENT [2] (ppm)	(%)	CHLORIDE CONTENT [3] (ppm)
B-5	1.0-2.5	8.2	1,424	28	0.0028	14

[1] PERFORMED IN GENERAL ACCORDANCE WITH ARIZONA TEST METHOD 236e
[2] PERFORMED IN GENERAL ACCORDANCE WITH ARIZONA TEST METHOD 733b
[3] PERFORMED IN GENERAL ACCORDANCE WITH ARIZONA TEST METHOD 736b

FIGURE B-15
CORROSIVITY TEST RESULTS
SEDONA 200-ACRE SITE
SEDONA, ARIZONA
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CITY COUNCIL AGENDA BILL

AB 3263
December 10, 2025
Special Business

Agenda Item: 3c
Proposed Action & Subject: Discussion/possible direction regarding sustainability programming initiatives.

Department	Sustainability Department, Bryce Beck
Time to Present	1 Hour 15 minutes
Total Time for Item	2 Hours
Other Council Meetings	June 11, 2025, September 11, 2024, May 11, 2024, November 14, 2023, June 28, 2023
Exhibits	None

Finance Approval	Reviewed 11/25/25 BGW
City Attorney Approval	Reviewed 12/1/25 KWC
City Manager's Recommendation	Reviewed ABS 12/2/25

Expenditure Required
$ N/A
Amount Budgeted
$ N/A
Account No. (Description)

SUMMARY STATEMENT

Overview

Sustainability staff develop programs and initiatives in five main areas derived from the Climate Action Plan (CAP): Buildings and Energy, Transportation and Land Use, Materials and Consumption, Water and Natural Systems, and Climate Resilience. For this agenda discussion, updates in the following sustainability projects will be provided: the climate vulnerability project with Northern Arizona University's (NAU) graduate course, 2024 Municipal and Community Greenhouse gas (GHG) Emissions Inventories, and a public EV charging strategy.

NAU Climate Vulnerability Assessments

The Sustainability Department partnered with the Climate Science and Solutions Program and ENV 675 graduate course at NAU on a class project for the fall 2025 semester. The students were focused on climate resiliency. They will present the results and findings of their efforts, which consisted of three primary areas:

- Create an initial climate vulnerability assessment for Sedona.
- Assess water research updates over the last 10-15 years, which builds upon the recent groundwater modeling efforts between Arizona Water Company and the city.

- Conduct outreach through survey opportunities to gather community feedback on climate vulnerabilities.

This vulnerability work is an initial foundation to integrate climate risk into future updates of the CAP and MSP.

GHG Inventory

Inventory Overview:

The 2021 Climate Action Plan (CAP) for the City of Sedona sets out a scientific based goal of reducing community-wide greenhouse gas emissions 50% by 2030, while the 2024 Municipal Sustainability Plan (MSP) strives for carbon neutrality in municipal operations by 2030. These goals are based on the UN International Panel of Climate Change Reports, which strives to prevent global warming past 1.5 degrees Celsius by the end of the century. Greenhouse gas emissions inventories are conducted annually to evaluate progress towards emissions goals and objectives laid out in the CAP and MSP.

Emissions are generally bucketed in three different scopes:

- **Scope 1**: Direct emissions from owned or controlled sources (i.e. fleet, equipment, natural gas usage)
- **Scope 2**: Indirect emissions from the generation of purchased electricity. (i.e. APS electricity for building HVAC and lighting systems)
- **Scope 3**: All other indirect emissions that occur in the value chain, including both upstream and downstream emissions. (i.e. purchased goods, commuting, waste disposal)

Municipal operations have more direct control over scopes 1 and 2 and less control over scope 3. Scope 3 consists of categories such as investments, employee commuting, end of life of purchased products, and much more. Scope 3 typically constitutes a majority of emissions for an organization but is also the most difficult to accurately calculate and influence change.

The greenhouse gas inventories have led to the creation of a variety of projects and programs in municipal operations and the community that have reduced emissions, improved utility costs, and provided additional benefits. Some of the projects that have been derived from our greenhouse gas accounting practices include:

- Electric Vehicle Procurement
- EV Chargers at City Hall, Posse Grounds Park, Sunset Park, and the Parking Garage
- Solar Lighting at Posse Grounds Park
- Green Power Partners Program with Arizona Public Service
- Streetlights Retrofit Installation, completed this year
- Wastewater HVAC Upgrades
- Wastewater Backwater Filtration System upgrades
- Solar Co-Ops
- Home Energy Retrofit Program
- Virtual Power Purchase Agreement Coalition

Municipal Inventory:

