

December 30, 2025

Hayden Landon
3715 Baseline Avenue
Santa Ynez, California 93460

Subject: Well Capacity Testing and Reporting

3715 Baseline Avenue
Santa Ynez, California
APN 141-042-010

Dear Mr. Landon,

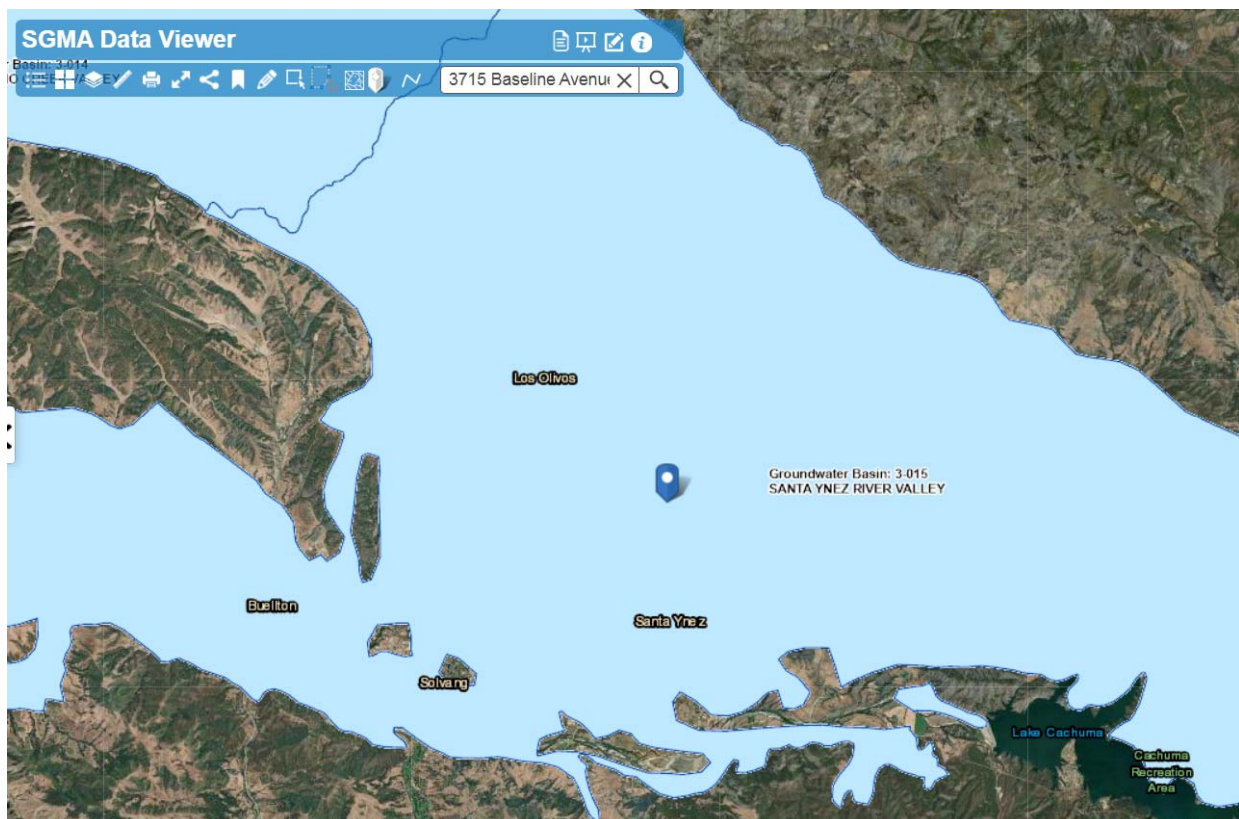
Groundwater Solutions, Inc. (GWS) prepared this report documenting the results of a pumping test performed on the Landon well which is in the process of being permitted by Jones Land Use Permitting for use in a Single Parcel Water System. The well is located on the property identified as APN 141-042-010 as shown on **Figure 1**. Drilled in 1980 to depth of 580 feet, the well was completed to a depth of 565 feet and has a 60 foot sanitary seal; **Appendix A** contains the well completion report as supplied by the property owner.

In lieu of the customary 12-hour pump testing period required by the Santa Barbara County Code of Ordinances, *Section 34B-18(e)(2)* the testing duration spanned 4.5 hours. The code specifically allows an abbreviated test if the following conditions are met: *“In lieu of the twelve-hour yield test, a shorter yield test may be performed for sources that produce in excess of fifty gpm if an analysis of the source yield report is provided by a California professional geologist, certified hydrogeologist or certified engineering geologist. This analysis shall include a geo-hydrologic evaluation of the underground water formation or basin and a finding that the production rate is characteristic of that formation or basin and can be reasonably expected to continue for the foreseeable future with the projected water system demand and use. All other pump test requirements shall apply and the duration of a yield test for a high production source shall not be less than four hours.”*

As will be documented in this report, the tested well exhibited attributes demonstrating its capacity far exceeds the needs for a Single Parcel Water System and fulfills the tenants of the cited well testing Code for an abbreviated test.

LOCAL GEOLOGY & HYDROGEOLOGY

The property overlies the Eastern Management Area of the *Santa Ynez River Valley Groundwater Basin* (basin) as depicted in the following image courtesy of the SGMA Data Viewer (<https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#boundaries>). The blue pin denotes the property location. The *Santa Ynez River Valley Groundwater Basin* covers the entire region surrounding the property thereby providing beneficial conditions for groundwater extraction as proven by the excellent yields reported in local wells including the subject well.



The primary geologic formation storing groundwater in the basin is the Paso Robles Formation which is buried beneath a layer of Older Alluvium in the Site vicinity per the geologic mapping performed by Dibblee (1993); see **Figure 2**. The Eastern Management Area Groundwater Sustainability Agency (EMA, 2022) reports that *The Paso Robles Formation contains the majority of the groundwater in storage in the EMA. This aquifer is present in the Santa Ynez Uplands area of the EMA, extending from the ground surface to approximately 3,500 feet below ground surface, with an average thickness of about 1,500 feet. Deeper portions of the Paso*

Groundwater wells completed in the Paso Robles Formation have water levels that have been relatively stable over long periods except during drought periods. Water levels in the Paso Robles Formation show a strong correlation with climatic conditions. Some wells show water elevation decreases of more than 100 feet during prolonged drought cycles, but most wells appear to fully recover within a few years when the drought conditions end. Changes in water levels are also related to groundwater pumping. The Paso Robles Formation is the most productive and most widely pumped aquifer in the EMA. During periods of drought, water levels decline in response to a combination of increased pumping and decreased recharge. Seasonal fluctuations in water levels in the Paso Robles Formation appear to be relatively small (less than 30 feet).

FIGURE 4-1

Groundwater Level Monitoring Network

Santa Ynez River Valley
Groundwater Basin –
Eastern Management Area
Groundwater Sustainability Plan

LEGEND

- Representative Well (By screened aquifer)
 - Caracaga Sand
 - Paso Robles Formation
- Other Wells
 - Monitored by Santa Barbara County
- All Other Features
 - Eastern Management Area Basin Boundary
 - Major Road
 - Watercourse
 - Waterbody

The map displays the Santa Ynez River Valley Groundwater Basin, specifically the Eastern Management Area. It shows various monitoring wells categorized by aquifer type (Caracaga Sand or Paso Robles Formation) and whether they are monitored by Santa Barbara County. The map also delineates the basin boundary, major roads, watercourses, and waterbodies. Key geographical features include the San Antonio Creek, Aliso Arroyo Creek, Santa Ynez Uplands Area, Santa Ynez Mountains, and Santa Ynez Peak. A red box highlights a specific area labeled "Site Boundary".

Groundwater Elevation Trends

The nearest monitoring station (7N31W36L02) is located west of the Site as depicted on the maps above and below. Being within the Department of Water Resources (DWR) monitoring network, this well has a water level history from 1942 to present as shown below (next page) courtesy of the DWR Water Data Library (<https://wdlbeta.water.ca.gov/Map.aspx>). Additional DRW monitoring wells in the Site vicinity are denoted by red dots; however, none of these wells contain a lengthy history.

