TODD GROUNDWATER

January 15, 2025

MEMORANDUM

To: Ryan Rhoades, District Superintendent,
Mendocino City Community Services District

From: Michael Maley, PE, PG, CHg
Principal Hydrogeologist, Todd Groundwater

Re: Review of Hydrological Study, *10550 Lansing Street, Mendocino, California: APN 119-160-31*

As requested by Mendocino City Community Services District (MCCSD), Todd Groundwater has reviewed the following report prepared by Hurvitz Environmental Services Inc., revised on January 6, 2025, entitled:

Hydrologic Assessment Report, 10550 Lansing Street, Mendocino, California: APN 119-160-31

The Hydrologic Assessment Report (Report) was submitted to MCCSD as part of an application for a groundwater extraction permit. The Parcel's current daily water allotment is 600 gallons per day (0.42 gallons per minute (gpm)) based on the existing a mix of commercial/office space and one residential 2-bedroom apartment. However, the Report states that the owner wants to increase the parcel's groundwater allotment to the maximum amount available.

For the hydrologic study, a 72-hour well yield test was performed on the two Site wells simultaneously at a combined pumping rate of 3.15 gpm. According to the MCCSD Ordinance (Ord) 2020-1 Appendix A, the Proof of Adequate Water Supply is based on a reduction of 2.5 times the tested pumping rate with no adverse effects on neighboring wells. Based on the MCCSD ordinance, the assessment tested a proof of an adequate water supply for the parcel is calculated 1.26 gpm (3.15 gpm/2.5 = 1.26 gpm) for a maximum daily allotment of 1,800 gallons per day (rounded to nearest hundred).

The hydrological study adequately addresses the requirements in Part 3 and Appendix A of the MCCSD Ordinance (Ord) 2020-1 for hydrological studies to establish proof of adequate water supply with no adverse effects on neighboring wells for the existing allotment of 600 gallons per day (0.42 gpm).

The owner's intent to increase the parcel's groundwater allotment would need to meet the requirements of MCCSD Ordinance (Ord) 2020-1 Part 11, which states that the allotment shall be based on the size and type of District-approved development on the parcel. The amount of the allotment is determined from the MCCSD Water Use Standard (Appendix C). Therefore, a new groundwater extraction permit is based on the water use requirements of the new land use, so there is no increase in the parcel's allotment until a new permit is approved.

The results of the hydrological study establishes proof of adequate water supply with no adverse effects on neighboring wells to support an application for an increased allotment of up to 1,800 gallons per day (rounded to nearest hundred) or 1.26 gpm. MCCSD Ordinance (Ord) 2020-1 Part 3 requires that the hydrological study shall consider the adequacy of the water supply to support the proposed new

Mendocino City Community Services District Hydrologic Study Assessment Checklist	
Elements	**Comments**
Hydrological Study	
Qualified hydrologist performed study	Study performed under the direction of Lee S. Hurvitz, PG #7573 CHG #1015
Duration	A 72 hour pump test with 24 hour recovery period was performed as required.
Study performed during hydrological testing period	The pump test conducted in late August 2024 with less than 6-inches rainfall occurring from August 1, 2024 to the test date.
Appendix A – Study Guidelines	
Introduction	
Location relative to contiguous properties and wells	Adequately described on Pages 3 of Study
Location and site maps	Adequately described on Pages 3 and Plate 1, 2, 3 and 4 of Study
Estimated Water Allotment	Adequately described on Page 2 of the Study. Current allotment is 600 gallons per day (0.42 gallons per minute) for a mix of commercial and office space, and one residential 2-bedroom apartment. Report notes that owner wants to increase the parcels' groundwater allotment to the maximum amount available, without adversely impacting the wells located on the nearby parcels.
Hydrological Setting	
Local geology and groundwater	Adequately described on Page 3-4 of the Study
Aquifer description	Adequately described on Page 3-4 and Plate 5 of the Study,
On-Site hydrological conditions	Adequately described on Page 3-4 of the Study
Existing wells	Adequately described on Page 2 of the Study; Photo logs are provided in Attachments A. DWR well completion reports are provided in Attachments C.
Performance of pump test	
Notice requirements for aquifer pump test	Properly noticed and posted as described on Page 5 of the Study; supporting documentation in Attachment B
Pump test method	Adequately described in Section 4 (pages 5-7). Pump test method performed in general accordance with procedures outlined in the Mendocino County Coastal Groundwater Development Guidelines

Monitoring well(s)	Pump test included 2 observation wells - OW-1A (APN: 119-160-28) and OW-1B (APN: 119-160-26) completed in the shallow Terrace Deposits; and 2 observation wells - OW-2A (APN: 119-234-05), and OW-2B (APN: 119-160-27) completed in the Franciscan Complex. Supporting data provided in Table 1, Plate 4, and Attachments C.
Pump test data analysis	
Well and aquifer characteristics	
	Adequately described in Section 5 (pages 8-10). Drawdown and recovery plotted on figures in Appendix D; tabulated result totals included in Tables 2 and 3 with full tabulated results included in Attachment D.
Transmissivity and storativity	Adequately described in Section 5 (pages 10-13). Transmissivity and storativity calculated using the Cooper-Jacob method; solution graphs shown on figures Appendix D.
Well efficiency and specific capacity	Well efficiency could not be determined as noted on Section 5 (pages 13); specific capacity was calculated in Section 5 (page 10).
Proof of adequate water supply	The average tested pumping rate (3.15 gpm) was at least 2.5 times (1.26 gpm) the daily allotment (0.42 gpm) for the current mixed of commercial/office space and one residential 2-bedroom apartment; proof established.
Aquifer effects	
Adverse effects	Adequately described in Section 5.8 (page14). According to the Study: there were no adverse effects measured in offsite observation wells.
Adverse cumulative effects	Adequately described in Section 6 (pages15-17). The Study used 3 previous approved hydrologic study wells to determine adverse cumulative effects. The calculations for this conclusion are included in Attachment F and summarized in Table 4.
Pump test results	Adequately described in Section 5 (pages 8-14). Appendix D includes figures that depict the estimated drawdown within the radius of influence of the pumping well and estimated drawdown within the radius of influence. The estimated and observed drawdown during the pumping test within the radius of influence is shown in tabular form in Appendix D.
Projected drawdown	Projected drawdown is presented in Tables 5 with supporting calculations in Appendix D.

Regional aquifer impact	Adequately described in Section 7 (pages18-20). Section 7 includes a water budget analysis of groundwater storage, groundwater recharge and drought conditions. • Analysis indicates that during an average year the proposed Site pumping rate is **only 1.26 gpm** is consistent with a reasonable maximum recovery rate of groundwater recharge during non-drought conditions. • Drought analysis indicates that the estimated pumping rate during severe drought conditions would be approximately 0.77 gpm, which is consistent with the mandatory reduction during a stage 4 drought.
Mitigation of adverse effect and adverse cumulative effect	No adverse effects were observed; therefore, no mitigation measures are proposed in the Study
	per Ord 2020-1.
Appendices	Appendices contain relevant data and information required in Ord 2020-1.

HYDROGEOLOGIC ASSESSMENT REPORT

10550 Lansing Street
Mendocino, CA 95460
APN 119-160-31

PREPARED FOR:

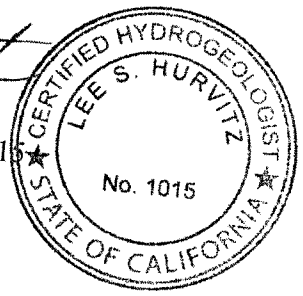
Ishvi Aum
P.O. Box 1033
Mendocino, CA 95460

October 2, 2024
Revised January 6, 2025

PREPARED BY:

HURVITZ ENVIRONMENTAL SERVICES INC.
105 Morris Street, Suite 188
Sebastopol, California 95472

Lee S. Hurvitz, PG #7573 CHG #1015
Certified Hydrogeologist



PROJECT NO. 5266.01

HURVITZ ENVIRONMENTAL
GEOLOGIC & ENVIRONMENTAL CONSULTING

October 2, 2024
Revised January 6, 2025

Ishvi Aum
P.O. Box 1033
Mendocino, CA 95460

RE: Hydrogeologic Assessment Report
10550 Lansing Street
Mendocino, CA 95460
APN 119-160-31
Hurvitz Environmental Project No. 5266.01

Dear Mr. Aum:

Hurvitz Environmental Services, Inc. (HES) is pleased to submit this Hydrogeologic Assessment Report (HAR) for the above referenced property. HES prepared this HAR in accordance with the Mendocino City Community Services District (MCCSD) Groundwater Extraction Ordinance No. 2020-01. The purpose of this HAR was to evaluate the aquifer conditions at the site, which consisted of both a Terrace Deposit aquifer and a Franciscan Complex aquifer, and to determine if an increase to the Sites groundwater usage would create an aquifer overdraft, or cause "adverse" conditions to the nearby wells.

Based on the findings of this report, pumping and groundwater extraction from the Sites two (2) wells, at a combined annual rate of 1.26 gpm, or 1,814 gallons/day, is unlikely to result in significant declines in groundwater resources over time, and will not adversely impact neighboring wells.

We appreciate the opportunity to provide you with these services. Please do not hesitate to contact us at your convenience, should have any questions or comments regarding this report or our recommendations.

Sincerely,
HURVITZ ENVIRONMENTAL SERVICES, INC

Lee S. Hurvitz, PG# 7573 CHG #1015
Certified Hydrogeologist

CERTIFIED HYDROGEOLOGIST
LEE S. HURVITZ
No. 1015
STATE OF CALIFORNIA

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1.0 INTRODUCTION AND SCOPE OF SERVICES

The property located at 10550 Lansing Street in Mendocino, California (the Site) is requesting an increase to its current daily groundwater allotment of 600-gallons. The property owner, Mr. Ishvi Aum, would like to increase the parcels' groundwater allotment to the maximum amount available, without adversely impacting the wells located on the nearby parcels. Therefore, on behalf of Mr. Aum, Hurvitz Environmental Services (HES) conducted a 72-hour well pumping test and Hydrogeologic Assessment for the Site in accordance with the Mendocino City Community Services District (MCCSD) Groundwater Extraction Ordinance No. 2020-01.

MCCSD Ordinance No. 2021-01 states that property owners that want to have a change in property use or an expansion of existing use, must perform a hydrological study to demonstrate that adequate water resources are available and that the increase in groundwater use will not adversely impact neighboring wells. Procedures for proving adequate groundwater must include a 72- aquifer pump test, a 24-hour pre-test assessment, and aquifer recovery analysis. The assessment should also consider the local geology and hydrology, groundwater overdraft, potential impacts from the proposed increase in groundwater extraction, and the cumulative effects to hydrologically contiguous wells.

Therefore, this groundwater report includes the following elements:

- Characterization of local hydrogeologic conditions within the site watershed and sub-basin.
- Compilation of Well Completion Reports (drillers' logs) from the area.
- Performance of a 72-hour well yield test, and recovery analysis.
- Calculations for the Aquifer Transmissivity, Storativity, Specific Capacity, the radius of pumping influence, and the long-term drawdown effects from pumping.
- Estimates of annual groundwater storage and recharge relative to existing and proposed groundwater uses.
- Assess potential for well interference between the project well and neighboring wells.
- Estimates of the Cumulative Impact to near-site wells based on existing groundwater allotments and previous groundwater studies.

2.0 ESTIMATED WATER ALLOTMENT

We understand the Parcel has a current daily water allotment of 600-gallons/day which is equivalent to 0.42 gallons per minute (gpm). The Parcel's allotment is based on the existing improvements which consists of a mix of commercial and office space, and one residential 2-bedroom apartment. In order for Mr. Aum to consider additional Site development possibilities, it needs to be determined how much the Parcel's groundwater allotment can be sustainably increased to.

Up until August of 2023, the Site's water allotment (0.42 gpm) was derived entirely from a 17-foot-deep ring well that accessed a shallow Terrace Deposit aquifer. However, the Site is now developed with a new 245-foot well that is screened below the Terrace Deposits and into a fractured bedrock aquifer. This new well has not been tested for yield or assessed for potential impacts to neighbors and the Terrace Deposit well has also never been tested. Therefore, for this Site Assessment, we tested both Site wells simultaneously to determine the their maximum combined yield while monitoring both Terrace Deposit and bedrock aquifer wells in the vicinity.

3.0 SITE DESCRIPTION & HYDROGEOLOGIC SETTING

The Site is located at 10550 Lansing Street in Mendocino, California, within an unincorporated, commercial, and residential community approximately 0.3 miles north of Mendocino Bay, and 0.7 miles east of the Pacific Ocean, (**Plate 1 – Site Location Map**). The Site is further identified as Assessor's Parcel No. (APN) 119-160-31 **(Plate 2 – Assessor Parcel Map)**. The rectangular shaped parcel consists of approximately 0.38 acres (16,524 ft²), is zoned as commercial (MC), and is located on the southwest corner of Little Lake Street and Lansing Street. The Site improvements include an approximately 1,500 ft² (footprint) two-story building located on the Sites northeast corner and an approximately 4,400 ft² building located along the Site's southern boundary. The two-story building is utilized as office space on the first floor, and as a 2-bedrroom apartment on the second floor. The 4,400 ft² building on the southern portion of the Site is periodically utilized for commercial purposes. Land use in the vicinity is primarily commercial developments to the north, south, and east, with residential developments to the west and southwest of the Site. Besides the two main buildings onsite, the majority of the Site is unpaved and consist of minor landscaping, gravel/dirt pathways, and two small shed type structures. Photographs are presented in **Appendix A**.

The Site is developed with two groundwater wells. Similar to many properties in the area, the Sites older well is a "Ring Well" (Site Well #1) that is approximately 30-inches in diameter and 17-feet deep. Site Well #1 is located near the northwest corner of the Site. The second Site well (Site Well #2) was installed in 2023, and is located approximately 80 feet east of Site Well #1 near the northeast corner of the Site. Site Well #2 is constructed of 5.5-inch PVC casing to a total depth of 245 feet below grade (bg).

3.1 USGS 7.5 MINUTE QUADRANGLE MAP

HES reviewed the most recent United States Geological Survey (USGS) 7.5-minute Quadrangle Map, 2015 Mendocino, California (**Plate 3 - Topographic Map**). The Site topography is generally flat with an elevation between 136 and 138 feet above mean sea level (MSL). Both Site Wells are located at an elevation of approximately 137 feet above MSL. Surface water at the Site, and the surrounding area, drains to the south and west and into Mendocino Bay.

3.2 GEOLOGY AND HYDROLOGY

The site is located in the Fort Bragg Terrace Area Groundwater Basin 1-021, and within the Little River – Frontal Pacific Ocean Sub-Watershed (HUC 12- 180101080803). The hydrogeology of the Groundwater Basin can generally be broken into two categories: the first water bearing zone/aquifer of near surface (from approximately 0-50 feet bg) sediments consisting primarily of marine terrace deposits that have a wide range of reported yield (1-100 gpm); and, the Franciscan Complex bedrock (from approximately 0-30,000 feet bg) aquifer consisting of fractured (variably) greywacke sandstone and turbidite sandstone (often called shale by drillers) sequences, with localized serpentinite. The Franciscan bedrock in the area is considered a very low, to low yielding aquifer media in the range of 0.1-10 gpm.

Shallow groundwater at, and near the Site, is accessed through ring wells within the Terrace Deposits that extend near the contact with the Franciscan Complex. Groundwater infiltrates through the generally permeable Terrace Deposits and is "perched" on the generally impermeable Franciscan rocks.

The Terrace Deposits aquifer is considered unconfined with recharge primarily occurring from infiltration of precipitation and to a lesser extent from subsurface inflow through fractures in the Franciscan bedrock. Groundwater flow is generally west to southwest in the direction of the topographic slope and the inclined surface of the Terrace Deposits. Site Well #1 is only 17-feet deep, with a measured static water level of 11.9 feet bg (08-20-24), and presumably installed entirely within the Terrace Deposits.

Deeper groundwater at, and near the Site, is accessed through drilled wells within the Franciscan Complex and extend to an average of ~188 feet below grade (bg). Site Well #2 is 245 feet deep, and was constructed with a sanitary seal to 20 feet bg, blank casing to 25 feet bg, and had a measured static water level at 25 bg (08-20-24). Details from the Well Completion Report (WCR) for Site Well #2 indicate that the Terrace Deposits extend to approximately 25-27 feet bg and are underlain by sandstone and shale of the Franciscan Complex. This suggests that Site Well #2 is screened entirely within the Franciscan Complex. The static water level variations between Site Well #1 (11.9 ft), and Site Well #2 (25 ft) confirms that the two Site Wells are accessing different aquifers, however, some connectivity at or near the Site is considered likely.

Fractured rock aquifers are distinct from groundwater systems which are hosted in sedimentary deposits. While sedimentary aquifers store and transmit water through pore spaces between individual sediment granules, fractured rock aquifers store and transmit water through crevices, joints and fractures in an otherwise impervious rock mass. As a result, fractured rock aquifers exhibit hydraulic characteristics which are distinct from those observed in sedimentary aquifer systems with water availability (commonly observed in terms of bore yield) generally dependent on the nature (number, size and extent) of discontinuities in the rock mass and their degree of interconnection. This means the long-term yield available from bores screened in fractured rock aquifers is generally dependent on the localized extent and interconnection of discontinuities in the overall rock masses rather than permeability of the geological materials in the immediate vicinity of the abstraction point. Geologic faulting and fracturing can also create highly variable groundwater conditions and can create secondary permeability in otherwise low yielding water bearing units.

Fractured rock aquifers may also exhibit different recharge characteristics to other aquifer types, particularly unconfined aquifers. In addition, due to the age of the geological units forming fractured rock aquifers (typically pre-Tertiary age) extensive weathering commonly occurs along the upper surface of the rock mass. This weathering commonly results in the alteration of the rock materials to form clay minerals which inhibit the vertical movement of water. Permeability in fractured rock aquifers may also be reduced with depth due to the progressive reduction in open space along joints and fractures due to the weight of the overlying rock mass.

4.0 PERFORMANCE OF PUMP TESTS

The following section is a description of the purpose and methodologies used to conduct the dry-season 72-hour pump test and recovery analysis, as well as a description of the observation wells used during the testing.

The purpose of the aquifer testing was to determine if there was an adequate groundwater supply to allow for an increase to the parcels existing water allotment from Site Well #1 (600 gpd = 0.42gpm) and what the potential allotment could be from Site Well #2 (installed in 2023) that is screened entirely within the Franciscan aquifer. Therefore, we determined it would be most appropriate to test both Site Wells (aquifers) simultaneously, and determine a maximum combined yield over a 72-hour period. Testing the two (2) wells simultaneously has several advantages and one disadvantage. Pumping the two (2) wells simultaneously provides a better test of actual cumulative well production because inter-well interference is incorporated into the testing. Also, drawdown from one well that may reduce the production of a second well or vice versa is measured. However, aquifer properties calculated from the time-drawdown measurements are less accurate and considered estimates due to the potential for inter-well interference.

Prior to the testing, and in accordance with requirements of the Ordinance, MCCSD notified the adjacent property owners, in certified letters, that an aquifer-pumping test would be performed at the subject property beginning on August 20, 2024. A Notice of Aquifer Test was posted on the property ten days before the start of the test. Notices were posted at MCCSD's office, the Mendocino Fire House, and the Mendocino Post Office. In addition, MCCSD published a notice of the test in the Mendocino Beacon on July 25, 2024. Proof of Publication and Notice of Aquifer Test are presented in **Appendix B**.

As a result of the MCCSD notifications, a total of four (4) near-site well owners requested to have their water levels monitored. In addition to the four (4) wells that were monitored, we identified additional near-site wells that either declined or did not respond to the Notification. An inventory and description of the two (2) Site Wells, the four (4) observation wells, and the additional near-site wells are presented in **Table 1 – Well Inventory.** Locations of the Site Wells and near-Site wells are also shown on **Plate 3 - Site Plan - Well Locations,** Well Completion Reports are presented in **Appendix C – Well Completion Reports.**

TABLE 1 – WELL INVENTORY

APN/ WCR Number	Well install/ Test Year	Distance to Site Well (feet)	Surface Elevation (feet, msl)	Total Well Depth (feet)	Screen Interval/ (feet)	Total Screen Thickness (feet)	Well Yield (gpm)	Draw-down (feet)	Specific Capacity (gpm/ft)	Well Map #
119-160-31/ NA	NA	0	137	17	NA	NA	1.7	2.85	0.6	Site Well #1
119-160-31/ 010668	2023	0	137	245	25-245	220	1.45	104.35	0.014	Site Well #2
119-160-28/ NA	NA	130	134	23.25	NA	NA	NA	NA	NA	OW-1A
119-160-26 / NA	NA	255	133	29	NA	NA	NA	160	NA	OW-1B
11-234-05 156465	1975	210	133	87	27-87	60	15	62	0.24	OW-2A
119-160-27 493638	1994	298	135	128	30-128	98	2	NA	NA	OW-2B
119-160-23/ 341821	1990	192	140	200	50-200	150	1	191	0.08	3
119-150-05 / 0929604	2005	205	139	220	120-220	100	5	130	0.04	H-P2
119-150-01/ 0929601	2005	230	144	300	40-300	260	1	258	0.004	4
119-150-06 / 211280	1992	260	133	200	119-199	80	12	168	0.07	5
119-160-34 / 12069	1984	285	139	160	40-160	120	5	NA	NA	6
Average Franciscan Well Total Depth = 192.5 ft. Average Terrace Deposit Well Depth = 23.08 ft.				Average Screen Thickness (Franciscan wells) = 136 Feet				Average SC (Franciscan Wells) = 0.07 GPM/ft		

Table 1 indicates that the average depth of the Terrace Deposit wells (Site Well #1, OW-1A, and OW-1B) is 23.08 feet and the average depth of the other Franciscan aquifer wells is 192.5 feet bgs. The average screen interval for the Franciscan wells is 136 feet, and the average specific capacity is 0.07 gpm/ft drawdown.

The wells identified as OW-1A and OW-1B on **Table 1** were used as observation wells during the testing of Site Well #1. They are both hand-dug "ring wells", constructed to similar depths, and are located downgradient of Site Well #1. Observation well OW-1A (APN: 119-160-28) is 23.25 ft. deep, and 130 feet west of Site Well #1, and observation well OW-1B (APN: 119-160-26) is 29 ft. deep and 255 feet west of Site Well #1. These wells are considered to be accessing water from the Terrace Deposits discussed in Section 2.3 of this Assessment.

The wells identified as OW-2A and OW-2B were used as observation wells during testing of Site Well #2. They are both drilled wells with 20-foot sanitary seals, constructed with machined slotted PVC well casing, and screened within the Franciscan Complex. Observation well OW-2A (APN: 119-234-05) is 87 ft. deep, and 210 feet west of Site Well #2, and observation well OW-2B (APN: 119-160-27) is 128 ft. deep, and 298 feet south from Site Well #2.

On the morning of August 19, 2024, HES installed Solinist dataloggers in three (3) near-site observation wells (OW-1A, OW-2A and OW-2B) to begin the 24-hour pretest monitoring of water levels. Observation well OW-1B was monitored by hand using a Solinist depth to water sounder. All observation wells were not pumped during the pre-test 24-hour observations, and remained unused throughout the duration of the aquifer testing, including the recovery period.

Starting at 8:30 am on August 20, 2024, HES began pumping Site Well #2 using the existing ½ horsepower submersible pump set at approximately 235 feet bg. Approximately 50-minutes later at 9:20 am on August 20, 2024, HES began pumping Site Well #1 using an installed ½ horsepower submersible pump set at approximately 16.5 feet bg. Prior to initiating the aquifer testing onsite we measured the static water level in Site Well #1 at 11.9 feet bg, and a static water level in Site Well #2 at 25.0 feet bg.

To begin the tests, each well was briefly pumped at increased pumping rates to allow for some well drawdown and casing storage removal before reducing the testing rates to a more sustainable constant flow rate of 1.7 gpm for Site Well #1, and 1.45 gpm for Site Well #2. Drawdown in the testing wells was measured using a Solinist depth-to-water sounder with readings collected consistently throughout the testing to within 0.01-foot. Well discharge rates were measured from each of the Site Wells using Badger M-25 totalizing flow meters and controlled with ball valves installed on the discharge lines. Water discharged from the two Site Wells was directed to the Sites 1,000-gallon poly tank, from which it was either used in the offices and residence, or discharged to the sanitary sewer lines onsite.

Well recovery data was collected for 24-hours after pumping in both Site Wells, as well as from observation wells OW-1A and OW-1B. For logistical reasons (and to return the wells to use for property owners) the recovery measurements from observation wells OW-2A and OW-2B were collected for just 8-hours after pumping was completed. The testing data from Site Well #1, Site Well #2 and the four (4) observation wells is presented in **Appendix D – Well Testing Data and Graphs.**

5.0 PUMP TEST DATA ANALYSIS

HES evaluated the results of the aquifer tests to determine the aquifer characteristics and evaluate the potential for well interference and adverse effects to the local aquifers. This included calculations for aquifer transmissivity, storativity, specific capacity, the radius of pumping influence, and the measured and predicted drawdown from the proposed pumping at the Site.

5.1 TESTING RESULTS - SITE WELLS

A total of 13,791 gallons were pumped from the two Site Wells during the testing (Site Well #1 -7,358-gal; Site Well #2 6,433-gal). Site Well #1 produced an average of 1.70 gpm throughout the 72-hour test with a total drawdown of 2.85 feet (55%). Water levels had begun to stabilize towards the end of the testing with only 0.1-feet of drawdown being recorded during the final 15 hours. This suggests that as the cone of depression expanded laterally, groundwater began to recharge the well at rates nearly equal to the discharge rate of 1.7 gpm. Additionally, well recovery data collected during the testing of Site Well #1 indicated that the static water level had recovered to 94% of initial static levels within 24-hours, indicating no aquifer overdraft. The flow rates, and the total drawdown and recovery statistics are presented on **Table 2 – Pumping Well Data**. The tabulated well testing data is presented in **Appendix D – Well Testing Data and Graphs.**

Site Well #2 produced a constant 1.45 gpm with a generally stabilized drawdown of 104.35 feet (47%). Site Well #2 showed a significant decline in the rate of drawdown during the final 24-hour of testing which suggests that either additional fractures zones are becoming available as the cone of depression increases in size, or there could be aquifer leakage occurring from the overlying Terrace Deposits. Either way, it was deemed that the later stages of the pump test were more representative of the long-term Franciscan aquifer conditions. Well recovery data from Site Well #2 indicated that the static water level had recovered to 99% within 24-hours, indicating that aquifer overdraft was not occurring. The flow rates, and the total drawdown and recovery statistics are presented on **Table 2 – Pumping Well Data**. The tabulated well testing data and graphical representations are presented In **Appendix D – Well Testing Data and Graphs.**

TABLE 2 – PUMPING WELL DATA

Well ID / Pumping Rate	Total Well Depth	Depth to Static Water	Total Water Column	72-hour Drawdown	24-hr Recovery	Drawdown as % of Water Column	Recovery as % of Static Water Level
	----------feet----------						
Site Well #1 1.7 gpm	17	11.9	5.1	2.85	2.68	55%	**94%**
Site Well #2 1.45 gpm	245	25.0	220	104.35	102.80	47%	**99%**

5.2 TEST RESULTS – OBSERVATION WELLS

A total of four (4) observation wells were used during testing. Two of the observation wells were shallow Terrace Deposit wells (OW-1A and OW-1B) and two (2) of the observation wells were deep Franciscan aquifer wells (OW-2A and OW-2B).

For the Terrace Deposit wells, the pre-test static water level was measured at 15.25 ft. bgs (OW-1A) and 18.05 ft. bgs (OW-1B). Based on these water levels depths, and the total well depths (**Table 1 – Well Inventory),** OW-1A had 8.0 ft. of water available for drawdown, and OW-1B had 10.95 ft. of water available for drawdown. During testing, observation well OW-1A recorded a total drawdown of 0.41ft. (5.13%) and the observation well OW-1B recorded a total drawdown of 0.26 ft. (2.37%). The drawdowns observed were less than 10% of the wells initial volume, indicating that no significant adverse effects were noticed. However, some of the drawdown observed in these observation wells appears to have been caused from outside influences. In the 24-hour pre-test of OW-1A, we recorded a water level lowering of 0.19 ft. and OW-1B recorded a water level lowering of 0.15 ft. This indicates that water level reductions/fluctuations are occurring at a rate of up to 0.19 ft/day that are a result of other well influences and/or seasonal declines. However, observation well OW-1A did show a recovery of 0.07 ft. after 24 hours, which suggests that the pumping likely did have some effect on OW-1A. Conversely, water levels in observation well OW-1B continued to decline (0.08 ft) during the 24-hr recovery period, which suggest that OW-1B may have been beyond the 3-day radius of pumping influence.

For the Franciscan aquifer wells, the pre-test static water level was measured at 22.35 ft. bgs in OW-2A and at 15.55 ft. bgs in (OW-2B). This indicated that there was 64.65 feet of well casing volume available in OW-2A, and 112.45 ft. of water in OW-2B. During pumping of Site Well #2, the observation well OW-2A was observed to have a total drawdown of 0.51ft. (0.79%) and observation well OW-2B was observed to have a total drawdown of 0.36 ft. (0.32%). The drawdowns observed were less than 10% of the wells available volume, indicating that no adverse effects were noticed. Again, some of the drawdown observed in these two observation wells appears to be from outside influences. We noted that a drawdown of ~0.1 feet was recorded in observation well OW-2A, and a drawdown of ~0.19 feet was recorded in observation well OW-2B during the 24-hour pre-test period. Recovery analysis of the observation wells OW-2A and OW-2B both showed 0.02 feet of recovery in the 8-hours after pumping had ceased. Similar to the Terrace Deposit wells, this suggests that other near-site pumping and seasonal declines were also affecting these wells during testing, and that the recovery observed could be within a range of daily fluctuations. The drawdown and recovery data for the observation wells are presented on **Table 3 – Observation Well Data**, and the tabulated well testing data and graphical representations are presented In **Appendix D – Well Testing Data and Graphs.**

TABLE 3 – OBSERVATION WELL DATA

Well ID	Total Well Depth	Depth to Static Water	Total Water Column	24-hour Pre-test Drawdown	72-hr Test Drawdown	24-hr Recovery	72-hr Test Drawdown as % of Water Column
	----------feet----------						
OW-1A	23.25	15.25	8.0	0.19	0.41	+0.07	**5.13%**
OW-1B	29.0	18.05	10.95	0.15	0.26	-0.08	**2.37%**
OW-2A	87	22.35	64.65	0.11	0.51	+0.02*	**0.79%**
OW-2B	128	15.55	112.45	0.19	0.36	+0.02*	**0.32%**
*Recovery analysis was performed for 8-hours							

When plotted against time, the changes in water levels measured in the observation wells generally track with changes in barometric pressure and also with pre-test observations, and show essentially no direct correlation with drawdown in the pumping well. However, even if the changes in water level during the pumping period is wholly related to test-well pumping, the observed effect is less than 10% of the available water column in each well and therefore no adverse impacts were recorded.

5.3 SPECIFIC CAPCITY

Specific Capacity (SC) is the measure of the constant flow rate recorded during a pumping test, divided by the amount of stabilized drawdown observed during the test. The SC values are expressed in gpm/foot of drawdown, and can be a measure of a well's sustainable yield. Water levels in Site Well #1 generally stabilized at 14.75 feet (2.85 ft. drawdown), which resulted in a specific capacity of 0.596 gpm/foot of drawdown (i.e., 1.7 gpm/2.85 ft). Water levels in Site Well # 2 stabilized at approximately 129.35 feet (104.35 ft. drawdown), which resulted in a specific capacity of 0.014 gpm/foot of drawdown (i.e., 1.45 gpm/104.35 ft.). The well yield test data and calculations for Site Wells #1 and #2 are attached in **APPENDIX D**.

Specific Capacity can be used to predict the potential maximum well yield by multiplying the SC by the amount of available well drawdown. If we assume that 66% of well drawdown is the maximum allowable drawdown, then we can calculate the maximum discharge rate of each well as shown below.

0.596 gpm/ft drawdown (SC of Site Well #1) x 3.37 ft (66% of available drawdown) =
2.01 gpm = Maximum Potential Yield for Site Well #1

And,

0.014 gpm/ft drawdown (SC of Site Well #2) x 145.2 ft (66% of available drawdown) =
2.03 gpm = Maximum Potential Yield for Site Well #2

5.4 TRANSMISSIVITY AND HYDRAULIC CONDUCTIVITY

Aquifer Transmissivity (T) refers to the ability of an aquifer to transmit water horizontally through its entire thickness. It quantifies how much water can flow through a unit width of the aquifer over a unit time, under a unit hydraulic gradient. To obtain the aquifer transmissivity from each of the aquifers beneath the Site, we plotted to the time-drawdown data from Site Well #1 and Site Well #2 on logarithmic paper to get the slope of the drawdown curve, as shown in **Appendix D**. The data from the pumping phase of the tests were used for the curve fitting, although more weight was given to the later

stages of pumping for Site Well #2 as that period was deemed to be more representative of longer-term pumping and/or aquifer conditions.