The Municipal inventory calculations contain numerous categories of emissions sources, including employee commuting; the municipal fleet; public transportation services; solid waste

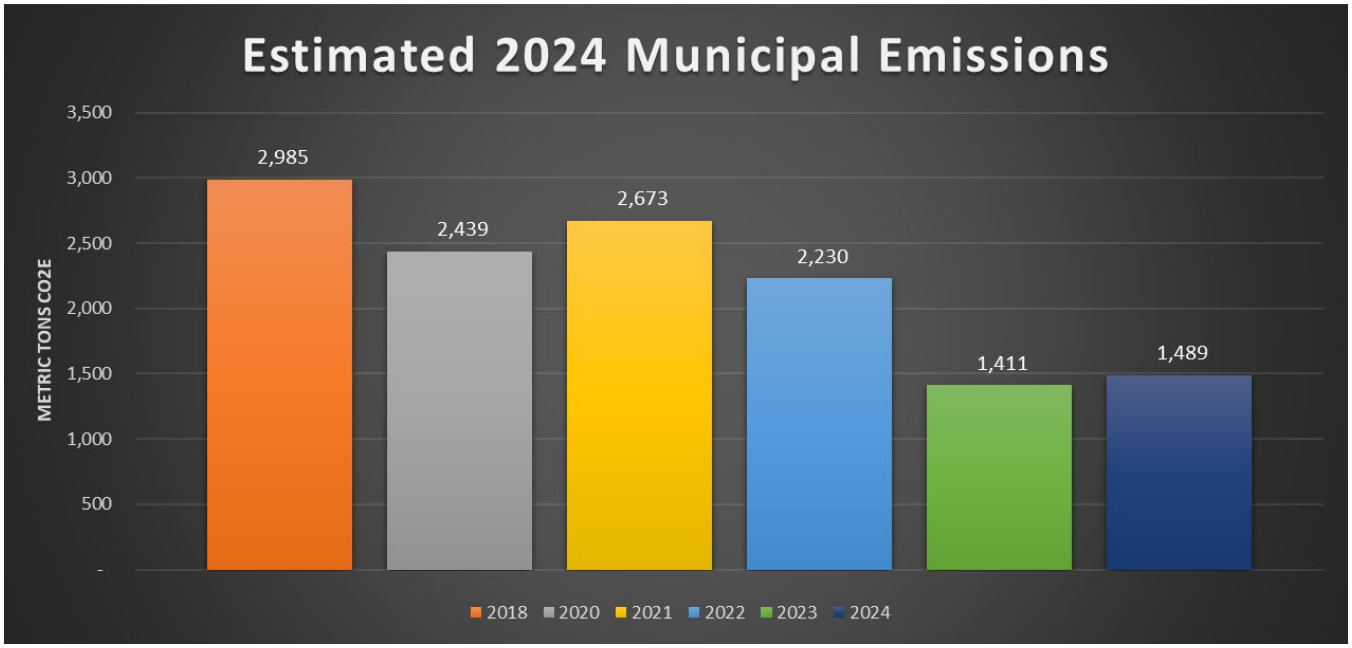
disposal; electricity and gas consumption in buildings, streetlights, and traffic signals; fugitive emissions from HVAC systems; water delivery; and wastewater treatment processing.