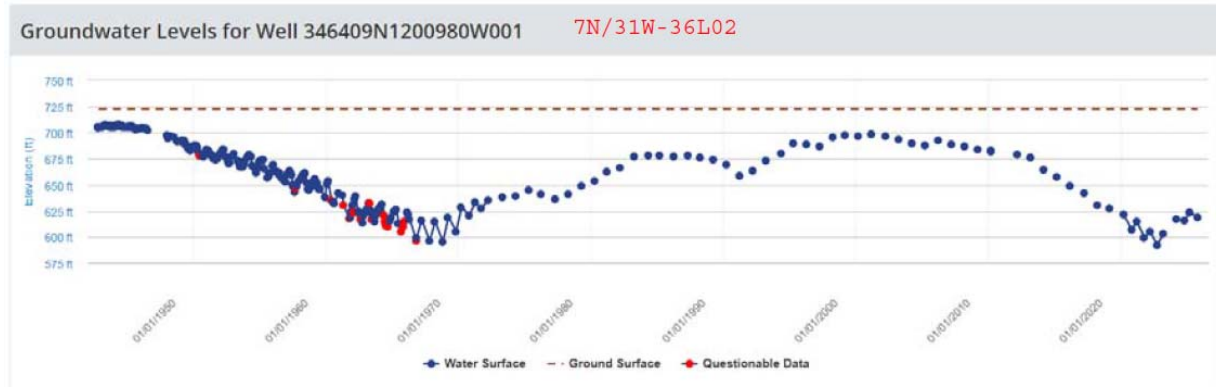
Water Data Library (WDL) Station Map

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Use the search box below to find features on the map such as the name of a city, park, landmark, lake, water feature, or zip code within California. Additional searches by data type are possible by clicking the links above.



Over the observation period, the water level has oscillated across a broad range from highs set in the early 1940s to a low in 1970 only to attain a high in the early 2000s roughly matching that posted in 1942. From the early 2000s the regional watertable again declined culminating with the conclusion of the current drought after which a rebound began proving that the basin responds to precipitation patterns as would be expected and cited by EMA (2022). Now that the basin is experiencing active groundwater management by the Eastern Management Area Groundwater Sustainability Agency, future protracted watertable declines should be arrested as stated goals of the Sustainability Agency are to bring demand into balance with recharge through the following actions:

- 1) *Ensure that long-term groundwater elevations are adequate to support existing and future reasonable and beneficial uses throughout the basin;*
- 2) *A sufficient volume of groundwater storage remains available during drought conditions and recovers during wet conditions;*



Nearby Wells

Data concerning water wells on parcels within 1500 feet of the subject property were obtained from Santa Barbara County Environmental Health. The parcels targeted by the search are depicted on **Figure 3** and identified wells are mapped on **Figures 1 - 3**. The following table summarizes key attributes for the nearest wells.

Local Well Attribute Summary

Well Number	Well Depth (ft)	Static Water Level (ft)	Tested Yield (gpm)	Drawdown (ft)	Pump Test Duration (hrs)	Specific Capacity (gpm/ft)	Data Year
Landon Well (139068)	565	191	300	91	12	3.3	1982
Landon Well (139068)	565	220	68	12.0	4.5	5.7	2025
1365	925	206	1800	130	12	13.9	2019
67406	248	70	37	95	14	0.4	1980
4315	880	--	700	--	12	--	2024
350868	550	135	190	15	12	12.7	2006
1079323	434	161	55	22	12.3	2.5	2008

The inventory of surrounding wells produced a large range of yields and specific capacities. The lowest yield and specific capacity was produced by the shallowest well measuring only 248 feet deep or about half of the Landon well. The highest yield was from the deepest well at 1800 gpm. Wells of depths comparable to the subject well reported yields of 55 and 190 gpm with modest drawdowns of 15-22 feet and specific capacities of 2.5 to 12.7 gpm/foot. The Landon well was tested at 68 gpm producing a specific capacity of 5.7 falling within the range of local wells. At only 12 feet of drawdown, the Landon well was not tested anywhere near its maximum yield; reportedly, normal operations pump this well at 600 gpm. The Landon well's performance is similar to other local wells in terms of yield and efficiency.

In 1982, the Landon well was pump tested for 12 hours at rates ranging from 320 to 300 gpm. The declining rate was likely a function of the declining pumping level and inability of the pump to maintain a constant rate. Regardless, after 12 hours of pumping the well produced 91 feet of drawdown and a specific capacity of 3.3 gpm/ft. After 4 hours of pumping the specific capacity was 3.4 gpm/ft compared to the 5.7 gpm/ft produced by the current test at 4 hours. The improved efficiency exhibited by the current test is contrary to the typical well aging process but bodes favorably for continued performance exceeding that necessary for a Single Parcel Water System.

2025 CONSTANT RATE PUMPING TEST

Performance testing of the Landon well was performed on November 24, 2025 by GWS. The 4.5-hour, constant rate capacity test was conducted in accordance with Santa Barbara County Code of Ordinances, *Section 34B-18(e)(2)* which stipulates that an abbreviated test is satisfactory if the following conditions are met: *“In lieu of the twelve-hour yield test, a shorter yield test may be performed for sources that produce in excess of fifty gpm if an analysis of the source yield report is provided by a California professional geologist, certified hydrogeologist or certified engineering geologist. This analysis shall include a geo-hydrologic evaluation of the underground water formation or basin and a finding that the production rate is characteristic of that formation or basin and can be reasonably expected to continue for the foreseeable future with the projected water system demand and use.*

Capacity testing was performed by a Certified Hydrogeologist (License #995) at an average rate of 78 gpm. The initial pumping rate exceeded 450 gpm but was reduced to approximately 68 gpm within the first 7 minutes for the duration of the test. Over the entire 268 minute (4.5 hours) test period ~20,800 gallons of water were pumped from the well. Flow rate data was measured using a GloTech Gem series digital flow meter (shown below), providing instantaneous flow in gpm and total gallons. Water level data was collected on 1-15 minute intervals using an airline set at a reported depth of 357 feet. Data from the pump test is presented in tabular format on **Table 1**.



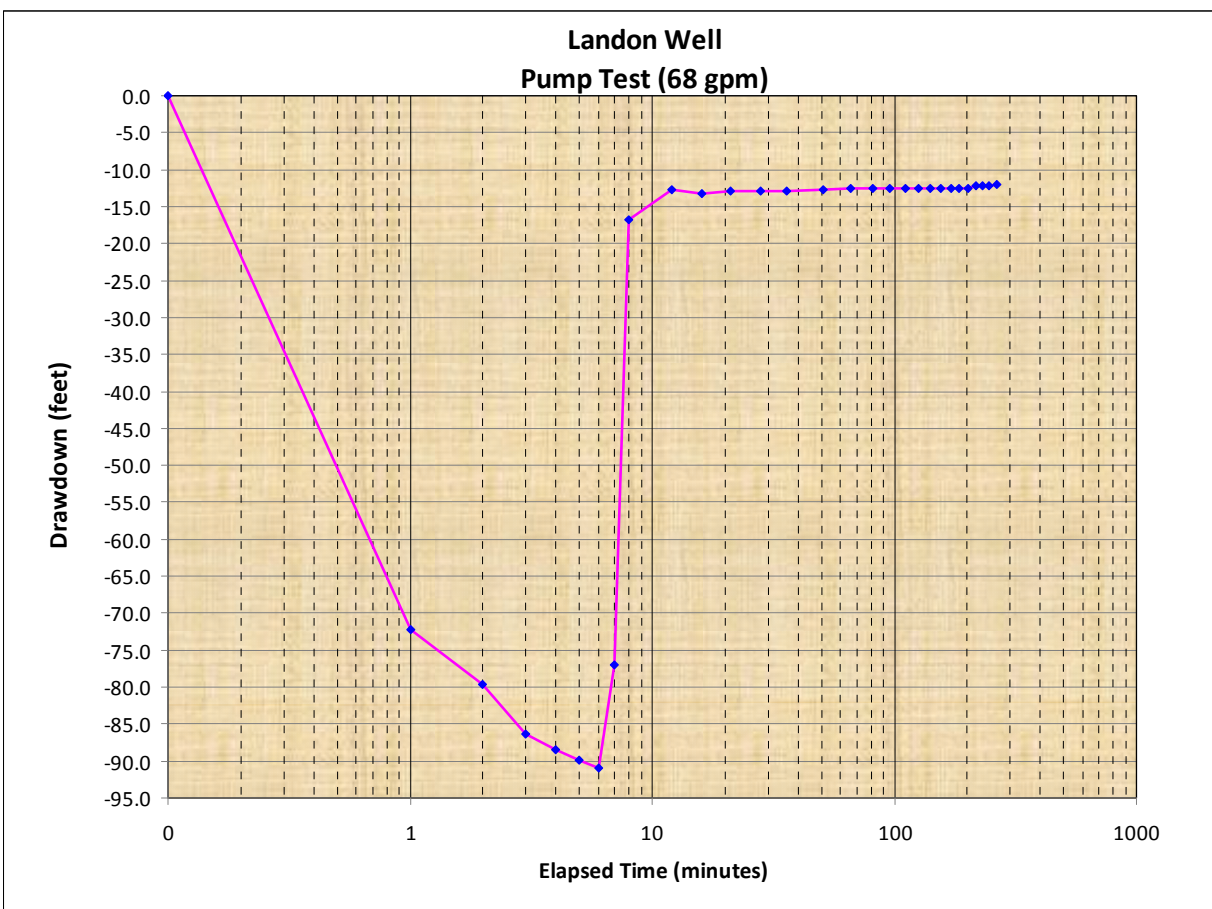
The pumping test water level data is shown on the semi-log graph below. During all but the first 10 minutes of the test the water level was stable to rising. Initial pumping rates exceeding 450 gpm produced excessive initial drawdown which rapidly corrected once the fixed rate of 68 gpm was set. The drawdown of 12.0 feet witnessed at the end of testing produced a specific capacity of 5.7 gpm per foot of drawdown. Calculated transmissivity from the current test is unquantifiable due to the rising water level but is high. The formula to calculate transmissivity requires a “ds” value representing the water level decline over 1 log cycle of time; the fact the water level rose for most of the test precluded use of the following formula:

$$T = \frac{35 Q}{ds}$$

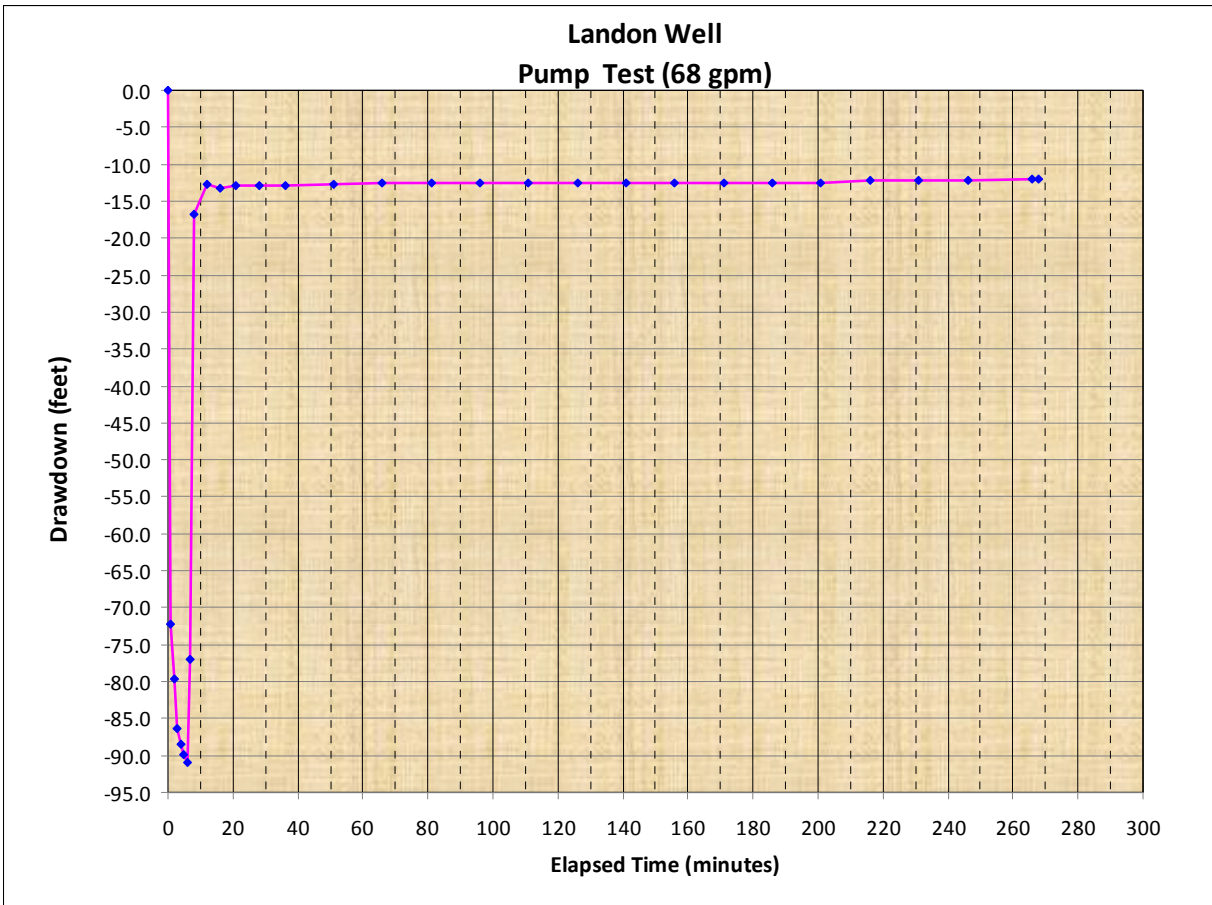
Q = pumping rate expressed in gpm (68 gpm)

ds = drawdown over 1 log cycle expressed in feet (N/A)