The T values calculated from the pumping drawdown curve were 444.36 gpd/ft in Site Well #1 and 23.93 gpd/ft in Site Well #2. The T value calculated from the recovery curve was 345.23 gpd/ft in Site Well #1 and 7.22 gpd/ft in Site Well #2. These calculations are likely underestimates for the Terrace Deposit Wells, because it is unclear if the wells fully penetrate the aquifer and due to their ring well construction, they do not have perforations that are uniformly spaced through the aquifer. The relatively low amount of open area in the well casing means that drawdown during pumping is likely more than would occur if the well was constructed more efficiently. Therefore, using analysis from the pumping well curves, and assuming generally homogeneous conditions for Site Well #1 and Site Well #2, we calculated the following aquifer Transmissivity using the following equation:

$T = 264 (Q) / \Delta s$

T = 264 (1.7gpm) / 1.0 feet (from Appendix D – pumping drawdown curve)

T = 444.36 g/ft/day = Aquifer Transmissivity for Site Well #1

and,

T = 264 (1.45gpm) / 16 feet (from Appendix D drawdown curve)

T = 23.93 g/ft/day = Aquifer Transmissivity for Site Well #2

Based on the relationship between T and Hydraulic Conductivity (K) we can calculate the aquifers K value using the following relationships and equations.

K = T / D (Aquifer Thickness)

K = 444.36 g/ft/day (transmissivity Site Well #1) / 10 ft (approx. Terrace saturated thickness) = **44.44 gpd/ft^2 = Aquifer Hydraulic Conductivity for Site Well #1**

K = 23.93 g/ft/day (transmissivity Site Well #2) / 136 ft (average Franciscan well screen) = **0.18 gpd/ft^2 = Aquifer Hydraulic Conductivity for Site Well #2**

5.5 STORATIVITY

Aquifer storativity (S) (also known as **storage coefficient**) is a dimensionless parameter that represents the amount of water an aquifer can store and release per unit area when subjected to changes in hydraulic head. Storativity helps in quantifying how much water can be stored in an aquifer, and it plays a key role in aquifer tests to estimate the size of the cone of depression, and to calculate drawdown over time. Storativity is typically calculated using the Theis equation. Therefore, to solve the Theis equation for S we relied on the calculated transmissivity from the pump drawdown curve, the pumping rates for each of the aquifer tests, and the drawdown data collected from the closest observation wells from each of the two Site Wells. For drawdown in the observation wells, we subtracted the pre-test drawdowns from the total measured drawdowns during the 72-hour well testing.

A discussion on the drawdown measured in the observation wells is presented in Section 4.2 of this Assessment Report.

Calculation of storativity for each aquifer is presented below.

Storativity Equation: $S = 4Tt/r^2 \cdot W^{-1}(4\pi Ts/Q)$

Where:

- **S** = storativity (dimensionless)
- **s** = drawdown (from observation well OB-1A and OB-2A)
- **T** = transmissivity (gpd/ft)
- **t** = time since pumping started (days)
- **r** = radial distance from the well (ft)
- **Q** = pumping rate (gpm)
- **u** = dimensionless time parameter, which is obtained from the inverse of the Theis well function

Site Well #1 Data

s = 0.41 feet (72-hr drawdown) – 0.19 feet (24-hour pre-test drawdown) = 0.22 feet
T = 444.36 gpd/ft
t = 3 days
r = 130 ft.
Q = 1.7 gpm
u = applied using the Theis Equation tool[1]

Storativity (S) = 0.0233 = Aquifer Storativity for Terrace Deposit Well (Site Well #1)

Site Well #2 Data

s = 0.51 feet (72-hour drawdown) – 0.1 feet (24-hour pre-test drawdown) = 0.41 feet
T = 23.93 g/ft/day
t = 3 days
r = 210 ft.
Q = 1.45 gpm
u = applied using the Theis Equation tool[1]

Storativity (S) = 0.0016 = Aquifer Storativity for Franciscan Complex Well (Site Well #2)

Since it was determined later in this assessment that the 3-day radius of pumping influence for Site Well #2 may have been less than the distance to the observation wells, future calculations involving storativity were assigned a value 0.01 for the Franciscan aquifer. This value is less than 50 percent of

[1] OSE Inverse Theis Calculator, New Mexico Office of the state Engineer, 2017.

the calculated storativity value (0.0358) for a well completed in the Franciscan bedrock just north of the property at 10940 Lansing Street[2]

5.6 RADIUS OF PUMPING INFLUENCE

To evaluate potential well pumping impacts to wells on other properties, the predicted lateral extent of pumping from the Site Wells were estimated. To develop the slope of the drawdown curve from the pumping well, the value of Δs (drawdown over one log graph cycle) was calculated for a distance-drawdown relationship, where T = 528 Q/Δs (Driscoll,1986, Equation 9.11)[3]. The analysis is shown in **Appendix E – Radius of Pumping Influence.**

As estimated, pumping Site Well #1 at 1.7 gpm, with a drawdown of 2.85-feet, and a transmissivity of 444.8 g/ft/day, indicates a zone of pumping influence extending only 32-feet from the well. For Site Well #2, the radius of pumping influence was graphed to be approximately 570-feet from the pumping well. However, the radius of pumping influence can also be calculated using the Theis Solution and solving for distance. Given the transmissivity, storativity, pumping rate, time, and drawdown of 0.01ft, we can solve for expected radius of influence from the pumping wells after 3-days. Results are show on **Table 4 – Radius of Pumping Influence**

TABLE 4 – RADIUS OF PUMPING INFLUENCE

Well ID	Pumping Rate	Radius of Pumping Influence (Graphical)	Radius of Pumping Influence (Theis Solution)
	gpm	-----feet-----	
Site Well #1	1.7	32	280
Site Well #2	1.45	570	136

The difference in the calculated radius of influence vs. the graphical method for the Terrace aquifer may be due to the well construction inefficiencies, the background interference, the fact that both wells were pumped simultaneously, and/or leaky aquifer conditions. The differences seen in the Franciscan aquifer may also be due to some of the same factors as well as the non-homogeneous nature of fractured bedrock aquifers. Regardless, the range of values shown indicates that there are no expected impacts to wells beyond 280 feet from Site Well #1 and 570 feet from Site Well #2.

5.7 WELL EFFICIENCY

Well efficiency is a measure of how effectively a well can deliver water compared to the theoretical or ideal performance of the aquifer. It is expressed as the ratio of the actual drawdown (what is measured in the aquifer near the well) to the observed drawdown (what is measured inside the well itself) during pumping. Well efficiency reflects how much of the drawdown is due to aquifer characteristics and how much is due to well-related factors such as well design, well screen, and well construction.

Pumping well efficiency could not be calculated for Site Well #1 or Site Well #2 since the observation wells showed only minimal drawdown that could not be completely attributed to the pumping wells

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[2] Hydrogeologic Study of 10940 Lansing Street, Mendocino Seaside Cottage, Mendocino, CA, Lawernce and Associates, January, 2020.
3 Groundwater and Wells, Second Edition, Fletcher G. Discoll, 1986, published by Johnson Division, St. Paul Minnesota, 1089p.

cone of depression. However, since Site Well #1 is a concrete ring well and these types of wells are designed as both a well and holding tank, they are generally considered to be very inefficient. For Site Well #2 well efficiency could also not be determined because the fractured bedrock aquifers in this area are not homogeneous and do not transmit water equally throughout the formation.

5.8 LONG TERM PUMPING AFFECTS

To calculate the predicted drawdown in the observation wells over a 3-day, 90-day and 180-day time period we used the Theis analysis[1]. To use this method, we relied on the previously estimated storativity value (0.01) for the Franciscan aquifer and 0.0233 for the Terrace aquifer, the calculated aquifer transmissivities, the distances and drawdowns measured in the observation wells (corrected for pre-test drawdowns), and the estimated pumping rates for each well. This was considered a conservative method, even after the measured drawdowns were adjusted for pre-test interference, since additional background interference was likely. Also, for this long-term assessment of drawdown, we used an estimated pumping rate of 0.68 gpm for Site Well #1, and a pumping rate of 0.58 gpm for Site Well # 2. These rates are 2.5 times less than the testing pump rates, respectively. Also, these are the maximum pumping rates that the property owner would be able to increase his allotment. The results of the calculations for each of the observation wells are tabulated below on **Table 5 – Predicted Drawdown Over Time**.

TABLE 5 – PREDICTED DRAWDOWN OVER TIME

Well ID	Distance to Pumped Well	Pumping Rate	Available Water Column	Drawdown at 3-days	Drawdown at 90-days	Drawdown at 180-days
	feet	gpm	-----feet-----			
OW-1A	130	0.68	8.0	0.088	0.603	0.723
OW-1B	255	0.68	10.95	0.007	0.375	0.491
OW-2A	210	0.58	64.65	0.0	2.03	3.50
OW-2B	298	0.58	112.45	0.0	0.909	2.02

MCCSD Ordinance No. 2021-01 defines no adverse effects as less than 10 percent drawdown in the observation wells. Therefore, no adverse effects to water levels in the near-site observation wells would be expected after 90 or 180-days of pumping the Site Wells #1 and #2 (as shown on **Table 5 – Predicted Drawdown Over Time**).

The difference in the 3-day calculated drawdown for the Terrace aquifer wells (OW-1A, OW-1B) and the actual measured drawdown further suggests that there were outside influences on the water levels at these locations. The same statement may also be true for the Franciscan aquifer wells as no predicted drawdown from 3-days of pumping was calculated.

6.0 CUMULATIVE IMPACTS

In order to evaluate the potential cumulative impacts to near-site wells we reviewed previous hydrology studies performed for properties proximate to the Site. These included: 1) 2006 Pacific Geoscience study of the Honer Property (Harvest Market) located at 10501 Lansing Street, 2) 1992 Lawerence and Associates study of the Graham Property (Pattersons Pub) located at 10485 Lansing Street, and 3) 1986 Consulting Engineers Services study of the Schmitt property located at 45020 Ukiah Street (See section 9.0-References). These three (3) hydrology studies represent the closest assessments to the subject property and had observation wells that could be considered to be within the long-term radius of influence of the Site Wells.

6.1 10501 LANSING STREET ASSESSMENT – HARVEST MARKET

This property is located on the east side of Lansing Street and adjacent to the subject Site. The property is developed as the Harvest Market and a hardware store and occupies three parcels (APN 119-150-44/45/46). The total water allotment for these parcels is 2,586 gpd which is equivalent to 2.9 acre-feet/year. Two (2) wells are located at this site with one being a shallow Terrace Deposit well and the other being a deeper Franciscan aquifer well. Both wells were pumped simultaneously during the 2006 hydrologic study for Harvest Market. The Terrace Deposit well (HP-1) is approximately 300 feet from Site Well #1 and the Franciscan aquifer well (HP-2) is approximately 295 feet from Site Well #2. Both these wells are considered to be outside the 3-day radius of pumping influence for the Site Wells. In addition, Site Well#1 was operating normally during the 2006 testing at 0.42 gpm, and Site Well #2 had not yet been installed.

The Harvest Market study documented a Franciscan aquifer well (Graham Well) located at 10485 Lansing Street (Patterson's Pub). It was estimated that this well would have up to 12.84 feet of drawdown after 180 days of pumping the Harvest Market well HP-2. The "Graham Well" is located approximately 295 feet southeast of Site Well #2 and likely screened within the same aquifer. Based on the well's distance and aquifer characteristics, we calculated that pumping Site Well #2 at 0.58 gpm for 180 days would create a drawdown of approximately 2.06 feet in the Graham Well. If we add this drawdown to the drawdown created from the Harvest Market well, we get a total drawdown of 14.9 feet, the available drawdown in the Graham Well was 15.5 feet. Therefore, no adverse cumulative effects at the Graham Well from the proposed pumping of Site Well #2 would be expected. The Harvest Market observation wells, and their predicted cumulative drawdowns are shown on **Table 6 – Cumulative Aquifer Effects.**

The closest reliable Terrace Deposit well monitored during the Harvest Market assessment was located at APN: 119-150-36 (Devall Well) which was 347 feet from the Terrace Deposit Harvest Market pumping well (HP-1) and 625 feet east of Site Well #1. The Harvest Market study indicated that after 180 days of pumping, drawdown in the Devall Well would be 1.09 feet. To evaluate the cumulative effects on the Devall well from pumping Site Well #1, we only need to include the proposed increase to the Site Well #1 pumping rate (0.26 gpm). Therefore, based on this pumping rate, the distance to the well (625 feet), and the aquifer characteristics, pumping Site Well #1 for 180 days would not create a cumulative drawdown of greater than 10% in the Devall Well, (as shown on **Table 6 – Cumulative Aquifer Effects).**

6.2 10485 LANSING STREET ASSESSMENT – PATTERSON'S PUB

This site is located on the east side of Lansing Street and southeast of the subject Site. The property is developed as Patterson's Pub and Restaurant and consists of one parcel (APN 119-150-06). The total water allotment for this site is 1,500 gpd which is equivalent to 1.68 acre-feet/year. Two (2) wells are located at this property with one being a shallow Terrace Deposit well and the other being a deeper Franciscan aquifer well. Only the Franciscan well was tested as part of the 1992 Lawerence and Associates hydrology study at this property, however only shallow Terrace Depost well were used for observation. The onsite Terrace Deposit well (Graham Well) was used for observation and a second offsite Terrace Deposit well (Niebel Well) was also used during this hydrogeological study. The Graham Well is approximately 340 feet from Site Well #1, and the Nieble observation well is approximately 450 feet from Site Well #1.

The 10485 Lansing Street study concluded that the 180-day radius of pumping influence for their Franciscan well was only 162 feet, which is less than the distance between the Site Well #2 and any of the observation wells used in the study. Therefore, cumulative interference from pumping Site Well #2 was not considered for the Patterson Pub wells. However, pumping from the Site Well #1 at the potential increased rate of 0.26 gpm was modeled using the Theis solution to determine the potential cumulative effects on both the Graham Observation well and the Nieble Observation well. The results indicate that less than 10% drawdown of the available water column would occur from the proposed increased pumping of Site Well #1, as shown on **Table 6 – Cumulative Aquifer Impacts**.

The Franciscan aquifer well at this property was also later used as a monitoring well (Graham Well) for the 2006 Harvest Market Assessment discussed above, and the cumulative effects on the Franciscan Graham Well, from pumping Harvest Market well, and the Site Well #2, were calculated using the Theis solution and are presented on **Table 6 – Cumulative Aquifer Impacts**.

6.3 45020 UKIAH STREET ASSESSMENT – SCHMIDT PROPERTY

The Franciscan aquifer well at the Schmidt site is located on the north side of Ukiah Street and approximately 353 feet from Site Well #1 and 402 feet from Site Well #2. The 1986 Consulting Engineers Services study at the Scmidt property was performed to allow for a property subdivision and subsequent development of four residential parcels. A total allotment of 2,880 gallons/day which is equivalent to 3.23 acre-feet/year, was determined to be usable without causing adverse effects to the monitored observation wells. In 2017, the Schimdt property hydrology report was re-evaluated for cumulative effects by Lawrence and Associates, using additional data from subsequent hydrology studies performed in the area. A table representing the cumulative effects of 180-days of pumping was created by Lawrence and Associates[4] which included the 2006 Harvest Market Study, the 1992 Graham Study, as well as others. Data from that table, along with the calculated drawdown expected from pumping of the Site Wells is tabulated on **Table 6 – Cumulative Aquifer Impacts.**

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[4] Memorandum, Schmitt Groundwater Extraction Permit Application consideration based on Lawrence & Associates Review of 1986 Hydrological Study for 45020 Ukiah Street, Figure 11.

TABLE 6 – CUMULATIVE AQUIFER IMPACTS

Well ID	Distance to Site Well #1/ Site Well #2	Well Depth	Depth to Water on Test Date	Water Column	180-day Predicted Interference from Initial Well study	180-day Predicted interference from 2024 Site Study	180-day Interference from other Assessments 180-days***	Total Predicted Cumulative Interference 180-days	Total Predicted Effect
	Feet								%
1986 Study, 45020 Ukiah Street – Schmidt Property									
Post Office Well (Franciscan)	490 ft to Site Well #2	160	15.3	144.7	0.91	0.28	1.2*	2.39	1.65%
1992 Study, 10485 Lansing Street - Graham Property									
Graham Well (Terrace)	340 ft to Site Well #1	20.9	10.41	10.49	0.894	0.15	NA	1.045	9.96%
Niebel Well (Terrace)	450 ft. to Site Well #1	14.35	10.68	3.74	0.204	0.116	NA	0.32	8.56%
2006 Study, 10501 Lansing Street – Harvest Market									
Calby Well (Terrace)	445 ft to Site Well #1	16.85	10.5	6.35	3.05**	0.118	NA	3.23	49.88%
Graham Well (Franciscan)	240 ft. to Site Well #2	200	45.21	154.79	12.84	2.06	NA	14.9	9.63%
Devall Well (Franciscan)	550 ft. to Site Well #2	130	15.83	114.17	1.09	0.37	0	1.46	1.28%

*Drawdown calculated from 1986 study and 2017 review of 45081 Calpella Street Assessment.
**180-day drawdown considered invalid by Pacific Geoscience and was not used during final assessment.
***Drawdown calculated from Figure 11 on 2017 memo from Lawrence and associates review of the 1986 Scmidt hydrology assessment.

The cumulative aquifer impact analysis indicates that the pumping at the Site Wells will only have a minimal impact on the overall well drawdowns from previous observation wells.

The Terrace Deposit Calby well, was originally calculated to have a 48% decline in water levels after 180-days of pumping. However, the Harvest Market Report stated that the predicted drawdown in the Calby well was an over-estimation when compared with annual average declines, and was also due to its ring well construction. Therefore, the Calby well data was considered invalid and was not used in the final Harvest Market assessment. An addition of 0.118 feet of drawdown at the Calby well, was calculated from pumping the Site Well #1 at the increased rate of 0.26 gpm for 180-days. This results in only 1.86 % drawdown in the Calby well, and therefore is considered to have no adverse impacts from pumping Site Well #1.

The predicted cumulative impacts to the deeper Franciscan aquifer wells that were previously monitored in other studies do not indicate that any adverse effects would occur from pumping Site Well #2 at 0.58 gpm.

7.0 WATER BALANCE INFORMATION

USGS and DWR studies that included Mendocino area provided water balance information that was used to assess groundwater sustainability within the subject site area.

7.1 GROUNDWATER STORAGE

HES used well log information from the surrounding shallow wells to estimate the aquifer thickness beneath the Site. The average saturated thickness of the Terrace Deposit aquifer was estimated at 10-ft, and the average screen interval for the near site Franciscan wells was 136 ft. Using the previously calculated storativity value of 0.0233 for the Terrace Deposit Aquifer and the estimated storativity value of 0.01 for the Franciscan Aquifer we have estimated the aquifer storage beneath the Site as follows:

Terrace Deposit Aquifer

Aquifer Thickness (10 feet) x Storativity (0.0233) x Site Area (0.38-acres) = 0.08854 acre-ft
0.08854 acre-ft x 325,851 gallons/acre foot =
Aquifer Storage = 28,851 gallons

Franciscan Aquifer

Aquifer Thickness (136 feet) x Storativity (0.01) x Site Area (0.38-acres) = 0.51688 acre-ft
0.53618 acre-ft x 325,851 gallons/acre-foot =
Aquifer Storage = 168,400 gallons

7.2 PRECIPITATION

Precipitation, primarily as rainfall and stream flow are the major sources of inflow to the aquifers in this area. Average precipitation in Mendocino is 40.33 inches/year (3.36 feet/year) which is equivalent to 1.28 acre-feet over the entire Site (3.36 feet. x 0.38-acre).

7.3 GROUNDWATER RECHARGE

Recharge to aquifers in the Subbasin primarily occurs through direct infiltration of precipitation and along the margins of the valley areas (mountain front recharge). The shallow aquifer system receives most of this recharge. Recharge that reaches the deeper aquifer zones is more poorly defined and likely comes from a combination of leakage from overlying shallow aquifers and mountain front recharge along the margins of the basin.

To estimate the groundwater recharge within the Site, HES first assumed that the recharge to the aquifer is primarily through rainfall and that most of the rainfall accumulated within the 0.38-acre parcel drains to recharge areas onsite or proximate to the Site. Therefore, the annual recharge to the Site can be initially estimated using the following data and equation.

Estimated groundwater recharge from rainfall 0.38 acres x 3.36 feet =
1.28 acre-feet (416,047 gallons/year)

However, this estimate does not account for surface run-off, and evapo-transpiration that occurs in all watersheds. To further evaluate the percentage of rainfall that contributes to recharge of the aquifer HES reviewed previous studies performed in the area[5]. The general consensus is that on average 1-foot of rainfall (~30% of annual rainfall) recharges the aquifers in the vicinity of the Site. With this estimation and the precipitation data presented above, we can re-calculate the groundwater recharge as follows.

0.38-acres x 3.36 feet (annual precipitation) x
0.30 (long term average for recharge) =
0.38 acre-feet = Estimated Annual Aquifer Recharge

Water pumped from the Site wells (or any well), however, does not come wholly from storage. Some will be derived from groundwater moving through the aquifer.

Groundwater inflow can be estimated using Darcy's equation:

$$Q = KiA$$

Where:

K = 0.18 g/ft^2/day, average for Franciscan aquifer; 44.44 g/ft^2/day for Terrace Deposit Aquifer
i = Groundwater gradient; Franciscan Aquifer 0.04 feet/foot[6] and Terrace Deposit Aquifer = 0.03[7]
A = Cross sectional area of flow;
~160-feet x 136-foot saturated thickness of Franciscan aquifer = 21,760 ft^2
~160 feet x 10 feet saturated thickness for Terrace Deposit aquifer = 1,600 ft^2

Using the above assumptions, the lateral flow of groundwater in the Terrace Deposit aquifer through the Site over an annual basis is presented below.

44.44 gpd/ft^2 (K) x 0.03 (*i*) x 1,600 ft^2 (A) = **2,133 gallons/day = Lateral Flow Rate (Q)**

Annual Flow of Groundwater through Terrace Deposit Aquifer can be calculated as

2,133 gallons/day x 365 days/year = **778,589 gallons/year (2.39 acre-ft/year)**

Using the above assumptions, the lateral flow of groundwater in the Franciscan aquifer over an annual basis is presented below.

0.18 gpd/ft^2(K) × 0.04 (*i*) × 21,760 ft^2 (A) = **156.67 gallons/day = Lateral Flow Rate (Q)**

Annual Flow of Groundwater through Franciscan Aquifer can be calculated as

156.67 gallons/day x 365 days/year = **57,185 gallons/year (0.18 acre-feet year)**

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[5]Hantzsche, N.H., 2002, Hydrological Study for Parcel # 119-150-33 44720 Main Street, Mendocino. Questa Engineering Corp. Santa Rosa, California (page 11).

[6] Hydrogeologic Study of 10940 Lansing Street, Mendocino Seaside Cottage, Mendocino, CA, Lawernce and Associates, January, 2020.

[7] EBA Engineering, Third Quarter 2022 Groundwater Monitoring and Sampling Report 44901 Main Street, Mendocino, CA, October 30, 2022.

Therefore, on an annual basis the total available groundwater is calculated below.

Onsite Aquifer Water Availability:

0.38 acre-feet/year (direct recharge) + 2.39 acre-feet/year (lateral flow through Terrace deposits) + 0.18 acre-feet/year (lateral flow through Franciscan Aquifer) =
2.95 acre-feet/year (1.82 gpm)

Since both wells will be pumped together at the Site and the overlying Terrace Deposit aquifer is considered to be leaky, the annual recharge to the Site aquifers over time can be considered as combined. This indicates that during an average year the total annual sustainable pumping rate is 1.82 gpm (2.95 acre-feet/year) and the proposed Site pumping rate is only 1.26 gpm or 70% of the estimated recharge rate. The MCCSD and Mendocino County proof of adequate water supply rate requirement is 70% of the estimated recharge rate, which is consistent with a reasonable maximum recovery rate of groundwater recharge during non-drought conditions.

7.3.1 Drought Conditions

Potential drought conditions in California could alter the recharge potential presented in this assessment. To account for drought conditions, we have assumed that the rainfall would only be 60% of average which would correlate to only 60% of average recharge to aquifers in the area and only 60% aquifer flow through. Using these assumptions, we can re-calculate the aquifer recharge potential in a drought year using the following equation.

3.36 feet/year (average rainfall) x 0.6 (drought year multiplier) x 0.38-acre (Site area) x 0.3 (long term recharge rate for aquifers) =
0.23 acre-feet/year = Annual Recharge during Drought Conditions

And,

2.39 acre-feet/yr (Terrace Deposit aquifer flow) + 0.18 acre-feet/yr (Franciscan aquifer flow) x 0.6 (drought year multiplier) =
1.54 acre-feet/year = Annual Terrace and Franciscan Aquifer Flow During Drought

So,

0.23 acre-feet/yr (direct recharge during drought) + 1.54 acre-feet/year (drought -aquifer flow) =
1.77 acre-feet/year (1.1 gpm) = Annual Groundwater Available During Drought

- This drought water balance assessment indicates that a maximum sustainable groundwater withdraw during drought years is 1.77 acre-feet/year (1.1gpm). The Site pumping rate is proposing to increase to 1.26 gpm which is less than the average annual aquifer recharge rate (1.82 gpm) but greater than the estimated annual drought recharge rate. However, applying the same 70% recharge requirement discussed above, the estimated pumping rate during severe drought conditions would be approximately 0.77 gpm, which is consistent with the mandatory reduction during a stage 4 drought. Any proposed future development would have to comply with the County's Drought Contingency Plan which would require mandatory reductions of 40% (stage 4). Given these curtailment requirements, the Sites annual withdraw during a severe drought would be limited to 0.76 gpm (1.26 gpm x 0.6). Therefore, the proposed withdraw of 1.26 gpm would be sustainable during a drought, as long as the mandatory groundwater use reductions are met.

8.0 CONCLUSIONS

Currently, the Site has a water allotment of 600 gallons/day, or 0.42 gpm from the Site's Terrace Deposit well. The 72-hour well yield test performed on both Site wells simultaneously determined a combined sustainable pumping rate of 3.15 gpm. The Terrace Deposit Well (Site Well #1) produced 1.7 gpm and the Franciscan well (Site Well #2) produced 1.45 gpm. These well production rates were achieved without causing adverse effects on nearby observation wells, and with well recovery between 94 - 99% occurring within 24 -hours. Conclusions of this assessment are as follows:

- Based on the aquifer test results and the MCCSD ordinance, a combined pumping rate of 1.26 gpm would be the maximum rate allowed (3.15 gpm/2.5 = 1.26 gpm). Therefore, we used this rate 0.68 gpm (Site Well #1) and 0.58 gpm (Site Well #2) to model the 90 and 180-day drawdown effects using the Theis solution. The results showed that the predicted drawdowns were less than 10% for both the Terrace Deposit observation wells (OW-1A, OW-1B) and the Franciscan aquifers wells (OW-2A, OW-2B). Therefore, pumping Site Well #1 at 0.68 gpm (979 gallons/day) and Site Well #2 at 0.58 gpm (835 gallons/day) for a combined pumping rate of 1.26 gpm (1,814 gallons/day) is not expected to create long term adverse effects or unsustainable groundwater demand in the area.

- A cumulative effects analysis determined that the proposed increased pumping rate in Site Well #1 (0.26 gpm) and Site Well #2 (0.58 gpm) would not have adverse effects on the historically monitored Terrace Deposit or Franciscan aquifer observation wells.

- A water balance assessment prepared for the Site shows that the aquifers at the Site have an average annual recharge and aquifer flow of up to 2.95 acre-feet/year (1.82 gpm). Therefore, there appears to be sufficient annual recharge and flow through the aquifers during average rainfall conditions, to allow for the total allotment of 1.26 gpm annually (70% of aquifer recharge).

- During severe drought conditions the annual aquifer recharge is estimated at 1.77 acre-feet/year or 1.1 gpm. This indicates that the during drought conditions the Sites proposed demand of 1.26 gpm would not be not be supported by the aquifer recharge. However, any proposed future development of the Site would have to comply with the County's Drought Contingency Plan, and that would limit the Sites annual withdraw to 0.76 gpm (1.26 gpm x 60%). The County mandated water use reductions would result in compliance with the 70% of aquifer recharge requirement.

- The intent of the property owner to increase the parcels groundwater allotment would need to meet the requirements of the MCCSD Ordinance 2020-1 part 11, which states that the allotment shall be based on the size, and type of district approved development on the parcel. Since no new land use, is currently requested, there can be no increase to the Sites annual allotment at this time. However, any proposed future development of the parcel should consider 1.26 gpm as the Sites maximum average sustainable withdraw, and given the requirements of the County's Drought Contingency Plan, 0.76 gpm would be the maximum withdraw during severe drought conditions.

In summary:

0.42 gpm (600 gallons/day)	Current Site Water Allotment
0.68 gpm (979 gallons/day)	Maximum Recommended Water Allotment from Site Well #1
0.58 gpm (835 gallons/day)	Maximum Recommended Water Allotment from Site Well #2
1.26 gpm (1,814 gallons/day)	Maximum Recommended Water Allotment from both Site Wells
1.82 gpm or 2,621 gallons/day	Estimated Average Recharge from Both Aquifers
1.1 gpm or 1,580 gallons/day	Estimated Average Recharge During Severe Drought Conditions

While groundwater overdraft is a potential future concern for the area, the findings of this report indicate that pumping and groundwater extraction at the Site Wells, at the recommended rates, is not likely to create adverse conditions in near site wells, and based on existing conditions in the vicinity, would be sustainable for the foreseeable future.

9.0 REFERENCES

- Groundwater and Wells, Second Edition, Fletcher G. Discoll, 1986, published by Johnson Division, St. Paul Minnesota, 1089p.

- Pacific Geoscience, Hydrogeologic Study - 10501 Lansing Street, Mendocino, California, APNs: 119-150-02,03,04,05, November 2006.

- Lawerence and Associates, Proof-of-Water Testing and Hydrogeologic Study of the Property of Anthony Graham located at 10485 Lansing Street, December 9, 1992.

- Consulting Engineers Services, Hydrogeologic Study Bank of America Property 45020 Ukiah Street, Mendocino, California APN: 119-234-01, October, 1986.

- Questa Engineering Corp, Hydrological Study for Parcel # 119-150-33 44720 Main Street, Mendocino, California, 2002.

- Lawerence and Associates, Hydrogeologic Study of 10940 Lansing Street, Mendocino Seaside Cottage, Mendocino, CA, January, 2020.

- EBA Engineering, Third Quarter 2022 Groundwater Monitoring and Sampling Report 44901 Main Street, Mendocino, CA, October 30, 2022.

- Lawerence and Associates, Memorandum, Schmitt Groundwater Extraction Permit Application consideration based on Review of 1986 Hydrological Study for 45020 Ukiah Street, 2017.

- New Mexico Office of the State Engineer, OSE Inverse Theis Calculator, 2017.

- California's Groundwater Bulletin 118, Fort Bragg Terrace Area Groundwater Basin, February 27, 2004.

- California Department of Water Resources and Mendocino County, Groundwater Resources in Mendocino County, CA, 1986.

10.0 LIMITATIONS

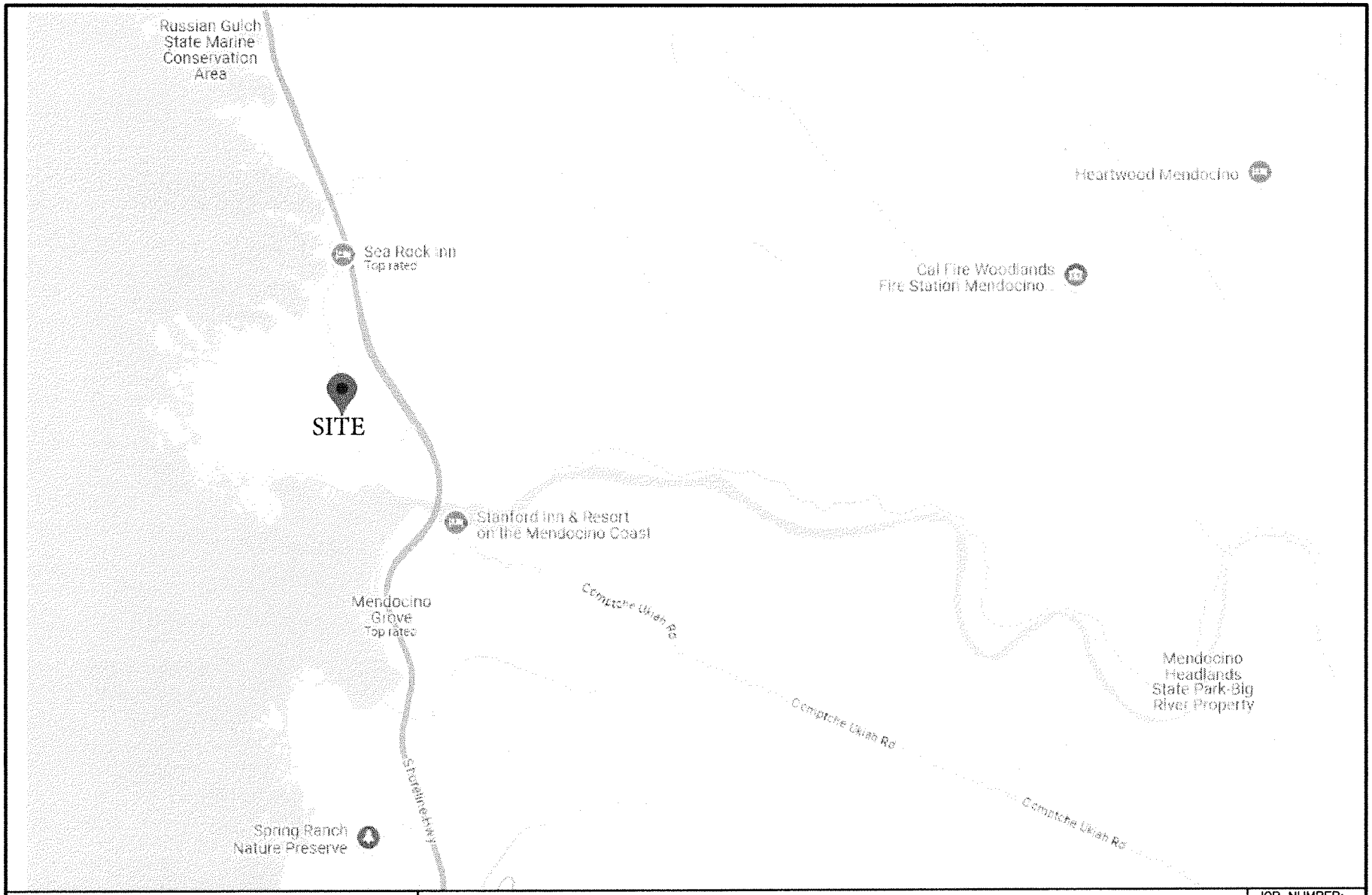
HES is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, field exploration, laboratory test data, calculations, and interpretations presented in this report.