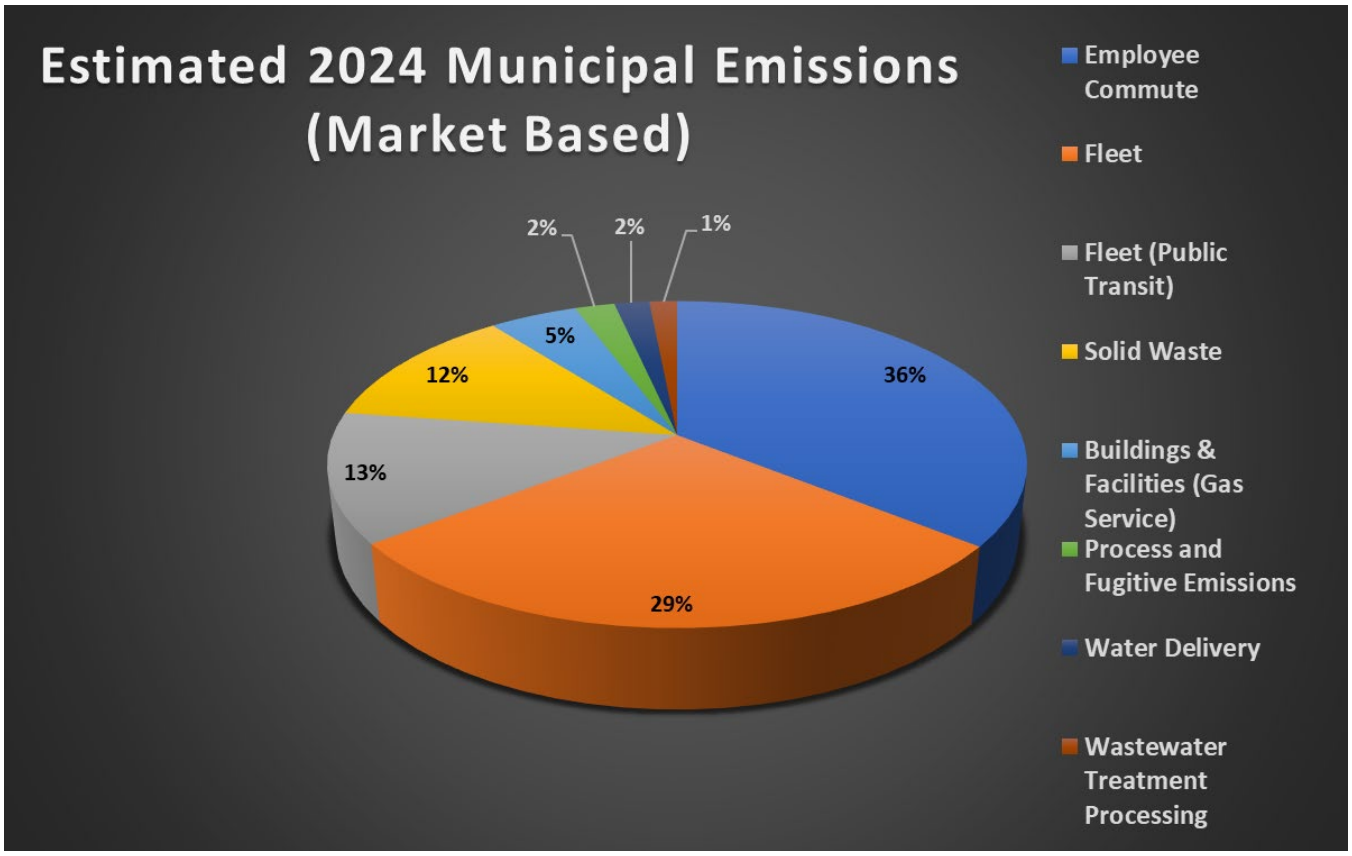
Since the 2018 baseline year, the city has reduced its annual emissions by approximately 50% with its most notable reduction taking place in 2023 with the signing of the Green Power Purchase Agreement (GPPA) through APS. This agreement has allowed the city to claim Renewable Energy Credits (REC's) to cover all emissions associated with electricity consumption at all city owned buildings, streetlights, and traffic signals. Prior to the GPPA, electricity consumption was responsible for approximately 50% of the total inventory emissions in 2021.

Overall, in 2024, the City's total emissions rose slightly (6%), compared to the previous year by 78 metric tons of carbon dioxide equivalent (CO2e). The two primary drivers of that increase were in employee commuting and solid waste disposal. Both of these categories are considered scope 3 emissions which are more difficult to accurately calculate and control.

Overall, the categories within the municipal inventory in 2024, listed from greatest to smallest emission sources, are:

1. Employee Commuting
2. Municipal Fleet
3. Public Transit
4. Solid Waste Disposal
5. Natural Gas Consumption from Buildings and Facilities
6. Process and Fugitive Emissions
7. Water Delivery
8. Waste Water Treatment Processing





Community Inventory:

The Community inventory calculations contain numerous categories of emissions sources that include on-road travel, residential and commercial electricity, residential and commercial natural gas, residential and commercial solid waste, aviation, and water delivery.