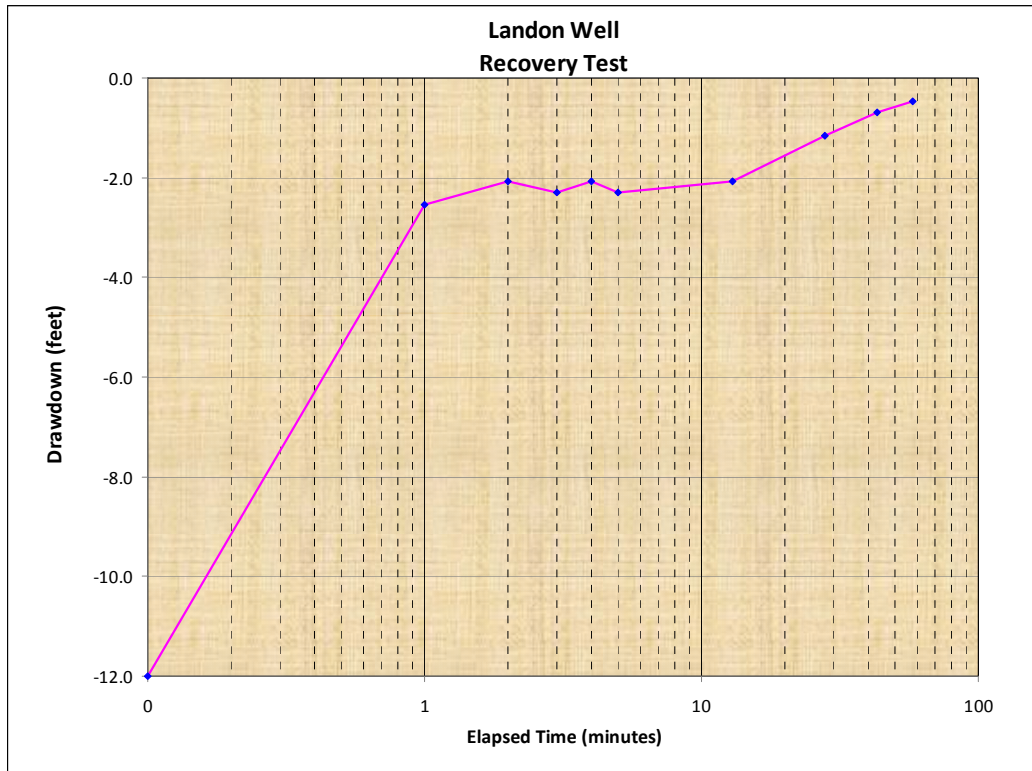
$$T = \frac{35 (68)}{N/A}$$



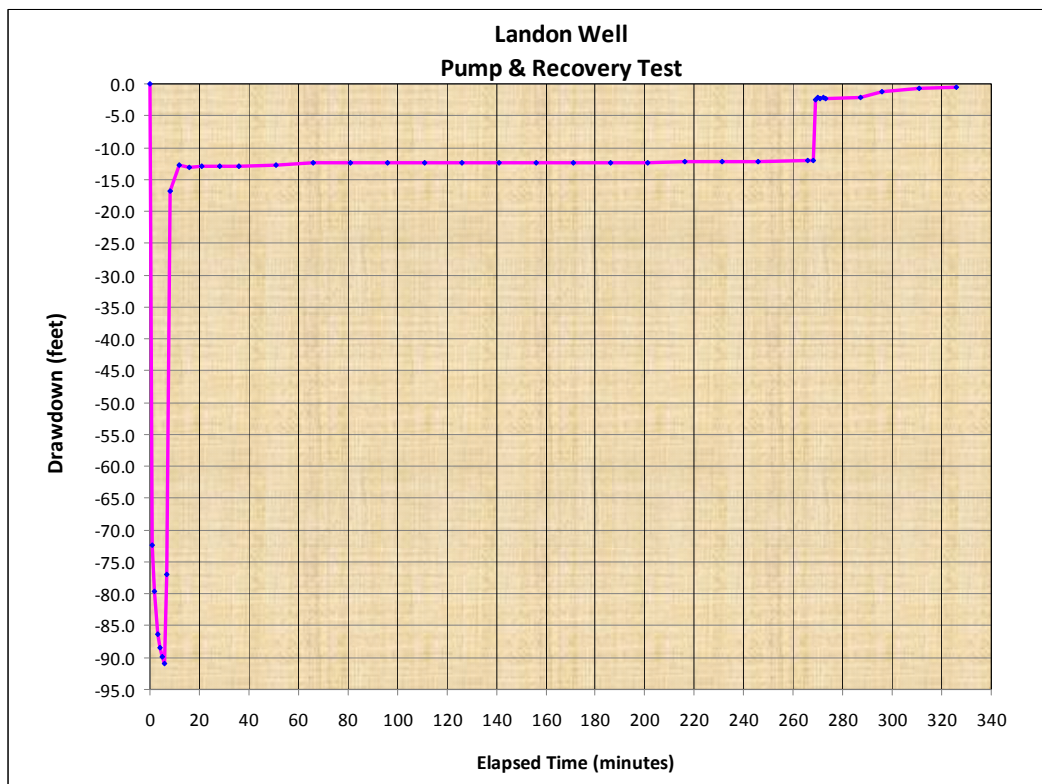
The pumping data is shown below in arithmetic format to better illustrate the water level stability observed after approximately 12 minutes of pumping after which the level rose 0.70 feet over the duration of the active pumping period.



The recovery test spanned 58 minutes as depicted below (next page). After 58 minutes the residual drawdown measured 0.46 feet equating to a recovery of 96% of the final drawdown. Given the speed of the recovery, it is clear that full recovery would have occurred in less time than the period of active pumping (4.5 hours) indicating that dewatering of the aquifer had not occurred and that if a second pumping cycle were initiated well behavior would replicate that measured during the test. Basis the high aquifer transmissivity exhibited by the fact that the well stabilized at the onset of pumping and then achieved 96% recovery within only 22% of the previous pumping cycle it can be stated that the tested well exhibits high production characteristics of a reproducible nature.



The entire pumping and recovery test is presented in arithmetic format as depicted below.



WATER CHEMISTRY

Clinical Laboratories of San Bernardino performed analysis of a water sample collected by the laboratory on November 24, 2025 at the end of the pumping test. Laboratory results are summarized on **Table 2**. All reported analyte concentrations are below the primary Maximum Contaminant Levels (MCL) for potable water. **Appendix B** contains the laboratory report.

CONCLUSIONS

It can be concluded that the Landon well is drilled into the Paso Robles Formation of the Eastern Management Area of the *Santa Ynez River Valley Groundwater Basin*. This geologic formation constitutes the primary water bearing horizon of the basin and is tapped by wells in the project area. At an average thickness of 1500 feet, this water bearing unit exceeds that of the Landon well measuring 565 feet. The formation has proven to be a reliable water source as evidenced by the abundance of local agricultural land use and historic water level records. Since 1942, water levels in the Paso Robles Formation aquifer in the Site vicinity has both risen and fallen in response to local pumping and rainfall patterns yet since 1970 the water level is essentially unchanged indicating a basin in equilibrium with anthropogenic usage and natural recharge. Having just endured an extreme period of drought, the Paso Robles Formation aquifer managed to remain stable relative to the water level posted 55 years ago and with the resumption of normal precipitation the aquifer has responded with rising water levels demonstrating behavioral dynamics consistent with the historic record.

With the recent implementation of active groundwater management by the Eastern Management Area Groundwater Sustainability Agency future protracted watertable declines should be arrested as stated goals of the Sustainability Agency are to bring demand into balance with recharge through the following actions:

- 1) *Ensure that long-term groundwater elevations are adequate to support existing and future reasonable and beneficial uses throughout the basin;*
- 2) *A sufficient volume of groundwater storage remains available during drought conditions and recovers during wet conditions;*

The 4.5-hour constant rate pumping test, described in this report, satisfies the conditions of pumping rate, duration, stability, and recovery as stipulated by Santa Barbara County Code of Ordinances, *Section 34B-18(e)(2)* for an abbreviated pumping test. The Landon well has the capacity to produce water at rates exceeding 68 gpm and for periods longer than 4.5 hours indicating the well is capable of supplying water at a rate exceeding that tested and far beyond that necessary for a Single Parcel Water System.

From a water chemistry perspective, laboratory analysis reported that all MCL regulated analytes listed on the Santa Barbara County Single Parcel Water System permit application occurred at concentrations less than the MCL.

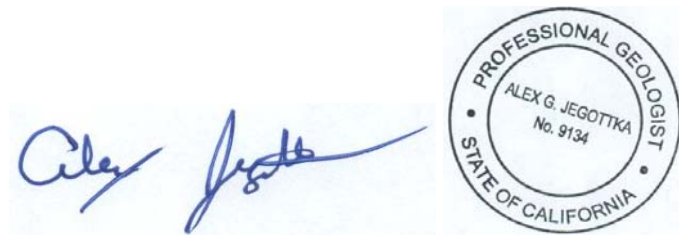
In terms of specific capacity, well performance today exceeds that reported at the time the well was tested in 1982. During the current episode of capacity testing, the well generated a 4-hour specific capacity of 5.7 gpm/ft compared to 3.4 gpm/ft in 1982. With only 12.0 feet of drawdown relative to a water column of 137 feet, ample reserve saturated thickness exists for either longer pumping cycles and/or higher pumping rates. Given the fact that the well stabilized at the onset of pumping and achieved 96% recovery within only 22% of the previous pumping cycle the well exhibits high production rates characteristic of a successful well drilled into the Paso Robles Formation of the Eastern Management Area of the *Santa Ynez River Valley Groundwater Basin* and one that can produce more water than required for a Single Parcel Water System. In conclusion, data presented in this report reveal numerous reasons why the well should serve as a reliable water source into the future.

Closure

Should you have any questions regarding this report, please contact the undersigned at (805) 965-7505 or gwsinc@gmail.com.

Sincerely,

GROUNDWATER SOLUTIONS, INC.



Alex Jegottka
Principal Hydrogeologist
California Certified Hydrogeologist 995

Email Distribution: Addressee
Angela Janes (Jones Land Use Planning, LLC)

Attachments:

Figure 1 Site Map

Figure 2 Geologic Site Map

Figure 3 APN Map

Appendix A Well Completion Log

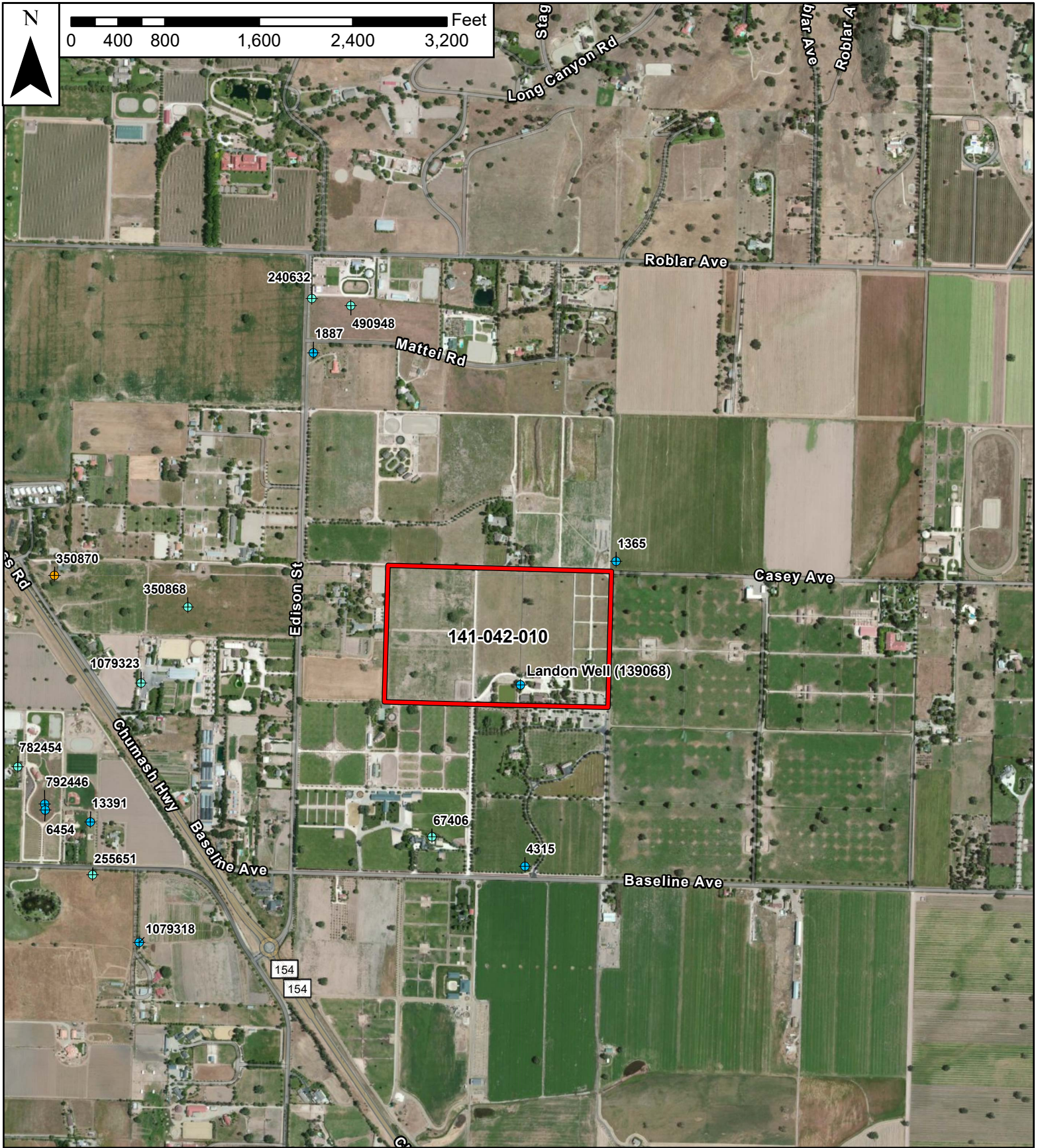
Appendix B Laboratory Report

REFERENCES

Dibblee, T.W. Jr., 1993, *Geologic Map of the Los Olivos Quadrangle*, Santa Barbara County, California, Dibblee Geological Formation Map #DF-44;

EMA, January 2022, *Eastern Management Area of the Santa Ynez River Valley Groundwater Basin, Groundwater Sustainability Plan*;

FIGURES



Located Water Wells

Confidence

- + Certain Well Location
- + Likely Well Location
- + Uncertain Well Location



Site Boundary

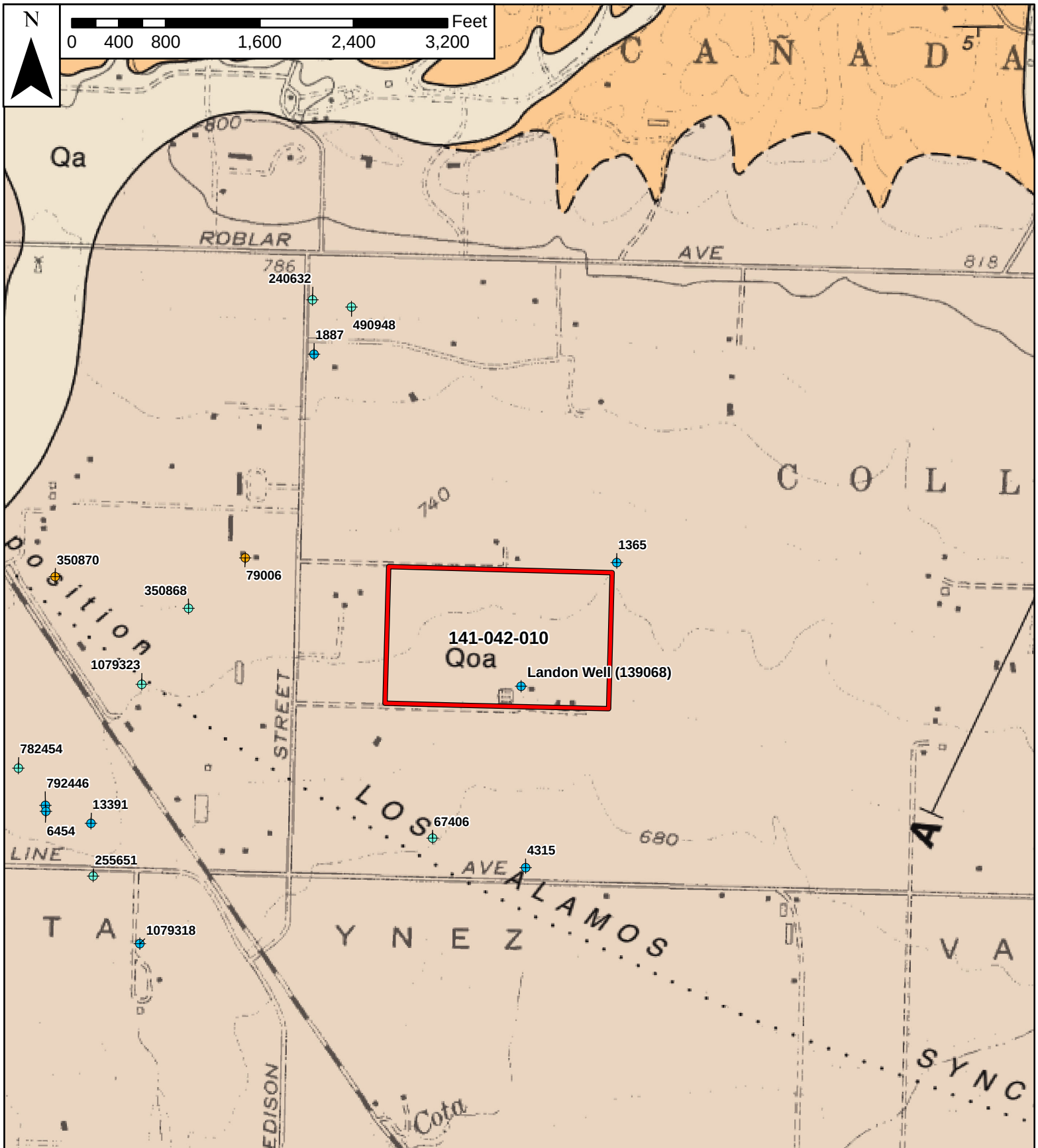
Aerial imagery taken on 7/9/2024

Groundwater Solutions, Inc.
<https://groundwatersolutionsinc.com>

Site Map

3715 Baseline Ave.
 Santa Ynez, CA 93460
 APN: 141-042-010

Figure 1



Located Water Wells

Confidence

- Certain Well Location
- Likely Well Location
- Uncertain Well Location



Site Boundary

Geologic Formations

- Surficial Sediments (Qa)
- Older Dissected Surficial Sediments (Qoa)
- Paso Robles Formation (Qtp)

References

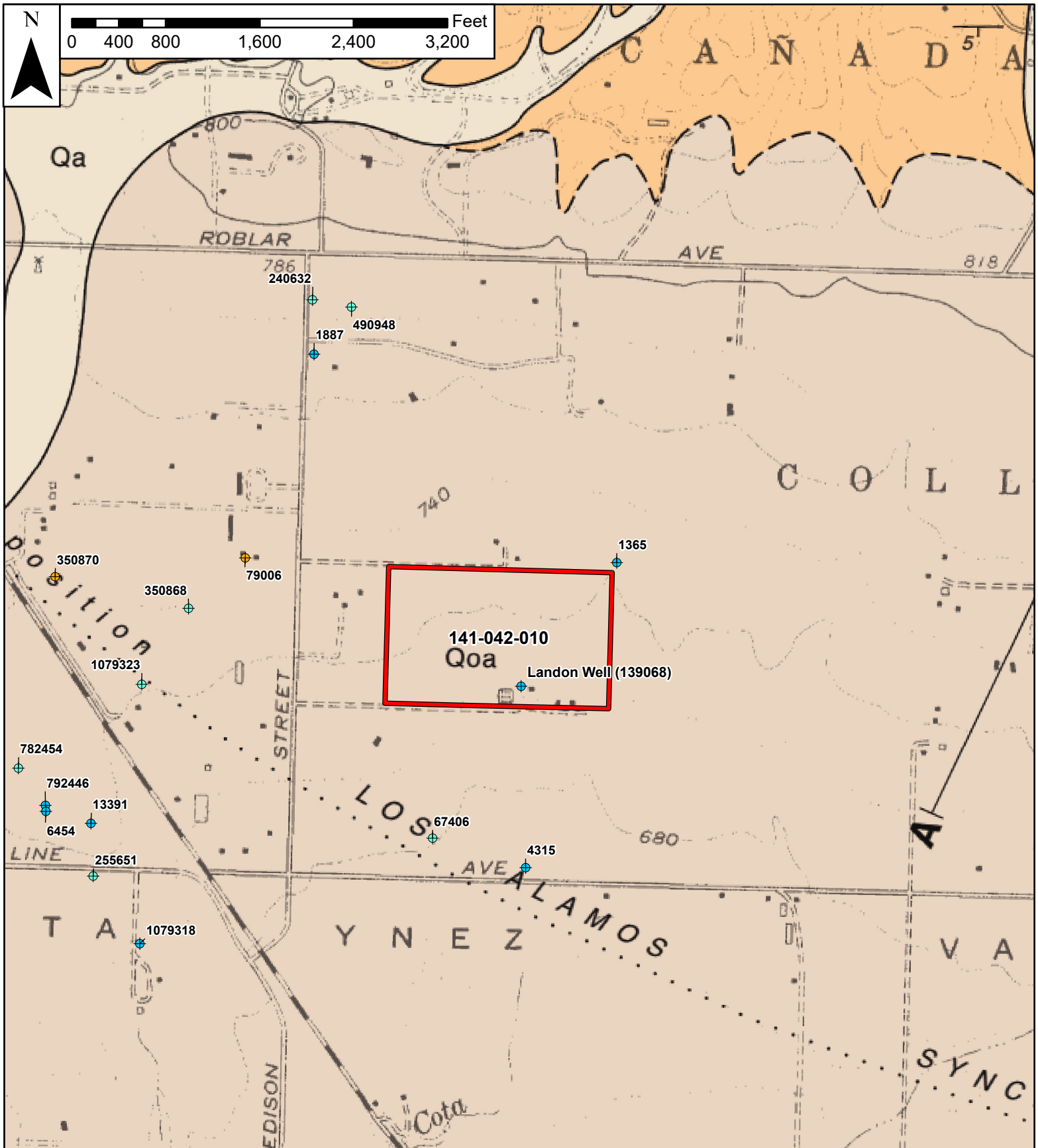
Basemap from
Dibblee Map #DF-44
Los Olivos
Quadrangle (1993)