Groundwater systems of Coastal California are typically complex, and available data rarely allows for more than general assessment of groundwater conditions and delineation of aquifers. Hydrogeologic interpretations are based on well tests, and drillers' reports made available to us through the California Department of Water Resources, available geologic maps, near-site hydrogeologic studies and professional judgment. This analysis is based on limited available data and relies significantly on interpretation of data from disparate sources of disparate quality.

It should be noted that hydro-geological assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. This report does not warrant against future operations or conditions, nor does this warrant operations or conditions present of a type or at a location not investigated.

This study is not intended to assess if any soil contamination, waste emplacement, or groundwater contamination exists by subsurface sampling through the completion of soil borings and the installation of monitoring wells. The scope of work, determined by the client, did not include these activities.

This Report is for the exclusive use of Mr. Ishvi Aum, and his authorized affiliates, designates and assignees and no other party shall have any right to rely on any service provided by Hurvitz Environmental Services without prior written consent.



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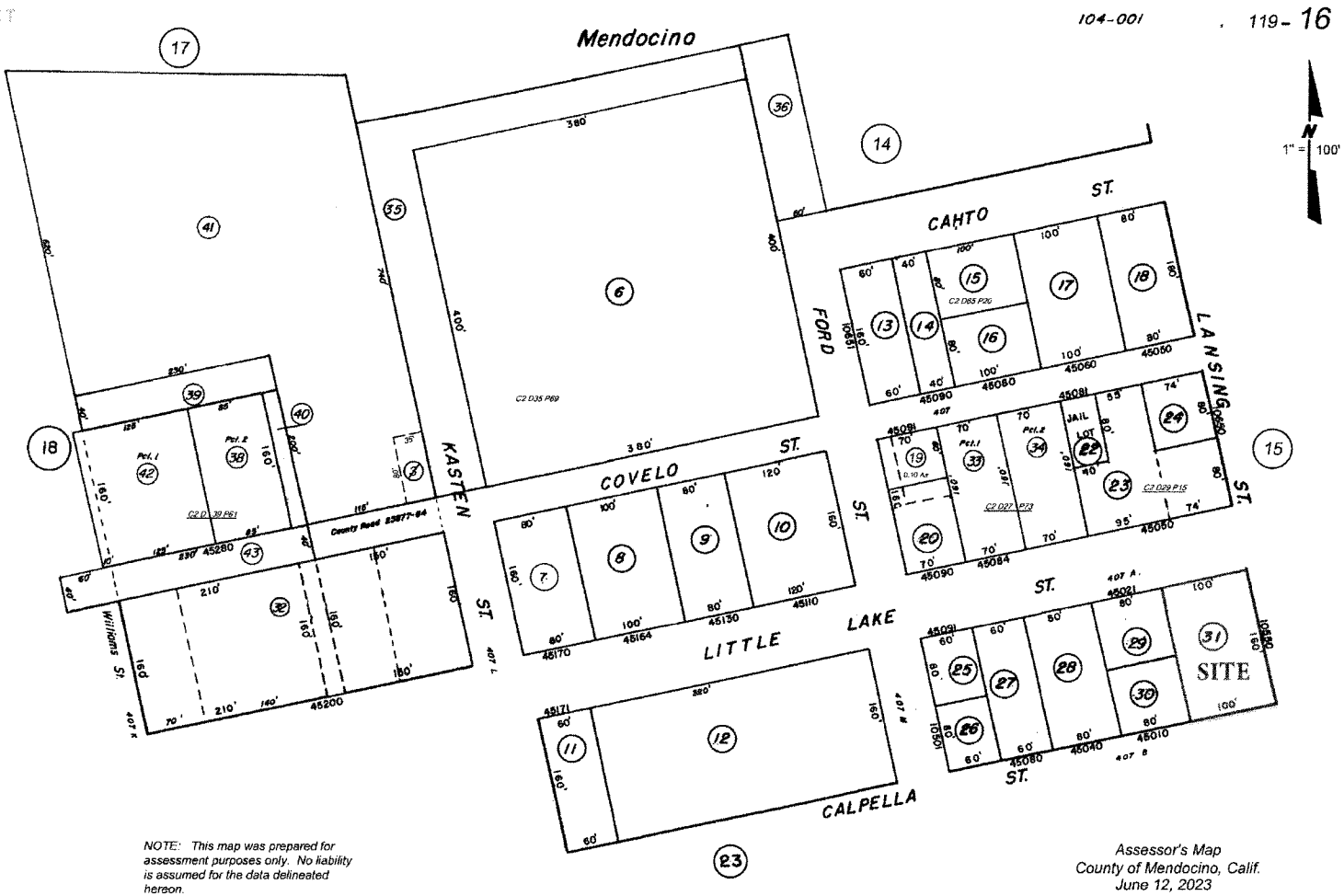
105 MORRIS ST, STE 188
SEBASTOPOL, CA 95472
PH: 707.824.1690
FX: 707.824.2675
HURVITZ.ENVIRONMENTAL@GMAIL.COM
CA PG# 7573

Site Location Map

10550 Lansing Street
Mendocino, CA 95460

JOB NUMBER: **5266.01**
DATE: **09/30/24**
PLATE: **1**



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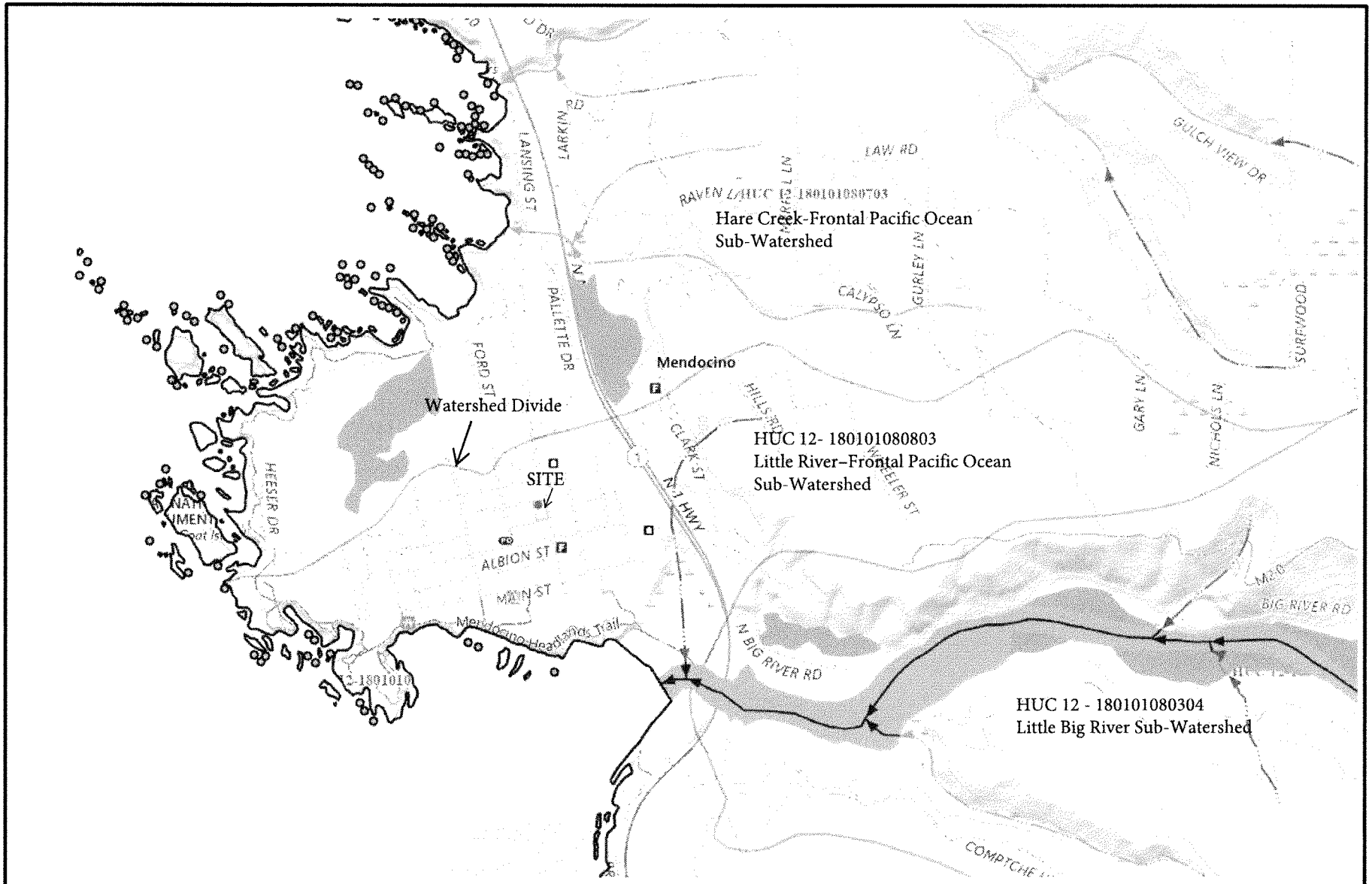
CA PG# 7573

Assessors' Parcel Map

10550 Lansing Street
Mendocino, CA 95460

JOB NUMBER: 5266.01
DATE: 09/30/24
PLATE: 2



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Topographic Map
10550 Lansing Street
Mendocino, CA 95460

JOB NUMBER: 5266.01
DATE: 09/30/24
PLATE: 3

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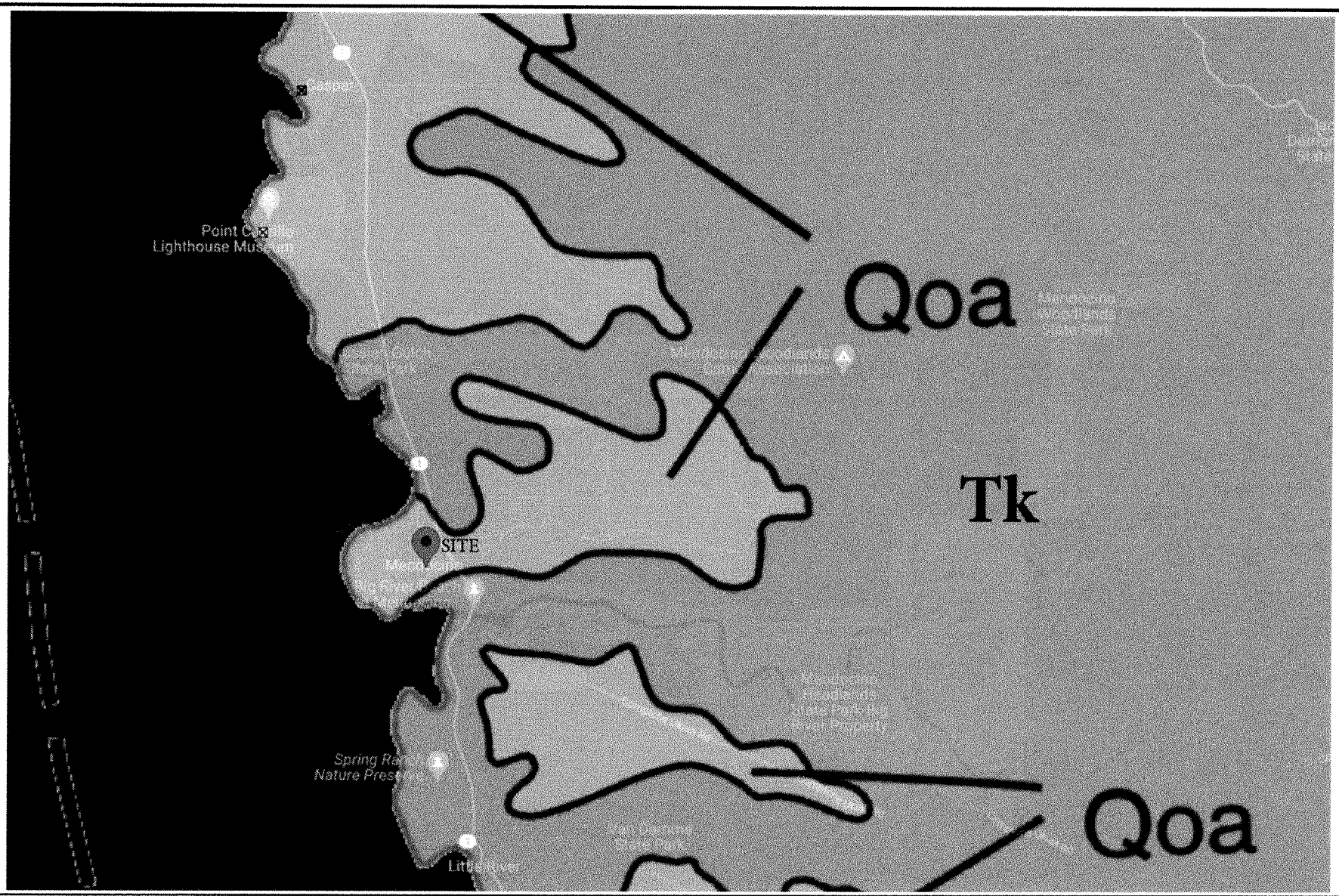
CA PG# 7573

Site Plan - Well Locations

10550 Lansing Street
Mendocino, CA 95460

JOB NUMBER: 5266.01
DATE: 09/30/24
PLATE: 4



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HURVITZ.ENVIRONMENTAL@GMAIL.COM
CA PG# 7573

Geologic Map
10550 Lansing Street
Mendocino, CA 95460

JOB NUMBER: **5266.01**
DATE: **09/30/24**
PLATE: **5**

APPENDIX A
PHOTOGRAPHIC LOG

SITE PHOTOGRAPHS

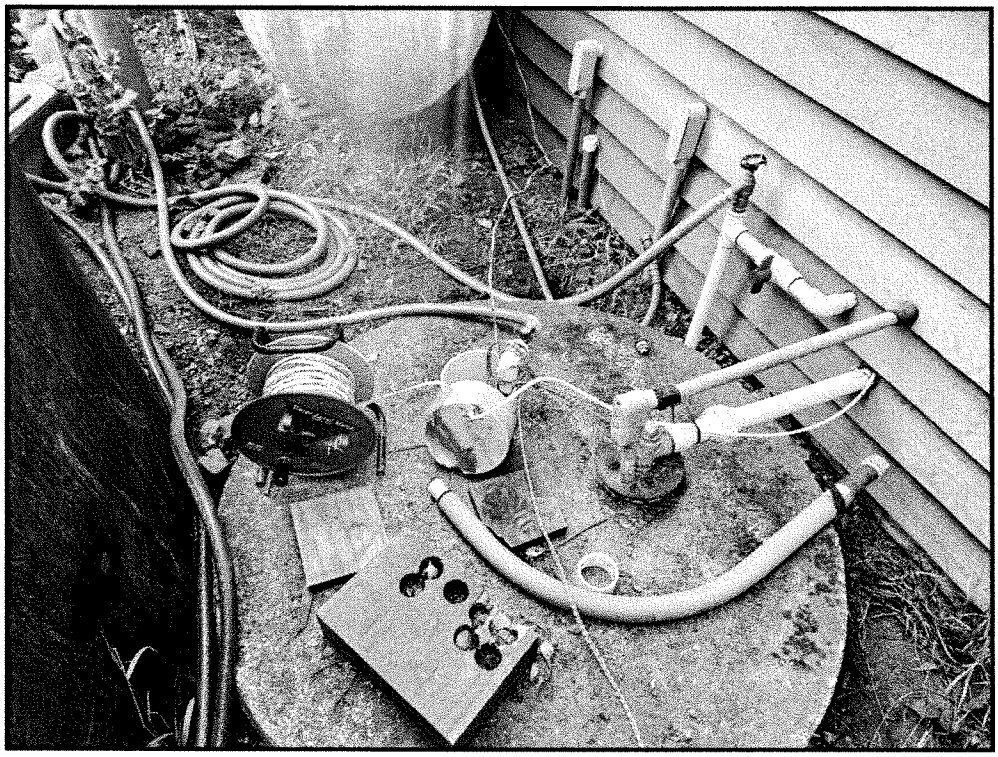


Photo 1: View of Site Well #1.

Photo 2: View of Site Well #2

SITE PHOTOGRAPHS

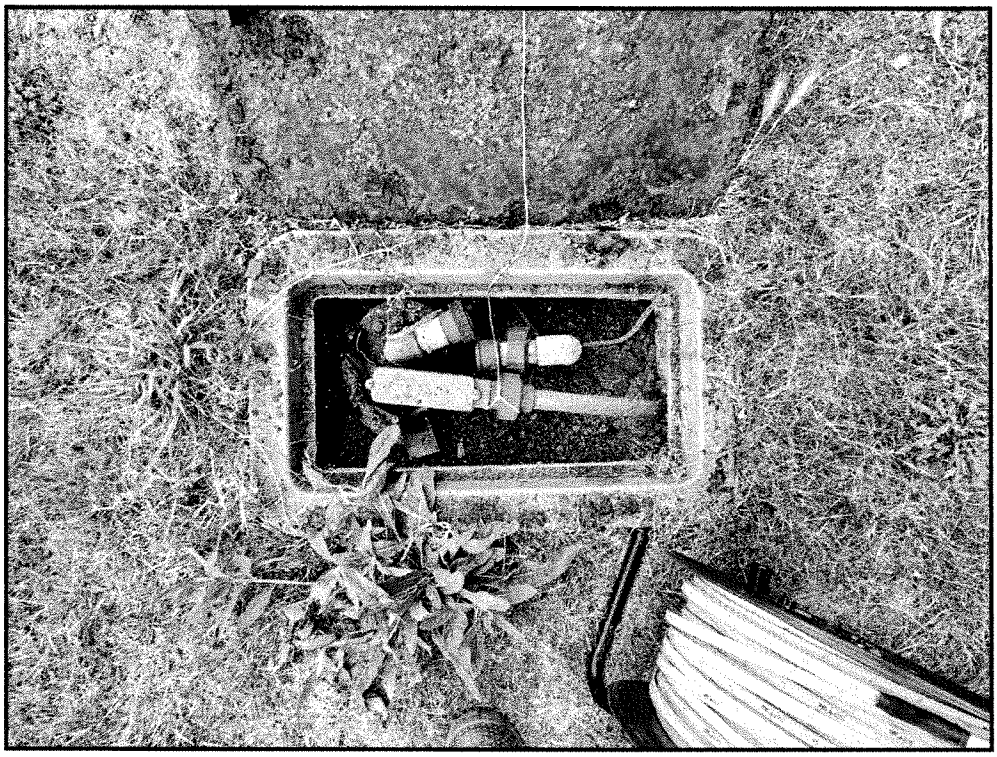


Photo 3: View of Observation Well OW-2B.

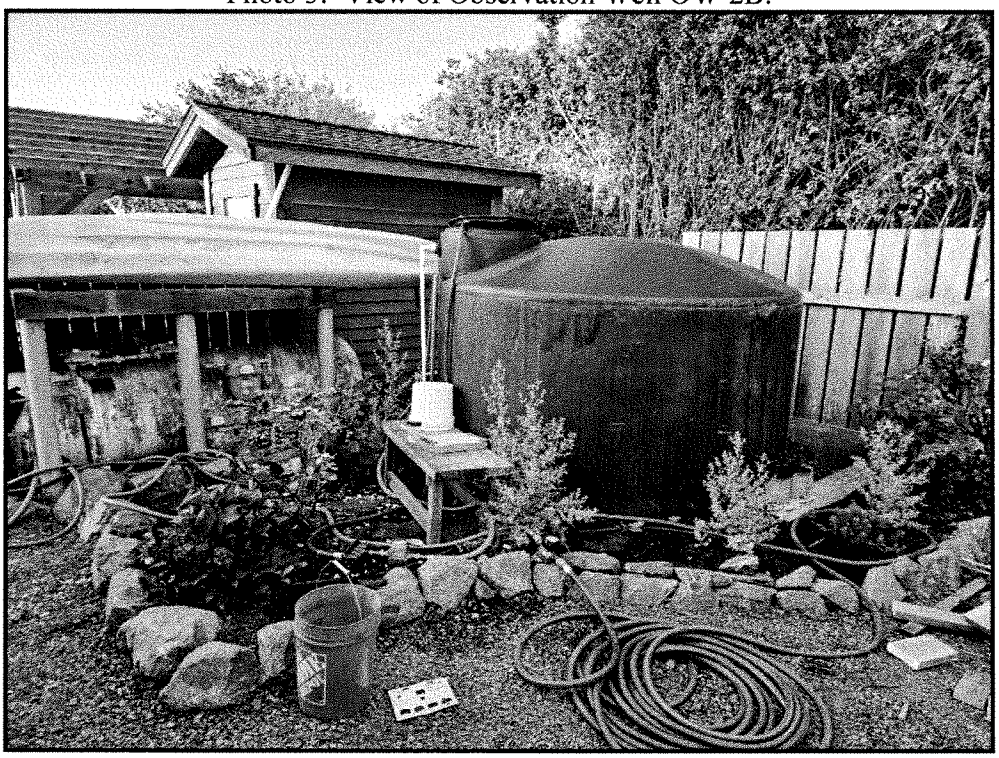


Photo 4: View of the well yield test during operation.

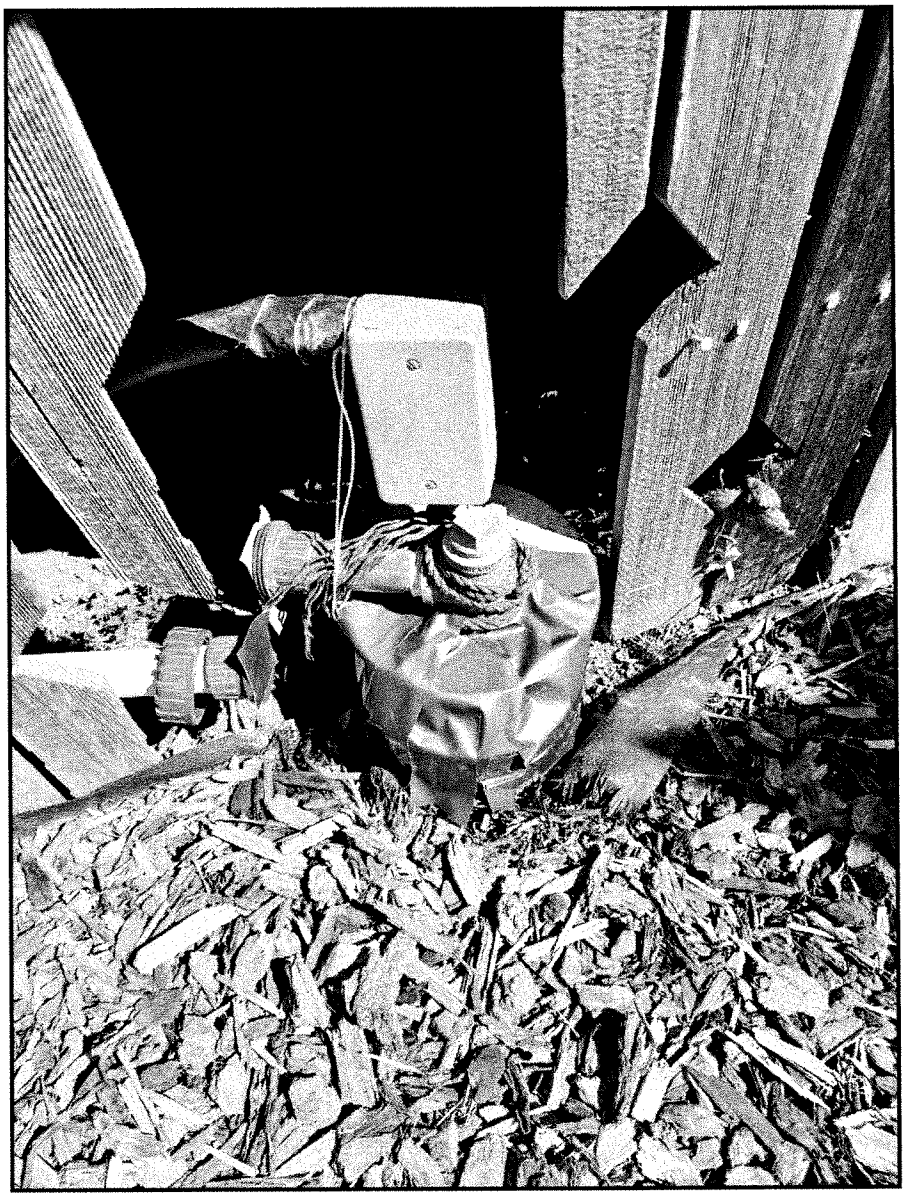


Photo 5: View of Observation Well OW-2A.

SITE PHOTOGRAPHS

Photo 6: View of Observation Well OW-1A

APPENDIX B
PROOF OF PUBLICATION

Mendocino City Community Services District
Post Office Box 1029
Mendocino, California 95460
Business Phone (707) 937-5790

NOTICE OF AQUIFER TEST

Property Owner	Ishvi Aum
Site Address	10550 Lansing Street
Assessor Parcel	119-160-31
Contact Person	Ishvi Aum (707) 813-7624
Mailing Address	PO Box 1033, Mendocino, CA 95460
Purpose of Test	To prove adequate groundwater for new development

NOTICE IS HEREBY GIVEN THAT AN AQUIFER TEST WILL BE CONDUCTED

ON TUESDAY, AUGUST 20, 2024 BEGINNING AT 8:00 AM

For the purpose of testing water quantity and observing any impacts resulting from groundwater extraction during the test. This test shall continue for a period of 72-hours from the time the test is begun. If you notice any change in your well level or any other condition that indicates that your well is being affected by this test, you should immediately notify:

Mendocino City Community Services District
P. O. Box 1029, 10500 Kelly St., Mendocino, CA 95460

Tel. # (707) 937-5790

If this notice is being mailed to you, your property is considered hydrologically contiguous to the test site, and you may request that your well be included in the monitoring process. Surrounding property owners who feel that their wells may be hydrologically contiguous may request that their wells be included in the monitoring process. Such requests shall be made to the District at least 72-hours prior to the pump test. The person conducting the aquifer test will pay for any expense related to this monitoring.

NOTICE OF AQUIFER TEST

Property Owner: Ishvi Aum
Site Address: 10550 Lansing Street, Mendocino, CA 95460
Assessor Parcel Number: 119-160-31
Contact person: Ishvi Aum
Mailing Address: PO Box 1033, Mendocino, CA 95460
Telephone: 707-813-7624
Purpose of test: To prove adequate groundwater for new development.
NOTICE IS HEREBY GIVEN THAT AN AQUIFER TEST WILL BE CONDUCTED ON **AUGUST 20, 2024,** BEGINNING AT 8:00 AM for the purpose of testing water quantity and observing any impacts resulting from groundwater extraction during the test. This test shall continue for a period of 72- hours from the time the test is begun. If you notice any change in your well level or any other condition that indicates that your well is being affected by this test, you should immediately notify:
Mendocino City Community Services District, P.O. Box 1029, 10500 Kelly St., Mendocino, CA 95460
Tel# 707-937-5790
Publish: July 25, 2024

APPENDIX C
WELL COMPLETION REPORTS

State of California

Well Completion Report

Form DWR 188 Auto-Completed 11/27/2023

WCR2023-010668

Owner's Well Number: 2 | Date Work Began: 09/19/2023 | Date Work Ended: 09/25/2023

Local Permit Agency: Environmental Health Division - Fort Bragg Office

Secondary Permit Agency: Planning & Building CE | Permit Number: 5398 | Permit Date: 07/14/2023

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: XXXXXXXXXXXXXXXXXXX

Mailing Address: XXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXX

City: XXXXXXXXXXXXXXXXXXX | State: XX | Zip: XXXXX

Planned Use and Activity

Activity: New Well

Planned Use: Water Supply Domestic

Well Location

Address: 10550 Lansing ST

City: Mendocino | Zip: 95460 | County: Mendocino

Latitude: 39 Deg. 18 Min. 26.1863 Sec. N | Longitude: -123 Deg. 47 Min. 56.3856 Sec. W

Dec. Lat.: 39.307274 | Dec. Long.: -123.798996

Vertical Datum: | Horizontal Datum: WGS84

Location Accuracy: 20 Ft | Location Determination Method: GPS

APN: 119-160-31

Township: 17 N

Range: 17 W

Section: 30

Baseline Meridian: Mount Diablo

Ground Surface Elevation:

Elevation Accuracy:

Elevation Determination Method:

Borehole Information

Orientation: Vertical | Specify:

Drilling Method: Direct Rotary | Drilling Fluid: Bentonite

Total Depth of Boring: 245 Feet

Total Depth of Completed Well: 245 Feet

Water Level and Yield of Completed Well

Depth to first water: 10 (Feet below surface)

Depth to Static Water Level: 25 (Feet) | Date Measured: 09/21/2023

Estimated Yield*: 2 (GPM) | Test Type: Air Lift

Test Length: 1 (Hours) | Total Drawdown: 220 (feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface Feet to Feet		Description
0	8	Black top soil
8	10	Brown sandy clay
10	12	Wet beach sand
12	25	Brown sand
25	27	Sandstone
27	30	Fractured shale
30	35	Sandstone
35	65	Shale
65	85	Sandstone little quartz
85	105	Sandstone/quartz H2O
105	145	Sandstone/quartz
145	160	Sandstone little quartz
160	165	Shale
165	185	Sandstone/quartz little shale

185	245	Sandstone/quartz

Casings

Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	25	Blank	PVC	OD: 5.563 in. I SDR: 21 I Thickness: 0.265 in.	0.265	5.563			
1	25	245	Screen	PVC	OD: 5.563 in. I SDR: 21 I Thickness: 0.265 in.	0.265	5.563	Milled Slots	0.032	

Annular Material

Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
0	2	Cement	Portland Cement/Neat Cement		
2	20	Bentonite	Other Bentonite	grout seal	
20	245	Filter Pack	Other Gravel Pack	1/8"	

Other Observations:
Mud drilled first 45' due to sand.

Borehole Specifications

Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	30	11.75
30	245	7.5

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name: SUPERIOR PUMP & DRILLING INC (Person, Firm or Corporation)

P O BOX 1551 (Address) | FORT BRAGG (City) | CA (State) | 95437 (Zip)

Signed: *electronic signature received* (C-57 Licensed Water Well Contractor) | 09/26/2023 (Date Signed) | 495399 (C-57 License Number)

Attachments

10550 Lansing St. plot map INK.png - Location Map

DWR Use Only

CSG #	State Well Number	Site Code	Local Well Number

N — Latitude Deg/Min/Sec

W — Longitude Deg/Min/Sec

TRS:

APN:

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

119-150-006

Do not fill in

No. 211280

[redacted] of Intent No.

Local Permit No. or Date 9390

State Well No.

Other Well No 17N17W30G

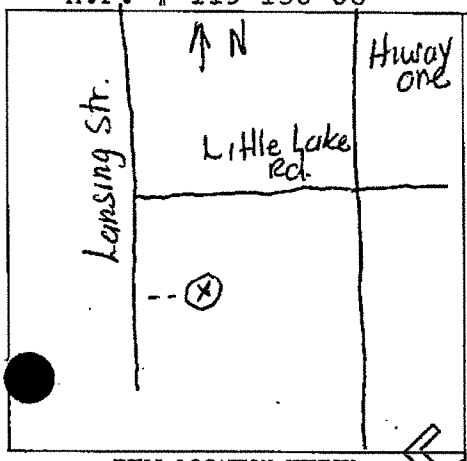
(1)
Ad
Cit

(2) LOCATION OF WELL (See instructions):
County MENDOCINO Owner's Well Number

Well address if different from above

Township 17N Range 17W Section 30

Distance from cities, roads, railroads, fences, etc.
10485 Lansing Street
Mendocino
A.P. # 119-150-06



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: monterey sand
Yes ☐ No ☒ Size
Diameter of bore 9 7/8, 7 7/8, 11"
Packed from 20 to 200 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐

(8) PERFORATIONS: microperf
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	200	5"	CL200	119	198	.032

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 20 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval ft.
Method of sealing sand pack

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion 30 ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Weeks
Type of test Pump ☐ Bailer ☐ Air lift ☒
Depth to water at start of test 30 ft. At end of test 198 ft
Charge 12 gal/min after 2+ hours Water temperature 60°
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 200 ft. Depth of completed well 200 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	Top soil
3	27	Brown and tan sand
27	175	Shale rock and shale
-	-	with sandstone ledges
175	182	Green and gray sandy rock
182	200	Shale and shaled rock

Work started 11-13 19 92 Completed 11-17 1992

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 Ward Thompson By: Don Sinclair
(Well Driller)

NAME WEEKS DRILLING AND PUMP COMPANY
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 176-6100 Sebastopol Road

City Sebastopol, California Zip 95473

License No. C57-177681 Date of this report Nov. 23,1992

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

98

16N/17W - 30M

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 12069

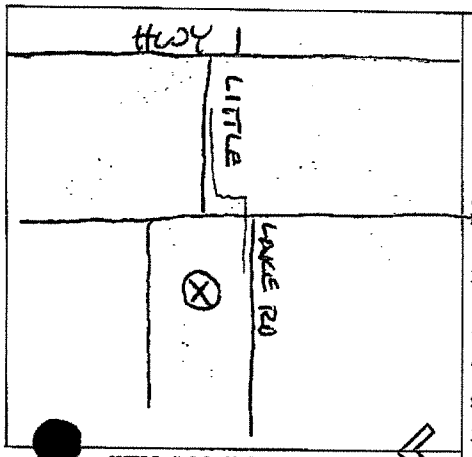
119-160-034

State Well No.
Other Well No. 17N17W30F

Notice of Intent No.
Local Permit No. or Date

(1)
Add
City

(2) LOCATION OF WELL (See instructions): 119-160-34
County MENDOCINO Owner's Well Number
Well address if different from above
Township 16 N Range 17W Section 30
Distance from cities, roads, railroads, fences, etc.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well X Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic X
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary X Reverse ☐
Cable ☐ Air X
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☐ No ☒ Size
Diameter of bore 7"
Packed from 20' to 160 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic X Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	160	5"	160#

(8) PERFORATIONS: SKIL SAW
Type of perforation or size of screen

From ft.	To ft.	Slot size
40'	160'	16

(9) WELL SEAL:
Was surface sanitary seal provided? Yes X No ☐ If yes, to depth 20 ft.
Were strata sealed against pollution? Yes ☐ No X Interval ft.
Method of sealing CONCRETE

(10) WATER LEVELS:
Depth of first water, if known 60-70 100-120 ft.
Standing level after well completion 25' ft.