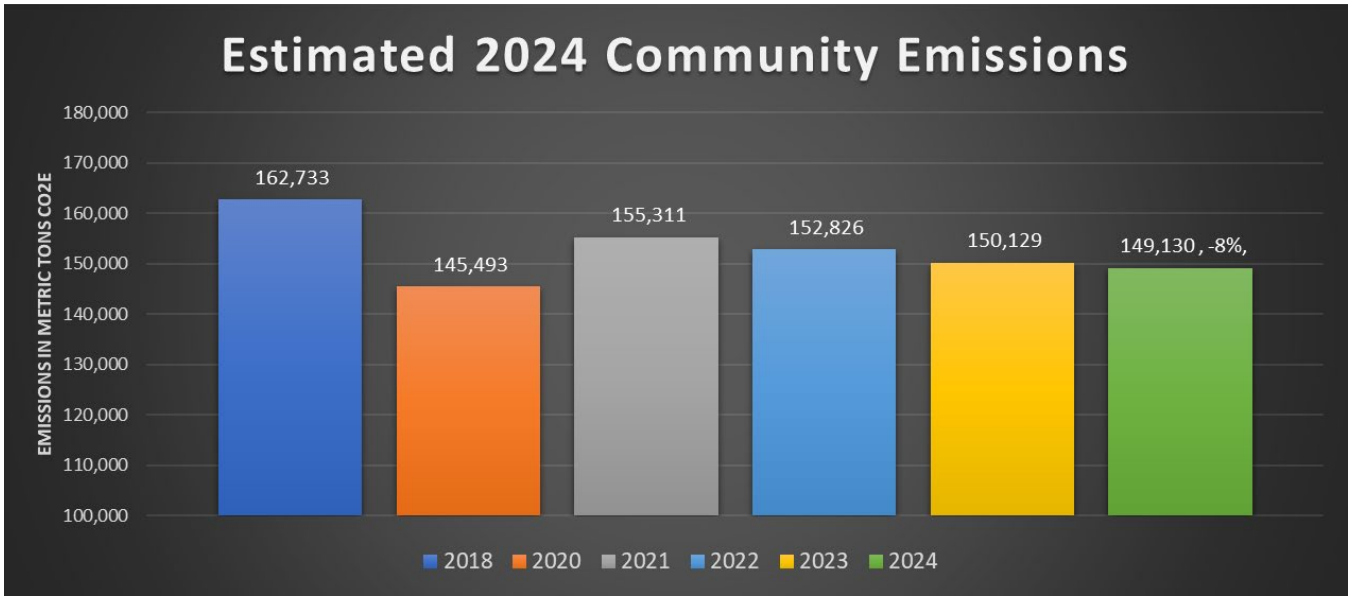
Since the 2018 baseline year, the community has steadily reduced its annual emissions. Overall, in 2024, the community reduced its emissions by approximately 8% off the baseline year of 2018.

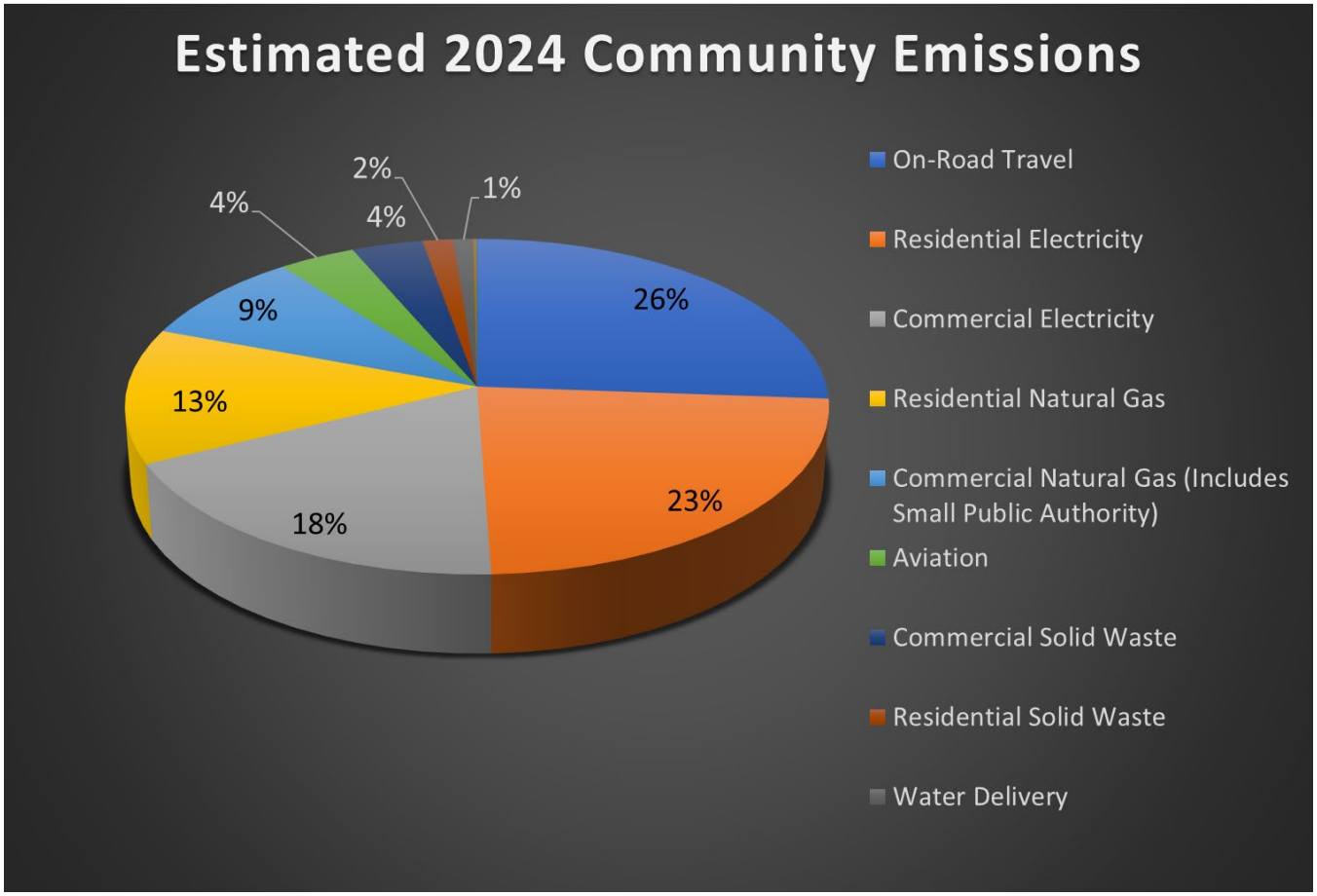
The categories within the community inventory in 2024, listed from greatest to smallest emission sources, are:

1. On-Road Travel
2. Residential Electricity
3. Commercial Electricity
4. Residential Natural Gas
5. Commercial Natural Gas
6. Aviation
7. Commercial Solid Waste
8. Residential Solid Waste
9. Water Delivery

Substantial reductions in emissions for the community are naturally harder to accomplish quickly as the City does not have, or has limited, control over the previously listed sources. Emissions from residential and commercial electricity, for example, is mostly controlled by APS in terms of what kinds of energy sources are used to generate electricity for the state. The City

cannot mandate that APS commit to shutting down fossil fuel-based energy sources and replace them with renewables.

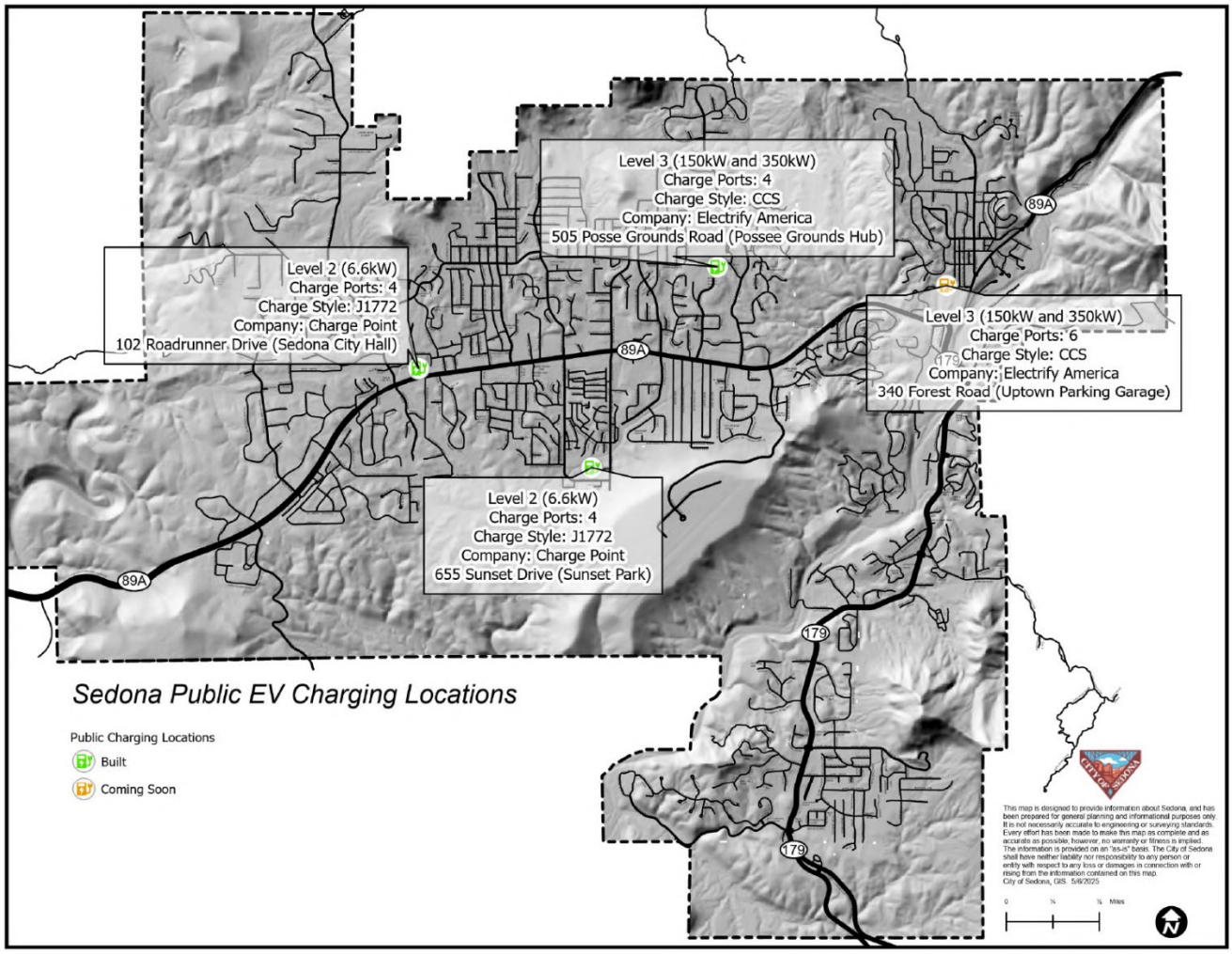




Strategies to further scale and expand emissions reductions are being evaluated. These strategies include exploring Virtual Power Purchase Agreements with a consortium led by NAU, revamping solar cooperatives opportunities, potential reclaimed natural gas projects, expansion of public transit and shared use paths, and exploration of increased waste diversion options.

Public EV Charging Strategy

The City of Sedona has pursued the implementation of public facing electric vehicle charging stations since 2019. The first chargers were installed through the Arizona Public Service (APS) Take Charge program. Chargers under that program were installed at City Hall and Sunset Park. Installation of the city's first DC