Groundwater Solutions, Inc.
<https://groundwatersolutionsinc.com>

Geologic Site Map

3715 Baseline Ave.
Santa Ynez, CA 93460
APN: 141-042-010

Figure 2



Located Water Wells

Confidence

- + Certain Well Location
- + Likely Well Location
- + Uncertain Well Location

Site Boundary

Geologic Formations

- Surficial Sediments (Qa)
- Older Dissected Surficial Sediments (Qoa)
- Paso Robles Formation (Qtp)

References

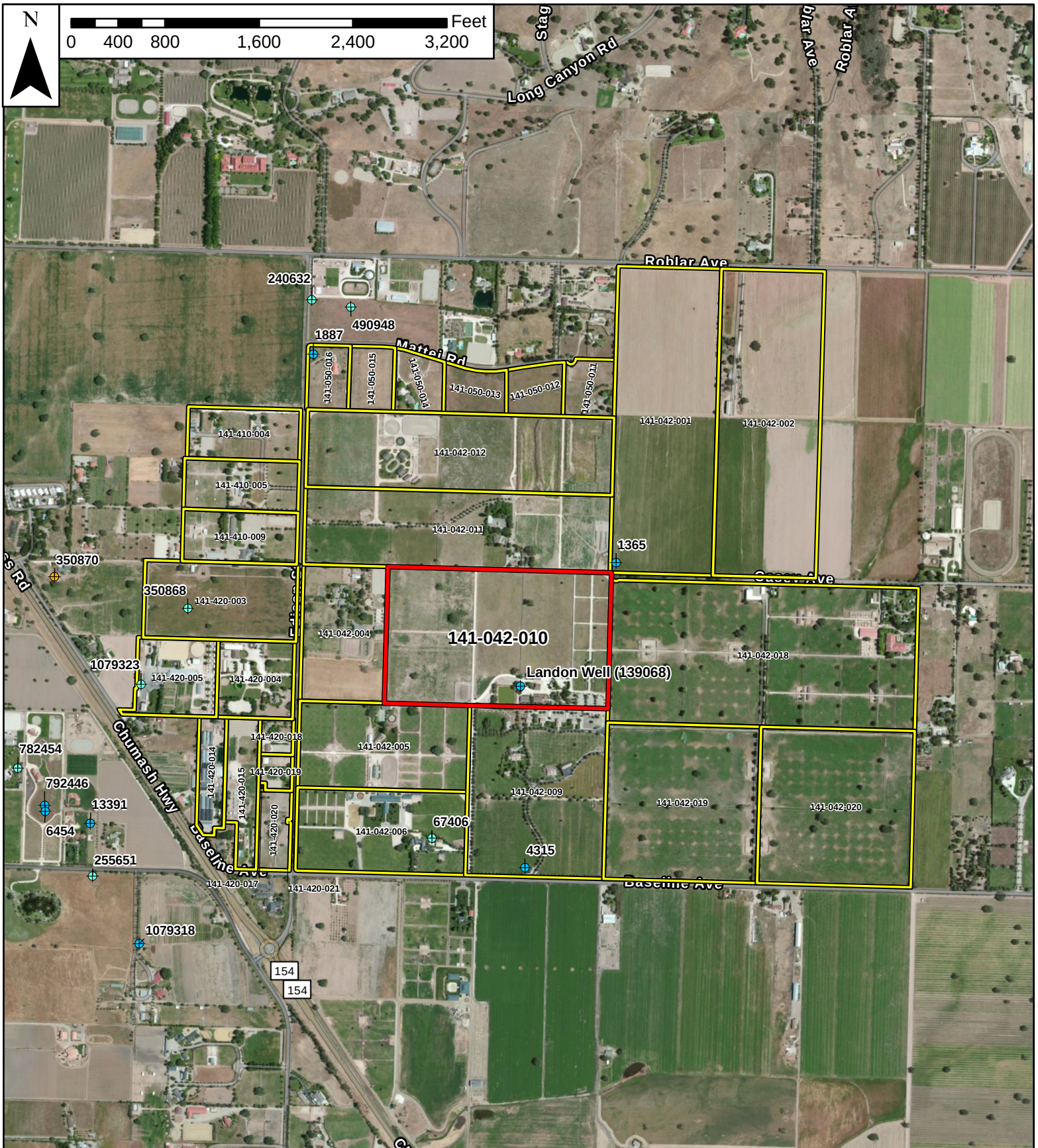
Basemap from
Dibble Map #DF-44
Los Olivos
Quadrangle (1993)

Groundwater Solutions, Inc.
<https://groundwatersolutionsinc.com>

Geologic Site Map

3715 Baseline Ave.
Santa Ynez, CA 93460
APN: 141-042-010

Figure 2



Located Water Wells

Confidence

- + Certain Well Location
- + Likely Well Location
- + Uncertain Well Location

Site Boundary

Nearby APNs

Aerial imagery taken on 7/9/2024

Groundwater Solutions, Inc.
<https://groundwatersolutionsinc.com>

APN Map

3715 Baseline Ave.
 Santa Ynez, CA 93460
 APN: 141-042-010

Figure 3

TABLES

TABLE 1

CONSTANT RATE PUMPING TEST <i>Pumping Data</i> November 24, 2025 Landon Well				
Time		Aquifer Performance Data		
Elapsed Time (minutes)	Clock Time	Airline Submergence Depth (psi)	Average Discharge (gpm)	Drawdown (feet)
-1	0923	59.3	0	0.0
0	0924	59.3	0-469	-72.3
1	0925	28.0	462	-79.7
2	0926	24.8	462	-86.4
3	0927	21.9	462	-88.5
4	0928	21.0	462	-89.8
5	0929	20.4	461	-91.0
6	0930	19.9	461	-76.9
7	0931	26	461-70	-16.9
8	0932	52.0	68	-12.7
12	0936	53.8	68	-13.2
16	0940	53.6	68	-12.9
21	0945	53.7	68	-12.9
28	0952	53.7	68	-12.9
36	1000	53.7	68	-12.7
51	1015	53.8	68	-12.5
66	1030	53.9	68	-12.5
81	1045	53.9	68	-12.5
96	1100	53.9	68	-12.5
111	1115	53.9	68	-12.5
126	1130	53.9	68	-12.5
141	1145	53.9	68	-12.5
156	1200	53.9	68	-12.5
171	1215	53.9	68	-12.5
186	1230	53.9	68	-12.5
201	1245	53.9	68	-12.2
216	1300	54.0	68	-12.2
231	1315	54.0	68	-12.2
246	1330	54.0	68	-12.0
266	1350	54.1	68	-12.0
268	1352	54.1	68-0	-12.0

TABLE 1

[illegible]

TABLE 2
Laboratory Analysis Summary
(mg/L)