(11) WELL TESTS:
Was well test made? Yes X No ☐ If yes, by whom? DRILLER
Type of test Pump ☐ Bailer ☐ Air lift X
Depth to water at start of test ft. At end of test ft
Discharge 5+ gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No X If yes, by whom?
Was electric log made? Yes ☐ No X If yes, attach copy to this report

(12) WELL LOG: Total depth 160 ft. Depth of completed well 160 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	2	BLACK TOP SOIL
2	22	BROWN SAND
22	160	BLUE ROCK

INITIAL
UNUSED WATER FOR PUBLIC USE
NOT FOR PUBLIC USE SEC. 13752
WATER CODE SEC.

MAR 5 1985

Work started 11-20 19 84 Completed 11-21 19 84

WELL DRILLER'S STATEMENT: 00850

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)
NAME KELLEY PUMP & DRILLING (Person, firm, or corporation) (Typed or printed)
Address PO BOX 272
City FORT BRAGG CALIF Zip 954
License No. Date of this report 11-21-84

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 42816-95C 7-76 50M QUAD ① T OSP

17N/17W-30

ORIGINAL
File with DWR

CONFIDENTIAL LOG Water Code Sec. 13752

CONFIDENTIAL LOG Water Code Sec. 13752

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do Not Fill In

No 156465

State Well No.

Other Well No.

(1) (
Name
Addre

(2) LOCATION OF WELL:
County Mendocino Owner's number, if any
Township, Range, and Section
Distance from cities, roads, railroads, etc. on Corner of Lansing & Calpella Streets, Mendocino, Ca.

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:
(STEEL) OTHER:
SINGLE ☐ DOUBLE ☐

From ft.	To ft.	Diam.	Gage or Wall
0	88	6"	10

If gravel packed

Diameter of Bore	From ft.	To ft.
9 7/8	0	24
7 7/8	24	87

Size of shoe or well ring: none
Size of gravel: pea
Describe joint weld

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen slots

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
27	87	4	1	1/8 X 10

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 20 ft.
Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing cement on gravel pack

(9) WATER LEVELS:
Depth at which water was first found, if known ft.
Standing level before perforating, if known ft.
Standing level after perforating and developing ft.

(10) WELL TESTS:
Was pump test made? Yes ☐ No ☒ If yes, by whom? bail
Yield: 15 gal./min. with 62 ft. drawdown after hrs.
Temperature of water cold Was a chemical analysis made? Yes ☐ No ☒
Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:
Total depth 87 ft. Depth of completed well 87 ft.
Formation: Describe by color, character, size of material, and structure

ft. to	ft.	
0	1	Top soil
1	14	Brown sandy clay
14	21	Round bird's eye gravel
21	29	Brown sand some streaks of brown sandstone
29	76	Highly fractured graywackie rock
76	87	Hard graywackie rock

Work started 9-15-75 19 , Completed 9-16-75 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.

NAME Weeks Drilling and Pump Co.
(Person, firm, or corporation) (Typed or printed)
Address Sebastopol Road
Sebastopol, California 95472
[SIGNED] Gerald Thompson
By Mary E. Thompson (Well Driller)
License No. 177681 Dated September 23, 1975

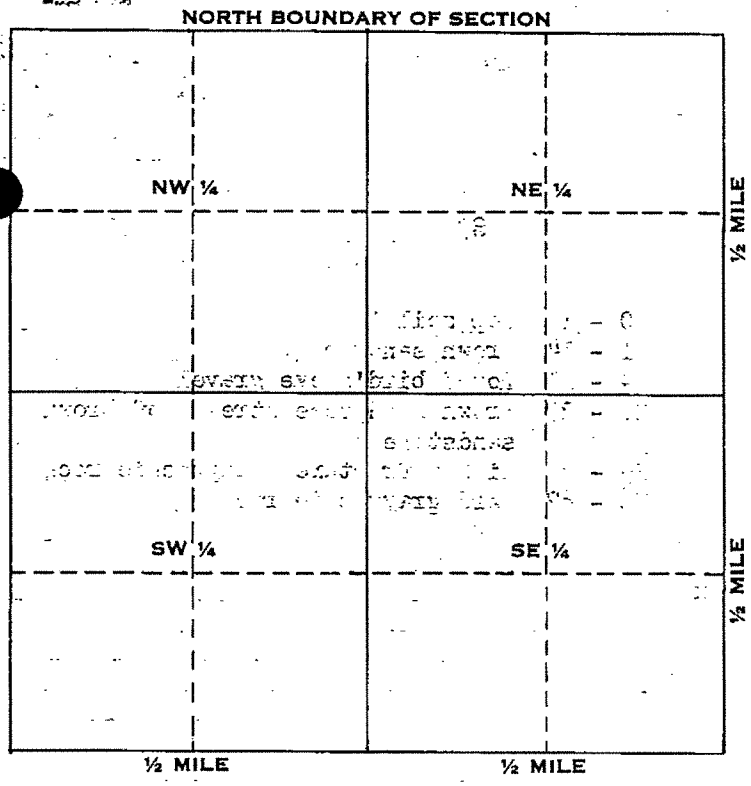
SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

6-72 30M TRIP (1) T OSP

WELL LOCATION SKETCH

156465

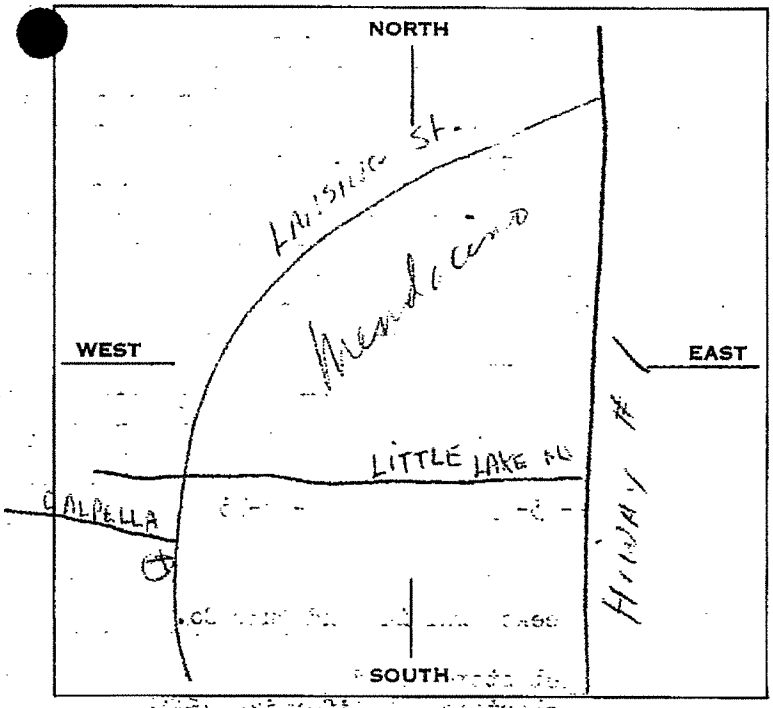


Township _____ N/S

Range _____ E/W

Section No. _____

A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in
No. 341821

Notice of Intent No. 251951
Local Permit No. or Date 5211

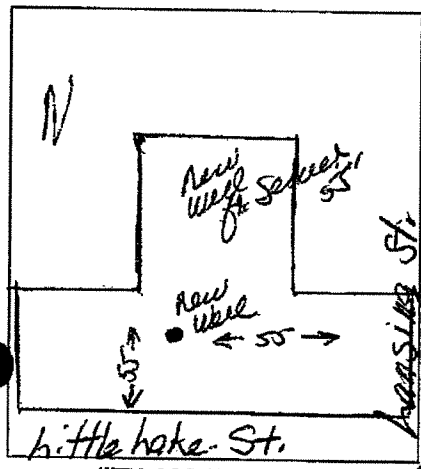
119-160-023

State Well No.
Other Well No. 17N17W30F

(12) WELL LOG: Total depth 206 ft. Completed depth 200 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
1	6	Brown Clay
6	10	Brown Sand
10	33	Brown Sand & Gravel
33	35	Brown Clay
35	50	Fractured SandStone & Shale
50	55	Hard SandStone
55	70	Franctured SandStone
70	78	HardSandStone
78	128	Fractured SandStone
128	135	Hard SandStone
135	175	Franctured Green SandStone
175	197	Hard SandStone
197	206	Franctured SandStone

(2) LOCATION OF WELL (See instructions):
County Mendocino Owner's Well Number 2
Well address if different from above 45050 Little Lake St.
Township Mendocino Range Section
Distance from cities, roads, railroads, fences, etc.
AP # 119-160-23



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [X]
Irrigation [ ]
Industrial [ ]
Test Well [ ]
Municipal [ ]
Other [ ]
(Describe)

(5) EQUIPMENT:
Rotary [X] Reverse [ ]
Cable [ ] Air [X]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [X] No [ ] Size 3/8"
Diameter of bore 8"
Packed from 20 ft. to 200 ft.

(7) CASING INSTALLED:
Steel [ ] Plastic [X] Concrete [ ]

From ft.	To ft.	Dia. in.	Gage or Wall
0	200	5"	F 480

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
50	200	.030

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 20 ft.
Were strata sealed against pollution? Yes [ ] No [X] Interval ft.
Method of sealing concrete

(10) WATER LEVELS:
Depth of first water, if known 35 ft.
Standing level after well completion 15 ft.

(11) WELL TESTS:
Was well test made? Yes [X] No [ ] If yes, by whom? driller
Type of test Pump [ ] Bailer [ ] Air lift [X]
Depth to water at start of test 206 ft. At end of test 206 ft.
Discharge 1 gal/min after 1 hours Water temperature
Chemical analysis made? Yes [ ] No [X] If yes, by whom?
Was electric log made Yes [ ] No [X] If yes, attach copy to this report

Work started 10-28 19 90 Completed 10-30 19 90

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 (Well Driller)
NAME UNITED WELL DRILLING (Person, firm, or corporation) (Typed or printed)
Address P.O. Box 2495
City Fort Bragg, Calif. ZIP 95437
License No. 558663 Date of this report 10-31-90

DWR 188 (REV. 12-86) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

86 96355

ORIGINAL
File with DWR

Page 1 of 1

RECEIVED
SEP 15 1994

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 493638

DWR USE ONLY — DO NOT FILL IN
17N17W30F M
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. _____
Date Work Began D. Wood
Local Permit Agency Dept of Health Co Mendocino
Permit No. 9713 Permit Date 6-9-94

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER _____ (Ft) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	4	Dirt Black
4	20	Sand Brown
20	27	Clay Brown
27	128	Rock gray

TOTAL DEPTH OF BORING 128 (Feet)
TOTAL DEPTH OF COMPLETED WELL 128 (Feet)

WELL OWNER

Address 13081 Little Lake
City Mendocino
County Mendocino
APN Book 119 Page 160 Parcel 27
or
Township _____ Range _____ Section _____
or
Latitude _____ DEG. MIN. SEC. NORTH Longitude _____ DEG. MIN. SEC. WEST

LOCATION SKETCH

NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

✓ NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
✓ Domestic
___ Public
___ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD Air Rotary FLUID None

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____
ESTIMATED YIELD* 2 (GPM) & TEST TYPE Air Lift
TEST LENGTH 1 (Hrs.) TOTAL DRAWDOWN _____ (Ft.)
** May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
+1	30	9"	✓				PVC	5"	CL160	
30	128	9"		✓			PVC	5"	CL160	1/8"

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	20	✓			
20	128			✓	pea rock

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Tara Drilling Inc (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) 1676

ADDRESS 17251 Redwood Springs Dr CITY Ft. Bragg STATE CA ZIP 95437

Signed Robert D Armitage (WELL DRILLER/AUTHORIZED REPRESENTATIVE) 9-9-94 (DATE SIGNED) 598316 (C-57 LICENSE NUMBER)

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

STATE OF CALIFORNIA

WELL COMPLETION REPORT

No. 0929601

DWR USE ONLY — DO NOT FILL IN

17N/17W30

STATE WELL NO. STATION NO.

39/18/28 / 7123417-58

LATITUDE LONGITUDE

APN / TRS / OTHER

OWNER'S WELL No. 5643

Date Work Began 12/12/0 Ended 12/12/05

Local Permit Agency MENDOCINO

Permit No. WW20524 Permit Date 11-15-2005

GEOLOGIC LOG

ORIENTATION Vertical Degree of Angle ____

DEPTH TO FIRST WATER ____ (ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	Ft.	DESCRIPTION
0	2	topsoil
2	30	brown sandy clay
20	200	sandstone
200	300	sandstone with shale

WELL OWNER

WELL LOCATION

Address 10575 LANSING STREET

City MENDOCINO County MENDOCINO

Apn Book 119 Page 150 Parcel 01

or Township ____ Range ____ Section ____ 1/4 ____ 1/4

or Latitude ____ Deg. ____ Min. ____ Sec. NORTH Longitude ____ Deg. ____ Min. ____ Sec. WEST

LOCATION SKETCH

ACTIVITY NEW WELL PLANNED USE(S) Domestic Water

DRILLING METHOD ROTARY AIR FLUID Bentonite

DEPTH OF STATIC WATER LEVEL 42 (Ft.) & DATE MEASURED Dec 12, 2005

ESTIMATED YIELD * 1 (G.P.M.) & TEST TYPE Airlift

TEST LENGTH. 3 (Hrs.) TOTAL DRAWDOWN 240 (FT.)

*May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 300 (Feet)

TOTAL DEPTH OF COMPLETED WELL 300 (Feet)

CASING

DEPTH FROM SURFACE Ft.	To Ft.	BORE-HOLE DIA.	TYPE	Material / Grade	Dia.	Gauge	Slot size
0	20	10 5/8	BLANK	F480 PVC	5	200	
20	7 1/2	7 1/2	BLANK	F480 PVC	5	200	
40	140	7 1/2	PERFS	F480 PVC	5	200	032
140	300	7 1/2	PERFS	F480 PVC	5	200	1/8

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	To Ft.	Seal Material	Filter Pack (Type / Size)
0	20	BENTONITE	
20	300		Pea Gravel

Attachments

no Geologic Log

no Well Construction Diagram

Geophysical Logs

no Soil Water Chemical Analyses

no Other

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME FISCH BROS DRILLING INC

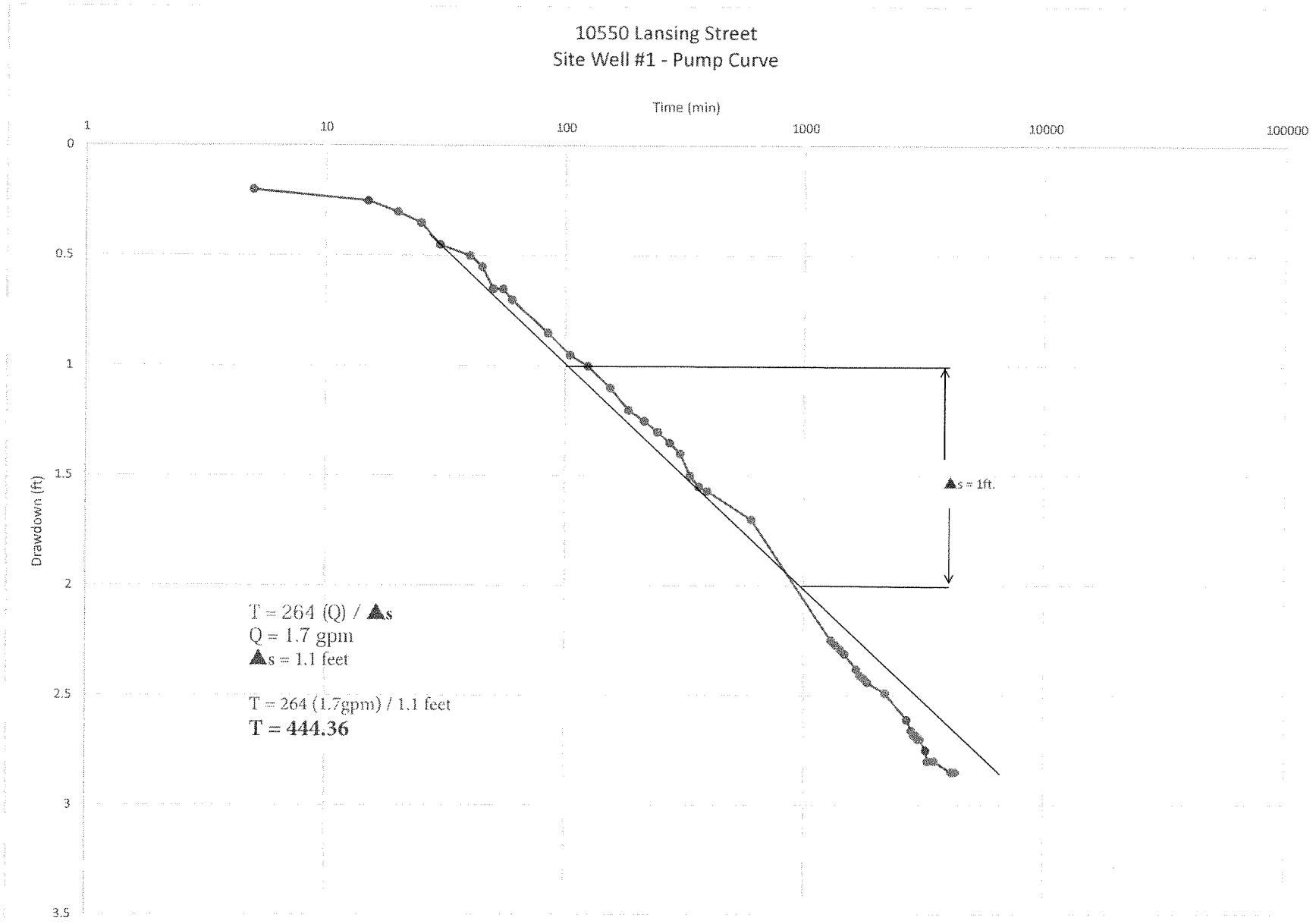
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

5001 Gravenstein Hwy No Sebastopol CA 9547

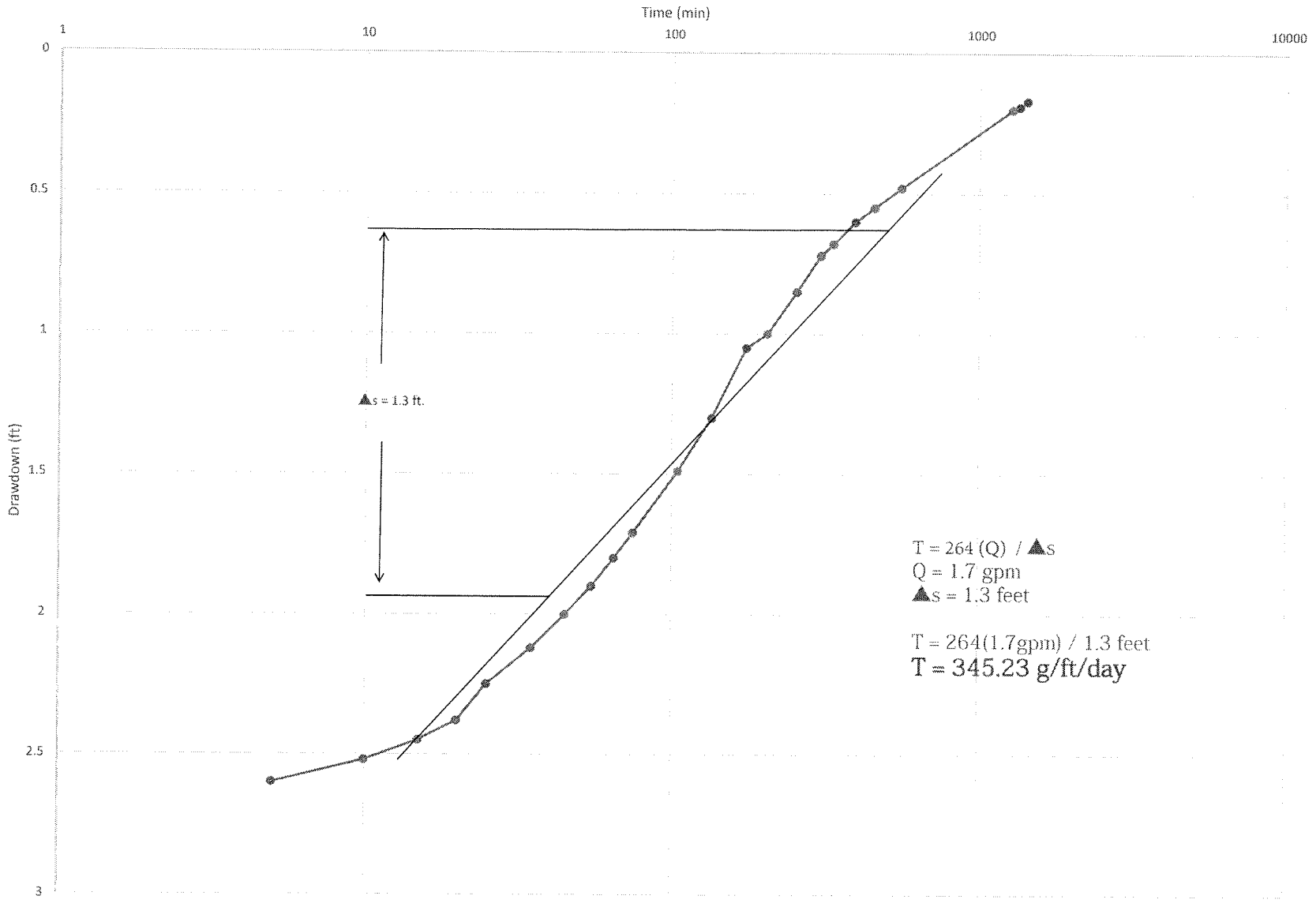
Signed DALE THEISS 12/30/05 399226

WELL DRILLER / AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

APPENDIX D
WELL YIELD TEST DATA AND GRAPHS

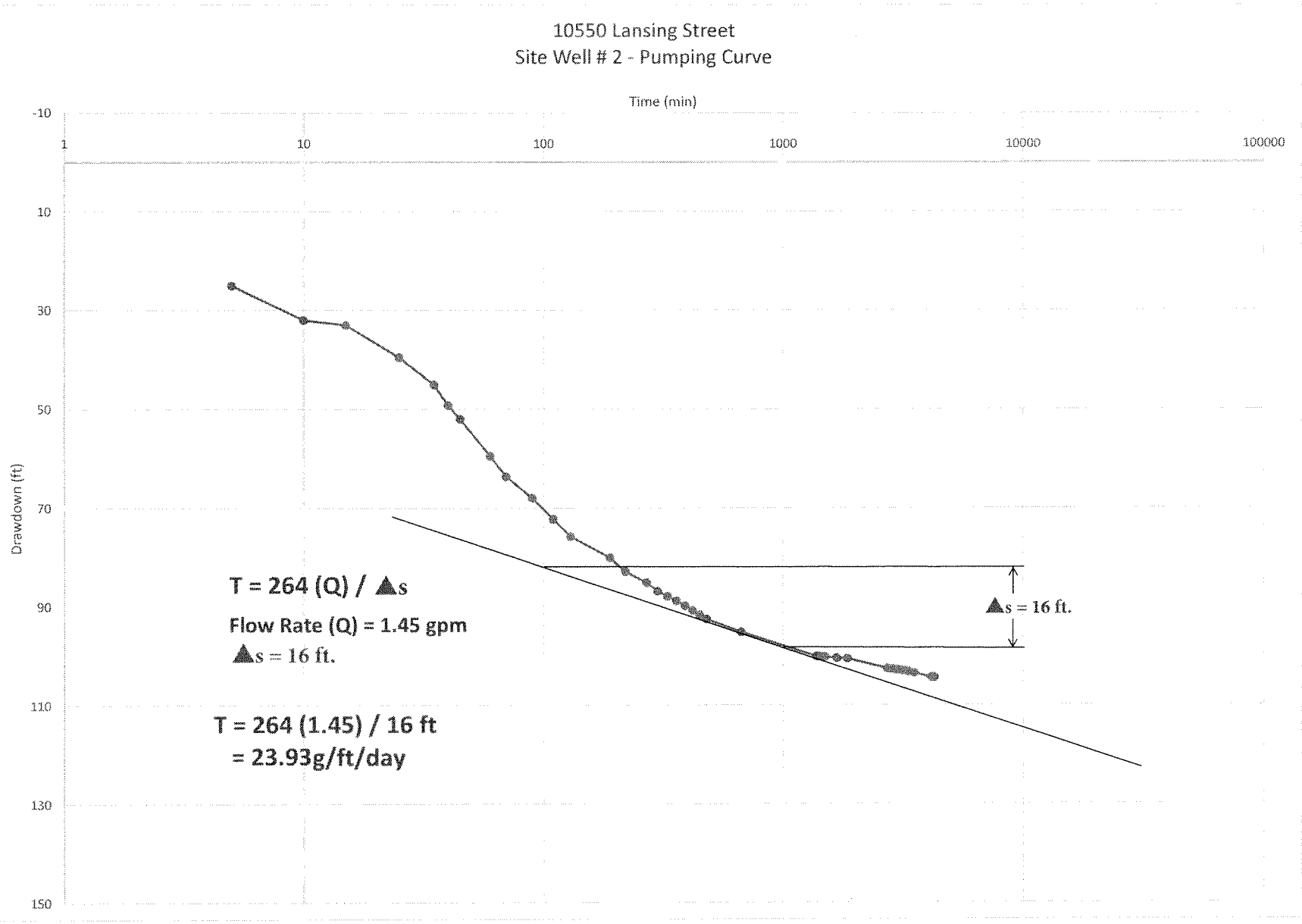

10550 Lansing Street
Site Well #1 - Pump Curve
Time (min)
1
10
100
1000
10000
100000
0
0.5
1
1.5
2
2.5
3
3.5
Drawdown (ft)
▲s = 1ft.
T = 264 (Q) / ▲s
Q = 1.7 gpm
▲s = 1.1 feet
T = 264 (1.7gpm) / 1.1 feet
T = 444.36

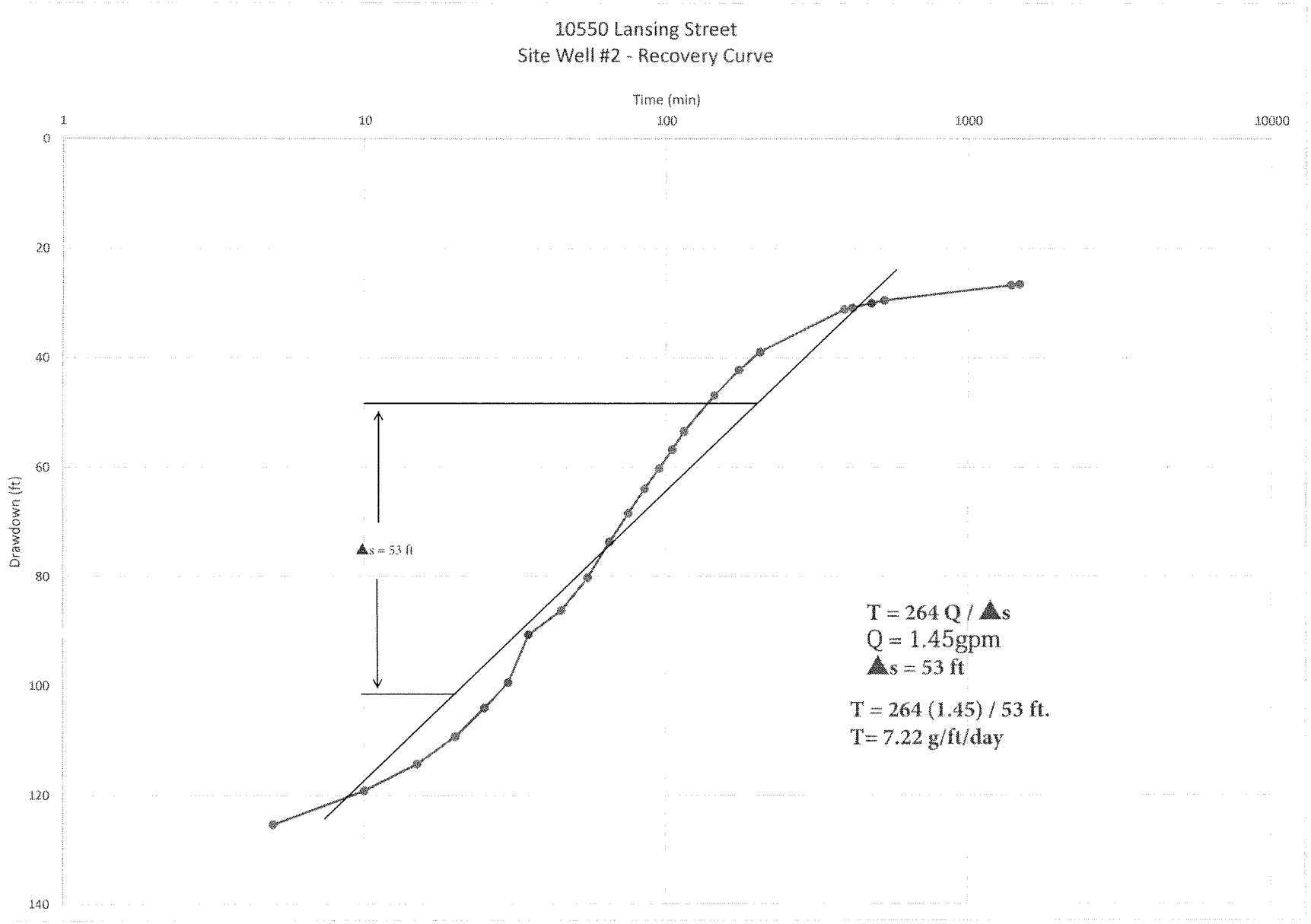
10550 Lansing Street
Site Well #1 - Recovery Curve



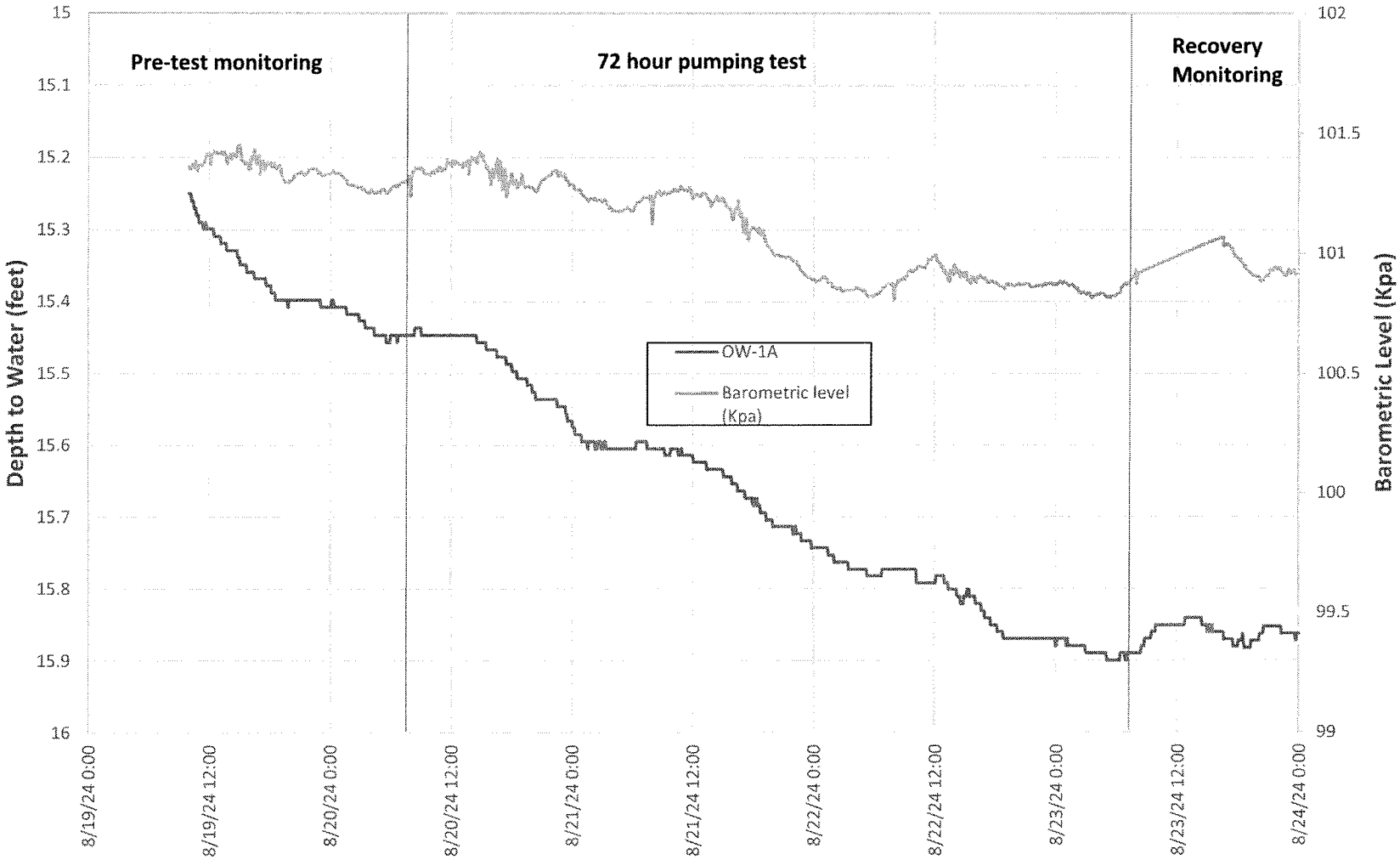
T = 264 (Q) / ▲s
Q = 1.7 gpm
▲s = 1.3 feet