Fast charging stations took place at Posse Grounds Park in a partnership with Electrify America and APS. Installation of eight DC Fast charging stations are underway in the Uptown Parking Garage in collaboration with both of the aforementioned companies. Below is a map of current and planned publicly accessible charging stations in development, along with the level of charging found at each location.



City staff continue to explore possibilities for future public electric vehicle charging spaces to promote travel to and around the city through zero emissions vehicles. Possible future locations include:

- Future Western Gateway Development
- Future Park and Ride Location by the Wastewater Treatment Plant
- Unidentified public-private partnerships within the Sedona city limits (i.e. shopping centers, multifamily housing)

Charging Station Usage

Usage at the existing sites at Level 2 (Sunset Park, Sunset Park, and retired Jordan Road locations) and DC Fast charging locations (Posse Grounds Park) has increased over time as illustrated in the charts below. Data was gathered through ChargePoint, Electrify America and APS. The chargers at Posse Grounds Park rank in the top 3 for highest utilization, along with Payson and Prescott in APS' network. APS estimates that the Posse Grounds chargers have enabled 2.1 million miles of driving.

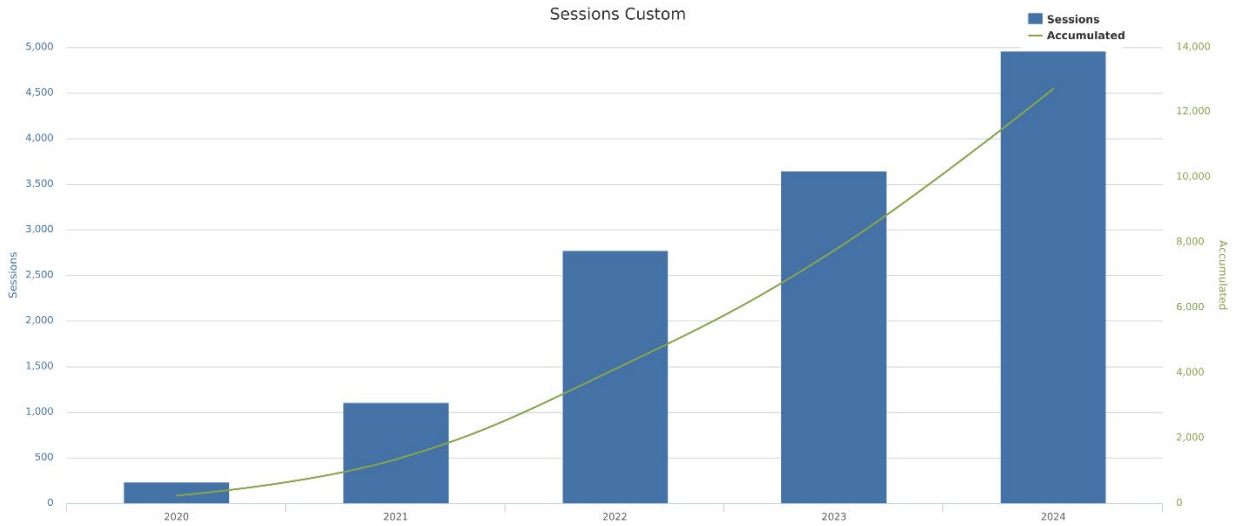


Figure 1: Charging Sessions at Municipal Level 2 Locations (Chargepoint)