	Landon Well	MCL
Aluminum	<0.05	1.0
Antimony	<0.006	0.006
Arsenic	<0.002	0.01
Barium	<0.1	1
Beryllium	<0.001	0.004
Boron	<0.1	--
Cadmium	<0.001	0.005
Calcium	33	--
Chromium +6	0.002	0.01
Chromium	<0.01	0.05
Copper	<0.05	1*
Iron	<0.1	0.3*
Lead	<0.005	0.015
Manganese	<0.02	0.05*
Magnesium	28	--
Mercury	<0.001	0.002
Nickel	<0.01	0.1
Potassium	1.9	--
Selenium	<0.005	0.05
Silver	<0.01	0.1*
Sodium	31	--
Thallium	<0.001	0.002
Vanadium	0.0083	--
Zinc	0.12	5.0*
Alkalinity (CaCO ³)	93	--
Hardness (CaCO ³)	200	--
Bicarbonate	110	--
Carbonate	<5	--
Chloride	85	500*
Cyanide	<0.01	0.15
Fluoride	0.13	2
Hydroxide	<5	--
MBAS	<0.1	0.5*
Nitrate as NO ₃	6.7	10
Nitrite as NO ₂	<0.4	1
Nitrate + Nitrite	6.7	10
Perchlorate	0.0026	0.006
MTBE	<0.003	0.013
Thiobencarb	<0.001	0.07

	Landon Well	MCL
Asbestos	<0.17	7 MFL
Sulfate	47	500*
Langelier Index	-0.2	--
Aggressive Index	11.03	--
Color	3	15 units*
Odor	<1	3 units*
Turbidity	0.2	5 NTU
Specific Conductance (E.C.)	630	900 umhos/cm*
TDS	400	1000*
pH	7.1	8.5 units*

Explanatory Notes:

Bold Exceeds MCL

MCL Maximum Contaminant Level for drinking water (November 2024)

MFL Million fibers per liter

-- No data available;

mg/L Milligram per liter or parts per million;

NTU Nephelometric Turbidity Units

ND Not detected

TDS Total dissolved solids

* Secondary MCLs

APPENDIX A

QUADRUPPLICATE
Use to comply with
local requirements

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 139068

Notice of Intent No. 1745
Local Permit No. or Date

State Well No.
Other Well No.

(1) O [REDACTED]
Address [REDACTED]
City [REDACTED]

(2) LOCATION OF WELL (See instructions):
County Santa Barbara Owner's Well Number none
Well address if different from above Baseline Ave.
Township Santa Ynez Range 200 yds north of Section Baseline; 1/4 mile east of Edison



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)
(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐
(6) GRAVEL PACK:
Yes ☒ No ☐ Size 18" x 18
Diameter of bore 60
Packed from 60 to 565 ft.
(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐
(8) PERFORATIONS:
Type of perforation or size of screen

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 60 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ce ment ft.
Method of sealing

(10) WATER LEVELS:
Depth of first water, if known 153 ft.
Standing level after well completion 153 ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test 153 ft. At end of test 153 ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 580 ft. Depth of completed well 565 ft.
from ft. to ft. Formation (Describe by color, character, size or material)
0 - 130 gravel with coarse sand
130 - 230 gravel and clay
230 - 390 gravel with clay streaks
390 - 440 gravel and clay
440 - 470 gravel
470 - 560 gravel and clay
560 - 580 clay

RECEIVED
COUNTY HEALTH CARE SERVICES
SOLVANG

DEC 11 1980

Work started 7/31 19 80 Completed 8/18/80 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
SIGNED [Signature] (Well Driller)
NAME E. Stewart Johnston for Valley Pump
(Person, firm, or corporation) (Typed or printed)
Address P.O. Box 616
City Buellton CA Zip 93427
License No. 210448 Date of this report 12/6/80

12 HOUR WELL DISCHARGE TEST

DANIELSON WELL - BASELINE AVENUE

July 12, 1982

Pump Setting - 300 Feet - Orifice 6" x 4"

Time Since Test Began (t)	Discharge (gpm)	Water Level (ft)	Drawdown (ft)
0 6:45 A.M.	0	191	Static Level
5	320	276	85
10	318	278	87
15	317	278	87
20	317	279	88
30	314	281	90
40	314	281	90
60	310	282	91
120	307	283	92
180	314	281	90
240	310	282	91
300	308	283	92
360 12:45 P.M.	308	283	92
420	307	283	92
480	305	282	91
540	303	282	91
600	303	282	91
660	302	282	91
720 6:45 P.M.	300	282	91

END TEST

RECOVERY TEST
DANIELSON WELL - BASELINE AVENUE
July 12, 1982

Time Since Test Began (t)	Time Since Test Ended (t')	Water Level (ft)	Residual Drawdown (ft)
720	0	282	----
725	5	202	11
730	10	200	9
735	15	199	8
740	20	198	7
750	30	198	7

APPENDIX B

Clinical Laboratory of San Bernardino, Inc.

Celebrating 55 Years of Analytical Service 1967-2022



Groundwater Solutions

P.O. Box 2101
Santa Barbara CA, 93120

Project: Water Analysis

Sub Project: 3715 Baseline Ave

Project Manager: Alex Jegottka

Work Order: 25K2438

Received: 11/25/25 10:20

Reported: 12/17/25

Well @ 3715 Baseline Ave

25K2438-01 (Water)

Sample Date: 11/24/25 13:40

Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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Field Analyses

Temperature (Field)	Field	20.0			°C	11/24/25	12/02/25	2548119	
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General Chemical Analyses

Alkalinity, Total (as CaCO ₃)	SM 2320 B	93	5.0		mg/L	12/01/25	12/02/25	2548119	
Bicarbonate (HCO ₃)	SM 2320 B	110	5.0		mg/L	12/01/25	12/02/25	2548119	
Carbonate (CO ₃)	SM 2320B	ND	5.0		mg/L	12/01/25	12/02/25	2548119	
Chloride (Cl)	EPA 300.0	85	1.0	500	mg/L	11/25/25	11/25/25	2548060	
Langelier Index at Source Tmp	SM 203	-0.80				12/01/25	12/02/25	2548119	
Langelier Index at 60 C	SM 203	-0.20				12/01/25	12/02/25	2548119	
Aggressive Index	SM 203	11.03				12/01/25	12/02/25	2548119	
Cyanide (CN)	SM4500CNF	ND	100	150	ug/L	12/01/25	12/01/25	2549043	
Specific Conductance (E.C.) at 25°C	SM 2510B	630	2.0	1600	umho/cm at 25°C	12/01/25	12/02/25	2548119	
Fluoride (F)	EPA 300.0	0.13	0.10	2	mg/L	11/25/25	11/25/25	2548060	
Hydroxide (OH)	SM 2320B	ND	5.0		mg/L	12/01/25	12/02/25	2548119	
MBAS	SM 5540C	ND	0.10	0.5	mg/L LAS, mol wt 342	11/26/25	11/26/25	2548104	
Nitrate as N (NO ₃ -N)	EPA 300.0	6.7	0.40	10	mg/L	11/25/25	11/25/25	2548060	
Nitrate + Nitrite (as N)	EPA 300.0	6.7	0.40	10	mg/L	11/25/25	11/25/25	2548060	
Nitrite as N (NO ₂ -N)	EPA 300.0	ND	0.40	1	mg/L	11/25/25	11/25/25	2548060	
Perchlorate (ClO ₄)	EPA 314.0	2.6	1.0	6	ug/L	12/02/25	12/02/25	2549082	
pH (Lab)	SM 4500HB	7.1			pH Units	11/26/25	12/02/25	2548119	
Temp. (C)	SM 4500 HB	21.7			°C	11/26/25	12/02/25	2548119	
Sulfate (SO ₄)	EPA 300.0	47	0.50	500	mg/L	11/25/25	11/25/25	2548060	
Total Filterable Residue/TDS	SM 2540C	400	5.0	1000	mg/L	11/25/25	12/01/25	2548092	

Metals

Aluminum (Al)	EPA 200.7	ND	50	200	ug/L	11/26/25	11/26/25	2548095	
Antimony (Sb)	EPA 200.8	ND	6.0	6	ug/L	12/03/25	12/03/25	2549120	
Arsenic (As)	EPA 200.8	ND	2.0	10	ug/L	12/03/25	12/03/25	2549120	
Barium (Ba)	EPA 200.7	ND	100	1000	ug/L	11/26/25	11/26/25	2548095	
Beryllium (Be)	EPA 200.8	ND	1.0	4	ug/L	12/03/25	12/03/25	2549120	
Boron (B)	EPA 200.7	ND	100		ug/L	11/26/25	11/26/25	2548095	
Cadmium (Cd)	EPA 200.8	ND	1.0	5	ug/L	12/03/25	12/03/25	2549120	
Calcium (Ca)	EPA 200.7	33	1.0		mg/L	11/26/25	11/26/25	2548097	
Chromium (+6)	EPA 218.7	2.0	0.10	10	ug/L	12/02/25	12/03/25	2549087	
Chromium (Total Cr)	EPA 200.8	ND	10	50	ug/L	12/03/25	12/03/25	2549120	

Stu Styles For Teresa Mendiola
Project Manager

Clinical Laboratory of San Bernardino, Inc.