T = 264(1.7gpm) / 1.3 feet
T = 345.23 g/ft/day

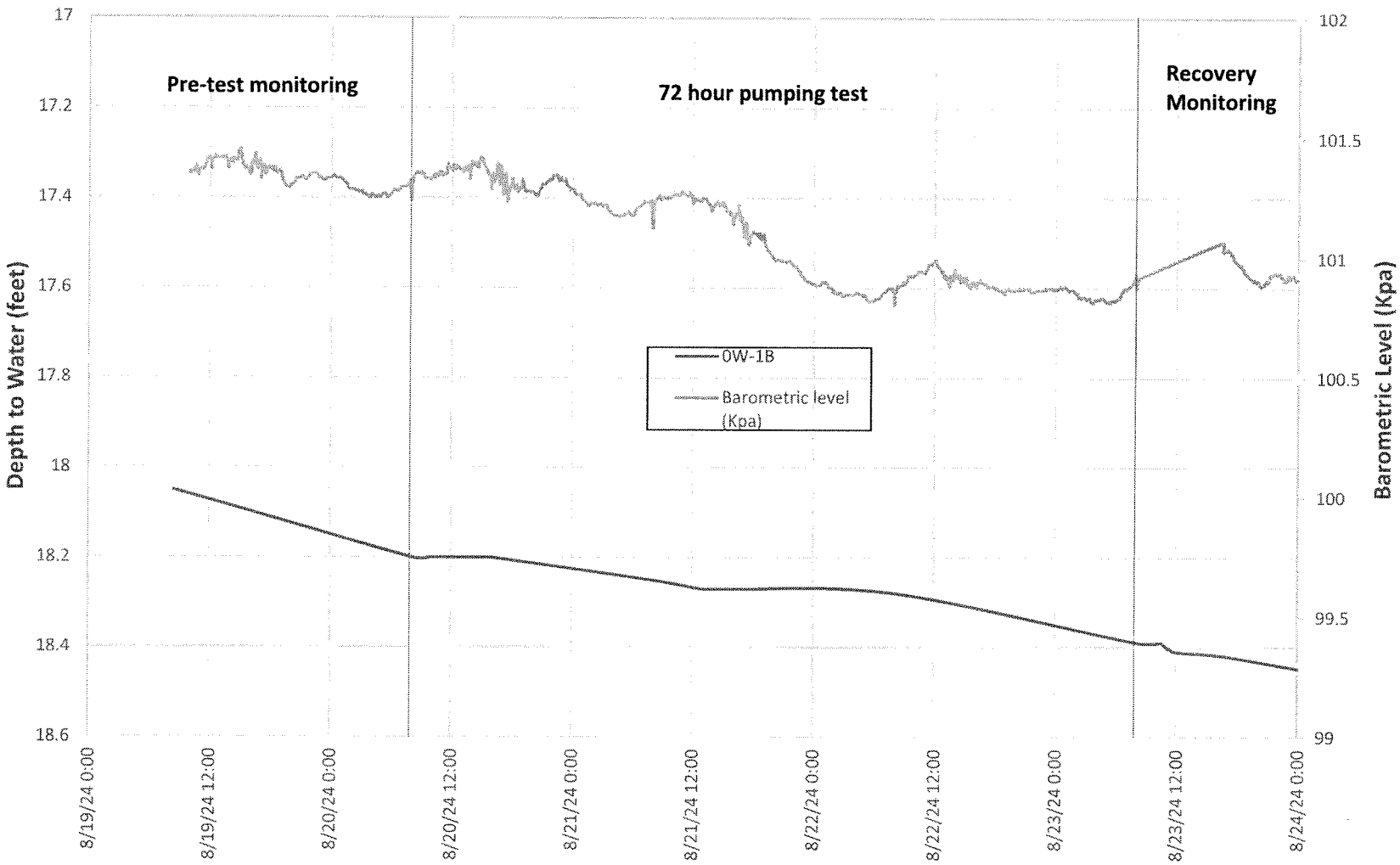

10550 Lansing Street
Site Well # 2 - Pumping Curve
Time (min)
-10
1
10
100
1000
10000
100000
10
30
50
70
90
110
130
150
Drawdown (ft)
T = 264 (Q) / ▲s
Flow Rate (Q) = 1.45 gpm
▲s = 16 ft.
T = 264 (1.45) / 16 ft
= 23.93g/ft/day
▲s = 16 ft.


10550 Lansing Street
Site Well #2 - Recovery Curve
Time (min)
1
10
100
1000
10000
Drawdown (ft)
0
20
40
60
80
100
120
140
▲s = 53 ft
T = 264 Q / ▲s
Q = 1.45gpm
▲s = 53 ft
T = 264 (1.45) / 53 ft.
T= 7.22 g/ft/day

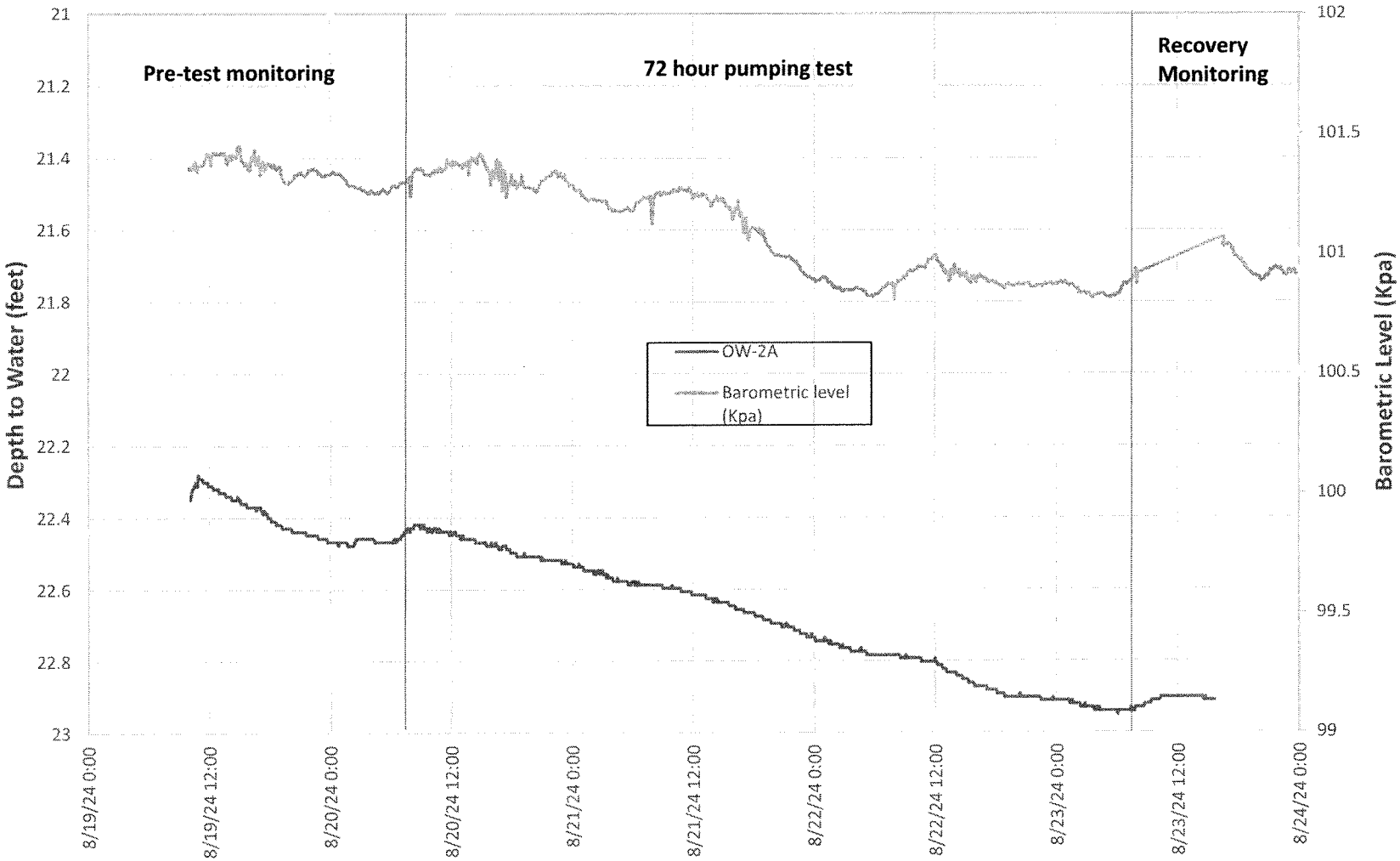
OW-1A
45040 Calpella Street



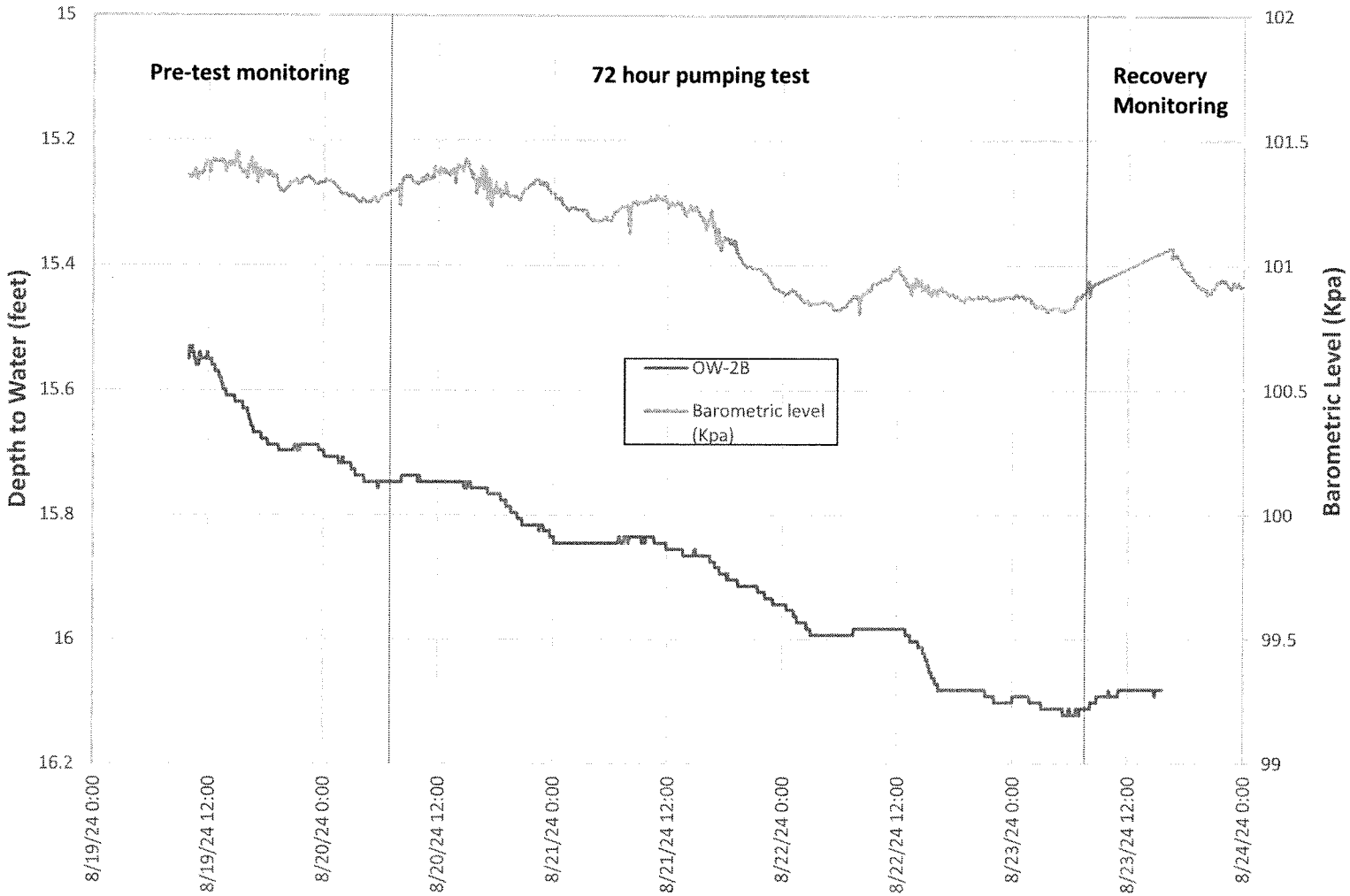
OW-1B
10501 Ford Street



OW-2A
10540 Lansing Street



OW-2B
45080 Calpella Street



CERTIFICATION OF WATER YIELD IN WATER SCARCE AREAS

Water Yield Number Franciscan Well (Site Well #2) **Well Permit Number** 5368 / WCR# 010668

1. Individual performing test: Lee S. Hurvitz
2. Type of license/registration, number and expiration date: Certified Hydrogeologist #1015
3. Location of well: Northeast portion of Site
4. Address: 10550 Lansing Street APN: 119-160-31
5. Type and model of test pump: 1/2 Hp submersible pump
6. Test pump setting depth: 235 feet
7. Maximum reported yield for this pump type at this setting: NA
8. Type of discharge measurement method: 5/8" totalizing water meter
9. Type and model of flow meter (or provide an accurate description of weir or orifice plate): Badger M25 Totalizing Water meter
10. Geographic coordinates (Plane Coordinate Method or distance from fixed landmarks): 39.307255 / -123.798999
11. Estimated elevation of well head: 137 feet
12. Initial static water level (include measuring points such as top of casing, surface seal, access port): 25.0
13. Date & time of initial static water level measurement: 08 / 20 / 2024 7:45am AM/PM
    a. Dynamic Water Level: 104.35 feet
    b. Specific Capacity: 0.014
    c. Pump Test duration: 72 hours
14. Immediately after the test take the following measurements:
    a. Dynamic water level: 104.35 feet
    b. Final discharge rate: 1.45 gpm
15. Post - Test Measurement:
    a. Dynamic water level: 104.35 feet
    b. Static water level: 26.55
    c. Percentage of recovery of final static level: 99%

Testing performed by (signature): Lee S. H Date: 8-24-24

Company Hurvitz Environmental Services Phone Number: 707-824-1690

Specialist _____ Date _____

CERTIFICATION OF WATER YIELD IN WATER SCARCE AREAS

WELL PUMP TEST DATA RECORDATION ADDRESS: 10550 Lansing Street , Mendocino, CA - Site Well #1

Date	Time	Interval	SWL	GPM	Comments
08/20/2024	0830	1 Min	25	4	
	0835	1 Min	50	2	
	0840	1 Min	57	2	
	0845	1 Min	58	1.7	
	0855	1 Min	64.5	1.6	
	0905	5 Min	70.05	1.5	
	0910	5 Mins	74.2	1.5	
	0915	5 Mins	77	1.45	
	0930	5 Mins	84.5	1.45	
	0940	5 Mins	88.65	1.45	
	1000	5 Mins	93	1.45	
	1020	5 Mins	97.25	1.45	
	1040	5 Mins	100.75	1.45	
	1140	5 Mins	105.1	1.45	
	1210	5 Mins	107.9	1.45	
	1240	5 Mins	110.15	1.45	
	1310	5 Mins	111.85	1.45	
	1340	5 Mins	112.95	1.45	
	1410	30 Mins	113.9	1.45	
	1440	20 Mins	114.88	1.45	
	1510	20 Mins	115.81	1.45	
	1540	20 Mins	116.69	1.45	
	1610		117.55	1.45	
	1920	30 Mins	120.16	1.45	
		30 Mins			
08/21/2024	0710	30 Mins	125.05	1.45	
	0740	30 Mins	125.08	1.45	
	0840	30 Mins	125.13	1.45	
	0910	30 Mins	125.15	1.45	
	1310	30 Mins	125.39	1.45	
	1610	30 Mins	125.5	1.45	
		30 Mins			
		210 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		72 Hrs. or			

WELL PUMP TEST DATA RECORDATION ADDRESS: 10550 Lansing Street , Mendocino, CA - Site Well #1

Date	Time	Interval	SWL	GPM	Comments
		1 Min			
		1 Min			
		1 Min			
		1 Min			
		1 Min			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
08/21/2024	0710	20 Mins	14.15	1.75	
		20 Mins			
		20 Mins			
	0810	30 Mins	14.17	1.7	
	0910	60 Mins	14.19	1.7	
	1010	60 Mins	14.21	1.7	
	1110	60 Mins			
	1210	60 Mins			
	1310	60 Mins	14.28	1.7	
	1410	60 Mins	14.31	1.7	
	1510	60 Mins	14.32	1.7	
	1610	60 Mins	14.34	1.7	
	1710	60 Mins			
	1810	60 Mins			
	1910	60 Mins			
	2010	60 Mins			
	2110	60 Mins			
	2200	50 Mins	14.39	1.7	
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		72 Hrs. or			

WELL PUMP TEST DATA RECORDATION ADDRESS: 10550 Lansing Street , Mendocino, CA - Site Well #1

Date	Time	Interval	SWL	GPM	Comments
		1 Min			
		1 Min			
		1 Min			
		1 Min			
		1 Min			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
		5 Mins			
08/22/2024	0630	20 Mins	14.51	1.7	
		20 Mins			
		20 Mins			
	0830	120 Mins	14.56	1.7	
	0930	60 Mins	14.58	1.7	
	1030	60 Mins	14.58	1.7	
	1130	60 Mins	14.60	1.7	
	1230	60 Mins	14.60		
	1330	60 Mins			
	1430	60 Mins			
	1530	60 Mins	14.65	1.7	
	1630	60 Mins	14.70	1.7	
	1700	30 Mins	14.70	1.7	
	1800	60 Mins			
	1900	60 Mins			
	2000	60 Mins	14.7	1.7	
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		72 Hrs. or			

WELL PUMP TEST DATA RECORDATION ADDRESS: 10550 Lansing Street , Mendocino, CA

Date	Time	Interval	SWL	GPM	Comments
08/23/2024	0630	30 Min	14.75	1.7	
	0700	30 Min	14.75	1.7	
	0730	30 Min	14.75	1.7	
	0830	30 Min	14.75	1.7	
	0920	50 Min	14.75	1.7	Pumped Stopped at 0920
8/23/2024	Recovery	Recovery	Recovery	Recovery	
	0935	5 Mins	14.5	0	
	0940	5 Mins	14.42	0	
	0945	5 Mins	14.35	0	
	0950	5 Mins	14.28	0	
	0955	5 Mins	14.15	0	
	1010	15 Mins	14.02	0	
	1020	10 Mins	13.9	0	
	1030	10 Mins	13.8	0	
	1040	10 Mins	13.7	0	
	1050	10Mins	13.61	0	
	1120	30 Mins	13.39	0	
	1150	30 Mins	13.2	0	
	1230	40 Mins	12.95	0	
	1300	30 Mins	12.9	0	
	1350	50 Mins	12.75	0	
	1450	60 Mins	12.62	0	
	1520	30Mins	12.58	0	
	1620	60 Mins	12.5	0	
	1720	60 Mins	12.45	0	
	1900	100 Mins	12.38	0	
08/24/2024	0700	12-hours	12.1	0	
	0800	60 Mins	12.09	0	
	0930	90 Mins	12.07	0	
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		72 Hrs. or			

CALCULATION OF WELL RECOVERY

1. Determine the water level draw down by subtracting the initial static water level measurement from the stabilized pumping level. Record this result as the well draw down.

2. Next determine the water level recovery by subtracting the post test (within 72 hours) static water level from the stabilized dynamic pumping level. Record this result as the well recovery.

3. Next determine the percent recovery of the well. Divide the water level recovery by the water level draw down and multiply by 100. Record this result as the percent well recovery.

Example:

a.	Initial static water level:	(measured value)	25.0 feet
b.	Post test static water level*:	(measured value)	26.55 feet
b.1.	Time (hours) of measurement:	(within 72 hours)	25 hours
c.	Stabilized pumping level**:	(measured value)	129.35 feet
d.	Draw down:	(calculate by subtracting A from C)	104.35 feet
e.	Recovery:	(calculate by subtracting B from C)	102.8 feet
f.	Percent recovery:	(calculate by dividing E by D and multiplying result by 100)	99%

Well percent recovery (F) must be 90% or greater within a 72 hour period.

* The static water level after 72 hours or less post pump test.

CERTIFICATION OF WATER YIELD IN WATER SCARCE AREAS

Water Yield Number Terrace Deposit Well (Site Well #1) **Well Permit Number** NA

1. Individual performing test: Lee S. Hurvitz
2. Type of license/registration, number and expiration date: Certified Hydrogeologist #1015
3. Location of well: northwest corner of property
4. Address: 10550 Lansing Street, Mendocino, CA APN: 119-160-31
5. Type and model of test pump: 1/2 Hp Submersible Pump
6. Test pump setting depth: 16.5 feet bg
7. Maximum reported yield for this pump type at this setting: NA
8. Type of discharge measurement method: 5/8" totalizing water meter
9. Type and model of flow meter (or provide an accurate description of weir or orifice plate): Badger M25 Totalizing Water meter
10. Geographic coordinates (Plane Coordinate Method or distance from fixed landmarks): 39.307219 / -123.799296
11. Estimated elevation of well head: 137 feet
12. Initial static water level (include measuring points such as top of casing, surface seal, access port): 11.9 feet
13. Date & time of initial static water level measurement: 08 / 20 / 2024 8:10am AM/PM
    a. Dynamic Water Level: 14.75 feet
    b. Specific Capacity: 0.596
    c. Pump Test duration: 72 hours
14. Immediately after the test take the following measurements:
    a. Dynamic water level: 14.75 feet
    b. Final discharge rate: 1.7 gpm
15. Post - Test Measurement:
    a. Dynamic water level: 14.75
    b. Static water level: 12.07
    c. Percentage of recovery of final static level: 94%

Testing performed by (signature): _____ Date: _____

Company Hurvitz Environmental Servcies Phone Number: 707-824-1690

Specialist _____ Date _____

CERTIFICATION OF WATER YIELD IN WATER SCARCE AREAS

WELL PUMP TEST DATA RECORDATION ADDRESS: 10550 Lansing Street, Mendocino, CA - Site Well #2

Date	Time	Interval	SWL	GPM	Comments
08-20-2024	0920	5 Min	11.9	2.3	.
	0921	5 Min	11.95	2.3	.
	0922	5 Min	11.98	2.3	
	0923	5 Min	12.01	2.3	
	0924	5 Min	12.05	2.2	
	0905	5 Min	70.05	1.5	
	0930	10Mins	12.1	2.3	
	0935	5 Mins	77	1.45	
	0940	5 Mins	12.15	2.2	
	0945	15 Mins	12.2	2.2	
	0950	10 Mins	12.25	2.0	
	0955	20 Mins	12.35	2.05	
	1000	20 Mins	100.75	1.45	
	1005	20 Mins	12.4	1.85	
	1010	60 Mins	12.45	1.85	
	1015	30Mins	12.55	1.85	
	1020	30 Mins	12.55	1.7	
	1025	30 Mins	12.6	1.7	
	1410	30 Mins	113.9	1.45	
	1050	30 Mins	12.75	1.7	
	1110	30 Mins	12.85	1.7	
	1130	30 Mins	12.9	1.7	
	1610	30 Mins	117.55	1.45	
	1200	190 Mins	13.0	1.7	
	1230		13.1	1.7	
08/21/2024	1300	30 Mins	13.15	1.7	
	1330	30 Mins	13.2	1.7	
	1400	30 Mins	13.25	1.75	
	1430	30 Mins	13.3	1.7	
	1500	30 Mins	13.4	1.7	
	1530	30 Mins	13.45	1.7	
	1600	30 Mins	13.47	1.7	
	1930	30 Mins	13.6	1.7	
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		72 Hrs. or			

WELL PUMP TEST DATA RECORDATION ADDRESS: 10550 Lansing Street , Mendocino, CA - Site Well #2

Date	Time	Interval	SWL	GPM	Comments
08/22/2024	0630	30 Min	127.55	1.45	
	0700	30 Min	127.6	1.45	
	0800	30 Min	127.65	1.45	
	0900	60 Min	127.7	1.45	
	0930	30 Min	127.7	1.45	
	1000	30 Mins	127.75	1.45	
	1030	30 Mins	127.8	1.45	
	1100	30 Mins	127.8	1.45	
	1130	30 Mins	127.85	1.45	
	1200	30 Mins	127.85	1.45	
	1230	30 Mins	127.9	1.45	
	1300	30 Mins	127.9	1.45	
	1330	30 Mins	127.95	1.45	
	1400	30 Mins	128	1.45	
	1430	30 Mins	128	1.45	
	1500	30 Mins	128	1.45	
	1530	30 Mins	128.1	1.45	
	1630	30 Mins	128.15	1.45	
	1700	30 Mins	128.2	1.45	
	2000	180 Mins	128.45	1.47	
		20 Mins			
		20 Mins			
08/23/2024	0630	30 Mins	129.35	1.45	
	0700	30 Mins	129.35	1.45	
	0730	30Mins	129.35	1.45	
	0830	60 Mins	129.35	1.45	
	1110	60 Mins			Pump Stopped at 0830 on 8/23/2024
	1210	60 Mins			
	1310	60 Mins			
	1410	60 Mins			
	1510	60 Mins			
	1610	60 Mins			
	1710	60 Mins			
	1810	60 Mins			
	1910	60 Mins			
	2010	60 Mins			
	2110	60 Mins			
	2200	50 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		72 Hrs. or			

WELL PUMP TEST DATA RECORDATION ADDRESS: 10550 Lansing Street , Mendocino, CA - Site Well #2

Date	Time	Interval	SWL	GPM	Comments
08/23/2024	Recovery	Recovery	Recovery	Recovery	
	0830	5 Min	129.35	0	
	0835	5 Min	125.4	0	
	0840	5 Min	119.2	0	
	0845	5 Min	114.35	0	
	0850	5 Mins	109.3	0	
	0855	5 Mins	104.1	0	
	0900	5 Mins	99.4	0	
	0905	5 Mins	90.7	0	
	0915	10 Mins	86.25	0	
	0925	10 Mins	80.2	0	
	0935	10 Mins	73.6	0	
	0945	10 Mins	68.4	0	
	0955	10 Mins	63.95	0	
	1005	10 Mins	60.2	0	
	1015	10 Mins	56.75	0	
	1025	10 Mins	53.4	0	
	1055	30 Mins	46.8	0	
	1125	30 Mins	42.2	0	
	1155	30 Mins	38.9	0	
	1500	185 Mins	31.15	0	
	1525	25 Mins	30.85	0	
	1630	65 Mins	30	0	
	1720	50 Mins	29.5	0	
08/24/2024	0700	820 Mins	26.73	0	
	0830	90 Mins	26.6	0	
	0920	50 Mins	26.55	0	
		60 Mins			
		60 Mins			
		60 Mins			
		60 Mins			
		60 Mins			
		60 Mins			
		60 Mins			
		60 Mins			
		60 Mins			
		60 Mins			
		50 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		30 Mins			
		72 Hrs. or			

CALCULATION OF WELL RECOVERY

1. Determine the water level draw down by subtracting the initial static water level measurement from the stabilized pumping level. Record this result as the well draw down.

2. Next determine the water level recovery by subtracting the post test (within 72 hours) static water level from the stabilized dynamic pumping level. Record this result as the well recovery.

3. Next determine the percent recovery of the well. Divide the water level recovery by the water level draw down and multiply by 100. Record this result as the percent well recovery.

Example:

a.	Initial static water level:	(measured value)	11.9 feet
b.	Post test static water level*:	(measured value)	12.07 feet
b.1.	Time (hours) of measurement:	(within 72 hours)	24 hours
c.	Stabilized pumping level**:	(measured value)	14.75 feet
d.	Draw down:	(calculate by subtracting A from C)	2.85 feet
e.	Recovery:	(calculate by subtracting B from C)	2.68
f.	Percent recovery:	(calculate by dividing E by D and multiplying result by 100)	94%

Well percent recovery (F) must be 90% or greater within a 72 hour period.

* The static water level after 72 hours or less post pump test.