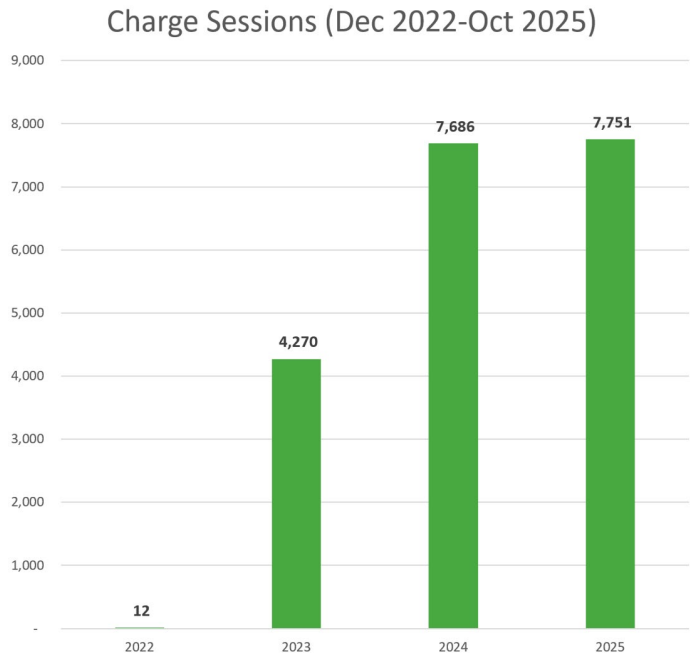


Figure 2: Charge Sessions at DC Fast Chargers at Posse Grounds Park (APS & Electrify America)

Growth in usage is expected to continue as the EV market expands. The National Renewable Energy Laboratory estimates that approximately 33 million electric vehicles may be on U.S. roads by 2030 (compared with 2.7 million in 2022). As adoption increases, travel patterns show

that destination communities like Sedona experience heightened demand for fast, reliable charging options.

Importantly, charging availability has improved dramatically nationwide in recent years. Federal data indicates that the number of publicly available charging ports in the United States has more than doubled since 2021, surpassing 192,000 ports as of August 2024, with roughly 1,000 new ports added each week. This rapid expansion, including reliability improvements and investments through National Electric Vehicle (NEVI), APS, and private providers, helps support both long-distance travel and regional tourism.

Sedona has benefited from this upward trend while also contributing to it through strategic partnerships. Installations at City Hall, Posse Grounds Park, Sunset Park, and the Uptown Garage (in process) have expanded accessible charging options and reduced capital costs for the City. Increased availability, locally, regionally, and nationally, has helped address many of the challenges that existed in the early years of EV ownership.

As EV adoption continues to climb, demand for additional Level 2 and DC Fast chargers is expected to grow as well. Continued evaluation of future sites will help maintain reliable access, support visitor mobility, and contribute to local and regional emissions reductions.

Arizona Department of Transportation EV Planning

Additional EV charging stations can be found at many private businesses (approximately 13) within city limits. Stations that are located within city limits are just a part of increasing electric vehicle infrastructure across the state. The Arizona Department of Transportation (ADOT) has been planning and implementing additional installations as part of NEVI programming since 2022. In August of 2025, ADOT solicited feedback on 21 additional stations as part of the 2025 plan update. Among many identified state routes solicited for feedback, the following roadways around the Sedona area were included to have a charging site located along the route:

- SR 179: I-17 to Sedona
- SR 89/89A: Cottonwood to Sedona
- SR 260: I-17 to Cottonwood/SR 89A