Celebrating 55 Years of Analytical Service 1967-2022



Groundwater Solutions

P.O. Box 2101
Santa Barbara CA, 93120

Project: Water Analysis

Sub Project: 3715 Baseline Ave

Project Manager: Alex Jegottka

Work Order: 25K2438

Received: 11/25/25 10:20

Reported: 12/17/25

Well @ 3715 Baseline Ave

25K2438-01 (Water)

Sample Date: 11/24/25 13:40

Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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Metals

Copper (Cu)	EPA 200.7	ND	50	1000	ug/L	11/26/25	11/26/25	2548095	
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	11/26/25	11/26/25	2548095	
Lead (Pb)	EPA 200.8	ND	5.0		ug/L	12/03/25	12/03/25	2549120	
Magnesium (Mg)	EPA 200.7	28	1.0		mg/L	11/26/25	11/26/25	2548097	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	11/26/25	11/26/25	2548095	
Mercury (Hg)	EPA 200.8	ND	1.0	2	ug/L	12/09/25	12/09/25	2550112	
Nickel (Ni)	EPA 200.8	ND	10	100	ug/L	12/03/25	12/03/25	2549120	
Potassium (K)	EPA 200.7	1.9	1.0		mg/L	11/26/25	11/26/25	2548097	
Selenium (Se)	EPA 200.8	ND	5.0	50	ug/L	12/03/25	12/03/25	2549120	
Silver (Ag)	EPA 200.8	ND	10	100	ug/L	12/03/25	12/03/25	2549120	
Sodium (Na)	EPA 200.7	31	1.0		mg/L	11/26/25	11/26/25	2548097	
Thallium (Tl)	EPA 200.8	ND	1.0	2	ug/L	12/03/25	12/03/25	2549120	
Vanadium (V)	EPA 200.8	8.3	3.0		ug/L	12/03/25	12/03/25	2549120	
Zinc (Zn)	EPA 200.7	120	50	5000	ug/L	11/26/25	11/26/25	2548095	

Anion / Cation Balance

Hardness, Total (as CaCO3)	Calculated	200	6.6		mg/L	11/26/25	11/26/25	[CALC]	
Total Anions	Calculated	5.19			meq/L	11/26/25	12/02/25	[CALC]	
Total Cations	Calculated	5.35			meq/L	11/26/25	11/26/25	[CALC]	
% difference	Calculated	3.2				11/26/25	12/02/25	[CALC]	

Volatile Organic Analyses

Methyl tert-Butyl Ether	EPA 524.2	ND	3.0	13	ug/L	11/26/25	11/26/25	2548107	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	83 %				11/26/25	11/26/25	2548107	
Surrogate: Bromofluorobenzene	EPA 524.2	101 %				11/26/25	11/26/25	2548107	

Synthetic Organic Analyses

Thiobencarb (BOLERO)	EPA 525.2	ND	1.0	70	ug/L	12/01/25	12/16/25	2551106	
Surrogate: 1,3-dimethyl-2-nitrobenzene	EPA 525.2	102 %				12/01/25	12/16/25	2551106	
Surrogate: Perylene-d12	EPA 525.2	104 %				12/01/25	12/16/25	2551106	
Surrogate: Triphenylphosphate	EPA 525.2	99 %				12/01/25	12/16/25	2551106	

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

Stu Styles For Teresa Mendiola
Project Manager



LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
<http://www.LATesting.com> / pasadenalab@lateesting.com

LA Testing Order ID: 322524871
Customer ID: 32CLIN51
Customer PO: 25K2438
Project ID:

Attn: Teresa Mendiola
Clinical Laboratory of San Bernardino
PO BOX 329
San Bernardino, CA 92402

Phone: (909) 825-7693
Fax:
Received: 11/26/2025
Analyzed: 12/06/2025

Proj: 25K2438

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
					MFL (million fibers per liter)				
Well @ 3715	12/1/2025	100	1288	0.0762	None Detected	ND	0.17	<0.17	0.00 - 0.62
Baseline Ave/ 25K2438-01 322524871-0001	04:30 PM								
Collection Date/Time:	11/24/2025 13:40 PM								

Sample ozonated prior to analysis due to lab receipt time exceeding 48 hours
method hold time.

Analyst(s)

Sherrie Ahmad

(1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 12/07/2025 07:51:04

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as $\leq 0.01 \text{ MFL} > 10 \mu\text{m}$. ND=None Detected, No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson). 5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

SUBCONTRACT ORDER
Clinical Laboratory of San Bernardino
25K2438

SENDING LABORATORY:

Clinical Laboratory of San Bernardino
21881 Barton Road
Grand Terrace, CA 92313
Phone: 909.825.7693
Fax: 909.825.7696
Project Manager: Teresa Mendiola

RECEIVING LABORATORY:

LA Testing
520 Mission Street
South Pasadena, CA 91030
Phone: (323) 254-9960
Fax: (323) 254-9982

Please email results to Project Manager: Teresa Mendiola

☐ navarro@clinical-lab.com ☐ styles@clinical-lab.com ☐ jhernandez@clinical-lab.com ☒ mendiola@clinical-lab.com

CLIP transfer those samples with PS codes provided

☐ Yes ☒ No

Water Trax Upload Client: _____

☐ Yes ☒ No

GeoTracker Upload Client: _____

☐ Yes ☒ No

MDL's / J Flags

☐ Yes ☒ No

UCMR CDX Upload

☐ Yes ☒ No

Transfer Files

☐ Yes ☒ NoTurn Around Time ☒ 10 Days ☐ 5 Days ☐ Other ___ Days

Subcontract Comments:

Analysis**Comments**

Sample ID: Well @ 3715 Baseline Ave / 25K2438-01

Sampled: 11/24/25 13:40 PS Code:
Water

WTX ID:

Asbestos in Drinking Water EPA 100.2

Containers Supplied:

1 Quart Plastic (H)

20°C

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

Samples Received on () Wet Ice () Blue Ice () No Ice

Received Temp _____ (F) (C)

0/0/8
WO

25k 2435

Page of

Clinical Laboratory of San Bernardino II

Client: Groundwater Solutions
P.O. Box 2101
Santa Barbara, CA

Contact: Alex Jegottka
Phone: (805) 965-7505
Email: gwsinc@gmail.com

Project: General Physical / 3715 Baseline Ave

Sampler:

Date Sampled: November 24, 2025

Date/Time Setup: November 24, 2025 @ 17:30

Date/Time Read: November 24, 2025 @ 17:30

Date Reported: November 25, 2025

Results

Laboratory ID	Sample Time	Sample Location	Field pH	Field Temp (°C)	Color SM 2120B (CU)	Odor EPA 140.1 (TON)	Turbidity EPA 180.1 (NTU)
	13:40	Well @ 3715 Baseline Ave			3	<1	0.20

Sample Types

1 = routine

2 = repeat

3 = replacement

4 = special

W = well

D = distribution

Technical Manager:


Jennifer Knight

516A North 8th Street Lompoc, CA (805) 737-7300 Fax (805) 737-7301

ELAP Number 1678

Page 1 of 1

0/0/8
WO

Page of

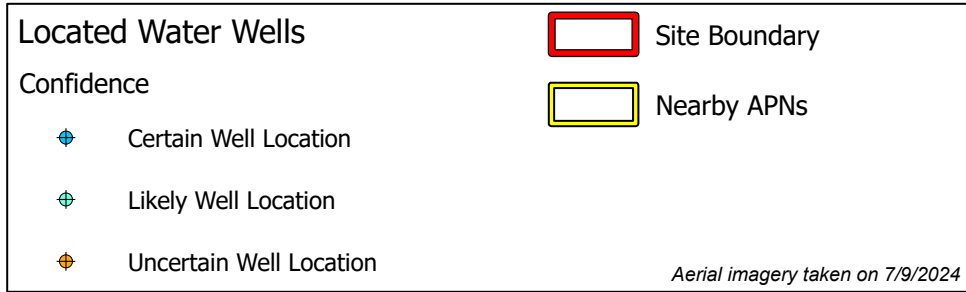


Figure 3