Observation Well 0W-1B
10501 Ford Street

Time	Depth
8/19/24 8:30	18.05
8/20/24 8:10	18.2
8/20/24 10:00	18.2
8/20/24 11:00	18.2
8/20/24 12:00	18.2
8/20/24 13:00	18.2
8/20/24 14:00	18.2
8/20/24 15:00	18.2
8/20/24 16:00	18.2
8/21/24 8:00	18.25
8/21/24 13:00	18.27
8/21/24 16:00	18.27
8/22/24 8:15	18.28
8/23/24 8:15	18.39
8/23/24 10:30	18.39
8/23/24 12:00	18.41
8/23/24 17:00	18.42
8/24/24 8:00	18.48
8/24/24 9:30	18.49

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/19/24 10:00	15.25	8/19/24 15:15	15.349	8/19/24 20:30	15.398
8/19/24 10:05	15.25	8/19/24 15:20	15.349	8/19/24 20:35	15.398
8/19/24 10:10	15.25	8/19/24 15:25	15.349	8/19/24 20:40	15.398
8/19/24 10:15	15.26	8/19/24 15:30	15.349	8/19/24 20:45	15.398
8/19/24 10:20	15.26	8/19/24 15:35	15.349	8/19/24 20:50	15.398
8/19/24 10:25	15.26	8/19/24 15:40	15.349	8/19/24 20:55	15.398
8/19/24 10:30	15.27	8/19/24 15:45	15.359	8/19/24 21:00	15.398
8/19/24 10:35	15.27	8/19/24 15:50	15.359	8/19/24 21:05	15.398
8/19/24 10:40	15.27	8/19/24 15:55	15.359	8/19/24 21:10	15.398
8/19/24 10:45	15.28	8/19/24 16:00	15.359	8/19/24 21:15	15.398
8/19/24 10:50	15.28	8/19/24 16:05	15.359	8/19/24 21:20	15.398
8/19/24 10:55	15.28	8/19/24 16:10	15.359	8/19/24 21:25	15.398
8/19/24 11:00	15.29	8/19/24 16:15	15.359	8/19/24 21:30	15.398
8/19/24 11:05	15.29	8/19/24 16:20	15.359	8/19/24 21:35	15.398
8/19/24 11:10	15.29	8/19/24 16:25	15.359	8/19/24 21:40	15.398
8/19/24 11:15	15.29	8/19/24 16:30	15.368	8/19/24 21:45	15.398
8/19/24 11:20	15.29	8/19/24 16:35	15.368	8/19/24 21:50	15.398
8/19/24 11:25	15.299	8/19/24 16:40	15.368	8/19/24 21:55	15.398
8/19/24 11:30	15.299	8/19/24 16:45	15.368	8/19/24 22:00	15.398
8/19/24 11:35	15.299	8/19/24 16:50	15.368	8/19/24 22:05	15.398
8/19/24 11:40	15.29	8/19/24 16:55	15.368	8/19/24 22:10	15.398
8/19/24 11:45	15.299	8/19/24 17:00	15.368	8/19/24 22:15	15.398
8/19/24 11:50	15.299	8/19/24 17:05	15.368	8/19/24 22:20	15.398
8/19/24 11:55	15.299	8/19/24 17:10	15.368	8/19/24 22:25	15.398
8/19/24 12:00	15.299	8/19/24 17:15	15.368	8/19/24 22:30	15.398
8/19/24 12:05	15.299	8/19/24 17:20	15.368	8/19/24 22:35	15.398
8/19/24 12:10	15.299	8/19/24 17:25	15.368	8/19/24 22:40	15.398
8/19/24 12:15	15.299	8/19/24 17:30	15.368	8/19/24 22:45	15.398
8/19/24 12:20	15.299	8/19/24 17:35	15.368	8/19/24 22:50	15.398
8/19/24 12:25	15.299	8/19/24 17:40	15.378	8/19/24 22:55	15.398
8/19/24 12:30	15.309	8/19/24 17:45	15.378	8/19/24 23:00	15.398
8/19/24 12:35	15.309	8/19/24 17:50	15.378	8/19/24 23:05	15.408
8/19/24 12:40	15.309	8/19/24 17:55	15.378	8/19/24 23:10	15.408
8/19/24 12:45	15.309	8/19/24 18:00	15.378	8/19/24 23:15	15.408
8/19/24 12:50	15.309	8/19/24 18:05	15.378	8/19/24 23:20	15.408
8/19/24 12:55	15.309	8/19/24 18:10	15.388	8/19/24 23:25	15.408
8/19/24 13:00	15.309	8/19/24 18:15	15.388	8/19/24 23:30	15.408
8/19/24 13:05	15.309	8/19/24 18:20	15.388	8/19/24 23:35	15.408
8/19/24 13:10	15.319	8/19/24 18:25	15.388	8/19/24 23:40	15.408
8/19/24 13:15	15.319	8/19/24 18:30	15.388	8/19/24 23:45	15.408
8/19/24 13:20	15.319	8/19/24 18:35	15.398	8/19/24 23:50	15.408
8/19/24 13:25	15.319	8/19/24 18:40	15.398	8/19/24 23:55	15.408
8/19/24 13:30	15.319	8/19/24 18:45	15.398	8/20/24 0:00	15.408
8/19/24 13:35	15.319	8/19/24 18:50	15.398	8/20/24 0:05	15.408
8/19/24 13:40	15.319	8/19/24 18:55	15.398	8/20/24 0:10	15.398
8/19/24 13:45	15.329	8/19/24 19:00	15.398	8/20/24 0:15	15.398
8/19/24 13:50	15.329	8/19/24 19:05	15.398	8/20/24 0:20	15.398
8/19/24 13:55	15.329	8/19/24 19:10	15.398	8/20/24 0:25	15.408
8/19/24 14:00	15.329	8/19/24 19:15	15.398	8/20/24 0:30	15.408
8/19/24 14:05	15.329	8/19/24 19:20	15.398	8/20/24 0:35	15.408
8/19/24 14:10	15.329	8/19/24 19:25	15.398	8/20/24 0:40	15.408
8/19/24 14:15	15.329	8/19/24 19:30	15.398	8/20/24 0:45	15.408
8/19/24 14:20	15.329	8/19/24 19:35	15.398	8/20/24 0:50	15.408
8/19/24 14:25	15.329	8/19/24 19:40	15.398	8/20/24 0:55	15.408
8/19/24 14:30	15.329	8/19/24 19:45	15.398	8/20/24 1:00	15.408
8/19/24 14:35	15.329	8/19/24 19:50	15.408	8/20/24 1:05	15.408
8/19/24 14:40	15.329	8/19/24 19:55	15.398	8/20/24 1:10	15.408
8/19/24 14:45	15.329	8/19/24 20:00	15.398	8/20/24 1:15	15.408
8/19/24 14:50	15.339	8/19/24 20:05	15.398	8/20/24 1:20	15.408
8/19/24 14:55	15.339	8/19/24 20:10	15.398	8/20/24 1:25	15.408
8/19/24 15:00	15.339	8/19/24 20:15	15.398	8/20/24 1:30	15.408
8/19/24 15:05	15.349	8/19/24 20:20	15.398	8/20/24 1:35	15.408
8/19/24 15:10	15.349	8/19/24 20:25	15.398	8/20/24 1:40	15.418

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/20/24 1:45	15.418	8/20/24 7:00	15.447	8/20/24 12:15	15.447
8/20/24 1:50	15.418	8/20/24 7:05	15.447	8/20/24 12:20	15.447
8/20/24 1:55	15.418	8/20/24 7:10	15.447	8/20/24 12:25	15.447
8/20/24 2:00	15.418	8/20/24 7:15	15.447	8/20/24 12:30	15.447
8/20/24 2:05	15.418	8/20/24 7:20	15.447	8/20/24 12:35	15.447
8/20/24 2:10	15.418	8/20/24 7:25	15.447	8/20/24 12:40	15.447
8/20/24 2:15	15.418	8/20/24 7:30	15.447	8/20/24 12:45	15.447
8/20/24 2:20	15.418	8/20/24 7:35	15.447	8/20/24 12:50	15.447
8/20/24 2:25	15.418	8/20/24 7:40	15.447	8/20/24 12:55	15.447
8/20/24 2:30	15.418	8/20/24 7:45	15.447	8/20/24 13:00	15.447
8/20/24 2:35	15.418	8/20/24 7:50	15.447	8/20/24 13:05	15.447
8/20/24 2:40	15.418	8/20/24 7:55	15.447	8/20/24 13:10	15.447
8/20/24 2:45	15.418	8/20/24 8:00	15.447	8/20/24 13:15	15.447
8/20/24 2:50	15.418	8/20/24 8:05	15.447	8/20/24 13:20	15.447
8/20/24 2:55	15.427	8/20/24 8:10	15.447	8/20/24 13:25	15.447
8/20/24 3:00	15.427	8/20/24 8:15	15.447	8/20/24 13:30	15.447
8/20/24 3:05	15.427	8/20/24 8:20	15.447	8/20/24 13:35	15.447
8/20/24 3:10	15.427	8/20/24 8:25	15.437	8/20/24 13:40	15.447
8/20/24 3:15	15.427	8/20/24 8:30	15.437	8/20/24 13:45	15.447
8/20/24 3:20	15.427	8/20/24 8:35	15.437	8/20/24 13:50	15.447
8/20/24 3:25	15.427	8/20/24 8:40	15.437	8/20/24 13:55	15.447
8/20/24 3:30	15.437	8/20/24 8:45	15.437	8/20/24 14:00	15.447
8/20/24 3:35	15.437	8/20/24 8:50	15.437	8/20/24 14:05	15.447
8/20/24 3:40	15.437	8/20/24 8:55	15.437	8/20/24 14:10	15.447
8/20/24 3:45	15.437	8/20/24 9:00	15.437	8/20/24 14:15	15.447
8/20/24 3:50	15.437	8/20/24 9:05	15.447	8/20/24 14:20	15.447
8/20/24 3:55	15.437	8/20/24 9:10	15.447	8/20/24 14:25	15.447
8/20/24 4:00	15.437	8/20/24 9:15	15.447	8/20/24 14:30	15.447
8/20/24 4:05	15.437	8/20/24 9:20	15.447	8/20/24 14:35	15.457
8/20/24 4:10	15.437	8/20/24 9:25	15.447	8/20/24 14:40	15.457
8/20/24 4:15	15.437	8/20/24 9:30	15.447	8/20/24 14:45	15.457
8/20/24 4:20	15.437	8/20/24 9:35	15.447	8/20/24 14:50	15.457
8/20/24 4:25	15.447	8/20/24 9:40	15.447	8/20/24 14:55	15.457
8/20/24 4:30	15.447	8/20/24 9:45	15.447	8/20/24 15:00	15.457
8/20/24 4:35	15.447	8/20/24 9:50	15.447	8/20/24 15:05	15.457
8/20/24 4:40	15.447	8/20/24 9:55	15.447	8/20/24 15:10	15.457
8/20/24 4:45	15.447	8/20/24 10:00	15.447	8/20/24 15:15	15.457
8/20/24 4:50	15.447	8/20/24 10:05	15.447	8/20/24 15:20	15.457
8/20/24 4:55	15.447	8/20/24 10:10	15.447	8/20/24 15:25	15.457
8/20/24 5:00	15.447	8/20/24 10:15	15.447	8/20/24 15:30	15.467
8/20/24 5:05	15.447	8/20/24 10:20	15.447	8/20/24 15:35	15.467
8/20/24 5:10	15.447	8/20/24 10:25	15.447	8/20/24 15:40	15.467
8/20/24 5:15	15.447	8/20/24 10:30	15.447	8/20/24 15:45	15.467
8/20/24 5:20	15.447	8/20/24 10:35	15.447	8/20/24 15:50	15.467
8/20/24 5:25	15.447	8/20/24 10:40	15.447	8/20/24 15:55	15.467
8/20/24 5:30	15.447	8/20/24 10:45	15.447	8/20/24 16:00	15.467
8/20/24 5:35	15.457	8/20/24 10:50	15.447	8/20/24 16:05	15.467
8/20/24 5:40	15.457	8/20/24 10:55	15.447	8/20/24 16:10	15.467
8/20/24 5:45	15.457	8/20/24 11:00	15.447	8/20/24 16:15	15.467
8/20/24 5:50	15.457	8/20/24 11:05	15.447	8/20/24 16:20	15.467
8/20/24 5:55	15.457	8/20/24 11:10	15.447	8/20/24 16:25	15.467
8/20/24 6:00	15.447	8/20/24 11:15	15.447	8/20/24 16:30	15.467
8/20/24 6:05	15.447	8/20/24 11:20	15.447	8/20/24 16:35	15.477
8/20/24 6:10	15.447	8/20/24 11:25	15.447	8/20/24 16:40	15.477
8/20/24 6:15	15.447	8/20/24 11:30	15.447	8/20/24 16:45	15.477
8/20/24 6:20	15.447	8/20/24 11:35	15.447	8/20/24 16:50	15.477
8/20/24 6:25	15.447	8/20/24 11:40	15.447	8/20/24 16:55	15.477
8/20/24 6:30	15.447	8/20/24 11:45	15.447	8/20/24 17:00	15.477
8/20/24 6:35	15.447	8/20/24 11:50	15.447	8/20/24 17:05	15.477
8/20/24 6:40	15.457	8/20/24 11:55	15.447	8/20/24 17:10	15.477
8/20/24 6:45	15.447	8/20/24 12:00	15.447	8/20/24 17:15	15.477
8/20/24 6:50	15.447	8/20/24 12:05	15.447	8/20/24 17:20	15.477
8/20/24 6:55	15.447	8/20/24 12:10	15.447	8/20/24 17:25	15.477

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/20/24 17:30	15.487	8/20/24 22:45	15.546	8/21/24 4:00	15.605
8/20/24 17:35	15.487	8/20/24 22:50	15.546	8/21/24 4:05	15.605
8/20/24 17:40	15.487	8/20/24 22:55	15.546	8/21/24 4:10	15.605
8/20/24 17:45	15.487	8/20/24 23:00	15.546	8/21/24 4:15	15.605
8/20/24 17:50	15.487	8/20/24 23:05	15.546	8/21/24 4:20	15.605
8/20/24 17:55	15.487	8/20/24 23:10	15.546	8/21/24 4:25	15.605
8/20/24 18:00	15.487	8/20/24 23:15	15.546	8/21/24 4:30	15.605
8/20/24 18:05	15.497	8/20/24 23:20	15.546	8/21/24 4:35	15.605
8/20/24 18:10	15.497	8/20/24 23:25	15.556	8/21/24 4:40	15.605
8/20/24 18:15	15.497	8/20/24 23:30	15.556	8/21/24 4:45	15.605
8/20/24 18:20	15.497	8/20/24 23:35	15.566	8/21/24 4:50	15.605
8/20/24 18:25	15.497	8/20/24 23:40	15.566	8/21/24 4:55	15.605
8/20/24 18:30	15.497	8/20/24 23:45	15.566	8/21/24 5:00	15.605
8/20/24 18:35	15.507	8/20/24 23:50	15.566	8/21/24 5:05	15.605
8/20/24 18:40	15.507	8/20/24 23:55	15.566	8/21/24 5:10	15.605
8/20/24 18:45	15.507	8/21/24 0:00	15.566	8/21/24 5:15	15.605
8/20/24 18:50	15.507	8/21/24 0:05	15.575	8/21/24 5:20	15.605
8/20/24 18:55	15.507	8/21/24 0:10	15.575	8/21/24 5:25	15.605
8/20/24 19:00	15.507	8/21/24 0:15	15.575	8/21/24 5:30	15.605
8/20/24 19:05	15.507	8/21/24 0:20	15.585	8/21/24 5:35	15.605
8/20/24 19:10	15.507	8/21/24 0:25	15.585	8/21/24 5:40	15.605
8/20/24 19:15	15.507	8/21/24 0:30	15.585	8/21/24 5:45	15.605
8/20/24 19:20	15.507	8/21/24 0:35	15.585	8/21/24 5:50	15.605
8/20/24 19:25	15.507	8/21/24 0:40	15.585	8/21/24 5:55	15.605
8/20/24 19:30	15.507	8/21/24 0:45	15.585	8/21/24 6:00	15.605
8/20/24 19:35	15.516	8/21/24 0:50	15.585	8/21/24 6:05	15.605
8/20/24 19:40	15.516	8/21/24 0:55	15.585	8/21/24 6:10	15.605
8/20/24 19:45	15.516	8/21/24 1:00	15.595	8/21/24 6:15	15.605
8/20/24 19:50	15.516	8/21/24 1:05	15.595	8/21/24 6:20	15.605
8/20/24 19:55	15.516	8/21/24 1:10	15.595	8/21/24 6:25	15.595
8/20/24 20:00	15.516	8/21/24 1:15	15.595	8/21/24 6:30	15.595
8/20/24 20:05	15.526	8/21/24 1:20	15.595	8/21/24 6:35	15.595
8/20/24 20:10	15.526	8/21/24 1:25	15.595	8/21/24 6:40	15.595
8/20/24 20:15	15.526	8/21/24 1:30	15.595	8/21/24 6:45	15.595
8/20/24 20:20	15.526	8/21/24 1:35	15.605	8/21/24 6:50	15.595
8/20/24 20:25	15.536	8/21/24 1:40	15.595	8/21/24 6:55	15.595
8/20/24 20:30	15.536	8/21/24 1:45	15.595	8/21/24 7:00	15.595
8/20/24 20:35	15.536	8/21/24 1:50	15.595	8/21/24 7:05	15.595
8/20/24 20:40	15.536	8/21/24 1:55	15.595	8/21/24 7:10	15.595
8/20/24 20:45	15.536	8/21/24 2:00	15.595	8/21/24 7:15	15.595
8/20/24 20:50	15.536	8/21/24 2:05	15.595	8/21/24 7:20	15.595
8/20/24 20:55	15.536	8/21/24 2:10	15.595	8/21/24 7:25	15.595
8/20/24 21:00	15.536	8/21/24 2:15	15.595	8/21/24 7:30	15.605
8/20/24 21:05	15.536	8/21/24 2:20	15.605	8/21/24 7:35	15.605
8/20/24 21:10	15.536	8/21/24 2:25	15.605	8/21/24 7:40	15.605
8/20/24 21:15	15.536	8/21/24 2:30	15.605	8/21/24 7:45	15.605
8/20/24 21:20	15.536	8/21/24 2:35	15.595	8/21/24 7:50	15.605
8/20/24 21:25	15.536	8/21/24 2:40	15.595	8/21/24 7:55	15.605
8/20/24 21:30	15.536	8/21/24 2:45	15.595	8/21/24 8:00	15.605
8/20/24 21:35	15.536	8/21/24 2:50	15.595	8/21/24 8:05	15.605
8/20/24 21:40	15.536	8/21/24 2:55	15.605	8/21/24 8:10	15.605
8/20/24 21:45	15.536	8/21/24 3:00	15.605	8/21/24 8:15	15.605
8/20/24 21:50	15.536	8/21/24 3:05	15.605	8/21/24 8:20	15.605
8/20/24 21:55	15.536	8/21/24 3:10	15.595	8/21/24 8:25	15.605
8/20/24 22:00	15.536	8/21/24 3:15	15.595	8/21/24 8:30	15.605
8/20/24 22:05	15.536	8/21/24 3:20	15.595	8/21/24 8:35	15.605
8/20/24 22:10	15.536	8/21/24 3:25	15.605	8/21/24 8:40	15.605
8/20/24 22:15	15.536	8/21/24 3:30	15.605	8/21/24 8:45	15.605
8/20/24 22:20	15.536	8/21/24 3:35	15.605	8/21/24 8:50	15.605
8/20/24 22:25	15.536	8/21/24 3:40	15.605	8/21/24 8:55	15.605
8/20/24 22:30	15.536	8/21/24 3:45	15.605	8/21/24 9:00	15.605
8/20/24 22:35	15.546	8/21/24 3:50	15.605	8/21/24 9:05	15.605
8/20/24 22:40	15.546	8/21/24 3:55	15.605	8/21/24 9:10	15.605

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/21/24 9:15	15.614	8/21/24 14:30	15.634	8/21/24 19:45	15.704
8/21/24 9:20	15.614	8/21/24 14:35	15.634	8/21/24 19:50	15.704
8/21/24 9:25	15.614	8/21/24 14:40	15.634	8/21/24 19:55	15.704
8/21/24 9:30	15.614	8/21/24 14:45	15.634	8/21/24 20:00	15.713
8/21/24 9:35	15.614	8/21/24 14:50	15.634	8/21/24 20:05	15.713
8/21/24 9:40	15.614	8/21/24 14:55	15.634	8/21/24 20:10	15.713
8/21/24 9:45	15.614	8/21/24 15:00	15.634	8/21/24 20:15	15.713
8/21/24 9:50	15.605	8/21/24 15:05	15.644	8/21/24 20:20	15.713
8/21/24 9:55	15.605	8/21/24 15:10	15.644	8/21/24 20:25	15.713
8/21/24 10:00	15.605	8/21/24 15:15	15.644	8/21/24 20:30	15.713
8/21/24 10:05	15.605	8/21/24 15:20	15.644	8/21/24 20:35	15.713
8/21/24 10:10	15.605	8/21/24 15:25	15.644	8/21/24 20:40	15.713
8/21/24 10:15	15.605	8/21/24 15:30	15.644	8/21/24 20:45	15.713
8/21/24 10:20	15.605	8/21/24 15:35	15.644	8/21/24 20:50	15.713
8/21/24 10:25	15.605	8/21/24 15:40	15.644	8/21/24 20:55	15.713
8/21/24 10:30	15.605	8/21/24 15:45	15.644	8/21/24 21:00	15.713
8/21/24 10:35	15.614	8/21/24 15:50	15.644	8/21/24 21:05	15.713
8/21/24 10:40	15.614	8/21/24 15:55	15.654	8/21/24 21:10	15.713
8/21/24 10:45	15.614	8/21/24 16:00	15.654	8/21/24 21:15	15.713
8/21/24 10:50	15.605	8/21/24 16:05	15.654	8/21/24 21:20	15.713
8/21/24 10:55	15.605	8/21/24 16:10	15.654	8/21/24 21:25	15.713
8/21/24 11:00	15.614	8/21/24 16:15	15.654	8/21/24 21:30	15.713
8/21/24 11:05	15.614	8/21/24 16:20	15.654	8/21/24 21:35	15.713
8/21/24 11:10	15.614	8/21/24 16:25	15.654	8/21/24 21:40	15.713
8/21/24 11:15	15.614	8/21/24 16:30	15.664	8/21/24 21:45	15.713
8/21/24 11:20	15.614	8/21/24 16:35	15.664	8/21/24 21:50	15.713
8/21/24 11:25	15.614	8/21/24 16:40	15.664	8/21/24 21:55	15.713
8/21/24 11:30	15.614	8/21/24 16:45	15.664	8/21/24 22:00	15.723
8/21/24 11:35	15.614	8/21/24 16:50	15.664	8/21/24 22:05	15.723
8/21/24 11:40	15.614	8/21/24 16:55	15.664	8/21/24 22:10	15.713
8/21/24 11:45	15.614	8/21/24 17:00	15.664	8/21/24 22:15	15.713
8/21/24 11:50	15.614	8/21/24 17:05	15.664	8/21/24 22:20	15.723
8/21/24 11:55	15.614	8/21/24 17:10	15.664	8/21/24 22:25	15.723
8/21/24 12:00	15.614	8/21/24 17:15	15.674	8/21/24 22:30	15.723
8/21/24 12:05	15.624	8/21/24 17:20	15.674	8/21/24 22:35	15.723
8/21/24 12:10	15.624	8/21/24 17:25	15.674	8/21/24 22:40	15.723
8/21/24 12:15	15.624	8/21/24 17:30	15.674	8/21/24 22:45	15.723
8/21/24 12:20	15.624	8/21/24 17:35	15.674	8/21/24 22:50	15.733
8/21/24 12:25	15.624	8/21/24 17:40	15.674	8/21/24 22:55	15.733
8/21/24 12:30	15.624	8/21/24 17:45	15.674	8/21/24 23:00	15.733
8/21/24 12:35	15.624	8/21/24 17:50	15.674	8/21/24 23:05	15.733
8/21/24 12:40	15.624	8/21/24 17:55	15.674	8/21/24 23:10	15.733
8/21/24 12:45	15.624	8/21/24 18:00	15.684	8/21/24 23:15	15.733
8/21/24 12:50	15.624	8/21/24 18:05	15.684	8/21/24 23:20	15.733
8/21/24 12:55	15.624	8/21/24 18:10	15.674	8/21/24 23:25	15.733
8/21/24 13:00	15.624	8/21/24 18:15	15.684	8/21/24 23:30	15.733
8/21/24 13:05	15.624	8/21/24 18:20	15.684	8/21/24 23:35	15.733
8/21/24 13:10	15.624	8/21/24 18:25	15.674	8/21/24 23:40	15.733
8/21/24 13:15	15.624	8/21/24 18:30	15.684	8/21/24 23:45	15.733
8/21/24 13:20	15.624	8/21/24 18:35	15.684	8/21/24 23:50	15.743
8/21/24 13:25	15.634	8/21/24 18:40	15.684	8/21/24 23:55	15.743
8/21/24 13:30	15.634	8/21/24 18:45	15.694	8/22/24 0:00	15.743
8/21/24 13:35	15.634	8/21/24 18:50	15.694	8/22/24 0:05	15.743
8/21/24 13:40	15.634	8/21/24 18:55	15.694	8/22/24 0:10	15.743
8/21/24 13:45	15.634	8/21/24 19:00	15.694	8/22/24 0:15	15.743
8/21/24 13:50	15.634	8/21/24 19:05	15.694	8/22/24 0:20	15.743
8/21/24 13:55	15.634	8/21/24 19:10	15.694	8/22/24 0:25	15.743
8/21/24 14:00	15.634	8/21/24 19:15	15.694	8/22/24 0:30	15.743
8/21/24 14:05	15.634	8/21/24 19:20	15.704	8/22/24 0:35	15.743
8/21/24 14:10	15.634	8/21/24 19:25	15.704	8/22/24 0:40	15.743
8/21/24 14:15	15.634	8/21/24 19:30	15.704	8/22/24 0:45	15.743
8/21/24 14:20	15.634	8/21/24 19:35	15.704	8/22/24 0:50	15.743
8/21/24 14:25	15.634	8/21/24 19:40	15.704	8/22/24 0:55	15.743

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/22/24 1:00	15.743	8/22/24 6:15	15.782	8/22/24 11:30	15.792
8/22/24 1:05	15.743	8/22/24 6:20	15.782	8/22/24 11:35	15.792
8/22/24 1:10	15.743	8/22/24 6:25	15.782	8/22/24 11:40	15.792
8/22/24 1:15	15.743	8/22/24 6:30	15.782	8/22/24 11:45	15.792
8/22/24 1:20	15.743	8/22/24 6:35	15.782	8/22/24 11:50	15.792
8/22/24 1:25	15.743	8/22/24 6:40	15.782	8/22/24 11:55	15.792
8/22/24 1:30	15.753	8/22/24 6:45	15.782	8/22/24 12:00	15.792
8/22/24 1:35	15.753	8/22/24 6:50	15.773	8/22/24 12:05	15.792
8/22/24 1:40	15.753	8/22/24 6:55	15.773	8/22/24 12:10	15.782
8/22/24 1:45	15.753	8/22/24 7:00	15.773	8/22/24 12:15	15.782
8/22/24 1:50	15.753	8/22/24 7:05	15.773	8/22/24 12:20	15.782
8/22/24 1:55	15.753	8/22/24 7:10	15.773	8/22/24 12:25	15.782
8/22/24 2:00	15.753	8/22/24 7:15	15.773	8/22/24 12:30	15.782
8/22/24 2:05	15.763	8/22/24 7:20	15.773	8/22/24 12:35	15.782
8/22/24 2:10	15.763	8/22/24 7:25	15.773	8/22/24 12:40	15.782
8/22/24 2:15	15.763	8/22/24 7:30	15.773	8/22/24 12:45	15.782
8/22/24 2:20	15.763	8/22/24 7:35	15.773	8/22/24 12:50	15.782
8/22/24 2:25	15.763	8/22/24 7:40	15.773	8/22/24 12:55	15.782
8/22/24 2:30	15.763	8/22/24 7:45	15.773	8/22/24 13:00	15.792
8/22/24 2:35	15.763	8/22/24 7:50	15.773	8/22/24 13:05	15.792
8/22/24 2:40	15.763	8/22/24 7:55	15.773	8/22/24 13:10	15.792
8/22/24 2:45	15.763	8/22/24 8:00	15.773	8/22/24 13:15	15.792
8/22/24 2:50	15.763	8/22/24 8:05	15.773	8/22/24 13:20	15.792
8/22/24 2:55	15.763	8/22/24 8:10	15.773	8/22/24 13:25	15.801
8/22/24 3:00	15.763	8/22/24 8:15	15.773	8/22/24 13:30	15.801
8/22/24 3:05	15.763	8/22/24 8:20	15.773	8/22/24 13:35	15.801
8/22/24 3:10	15.763	8/22/24 8:25	15.773	8/22/24 13:40	15.801
8/22/24 3:15	15.763	8/22/24 8:30	15.773	8/22/24 13:45	15.801
8/22/24 3:20	15.763	8/22/24 8:35	15.773	8/22/24 13:50	15.801
8/22/24 3:25	15.763	8/22/24 8:40	15.773	8/22/24 13:55	15.801
8/22/24 3:30	15.773	8/22/24 8:45	15.773	8/22/24 14:00	15.801
8/22/24 3:35	15.773	8/22/24 8:50	15.773	8/22/24 14:05	15.801
8/22/24 3:40	15.773	8/22/24 8:55	15.773	8/22/24 14:10	15.801
8/22/24 3:45	15.773	8/22/24 9:00	15.773	8/22/24 14:15	15.811
8/22/24 3:50	15.773	8/22/24 9:05	15.773	8/22/24 14:20	15.811
8/22/24 3:55	15.773	8/22/24 9:10	15.773	8/22/24 14:25	15.811
8/22/24 4:00	15.773	8/22/24 9:15	15.773	8/22/24 14:30	15.811
8/22/24 4:05	15.773	8/22/24 9:20	15.773	8/22/24 14:35	15.821
8/22/24 4:10	15.773	8/22/24 9:25	15.773	8/22/24 14:40	15.821
8/22/24 4:15	15.773	8/22/24 9:30	15.773	8/22/24 14:45	15.821
8/22/24 4:20	15.773	8/22/24 9:35	15.773	8/22/24 14:50	15.821
8/22/24 4:25	15.773	8/22/24 9:40	15.773	8/22/24 14:55	15.811
8/22/24 4:30	15.773	8/22/24 9:45	15.773	8/22/24 15:00	15.811
8/22/24 4:35	15.773	8/22/24 9:50	15.773	8/22/24 15:05	15.811
8/22/24 4:40	15.773	8/22/24 9:55	15.773	8/22/24 15:10	15.811
8/22/24 4:45	15.773	8/22/24 10:00	15.773	8/22/24 15:15	15.801
8/22/24 4:50	15.773	8/22/24 10:05	15.773	8/22/24 15:20	15.801
8/22/24 4:55	15.773	8/22/24 10:10	15.773	8/22/24 15:25	15.801
8/22/24 5:00	15.773	8/22/24 10:15	15.792	8/22/24 15:30	15.811
8/22/24 5:05	15.773	8/22/24 10:20	15.792	8/22/24 15:35	15.811
8/22/24 5:10	15.773	8/22/24 10:25	15.792	8/22/24 15:40	15.811
8/22/24 5:15	15.773	8/22/24 10:30	15.792	8/22/24 15:45	15.811
8/22/24 5:20	15.782	8/22/24 10:35	15.792	8/22/24 15:50	15.811
8/22/24 5:25	15.782	8/22/24 10:40	15.792	8/22/24 15:55	15.811
8/22/24 5:30	15.782	8/22/24 10:45	15.792	8/22/24 16:00	15.811
8/22/24 5:35	15.782	8/22/24 10:50	15.792	8/22/24 16:05	15.821
8/22/24 5:40	15.782	8/22/24 10:55	15.792	8/22/24 16:10	15.821
8/22/24 5:45	15.782	8/22/24 11:00	15.792	8/22/24 16:15	15.821
8/22/24 5:50	15.782	8/22/24 11:05	15.792	8/22/24 16:20	15.821
8/22/24 5:55	15.782	8/22/24 11:10	15.792	8/22/24 16:25	15.821
8/22/24 6:00	15.782	8/22/24 11:15	15.792	8/22/24 16:30	15.821
8/22/24 6:05	15.782	8/22/24 11:20	15.792	8/22/24 16:35	15.821
8/22/24 6:10	15.782	8/22/24 11:25	15.792	8/22/24 16:40	15.831

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/22/24 16:45	15.831	8/22/24 22:00	15.87	8/23/24 3:15	15.89
8/22/24 16:50	15.831	8/22/24 22:05	15.87	8/23/24 3:20	15.89
8/22/24 16:55	15.831	8/22/24 22:10	15.87	8/23/24 3:25	15.89
8/22/24 17:00	15.841	8/22/24 22:15	15.87	8/23/24 3:30	15.89
8/22/24 17:05	15.841	8/22/24 22:20	15.87	8/23/24 3:35	15.89
8/22/24 17:10	15.841	8/22/24 22:25	15.87	8/23/24 3:40	15.89
8/22/24 17:15	15.841	8/22/24 22:30	15.87	8/23/24 3:45	15.89
8/22/24 17:20	15.841	8/22/24 22:35	15.87	8/23/24 3:50	15.89
8/22/24 17:25	15.841	8/22/24 22:40	15.87	8/23/24 3:55	15.89
8/22/24 17:30	15.841	8/22/24 22:45	15.87	8/23/24 4:00	15.89
8/22/24 17:35	15.851	8/22/24 22:50	15.87	8/23/24 4:05	15.89
8/22/24 17:40	15.851	8/22/24 22:55	15.87	8/23/24 4:10	15.89
8/22/24 17:45	15.851	8/22/24 23:00	15.87	8/23/24 4:15	15.89
8/22/24 17:50	15.851	8/22/24 23:05	15.87	8/23/24 4:20	15.89
8/22/24 17:55	15.851	8/22/24 23:10	15.87	8/23/24 4:25	15.89
8/22/24 18:00	15.851	8/22/24 23:15	15.87	8/23/24 4:30	15.89
8/22/24 18:05	15.851	8/22/24 23:20	15.87	8/23/24 4:35	15.89
8/22/24 18:10	15.851	8/22/24 23:25	15.87	8/23/24 4:40	15.89
8/22/24 18:15	15.86	8/22/24 23:30	15.87	8/23/24 4:45	15.89
8/22/24 18:20	15.86	8/22/24 23:35	15.87	8/23/24 4:50	15.89
8/22/24 18:25	15.86	8/22/24 23:40	15.87	8/23/24 4:55	15.89
8/22/24 18:30	15.86	8/22/24 23:45	15.87	8/23/24 5:00	15.89
8/22/24 18:35	15.86	8/22/24 23:50	15.87	8/23/24 5:05	15.9
8/22/24 18:40	15.86	8/22/24 23:55	15.87	8/23/24 5:10	15.9
8/22/24 18:45	15.86	8/23/24 0:00	15.88	8/23/24 5:15	15.9
8/22/24 18:50	15.87	8/23/24 0:05	15.88	8/23/24 5:20	15.9
8/22/24 18:55	15.87	8/23/24 0:10	15.87	8/23/24 5:25	15.9
8/22/24 19:00	15.87	8/23/24 0:15	15.87	8/23/24 5:30	15.9
8/22/24 19:05	15.87	8/23/24 0:20	15.87	8/23/24 5:35	15.9
8/22/24 19:10	15.87	8/23/24 0:25	15.87	8/23/24 5:40	15.9
8/22/24 19:15	15.87	8/23/24 0:30	15.87	8/23/24 5:45	15.9
8/22/24 19:20	15.87	8/23/24 0:35	15.87	8/23/24 5:50	15.9
8/22/24 19:25	15.87	8/23/24 0:40	15.87	8/23/24 5:55	15.9
8/22/24 19:30	15.87	8/23/24 0:45	15.87	8/23/24 6:00	15.9
8/22/24 19:35	15.87	8/23/24 0:50	15.87	8/23/24 6:05	15.9
8/22/24 19:40	15.87	8/23/24 0:55	15.87	8/23/24 6:10	15.9
8/22/24 19:45	15.87	8/23/24 1:00	15.87	8/23/24 6:15	15.9
8/22/24 19:50	15.87	8/23/24 1:05	15.88	8/23/24 6:20	15.9
8/22/24 19:55	15.87	8/23/24 1:10	15.87	8/23/24 6:25	15.89
8/22/24 20:00	15.87	8/23/24 1:15	15.88	8/23/24 6:30	15.89
8/22/24 20:05	15.87	8/23/24 1:20	15.88	8/23/24 6:35	15.89
8/22/24 20:10	15.87	8/23/24 1:25	15.88	8/23/24 6:40	15.89
8/22/24 20:15	15.87	8/23/24 1:30	15.88	8/23/24 6:45	15.89
8/22/24 20:20	15.87	8/23/24 1:35	15.88	8/23/24 6:50	15.89
8/22/24 20:25	15.87	8/23/24 1:40	15.88	8/23/24 6:55	15.9
8/22/24 20:30	15.87	8/23/24 1:45	15.88	8/23/24 7:00	15.9
8/22/24 20:35	15.87	8/23/24 1:50	15.88	8/23/24 7:05	15.9
8/22/24 20:40	15.87	8/23/24 1:55	15.88	8/23/24 7:10	15.89
8/22/24 20:45	15.87	8/23/24 2:00	15.88	8/23/24 7:15	15.89
8/22/24 20:50	15.87	8/23/24 2:05	15.88	8/23/24 7:20	15.89
8/22/24 20:55	15.87	8/23/24 2:10	15.88	8/23/24 7:25	15.89
8/22/24 21:00	15.87	8/23/24 2:15	15.88	8/23/24 7:30	15.89
8/22/24 21:05	15.87	8/23/24 2:20	15.88	8/23/24 7:35	15.89
8/22/24 21:10	15.87	8/23/24 2:25	15.88	8/23/24 7:40	15.89
8/22/24 21:15	15.87	8/23/24 2:30	15.88	8/23/24 7:45	15.89
8/22/24 21:20	15.87	8/23/24 2:35	15.88	8/23/24 7:50	15.89
8/22/24 21:25	15.87	8/23/24 2:40	15.88	8/23/24 7:55	15.89
8/22/24 21:30	15.87	8/23/24 2:45	15.88	8/23/24 8:00	15.89
8/22/24 21:35	15.87	8/23/24 2:50	15.88	8/23/24 8:05	15.89
8/22/24 21:40	15.87	8/23/24 2:55	15.88	8/23/24 8:10	15.89
8/22/24 21:45	15.87	8/23/24 3:00	15.89	8/23/24 8:15	15.89
8/22/24 21:50	15.87	8/23/24 3:05	15.89	8/23/24 8:20	15.89
8/22/24 21:55	15.87	8/23/24 3:10	15.89	8/23/24 8:25	15.89