Figure 1. 2022 to 2025 EV Plans AFC Corridor Overview

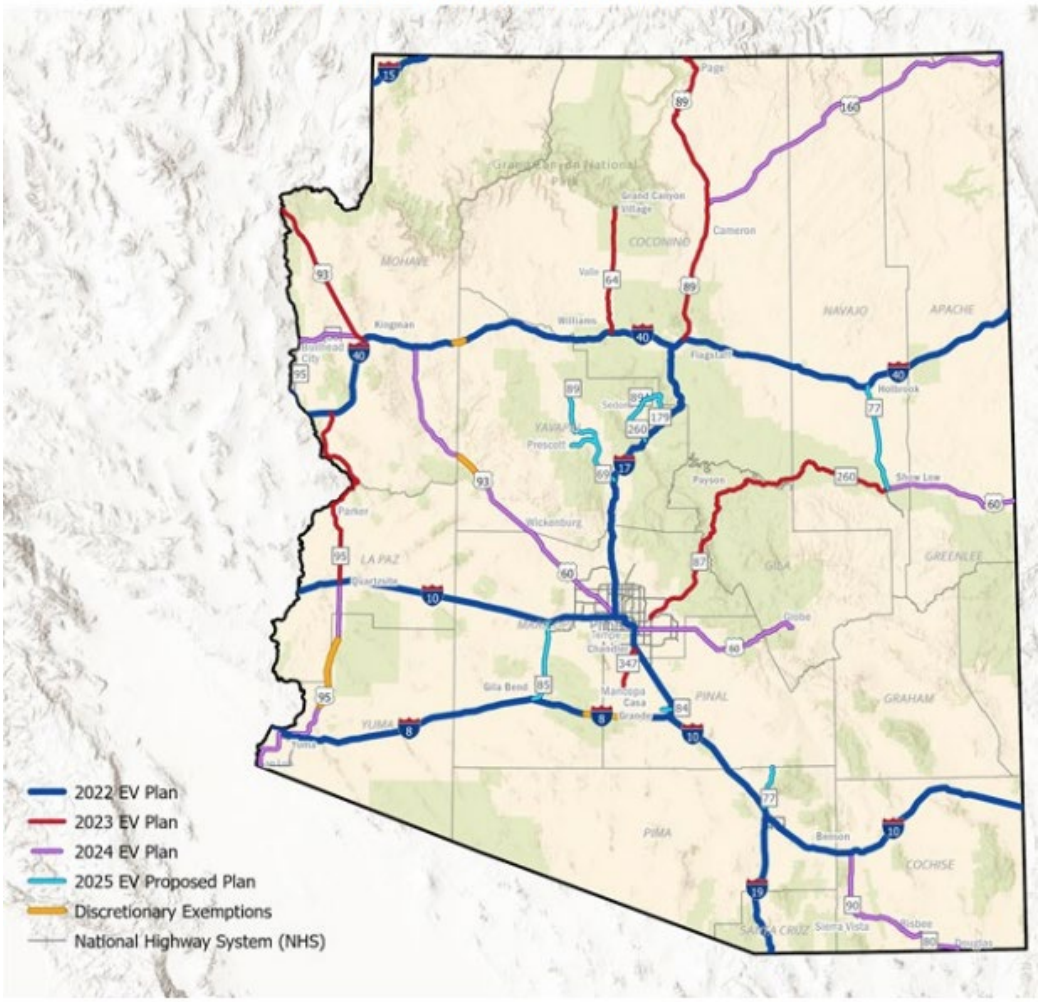


Figure 3: ADOT Electric Vehicle Infrastructure Deployment Plan Map (2025)



Figure 4: ADOT Phase 1 EV Charging Locations

The ADOT map above highlights the state highways and interstates under planning and development. The 2025 planning update efforts build upon the 18 sites that ADOT announced awards for construction in August 2024. The first of those 18 sites should be coming online in late 2025/early 2026. ADOT is planning for the installation of up to 74 stations across the state.

Summary

The City of Sedona collaborated with Northern Arizona University graduate students to build upon past climate action and planning efforts to create a climate vulnerability assessment, evaluate changes in climate research on water availability and resources, and initiate community feedback opportunities on climate action programming.

Annual greenhouse gas inventories at municipal and community scales were completed for 2024. Inventories continue to show opportunities and challenges for emissions reductions. Data collection, methodologies, and reduction strategies continue to improve.

Publicly accessible electric vehicle charging stations are increasing across the city and have leveraged partnerships with APS and Electrify America to reduce or eliminate capital costs for the City of Sedona, while promoting travel by zero emissions vehicles. Additional public

charging locations will be evaluated as opportunities arise. Sedona's efforts in EV charging stations help support ADOT's continued planning and implementation of stations along state routes.

Climate Action Plan/Sustainability Consistent: ☒**Yes -** ☐**No -** ☐**Not Applicable**

Board/Commission Recommendation: ☐**Applicable -** ☒**Not Applicable**

Alternative(s): N/A

MOTION

I move to: for information, discussion, and possible direction only.