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/23/24 8:30	15.88	8/23/24 13:45	15.841	8/23/24 19:00	15.883
8/23/24 8:35	15.88	8/23/24 13:50	15.841	8/23/24 19:05	15.883
8/23/24 8:40	15.88	8/23/24 13:55	15.841	8/23/24 19:10	15.883
8/23/24 8:45	15.88	8/23/24 14:00	15.841	8/23/24 19:15	15.883
8/23/24 8:50	15.87	8/23/24 14:05	15.841	8/23/24 19:20	15.873
8/23/24 8:55	15.87	8/23/24 14:10	15.841	8/23/24 19:25	15.873
8/23/24 9:00	15.87	8/23/24 14:15	15.841	8/23/24 19:30	15.873
8/23/24 9:05	15.87	8/23/24 14:20	15.841	8/23/24 19:35	15.873
8/23/24 9:10	15.87	8/23/24 14:25	15.841	8/23/24 19:40	15.873
8/23/24 9:15	15.87	8/23/24 14:30	15.851	8/23/24 19:45	15.873
8/23/24 9:20	15.87	8/23/24 14:35	15.851	8/23/24 19:50	15.873
8/23/24 9:25	15.87	8/23/24 14:40	15.851	8/23/24 19:55	15.873
8/23/24 9:30	15.86	8/23/24 14:45	15.851	8/23/24 20:00	15.873
8/23/24 9:35	15.86	8/23/24 14:50	15.851	8/23/24 20:05	15.873
8/23/24 9:40	15.86	8/23/24 14:55	15.851	8/23/24 20:10	15.863
8/23/24 9:45	15.86	8/23/24 15:00	15.861	8/23/24 20:15	15.863
8/23/24 9:50	15.86	8/23/24 15:05	15.851	8/23/24 20:20	15.863
8/23/24 9:55	15.851	8/23/24 15:10	15.861	8/23/24 20:25	15.863
8/23/24 10:00	15.851	8/23/24 15:15	15.861	8/23/24 20:30	15.863
8/23/24 10:05	15.851	8/23/24 15:20	15.851	8/23/24 20:35	15.853
8/23/24 10:10	15.851	8/23/24 15:25	15.861	8/23/24 20:40	15.853
8/23/24 10:15	15.851	8/23/24 15:30	15.851	8/23/24 20:45	15.853
8/23/24 10:20	15.851	8/23/24 15:35	15.861	8/23/24 20:50	15.853
8/23/24 10:25	15.851	8/23/24 15:40	15.861	8/23/24 20:55	15.853
8/23/24 10:30	15.851	8/23/24 15:45	15.861	8/23/24 21:00	15.853
8/23/24 10:35	15.851	8/23/24 15:50	15.861	8/23/24 21:05	15.853
8/23/24 10:40	15.851	8/23/24 15:55	15.861	8/23/24 21:10	15.853
8/23/24 10:45	15.851	8/23/24 16:00	15.861	8/23/24 21:15	15.853
8/23/24 10:50	15.851	8/23/24 16:05	15.861	8/23/24 21:20	15.853
8/23/24 10:55	15.851	8/23/24 16:10	15.861	8/23/24 21:25	15.853
8/23/24 11:00	15.851	8/23/24 16:15	15.861	8/23/24 21:30	15.853
8/23/24 11:05	15.851	8/23/24 16:20	15.861	8/23/24 21:35	15.853
8/23/24 11:10	15.851	8/23/24 16:25	15.861	8/23/24 21:40	15.853
8/23/24 11:15	15.851	8/23/24 16:30	15.861	8/23/24 21:45	15.853
8/23/24 11:20	15.851	8/23/24 16:35	15.861	8/23/24 21:50	15.853
8/23/24 11:25	15.851	8/23/24 16:40	15.871	8/23/24 21:55	15.853
8/23/24 11:30	15.851	8/23/24 16:45	15.871	8/23/24 22:00	15.853
8/23/24 11:35	15.851	8/23/24 16:50	15.871	8/23/24 22:05	15.853
8/23/24 11:40	15.851	8/23/24 16:55	15.871	8/23/24 22:10	15.853
8/23/24 11:45	15.851	8/23/24 17:00	15.871	8/23/24 22:15	15.853
8/23/24 11:50	15.851	8/23/24 17:05	15.871	8/23/24 22:20	15.863
8/23/24 11:55	15.851	8/23/24 17:10	15.871	8/23/24 22:25	15.863
8/23/24 12:00	15.851	8/23/24 17:15	15.871	8/23/24 22:30	15.863
8/23/24 12:05	15.851	8/23/24 17:20	15.871	8/23/24 22:35	15.863
8/23/24 12:10	15.851	8/23/24 17:25	15.871	8/23/24 22:40	15.863
8/23/24 12:15	15.851	8/23/24 17:30	15.871	8/23/24 22:45	15.863
8/23/24 12:20	15.851	8/23/24 17:35	15.881	8/23/24 22:50	15.863
8/23/24 12:25	15.851	8/23/24 17:40	15.881	8/23/24 22:55	15.863
8/23/24 12:30	15.851	8/23/24 17:45	15.881	8/23/24 23:00	15.863
8/23/24 12:35	15.851	8/23/24 17:50	15.881	8/23/24 23:05	15.863
8/23/24 12:40	15.851	8/23/24 17:55	15.881	8/23/24 23:10	15.863
8/23/24 12:45	15.851	8/23/24 18:00	15.881	8/23/24 23:15	15.863
8/23/24 12:50	15.841	8/23/24 18:05	15.873	8/23/24 23:20	15.863
8/23/24 12:55	15.841	8/23/24 18:10	15.873	8/23/24 23:25	15.863
8/23/24 13:00	15.841	8/23/24 18:15	15.873	8/23/24 23:30	15.863
8/23/24 13:05	15.841	8/23/24 18:20	15.873	8/23/24 23:35	15.863
8/23/24 13:10	15.841	8/23/24 18:25	15.873	8/23/24 23:40	15.863
8/23/24 13:15	15.841	8/23/24 18:30	15.863	8/23/24 23:45	15.873
8/23/24 13:20	15.841	8/23/24 18:35	15.873	8/23/24 23:50	15.863
8/23/24 13:25	15.841	8/23/24 18:40	15.883	8/23/24 23:55	15.863
8/23/24 13:30	15.841	8/23/24 18:45	15.883	8/24/24 0:00	15.863
8/23/24 13:35	15.841	8/23/24 18:50	15.883	8/24/24 0:05	15.863
8/23/24 13:40	15.841	8/23/24 18:55	15.883	8/24/24 0:10	15.863

Observation well OW-1A
45040 Calpella Street

Time	Depth	Time	Depth	Time	Depth
8/24/24 0:15	15.863	8/24/24 5:30	15.863		
8/24/24 0:20	15.863	8/24/24 5:35	15.863		
8/24/24 0:25	15.863	8/24/24 5:40	15.863		
8/24/24 0:30	15.863	8/24/24 5:45	15.863		
8/24/24 0:35	15.863	8/24/24 5:50	15.863		
8/24/24 0:40	15.863	8/24/24 5:55	15.863		
8/24/24 0:45	15.863	8/24/24 6:00	15.853		
8/24/24 0:50	15.863	8/24/24 6:05	15.853		
8/24/24 0:55	15.863	8/24/24 6:10	15.853		
8/24/24 1:00	15.863	8/24/24 6:15	15.853		
8/24/24 1:05	15.863	8/24/24 6:20	15.853		
8/24/24 1:10	15.863	8/24/24 6:25	15.853		
8/24/24 1:15	15.863	8/24/24 6:30	15.853		
8/24/24 1:20	15.863	8/24/24 6:35	15.843		
8/24/24 1:25	15.863	8/24/24 6:40	15.843		
8/24/24 1:30	15.863	8/24/24 6:45	15.843		
8/24/24 1:35	15.863	8/24/24 6:50	15.843		
8/24/24 1:40	15.863	8/24/24 6:55	15.843		
8/24/24 1:45	15.863	8/24/24 7:00	15.843		
8/24/24 1:50	15.863	8/24/24 7:05	15.833		
8/24/24 1:55	15.863	8/24/24 7:10	15.833		
8/24/24 2:00	15.873	8/24/24 7:15	15.833		
8/24/24 2:05	15.873	8/24/24 7:20	15.833		
8/24/24 2:10	15.873	8/24/24 7:25	15.833		
8/24/24 2:15	15.873	8/24/24 7:30	15.833		
8/24/24 2:20	15.873	8/24/24 7:35	15.833		
8/24/24 2:25	15.873	8/24/24 7:40	15.824		
8/24/24 2:30	15.873	8/24/24 7:45	15.824		
8/24/24 2:35	15.873	8/24/24 7:50	15.824		
8/24/24 2:40	15.873	8/24/24 7:55	15.824		
8/24/24 2:45	15.873	8/24/24 8:00	15.833		
8/24/24 2:50	15.863	8/24/24 8:05	15.833		
8/24/24 2:55	15.863	8/24/24 8:10	15.824		
8/24/24 3:00	15.863	8/24/24 8:15	15.824		
8/24/24 3:05	15.863	8/24/24 8:20	15.824		
8/24/24 3:10	15.863	8/24/24 8:25	15.814		
8/24/24 3:15	15.863	8/24/24 8:30	15.814		
8/24/24 3:20	15.863	8/24/24 8:35	15.814		
8/24/24 3:25	15.863	8/24/24 8:40	15.814		
8/24/24 3:30	15.863	8/24/24 8:45	15.814		
8/24/24 3:35	15.873	8/24/24 8:50	15.814		
8/24/24 3:40	15.873	8/24/24 8:55	15.814		
8/24/24 3:45	15.873	8/24/24 9:00	15.804		
8/24/24 3:50	15.873	8/24/24 9:05	15.804		
8/24/24 3:55	15.873	8/24/24 9:10	15.804		
8/24/24 4:00	15.873	8/24/24 9:15	15.804		
8/24/24 4:05	15.873	8/24/24 9:20	15.804		
8/24/24 4:10	15.873	8/24/24 9:25	15.804		
8/24/24 4:15	15.873				
8/24/24 4:20	15.873				
8/24/24 4:25	15.873				
8/24/24 4:30	15.873				
8/24/24 4:35	15.873				
8/24/24 4:40	15.863				
8/24/24 4:45	15.863				
8/24/24 4:50	15.873				
8/24/24 4:55	15.863				
8/24/24 5:00	15.873				
8/24/24 5:05	15.873				
8/24/24 5:10	15.873				
8/24/24 5:15	15.863				
8/24/24 5:20	15.863				
8/24/24 5:25	15.863				

Observation Well OW-2A
10540 Lansing Street

Time	Depth	Time	Depth	Time	Depth
time as number	OW-2A	8/19/24 15:25	22.36	8/19/24 20:45	22.439
8/19/24 10:10	22.35	8/19/24 15:30	22.36	8/19/24 20:50	22.439
8/19/24 10:15	22.33	8/19/24 15:35	22.36	8/19/24 20:55	22.439
8/19/24 10:20	22.32	8/19/24 15:40	22.36	8/19/24 21:00	22.439
8/19/24 10:25	22.32	8/19/24 15:45	22.37	8/19/24 21:05	22.439
8/19/24 10:30	22.311	8/19/24 15:50	22.37	8/19/24 21:10	22.439
8/19/24 10:35	22.311	8/19/24 15:55	22.37	8/19/24 21:15	22.439
8/19/24 10:40	22.301	8/19/24 16:00	22.37	8/19/24 21:20	22.439
8/19/24 10:45	22.311	8/19/24 16:05	22.37	8/19/24 21:25	22.439
8/19/24 10:50	22.311	8/19/24 16:10	22.37	8/19/24 21:30	22.439
8/19/24 10:55	22.281	8/19/24 16:15	22.37	8/19/24 21:35	22.439
8/19/24 11:00	22.291	8/19/24 16:20	22.37	8/19/24 21:40	22.448
8/19/24 11:05	22.291	8/19/24 16:25	22.37	8/19/24 21:45	22.448
8/19/24 11:10	22.291	8/19/24 16:30	22.37	8/19/24 21:50	22.448
8/19/24 11:15	22.291	8/19/24 16:35	22.37	8/19/24 21:55	22.448
8/19/24 11:20	22.291	8/19/24 16:40	22.379	8/19/24 22:00	22.448
8/19/24 11:25	22.301	8/19/24 16:45	22.37	8/19/24 22:05	22.448
8/19/24 11:30	22.301	8/19/24 16:50	22.37	8/19/24 22:10	22.448
8/19/24 11:35	22.301	8/19/24 16:55	22.37	8/19/24 22:15	22.448
8/19/24 11:40	22.301	8/19/24 17:00	22.37	8/19/24 22:20	22.448
8/19/24 11:45	22.301	8/19/24 17:05	22.37	8/19/24 22:25	22.448
8/19/24 11:50	22.301	8/19/24 17:10	22.379	8/19/24 22:30	22.448
8/19/24 11:55	22.311	8/19/24 17:15	22.379	8/19/24 22:35	22.448
8/19/24 12:00	22.311	8/19/24 17:20	22.389	8/19/24 22:40	22.448
8/19/24 12:05	22.311	8/19/24 17:25	22.389	8/19/24 22:45	22.448
8/19/24 12:10	22.311	8/19/24 17:30	22.379	8/19/24 22:50	22.458
8/19/24 12:15	22.311	8/19/24 17:35	22.389	8/19/24 22:55	22.458
8/19/24 12:20	22.311	8/19/24 17:40	22.389	8/19/24 23:00	22.458
8/19/24 12:25	22.32	8/19/24 17:45	22.389	8/19/24 23:05	22.458
8/19/24 12:30	22.32	8/19/24 17:50	22.399	8/19/24 23:10	22.458
8/19/24 12:35	22.32	8/19/24 17:55	22.399	8/19/24 23:15	22.458
8/19/24 12:40	22.32	8/19/24 18:00	22.399	8/19/24 23:20	22.458
8/19/24 12:45	22.32	8/19/24 18:05	22.399	8/19/24 23:25	22.458
8/19/24 12:50	22.32	8/19/24 18:10	22.409	8/19/24 23:30	22.458
8/19/24 12:55	22.32	8/19/24 18:15	22.409	8/19/24 23:35	22.458
8/19/24 13:00	22.33	8/19/24 18:20	22.409	8/19/24 23:40	22.458
8/19/24 13:05	22.33	8/19/24 18:25	22.409	8/19/24 23:45	22.468
8/19/24 13:10	22.33	8/19/24 18:30	22.409	8/19/24 23:50	22.468
8/19/24 13:15	22.33	8/19/24 18:35	22.409	8/19/24 23:55	22.468
8/19/24 13:20	22.33	8/19/24 18:40	22.419	8/20/24 0:00	22.468
8/19/24 13:25	22.33	8/19/24 18:45	22.419	8/20/24 0:05	22.468
8/19/24 13:30	22.33	8/19/24 18:50	22.419	8/20/24 0:10	22.468
8/19/24 13:35	22.33	8/19/24 18:55	22.419	8/20/24 0:15	22.468
8/19/24 13:40	22.34	8/19/24 19:00	22.419	8/20/24 0:20	22.468
8/19/24 13:45	22.34	8/19/24 19:05	22.419	8/20/24 0:25	22.468
8/19/24 13:50	22.34	8/19/24 19:10	22.419	8/20/24 0:30	22.468
8/19/24 13:55	22.34	8/19/24 19:15	22.429	8/20/24 0:35	22.468
8/19/24 14:00	22.34	8/19/24 19:20	22.429	8/20/24 0:40	22.468
8/19/24 14:05	22.34	8/19/24 19:25	22.429	8/20/24 0:45	22.468
8/19/24 14:10	22.34	8/19/24 19:30	22.429	8/20/24 0:50	22.478
8/19/24 14:15	22.35	8/19/24 19:35	22.429	8/20/24 0:55	22.468
8/19/24 14:20	22.35	8/19/24 19:40	22.429	8/20/24 1:00	22.468
8/19/24 14:25	22.35	8/19/24 19:45	22.429	8/20/24 1:05	22.468
8/19/24 14:30	22.35	8/19/24 19:50	22.429	8/20/24 1:10	22.468
8/19/24 14:35	22.35	8/19/24 19:55	22.429	8/20/24 1:15	22.468
8/19/24 14:40	22.35	8/19/24 20:00	22.429	8/20/24 1:20	22.468
8/19/24 14:45	22.35	8/19/24 20:05	22.429	8/20/24 1:25	22.468
8/19/24 14:50	22.34	8/19/24 20:10	22.429	8/20/24 1:30	22.468
8/19/24 14:55	22.35	8/19/24 20:15	22.439	8/20/24 1:35	22.468
8/19/24 15:00	22.35	8/19/24 20:20	22.439	8/20/24 1:40	22.468
8/19/24 15:05	22.35	8/19/24 20:25	22.439	8/20/24 1:45	22.478
8/19/24 15:10	22.36	8/19/24 20:30	22.439	8/20/24 1:50	22.478
8/19/24 15:15	22.36	8/19/24 20:35	22.439	8/20/24 1:55	22.478
8/19/24 15:20	22.36	8/19/24 20:40	22.439	8/20/24 2:00	22.478

Observation Well OW-2A
10540 Lansing Street

Time	Depth	Time	Depth	Time	Depth
8/20/24 2:05	22.478	8/20/24 7:25	22.439	8/20/24 12:45	22.449
8/20/24 2:10	22.478	8/20/24 7:30	22.439	8/20/24 12:50	22.449
8/20/24 2:15	22.478	8/20/24 7:35	22.439	8/20/24 12:55	22.459
8/20/24 2:20	22.478	8/20/24 7:40	22.429	8/20/24 13:00	22.459
8/20/24 2:25	22.468	8/20/24 7:45	22.429	8/20/24 13:05	22.449
8/20/24 2:30	22.468	8/20/24 7:50	22.429	8/20/24 13:10	22.449
8/20/24 2:35	22.458	8/20/24 7:55	22.439	8/20/24 13:15	22.459
8/20/24 2:40	22.458	8/20/24 8:00	22.429	8/20/24 13:20	22.459
8/20/24 2:45	22.458	8/20/24 8:05	22.429	8/20/24 13:25	22.459
8/20/24 2:50	22.458	8/20/24 8:10	22.429	8/20/24 13:30	22.459
8/20/24 2:55	22.458	8/20/24 8:15	22.429	8/20/24 13:35	22.459
8/20/24 3:00	22.458	8/20/24 8:20	22.419	8/20/24 13:40	22.459
8/20/24 3:05	22.458	8/20/24 8:25	22.419	8/20/24 13:45	22.459
8/20/24 3:10	22.458	8/20/24 8:30	22.419	8/20/24 13:50	22.459
8/20/24 3:15	22.458	8/20/24 8:35	22.419	8/20/24 13:55	22.459
8/20/24 3:20	22.458	8/20/24 8:40	22.419	8/20/24 14:00	22.459
8/20/24 3:25	22.458	8/20/24 8:45	22.419	8/20/24 14:05	22.459
8/20/24 3:30	22.458	8/20/24 8:50	22.419	8/20/24 14:10	22.459
8/20/24 3:35	22.458	8/20/24 8:55	22.429	8/20/24 14:15	22.459
8/20/24 3:40	22.458	8/20/24 9:00	22.429	8/20/24 14:20	22.459
8/20/24 3:45	22.458	8/20/24 9:05	22.419	8/20/24 14:25	22.469
8/20/24 3:50	22.458	8/20/24 9:10	22.429	8/20/24 14:30	22.469
8/20/24 3:55	22.458	8/20/24 9:15	22.419	8/20/24 14:35	22.469
8/20/24 4:00	22.458	8/20/24 9:20	22.429	8/20/24 14:40	22.469
8/20/24 4:05	22.458	8/20/24 9:25	22.429	8/20/24 14:45	22.469
8/20/24 4:10	22.458	8/20/24 9:30	22.429	8/20/24 14:50	22.469
8/20/24 4:15	22.458	8/20/24 9:35	22.429	8/20/24 14:55	22.469
8/20/24 4:20	22.458	8/20/24 9:40	22.439	8/20/24 15:00	22.469
8/20/24 4:25	22.468	8/20/24 9:45	22.429	8/20/24 15:05	22.469
8/20/24 4:30	22.468	8/20/24 9:50	22.429	8/20/24 15:10	22.469
8/20/24 4:35	22.468	8/20/24 9:55	22.429	8/20/24 15:15	22.469
8/20/24 4:40	22.468	8/20/24 10:00	22.439	8/20/24 15:20	22.469
8/20/24 4:45	22.468	8/20/24 10:05	22.439	8/20/24 15:25	22.469
8/20/24 4:50	22.468	8/20/24 10:10	22.439	8/20/24 15:30	22.478
8/20/24 4:55	22.468	8/20/24 10:15	22.429	8/20/24 15:35	22.478
8/20/24 5:00	22.468	8/20/24 10:20	22.429	8/20/24 15:40	22.478
8/20/24 5:05	22.468	8/20/24 10:25	22.429	8/20/24 15:45	22.478
8/20/24 5:10	22.468	8/20/24 10:30	22.429	8/20/24 15:50	22.478
8/20/24 5:15	22.468	8/20/24 10:35	22.439	8/20/24 15:55	22.478
8/20/24 5:20	22.468	8/20/24 10:40	22.439	8/20/24 16:00	22.469
8/20/24 5:25	22.468	8/20/24 10:45	22.439	8/20/24 16:05	22.478
8/20/24 5:30	22.468	8/20/24 10:50	22.429	8/20/24 16:10	22.478
8/20/24 5:35	22.468	8/20/24 10:55	22.439	8/20/24 16:15	22.478
8/20/24 5:40	22.468	8/20/24 11:00	22.439	8/20/24 16:20	22.478
8/20/24 5:45	22.468	8/20/24 11:05	22.439	8/20/24 16:25	22.469
8/20/24 5:50	22.468	8/20/24 11:10	22.439	8/20/24 16:30	22.478
8/20/24 5:55	22.468	8/20/24 11:15	22.439	8/20/24 16:35	22.478
8/20/24 6:00	22.468	8/20/24 11:20	22.439	8/20/24 16:40	22.478
8/20/24 6:05	22.468	8/20/24 11:25	22.439	8/20/24 16:45	22.488
8/20/24 6:10	22.468	8/20/24 11:30	22.439	8/20/24 16:50	22.488
8/20/24 6:15	22.468	8/20/24 11:35	22.439	8/20/24 16:55	22.488
8/20/24 6:20	22.458	8/20/24 11:40	22.439	8/20/24 17:00	22.488
8/20/24 6:25	22.458	8/20/24 11:45	22.439	8/20/24 17:05	22.478
8/20/24 6:30	22.458	8/20/24 11:50	22.449	8/20/24 17:10	22.478
8/20/24 6:35	22.468	8/20/24 11:55	22.439	8/20/24 17:15	22.478
8/20/24 6:40	22.458	8/20/24 12:00	22.439	8/20/24 17:20	22.478
8/20/24 6:45	22.458	8/20/24 12:05	22.449	8/20/24 17:25	22.478
8/20/24 6:50	22.458	8/20/24 12:10	22.439	8/20/24 17:30	22.488
8/20/24 6:55	22.458	8/20/24 12:15	22.439	8/20/24 17:35	22.488
8/20/24 7:00	22.458	8/20/24 12:20	22.439	8/20/24 17:40	22.488
8/20/24 7:05	22.448	8/20/24 12:25	22.439	8/20/24 17:45	22.488
8/20/24 7:10	22.448	8/20/24 12:30	22.449	8/20/24 17:50	22.488
8/20/24 7:15	22.448	8/20/24 12:35	22.449	8/20/24 17:55	22.498
8/20/24 7:20	22.439	8/20/24 12:40	22.449	8/20/24 18:00	22.498

Observation Well OW-2A
10540 Lansing Street

Time	Depth	Time	Depth	Time	Depth
8/20/24 18:05	22.498	8/20/24 23:25	22.528	8/21/24 4:45	22.577
8/20/24 18:10	22.498	8/20/24 23:30	22.528	8/21/24 4:50	22.577
8/20/24 18:15	22.498	8/20/24 23:35	22.528	8/21/24 4:55	22.577
8/20/24 18:20	22.498	8/20/24 23:40	22.528	8/21/24 5:00	22.577
8/20/24 18:25	22.498	8/20/24 23:45	22.528	8/21/24 5:05	22.577
8/20/24 18:30	22.508	8/20/24 23:50	22.528	8/21/24 5:10	22.577
8/20/24 18:35	22.508	8/20/24 23:55	22.528	8/21/24 5:15	22.577
8/20/24 18:40	22.508	8/21/24 0:00	22.528	8/21/24 5:20	22.577
8/20/24 18:45	22.508	8/21/24 0:05	22.528	8/21/24 5:25	22.577
8/20/24 18:50	22.508	8/21/24 0:10	22.537	8/21/24 5:30	22.577
8/20/24 18:55	22.508	8/21/24 0:15	22.537	8/21/24 5:35	22.587
8/20/24 19:00	22.508	8/21/24 0:20	22.537	8/21/24 5:40	22.587
8/20/24 19:05	22.508	8/21/24 0:25	22.537	8/21/24 5:45	22.587
8/20/24 19:10	22.508	8/21/24 0:30	22.537	8/21/24 5:50	22.587
8/20/24 19:15	22.498	8/21/24 0:35	22.537	8/21/24 5:55	22.577
8/20/24 19:20	22.508	8/21/24 0:40	22.528	8/21/24 6:00	22.577
8/20/24 19:25	22.508	8/21/24 0:45	22.537	8/21/24 6:05	22.577
8/20/24 19:30	22.508	8/21/24 0:50	22.537	8/21/24 6:10	22.577
8/20/24 19:35	22.508	8/21/24 0:55	22.537	8/21/24 6:15	22.587
8/20/24 19:40	22.508	8/21/24 1:00	22.537	8/21/24 6:20	22.577
8/20/24 19:45	22.508	8/21/24 1:05	22.537	8/21/24 6:25	22.587
8/20/24 19:50	22.508	8/21/24 1:10	22.547	8/21/24 6:30	22.587
8/20/24 19:55	22.508	8/21/24 1:15	22.547	8/21/24 6:35	22.577
8/20/24 20:00	22.508	8/21/24 1:20	22.547	8/21/24 6:40	22.587
8/20/24 20:05	22.508	8/21/24 1:25	22.547	8/21/24 6:45	22.587
8/20/24 20:10	22.508	8/21/24 1:30	22.547	8/21/24 6:50	22.587
8/20/24 20:15	22.508	8/21/24 1:35	22.547	8/21/24 6:55	22.587
8/20/24 20:20	22.508	8/21/24 1:40	22.547	8/21/24 7:00	22.587
8/20/24 20:25	22.508	8/21/24 1:45	22.547	8/21/24 7:05	22.587
8/20/24 20:30	22.508	8/21/24 1:50	22.547	8/21/24 7:10	22.587
8/20/24 20:35	22.508	8/21/24 1:55	22.547	8/21/24 7:15	22.587
8/20/24 20:40	22.508	8/21/24 2:00	22.547	8/21/24 7:20	22.587
8/20/24 20:45	22.508	8/21/24 2:05	22.547	8/21/24 7:25	22.587
8/20/24 20:50	22.508	8/21/24 2:10	22.557	8/21/24 7:30	22.587
8/20/24 20:55	22.518	8/21/24 2:15	22.547	8/21/24 7:35	22.587
8/20/24 21:00	22.508	8/21/24 2:20	22.557	8/21/24 7:40	22.587
8/20/24 21:05	22.518	8/21/24 2:25	22.557	8/21/24 7:45	22.587
8/20/24 21:10	22.518	8/21/24 2:30	22.547	8/21/24 7:50	22.587
8/20/24 21:15	22.518	8/21/24 2:35	22.547	8/21/24 7:55	22.587
8/20/24 21:20	22.518	8/21/24 2:40	22.547	8/21/24 8:00	22.587
8/20/24 21:25	22.518	8/21/24 2:45	22.557	8/21/24 8:05	22.587
8/20/24 21:30	22.518	8/21/24 2:50	22.547	8/21/24 8:10	22.587
8/20/24 21:35	22.518	8/21/24 2:55	22.547	8/21/24 8:15	22.587
8/20/24 21:40	22.518	8/21/24 3:00	22.547	8/21/24 8:20	22.587
8/20/24 21:45	22.518	8/21/24 3:05	22.557	8/21/24 8:25	22.587
8/20/24 21:50	22.518	8/21/24 3:10	22.557	8/21/24 8:30	22.587
8/20/24 21:55	22.518	8/21/24 3:15	22.557	8/21/24 8:35	22.587
8/20/24 22:00	22.518	8/21/24 3:20	22.557	8/21/24 8:40	22.587
8/20/24 22:05	22.518	8/21/24 3:25	22.567	8/21/24 8:45	22.587
8/20/24 22:10	22.518	8/21/24 3:30	22.557	8/21/24 8:50	22.587
8/20/24 22:15	22.518	8/21/24 3:35	22.567	8/21/24 8:55	22.587
8/20/24 22:20	22.518	8/21/24 3:40	22.567	8/21/24 9:00	22.596
8/20/24 22:25	22.518	8/21/24 3:45	22.567	8/21/24 9:05	22.596
8/20/24 22:30	22.518	8/21/24 3:50	22.567	8/21/24 9:10	22.596
8/20/24 22:35	22.518	8/21/24 3:55	22.567	8/21/24 9:15	22.596
8/20/24 22:40	22.518	8/21/24 4:00	22.567	8/21/24 9:20	22.596
8/20/24 22:45	22.518	8/21/24 4:05	22.577	8/21/24 9:25	22.596
8/20/24 22:50	22.518	8/21/24 4:10	22.577	8/21/24 9:30	22.596
8/20/24 22:55	22.518	8/21/24 4:15	22.577	8/21/24 9:35	22.596
8/20/24 23:00	22.528	8/21/24 4:20	22.577	8/21/24 9:40	22.596
8/20/24 23:05	22.528	8/21/24 4:25	22.577	8/21/24 9:45	22.596
8/20/24 23:10	22.528	8/21/24 4:30	22.567	8/21/24 9:50	22.596
8/20/24 23:15	22.528	8/21/24 4:35	22.577	8/21/24 9:55	22.587
8/20/24 23:20	22.518	8/21/24 4:40	22.577	8/21/24 10:00	22.596

Observation Well OW-2A
10540 Lansing Street

Time	Depth	Time	Depth	Time	Depth
8/21/24 10:05	22.596	8/21/24 15:25	22.636	8/21/24 20:45	22.695
8/21/24 10:10	22.596	8/21/24 15:30	22.636	8/21/24 20:50	22.705
8/21/24 10:15	22.596	8/21/24 15:35	22.646	8/21/24 20:55	22.705
8/21/24 10:20	22.596	8/21/24 15:40	22.646	8/21/24 21:00	22.705
8/21/24 10:25	22.596	8/21/24 15:45	22.646	8/21/24 21:05	22.705
8/21/24 10:30	22.596	8/21/24 15:50	22.646	8/21/24 21:10	22.695
8/21/24 10:35	22.596	8/21/24 15:55	22.646	8/21/24 21:15	22.695
8/21/24 10:40	22.596	8/21/24 16:00	22.646	8/21/24 21:20	22.695
8/21/24 10:45	22.596	8/21/24 16:05	22.646	8/21/24 21:25	22.705
8/21/24 10:50	22.606	8/21/24 16:10	22.646	8/21/24 21:30	22.705
8/21/24 10:55	22.606	8/21/24 16:15	22.656	8/21/24 21:35	22.705
8/21/24 11:00	22.606	8/21/24 16:20	22.656	8/21/24 21:40	22.705
8/21/24 11:05	22.606	8/21/24 16:25	22.656	8/21/24 21:45	22.705
8/21/24 11:10	22.606	8/21/24 16:30	22.656	8/21/24 21:50	22.705
8/21/24 11:15	22.606	8/21/24 16:35	22.656	8/21/24 21:55	22.705
8/21/24 11:20	22.606	8/21/24 16:40	22.656	8/21/24 22:00	22.705
8/21/24 11:25	22.606	8/21/24 16:45	22.656	8/21/24 22:05	22.715
8/21/24 11:30	22.606	8/21/24 16:50	22.656	8/21/24 22:10	22.715
8/21/24 11:35	22.606	8/21/24 16:55	22.656	8/21/24 22:15	22.715
8/21/24 11:40	22.606	8/21/24 17:00	22.656	8/21/24 22:20	22.715
8/21/24 11:45	22.606	8/21/24 17:05	22.665	8/21/24 22:25	22.715
8/21/24 11:50	22.606	8/21/24 17:10	22.665	8/21/24 22:30	22.715
8/21/24 11:55	22.616	8/21/24 17:15	22.665	8/21/24 22:35	22.715
8/21/24 12:00	22.616	8/21/24 17:20	22.665	8/21/24 22:40	22.724
8/21/24 12:05	22.616	8/21/24 17:25	22.665	8/21/24 22:45	22.724
8/21/24 12:10	22.616	8/21/24 17:30	22.665	8/21/24 22:50	22.724
8/21/24 12:15	22.616	8/21/24 17:35	22.665	8/21/24 22:55	22.724
8/21/24 12:20	22.616	8/21/24 17:40	22.665	8/21/24 23:00	22.724
8/21/24 12:25	22.616	8/21/24 17:45	22.665	8/21/24 23:05	22.724
8/21/24 12:30	22.616	8/21/24 17:50	22.665	8/21/24 23:10	22.724
8/21/24 12:35	22.616	8/21/24 17:55	22.665	8/21/24 23:15	22.724
8/21/24 12:40	22.616	8/21/24 18:00	22.665	8/21/24 23:20	22.734
8/21/24 12:45	22.616	8/21/24 18:05	22.665	8/21/24 23:25	22.734
8/21/24 12:50	22.616	8/21/24 18:10	22.675	8/21/24 23:30	22.734
8/21/24 12:55	22.616	8/21/24 18:15	22.675	8/21/24 23:35	22.734
8/21/24 13:00	22.616	8/21/24 18:20	22.675	8/21/24 23:40	22.734
8/21/24 13:05	22.616	8/21/24 18:25	22.675	8/21/24 23:45	22.724
8/21/24 13:10	22.616	8/21/24 18:30	22.675	8/21/24 23:50	22.734
8/21/24 13:15	22.616	8/21/24 18:35	22.675	8/21/24 23:55	22.734
8/21/24 13:20	22.626	8/21/24 18:40	22.675	8/22/24 0:00	22.734
8/21/24 13:25	22.626	8/21/24 18:45	22.675	8/22/24 0:05	22.734
8/21/24 13:30	22.626	8/21/24 18:50	22.675	8/22/24 0:10	22.744
8/21/24 13:35	22.626	8/21/24 18:55	22.675	8/22/24 0:15	22.744
8/21/24 13:40	22.626	8/21/24 19:00	22.685	8/22/24 0:20	22.744
8/21/24 13:45	22.626	8/21/24 19:05	22.685	8/22/24 0:25	22.744
8/21/24 13:50	22.626	8/21/24 19:10	22.685	8/22/24 0:30	22.744
8/21/24 13:55	22.626	8/21/24 19:15	22.685	8/22/24 0:35	22.744
8/21/24 14:00	22.636	8/21/24 19:20	22.685	8/22/24 0:40	22.744
8/21/24 14:05	22.626	8/21/24 19:25	22.685	8/22/24 0:45	22.744
8/21/24 14:10	22.626	8/21/24 19:30	22.685	8/22/24 0:50	22.744
8/21/24 14:15	22.626	8/21/24 19:35	22.685	8/22/24 0:55	22.744
8/21/24 14:20	22.636	8/21/24 19:40	22.685	8/22/24 1:00	22.744
8/21/24 14:25	22.626	8/21/24 19:45	22.695	8/22/24 1:05	22.734
8/21/24 14:30	22.636	8/21/24 19:50	22.695	8/22/24 1:10	22.744
8/21/24 14:35	22.636	8/21/24 19:55	22.695	8/22/24 1:15	22.744
8/21/24 14:40	22.636	8/21/24 20:00	22.695	8/22/24 1:20	22.744
8/21/24 14:45	22.636	8/21/24 20:05	22.695	8/22/24 1:25	22.744
8/21/24 14:50	22.636	8/21/24 20:10	22.695	8/22/24 1:30	22.754
8/21/24 14:55	22.636	8/21/24 20:15	22.695	8/22/24 1:35	22.744
8/21/24 15:00	22.636	8/21/24 20:20	22.695	8/22/24 1:40	22.744
8/21/24 15:05	22.636	8/21/24 20:25	22.695	8/22/24 1:45	22.754
8/21/24 15:10	22.636	8/21/24 20:30	22.695	8/22/24 1:50	22.754
8/21/24 15:15	22.636	8/21/24 20:35	22.695	8/22/24 1:55	22.754
8/21/24 15:20	22.636	8/21/24 20:40	22.695	8/22/24 2:00	22.754

Observation Well OW-2A
10540 Lansing Street

Time	Depth	Time	Depth	Time	Depth
8/22/24 2:05	22.754	8/22/24 7:25	22.784	8/22/24 12:45	22.823
8/22/24 2:10	22.754	8/22/24 7:30	22.784	8/22/24 12:50	22.823
8/22/24 2:15	22.754	8/22/24 7:35	22.784	8/22/24 12:55	22.823
8/22/24 2:20	22.754	8/22/24 7:40	22.784	8/22/24 13:00	22.823
8/22/24 2:25	22.754	8/22/24 7:45	22.784	8/22/24 13:05	22.823
8/22/24 2:30	22.754	8/22/24 7:50	22.784	8/22/24 13:10	22.833
8/22/24 2:35	22.764	8/22/24 7:55	22.784	8/22/24 13:15	22.833
8/22/24 2:40	22.764	8/22/24 8:00	22.784	8/22/24 13:20	22.833
8/22/24 2:45	22.764	8/22/24 8:05	22.784	8/22/24 13:25	22.833
8/22/24 2:50	22.754	8/22/24 8:10	22.784	8/22/24 13:30	22.833
8/22/24 2:55	22.764	8/22/24 8:15	22.784	8/22/24 13:35	22.833
8/22/24 3:00	22.764	8/22/24 8:20	22.784	8/22/24 13:40	22.833
8/22/24 3:05	22.764	8/22/24 8:25	22.784	8/22/24 13:45	22.833
8/22/24 3:10	22.764	8/22/24 8:30	22.784	8/22/24 13:50	22.833
8/22/24 3:15	22.764	8/22/24 8:35	22.793	8/22/24 13:55	22.833
8/22/24 3:20	22.764	8/22/24 8:40	22.793	8/22/24 14:00	22.833
8/22/24 3:25	22.764	8/22/24 8:45	22.793	8/22/24 14:05	22.833
8/22/24 3:30	22.764	8/22/24 8:50	22.793	8/22/24 14:10	22.843
8/22/24 3:35	22.764	8/22/24 8:55	22.793	8/22/24 14:15	22.843
8/22/24 3:40	22.774	8/22/24 9:00	22.793	8/22/24 14:20	22.843
8/22/24 3:45	22.774	8/22/24 9:05	22.784	8/22/24 14:25	22.843
8/22/24 3:50	22.774	8/22/24 9:10	22.784	8/22/24 14:30	22.843
8/22/24 3:55	22.774	8/22/24 9:15	22.793	8/22/24 14:35	22.843
8/22/24 4:00	22.774	8/22/24 9:20	22.793	8/22/24 14:40	22.843
8/22/24 4:05	22.774	8/22/24 9:25	22.793	8/22/24 14:45	22.852
8/22/24 4:10	22.774	8/22/24 9:30	22.793	8/22/24 14:50	22.852
8/22/24 4:15	22.774	8/22/24 9:35	22.793	8/22/24 14:55	22.852
8/22/24 4:20	22.774	8/22/24 9:40	22.793	8/22/24 15:00	22.852
8/22/24 4:25	22.774	8/22/24 9:45	22.793	8/22/24 15:05	22.852
8/22/24 4:30	22.774	8/22/24 9:50	22.793	8/22/24 15:10	22.852
8/22/24 4:35	22.764	8/22/24 9:55	22.793	8/22/24 15:15	22.852
8/22/24 4:40	22.764	8/22/24 10:00	22.793	8/22/24 15:20	22.862
8/22/24 4:45	22.774	8/22/24 10:05	22.793	8/22/24 15:25	22.862
8/22/24 4:50	22.774	8/22/24 10:10	22.793	8/22/24 15:30	22.862
8/22/24 4:55	22.774	8/22/24 10:15	22.793	8/22/24 15:35	22.862
8/22/24 5:00	22.774	8/22/24 10:20	22.793	8/22/24 15:40	22.862
8/22/24 5:05	22.774	8/22/24 10:25	22.793	8/22/24 15:45	22.862
8/22/24 5:10	22.774	8/22/24 10:30	22.793	8/22/24 15:50	22.862
8/22/24 5:15	22.784	8/22/24 10:35	22.793	8/22/24 15:55	22.872
8/22/24 5:20	22.784	8/22/24 10:40	22.803	8/22/24 16:00	22.872
8/22/24 5:25	22.784	8/22/24 10:45	22.803	8/22/24 16:05	22.872
8/22/24 5:30	22.784	8/22/24 10:50	22.803	8/22/24 16:10	22.872
8/22/24 5:35	22.784	8/22/24 10:55	22.803	8/22/24 16:15	22.872
8/22/24 5:40	22.784	8/22/24 11:00	22.803	8/22/24 16:20	22.872
8/22/24 5:45	22.784	8/22/24 11:05	22.803	8/22/24 16:25	22.872
8/22/24 5:50	22.784	8/22/24 11:10	22.803	8/22/24 16:30	22.872
8/22/24 5:55	22.784	8/22/24 11:15	22.803	8/22/24 16:35	22.872
8/22/24 6:00	22.784	8/22/24 11:20	22.803	8/22/24 16:40	22.872
8/22/24 6:05	22.784	8/22/24 11:25	22.803	8/22/24 16:45	22.872
8/22/24 6:10	22.784	8/22/24 11:30	22.803	8/22/24 16:50	22.872
8/22/24 6:15	22.784	8/22/24 11:35	22.803	8/22/24 16:55	22.872
8/22/24 6:20	22.784	8/22/24 11:40	22.803	8/22/24 17:00	22.872
8/22/24 6:25	22.784	8/22/24 11:45	22.803	8/22/24 17:05	22.872
8/22/24 6:30	22.784	8/22/24 11:50	22.803	8/22/24 17:10	22.882
8/22/24 6:35	22.784	8/22/24 11:55	22.803	8/22/24 17:15	22.882
8/22/24 6:40	22.784	8/22/24 12:00	22.793	8/22/24 17:20	22.882
8/22/24 6:45	22.784	8/22/24 12:05	22.803	8/22/24 17:25	22.882
8/22/24 6:50	22.784	8/22/24 12:10	22.803	8/22/24 17:30	22.882
8/22/24 6:55	22.784	8/22/24 12:15	22.813	8/22/24 17:35	22.882
8/22/24 7:00	22.784	8/22/24 12:20	22.813	8/22/24 17:40	22.882
8/22/24 7:05	22.784	8/22/24 12:25	22.813	8/22/24 17:45	22.882
8/22/24 7:10	22.784	8/22/24 12:30	22.813	8/22/24 17:50	22.882
8/22/24 7:15	22.784	8/22/24 12:35	22.813	8/22/24 17:55	22.882
8/22/24 7:20	22.784	8/22/24 12:40	22.813	8/22/24 18:00	22.882

Observation Well OW-2A
10540 Lansing Street

Time	Depth	Time	Depth	Time	Depth
8/22/24 18:05	22.882	8/22/24 23:25	22.911	8/23/24 4:45	22.941
8/22/24 18:10	22.892	8/22/24 23:30	22.911	8/23/24 4:50	22.941
8/22/24 18:15	22.892	8/22/24 23:35	22.911	8/23/24 4:55	22.941
8/22/24 18:20	22.892	8/22/24 23:40	22.902	8/23/24 5:00	22.941
8/22/24 18:25	22.892	8/22/24 23:45	22.911	8/23/24 5:05	22.941
8/22/24 18:30	22.892	8/22/24 23:50	22.911	8/23/24 5:10	22.941
8/22/24 18:35	22.892	8/22/24 23:55	22.911	8/23/24 5:15	22.941
8/22/24 18:40	22.892	8/23/24 0:00	22.911	8/23/24 5:20	22.941
8/22/24 18:45	22.892	8/23/24 0:05	22.911	8/23/24 5:25	22.941
8/22/24 18:50	22.892	8/23/24 0:10	22.911	8/23/24 5:30	22.941
8/22/24 18:55	22.902	8/23/24 0:15	22.911	8/23/24 5:35	22.941
8/22/24 19:00	22.902	8/23/24 0:20	22.911	8/23/24 5:40	22.941
8/22/24 19:05	22.902	8/23/24 0:25	22.911	8/23/24 5:45	22.941
8/22/24 19:10	22.902	8/23/24 0:30	22.911	8/23/24 5:50	22.941
8/22/24 19:15	22.902	8/23/24 0:35	22.911	8/23/24 5:55	22.941
8/22/24 19:20	22.902	8/23/24 0:40	22.911	8/23/24 6:00	22.941
8/22/24 19:25	22.902	8/23/24 0:45	22.911	8/23/24 6:05	22.951
8/22/24 19:30	22.902	8/23/24 0:50	22.911	8/23/24 6:10	22.941
8/22/24 19:35	22.902	8/23/24 0:55	22.911	8/23/24 6:15	22.941
8/22/24 19:40	22.902	8/23/24 1:00	22.911	8/23/24 6:20	22.941
8/22/24 19:45	22.902	8/23/24 1:05	22.911	8/23/24 6:25	22.941
8/22/24 19:50	22.902	8/23/24 1:10	22.911	8/23/24 6:30	22.941
8/22/24 19:55	22.902	8/23/24 1:15	22.911	8/23/24 6:35	22.941
8/22/24 20:00	22.902	8/23/24 1:20	22.921	8/23/24 6:40	22.941
8/22/24 20:05	22.902	8/23/24 1:25	22.921	8/23/24 6:45	22.941
8/22/24 20:10	22.902	8/23/24 1:30	22.911	8/23/24 6:50	22.941
8/22/24 20:15	22.902	8/23/24 1:35	22.911	8/23/24 6:55	22.941
8/22/24 20:20	22.902	8/23/24 1:40	22.921	8/23/24 7:00	22.941
8/22/24 20:25	22.892	8/23/24 1:45	22.921	8/23/24 7:05	22.941
8/22/24 20:30	22.902	8/23/24 1:50	22.921	8/23/24 7:10	22.941
8/22/24 20:35	22.902	8/23/24 1:55	22.921	8/23/24 7:15	22.941
8/22/24 20:40	22.902	8/23/24 2:00	22.921	8/23/24 7:20	22.941
8/22/24 20:45	22.902	8/23/24 2:05	22.921	8/23/24 7:25	22.931
8/22/24 20:50	22.902	8/23/24 2:10	22.921	8/23/24 7:30	22.941
8/22/24 20:55	22.902	8/23/24 2:15	22.921	8/23/24 7:35	22.941
8/22/24 21:00	22.902	8/23/24 2:20	22.921	8/23/24 7:40	22.941
8/22/24 21:05	22.902	8/23/24 2:25	22.931	8/23/24 7:45	22.941
8/22/24 21:10	22.902	8/23/24 2:30	22.931	8/23/24 7:50	22.931
8/22/24 21:15	22.902	8/23/24 2:35	22.931	8/23/24 7:55	22.931
8/22/24 21:20	22.902	8/23/24 2:40	22.931	8/23/24 8:00	22.931
8/22/24 21:25	22.902	8/23/24 2:45	22.931	8/23/24 8:05	22.931
8/22/24 21:30	22.902	8/23/24 2:50	22.921	8/23/24 8:10	22.931
8/22/24 21:35	22.902	8/23/24 2:55	22.931	8/23/24 8:15	22.931
8/22/24 21:40	22.902	8/23/24 3:00	22.931	8/23/24 8:20	22.931
8/22/24 21:45	22.902	8/23/24 3:05	22.931	8/23/24 8:25	22.931
8/22/24 21:50	22.902	8/23/24 3:10	22.931	8/23/24 8:30	22.931
8/22/24 21:55	22.902	8/23/24 3:15	22.931	8/23/24 8:35	22.931
8/22/24 22:00	22.902	8/23/24 3:20	22.931	8/23/24 8:40	22.931
8/22/24 22:05	22.902	8/23/24 3:25	22.931	8/23/24 8:45	22.921
8/22/24 22:10	22.902	8/23/24 3:30	22.931	8/23/24 8:50	22.921
8/22/24 22:15	22.902	8/23/24 3:35	22.931	8/23/24 8:55	22.921
8/22/24 22:20	22.902	8/23/24 3:40	22.931	8/23/24 9:00	22.921
8/22/24 22:25	22.902	8/23/24 3:45	22.941	8/23/24 9:05	22.921
8/22/24 22:30	22.911	8/23/24 3:50	22.941	8/23/24 9:10	22.921
8/22/24 22:35	22.911	8/23/24 3:55	22.931	8/23/24 9:15	22.921
8/22/24 22:40	22.911	8/23/24 4:00	22.941	8/23/24 9:20	22.921
8/22/24 22:45	22.911	8/23/24 4:05	22.931	8/23/24 9:25	22.911
8/22/24 22:50	22.911	8/23/24 4:10	22.941	8/23/24 9:30	22.911
8/22/24 22:55	22.911	8/23/24 4:15	22.931	8/23/24 9:35	22.911
8/22/24 23:00	22.911	8/23/24 4:20	22.941	8/23/24 9:40	22.911
8/22/24 23:05	22.911	8/23/24 4:25	22.941	8/23/24 9:45	22.911
8/22/24 23:10	22.911	8/23/24 4:30	22.941	8/23/24 9:50	22.911
8/22/24 23:15	22.911	8/23/24 4:35	22.941	8/23/24 9:55	22.911
8/22/24 23:20	22.911	8/23/24 4:40	22.941	8/23/24 10:00	22.911

Observation Well OW-2A
10540 Lansing Street

Time	Depth	Time	Depth	Time	Depth
8/23/24 10:05	22.911	8/23/24 12:00	22.902	8/23/24 13:55	22.902
8/23/24 10:10	22.911	8/23/24 12:05	22.902	8/23/24 14:00	22.902
8/23/24 10:15	22.911	8/23/24 12:10	22.902	8/23/24 14:05	22.902
8/23/24 10:20	22.902	8/23/24 12:15	22.902	8/23/24 14:10	22.902
8/23/24 10:25	22.902	8/23/24 12:20	22.902	8/23/24 14:15	22.902
8/23/24 10:30	22.902	8/23/24 12:25	22.902	8/23/24 14:20	22.902
8/23/24 10:35	22.902	8/23/24 12:30	22.902	8/23/24 14:25	22.902
8/23/24 10:40	22.902	8/23/24 12:35	22.902	8/23/24 14:30	22.902
8/23/24 10:45	22.902	8/23/24 12:40	22.902	8/23/24 14:35	22.911
8/23/24 10:50	22.902	8/23/24 12:45	22.902	8/23/24 14:40	22.911
8/23/24 10:55	22.902	8/23/24 12:50	22.902	8/23/24 14:45	22.902
8/23/24 11:00	22.902	8/23/24 12:55	22.902	8/23/24 14:50	22.911
8/23/24 11:05	22.902	8/23/24 13:00	22.902	8/23/24 14:55	22.911
8/23/24 11:10	22.902	8/23/24 13:05	22.902	8/23/24 15:00	22.911
8/23/24 11:15	22.902	8/23/24 13:10	22.902	8/23/24 15:05	22.911
8/23/24 11:20	22.902	8/23/24 13:15	22.902	8/23/24 15:10	22.911
8/23/24 11:25	22.902	8/23/24 13:20	22.902	8/23/24 15:15	22.911
8/23/24 11:30	22.902	8/23/24 13:25	22.902	8/23/24 15:20	22.911
8/23/24 11:35	22.902	8/23/24 13:30	22.902	8/23/24 15:25	22.911
8/23/24 11:40	22.902	8/23/24 13:35	22.902	8/23/24 15:30	22.911
8/23/24 11:45	22.902	8/23/24 13:40	22.902	8/23/24 15:35	22.911
8/23/24 11:50	22.902	8/23/24 13:45	22.902	8/23/24 15:40	22.911
8/23/24 11:55	22.902	8/23/24 13:50	22.902		

Observation Well OW-2B

Time	Depth	Time	Depth	Time	Depth
8/19/24 10:00	15.55	8/19/24 15:50	15.629	8/19/24 21:40	15.688
8/19/24 10:05	15.53	8/19/24 15:55	15.629	8/19/24 21:45	15.688
8/19/24 10:10	15.54	8/19/24 16:00	15.629	8/19/24 21:50	15.688
8/19/24 10:15	15.54	8/19/24 16:05	15.629	8/19/24 21:55	15.688
8/19/24 10:20	15.53	8/19/24 16:10	15.638	8/19/24 22:00	15.688
8/19/24 10:25	15.54	8/19/24 16:15	15.638	8/19/24 22:05	15.688
8/19/24 10:30	15.54	8/19/24 16:20	15.648	8/19/24 22:10	15.688
8/19/24 10:35	15.55	8/19/24 16:25	15.648	8/19/24 22:15	15.688
8/19/24 10:40	15.55	8/19/24 16:30	15.658	8/19/24 22:20	15.688
8/19/24 10:45	15.56	8/19/24 16:35	15.658	8/19/24 22:25	15.688
8/19/24 10:50	15.56	8/19/24 16:40	15.658	8/19/24 22:30	15.688
8/19/24 10:55	15.56	8/19/24 16:45	15.668	8/19/24 22:35	15.688
8/19/24 11:00	15.56	8/19/24 16:50	15.668	8/19/24 22:40	15.688
8/19/24 11:05	15.54	8/19/24 16:55	15.668	8/19/24 22:45	15.688
8/19/24 11:10	15.54	8/19/24 17:00	15.668	8/19/24 22:50	15.688
8/19/24 11:15	15.55	8/19/24 17:05	15.668	8/19/24 22:55	15.688
8/19/24 11:20	15.55	8/19/24 17:10	15.668	8/19/24 23:00	15.688
8/19/24 11:25	15.55	8/19/24 17:15	15.668	8/19/24 23:05	15.688
8/19/24 11:30	15.55	8/19/24 17:20	15.668	8/19/24 23:10	15.688
8/19/24 11:35	15.55	8/19/24 17:25	15.668	8/19/24 23:15	15.688
8/19/24 11:40	15.55	8/19/24 17:30	15.668	8/19/24 23:20	15.688
8/19/24 11:45	15.55	8/19/24 17:35	15.678	8/19/24 23:25	15.688
8/19/24 11:50	15.55	8/19/24 17:40	15.678	8/19/24 23:30	15.688
8/19/24 11:55	15.54	8/19/24 17:45	15.678	8/19/24 23:35	15.697
8/19/24 12:00	15.55	8/19/24 17:50	15.678	8/19/24 23:40	15.697
8/19/24 12:05	15.55	8/19/24 17:55	15.678	8/19/24 23:45	15.697
8/19/24 12:10	15.55	8/19/24 18:00	15.678	8/19/24 23:50	15.697
8/19/24 12:15	15.55	8/19/24 18:05	15.678	8/19/24 23:55	15.697
8/19/24 12:20	15.55	8/19/24 18:10	15.678	8/20/24 0:00	15.697
8/19/24 12:25	15.56	8/19/24 18:15	15.688	8/20/24 0:05	15.697
8/19/24 12:30	15.56	8/19/24 18:20	15.688	8/20/24 0:10	15.707
8/19/24 12:35	15.56	8/19/24 18:25	15.688	8/20/24 0:15	15.707
8/19/24 12:40	15.56	8/19/24 18:30	15.688	8/20/24 0:20	15.707
8/19/24 12:45	15.57	8/19/24 18:35	15.688	8/20/24 0:25	15.707
8/19/24 12:50	15.57	8/19/24 18:40	15.688	8/20/24 0:30	15.707
8/19/24 12:55	15.57	8/19/24 18:45	15.688	8/20/24 0:35	15.707
8/19/24 13:00	15.57	8/19/24 18:50	15.688	8/20/24 0:40	15.707
8/19/24 13:05	15.57	8/19/24 18:55	15.688	8/20/24 0:45	15.707
8/19/24 13:10	15.579	8/19/24 19:00	15.688	8/20/24 0:50	15.707
8/19/24 13:15	15.579	8/19/24 19:05	15.688	8/20/24 0:55	15.707
8/19/24 13:20	15.579	8/19/24 19:10	15.688	8/20/24 1:00	15.707
8/19/24 13:25	15.589	8/19/24 19:15	15.688	8/20/24 1:05	15.707
8/19/24 13:30	15.589	8/19/24 19:20	15.688	8/20/24 1:10	15.707
8/19/24 13:35	15.599	8/19/24 19:25	15.697	8/20/24 1:15	15.707
8/19/24 13:40	15.599	8/19/24 19:30	15.697	8/20/24 1:20	15.707
8/19/24 13:45	15.599	8/19/24 19:35	15.697	8/20/24 1:25	15.707
8/19/24 13:50	15.599	8/19/24 19:40	15.697	8/20/24 1:30	15.707
8/19/24 13:55	15.609	8/19/24 19:45	15.697	8/20/24 1:35	15.707
8/19/24 14:00	15.609	8/19/24 19:50	15.697	8/20/24 1:40	15.717
8/19/24 14:05	15.609	8/19/24 19:55	15.697	8/20/24 1:45	15.717
8/19/24 14:10	15.609	8/19/24 20:00	15.697	8/20/24 1:50	15.717
8/19/24 14:15	15.609	8/19/24 20:05	15.697	8/20/24 1:55	15.717
8/19/24 14:20	15.609	8/19/24 20:10	15.697	8/20/24 2:00	15.717
8/19/24 14:25	15.609	8/19/24 20:15	15.697	8/20/24 2:05	15.707
8/19/24 14:30	15.609	8/19/24 20:20	15.697	8/20/24 2:10	15.717
8/19/24 14:35	15.609	8/19/24 20:25	15.697	8/20/24 2:15	15.717
8/19/24 14:40	15.609	8/19/24 20:30	15.697	8/20/24 2:20	15.717
8/19/24 14:45	15.609	8/19/24 20:35	15.697	8/20/24 2:25	15.717
8/19/24 14:50	15.619	8/19/24 20:40	15.697	8/20/24 2:30	15.717
8/19/24 14:55	15.619	8/19/24 20:45	15.697	8/20/24 2:35	15.717
8/19/24 15:00	15.619	8/19/24 20:50	15.697	8/20/24 2:40	15.717
8/19/24 15:05	15.619	8/19/24 20:55	15.697	8/20/24 2:45	15.717
8/19/24 15:10	15.619	8/19/24 21:00	15.688	8/20/24 2:50	15.717
8/19/24 15:15	15.619	8/19/24 21:05	15.688	8/20/24 2:55	15.717
8/19/24 15:20	15.619	8/19/24 21:10	15.688	8/20/24 3:00	15.727
8/19/24 15:25	15.619	8/19/24 21:15	15.688	8/20/24 3:05	15.727
8/19/24 15:30	15.619	8/19/24 21:20	15.697	8/20/24 3:10	15.727
8/19/24 15:35	15.619	8/19/24 21:25	15.697	8/20/24 3:15	15.727
8/19/24 15:40	15.629	8/19/24 21:30	15.688	8/20/24 3:20	15.727
8/19/24 15:45	15.629	8/19/24 21:35	15.697	8/20/24 3:25	15.737

Observation Well OW-2B

Time	Depth	Time	Depth	Time	Depth
8/20/24 3:30	15.737	8/20/24 9:20	15.737	8/20/24 15:10	15.747
8/20/24 3:35	15.737	8/20/24 9:25	15.737	8/20/24 15:15	15.747
8/20/24 3:40	15.737	8/20/24 9:30	15.737	8/20/24 15:20	15.747
8/20/24 3:45	15.737	8/20/24 9:35	15.737	8/20/24 15:25	15.747
8/20/24 3:50	15.737	8/20/24 9:40	15.737	8/20/24 15:30	15.757
8/20/24 3:55	15.737	8/20/24 9:45	15.737	8/20/24 15:35	15.757
8/20/24 4:00	15.737	8/20/24 9:50	15.737	8/20/24 15:40	15.757
8/20/24 4:05	15.737	8/20/24 9:55	15.747	8/20/24 15:45	15.757
8/20/24 4:10	15.737	8/20/24 10:00	15.737	8/20/24 15:50	15.757
8/20/24 4:15	15.737	8/20/24 10:05	15.737	8/20/24 15:55	15.757
8/20/24 4:20	15.747	8/20/24 10:10	15.747	8/20/24 16:00	15.757
8/20/24 4:25	15.747	8/20/24 10:15	15.747	8/20/24 16:05	15.757
8/20/24 4:30	15.747	8/20/24 10:20	15.747	8/20/24 16:10	15.757
8/20/24 4:35	15.747	8/20/24 10:25	15.747	8/20/24 16:15	15.757
8/20/24 4:40	15.747	8/20/24 10:30	15.747	8/20/24 16:20	15.757
8/20/24 4:45	15.747	8/20/24 10:35	15.747	8/20/24 16:25	15.757
8/20/24 4:50	15.747	8/20/24 10:40	15.747	8/20/24 16:30	15.757
8/20/24 4:55	15.747	8/20/24 10:45	15.747	8/20/24 16:35	15.757
8/20/24 5:00	15.747	8/20/24 10:50	15.747	8/20/24 16:40	15.757
8/20/24 5:05	15.747	8/20/24 10:55	15.747	8/20/24 16:45	15.757
8/20/24 5:10	15.747	8/20/24 11:00	15.747	8/20/24 16:50	15.757
8/20/24 5:15	15.747	8/20/24 11:05	15.747	8/20/24 16:55	15.757
8/20/24 5:20	15.747	8/20/24 11:10	15.747	8/20/24 17:00	15.757
8/20/24 5:25	15.747	8/20/24 11:15	15.747	8/20/24 17:05	15.757
8/20/24 5:30	15.747	8/20/24 11:20	15.747	8/20/24 17:10	15.757
8/20/24 5:35	15.747	8/20/24 11:25	15.747	8/20/24 17:15	15.766
8/20/24 5:40	15.747	8/20/24 11:30	15.747	8/20/24 17:20	15.766
8/20/24 5:45	15.757	8/20/24 11:35	15.747	8/20/24 17:25	15.766
8/20/24 5:50	15.747	8/20/24 11:40	15.747	8/20/24 17:30	15.766
8/20/24 5:55	15.747	8/20/24 11:45	15.747	8/20/24 17:35	15.766
8/20/24 6:00	15.747	8/20/24 11:50	15.747	8/20/24 17:40	15.766
8/20/24 6:05	15.747	8/20/24 11:55	15.747	8/20/24 17:45	15.766
8/20/24 6:10	15.747	8/20/24 12:00	15.747	8/20/24 17:50	15.766
8/20/24 6:15	15.747	8/20/24 12:05	15.747	8/20/24 17:55	15.766
8/20/24 6:20	15.747	8/20/24 12:10	15.747	8/20/24 18:00	15.766
8/20/24 6:25	15.747	8/20/24 12:15	15.747	8/20/24 18:05	15.766
8/20/24 6:30	15.747	8/20/24 12:20	15.747	8/20/24 18:10	15.766
8/20/24 6:35	15.747	8/20/24 12:25	15.747	8/20/24 18:15	15.766
8/20/24 6:40	15.747	8/20/24 12:30	15.747	8/20/24 18:20	15.766
8/20/24 6:45	15.747	8/20/24 12:35	15.747	8/20/24 18:25	15.766
8/20/24 6:50	15.747	8/20/24 12:40	15.747	8/20/24 18:30	15.766
8/20/24 6:55	15.747	8/20/24 12:45	15.747	8/20/24 18:35	15.776
8/20/24 7:00	15.747	8/20/24 12:50	15.747	8/20/24 18:40	15.776
8/20/24 7:05	15.747	8/20/24 12:55	15.747	8/20/24 18:45	15.776
8/20/24 7:10	15.747	8/20/24 13:00	15.747	8/20/24 18:50	15.776
8/20/24 7:15	15.747	8/20/24 13:05	15.747	8/20/24 18:55	15.776
8/20/24 7:20	15.747	8/20/24 13:10	15.747	8/20/24 19:00	15.776
8/20/24 7:25	15.747	8/20/24 13:15	15.747	8/20/24 19:05	15.776
8/20/24 7:30	15.747	8/20/24 13:20	15.747	8/20/24 19:10	15.786
8/20/24 7:35	15.747	8/20/24 13:25	15.747	8/20/24 19:15	15.786
8/20/24 7:40	15.747	8/20/24 13:30	15.747	8/20/24 19:20	15.786
8/20/24 7:45	15.747	8/20/24 13:35	15.747	8/20/24 19:25	15.786
8/20/24 7:50	15.747	8/20/24 13:40	15.747	8/20/24 19:30	15.786
8/20/24 7:55	15.747	8/20/24 13:45	15.747	8/20/24 19:35	15.786
8/20/24 8:00	15.747	8/20/24 13:50	15.747	8/20/24 19:40	15.796
8/20/24 8:05	15.747	8/20/24 13:55	15.747	8/20/24 19:45	15.796
8/20/24 8:10	15.747	8/20/24 14:00	15.747	8/20/24 19:50	15.796
8/20/24 8:15	15.737	8/20/24 14:05	15.747	8/20/24 19:55	15.796
8/20/24 8:20	15.737	8/20/24 14:10	15.747	8/20/24 20:00	15.796
8/20/24 8:25	15.737	8/20/24 14:15	15.747	8/20/24 20:05	15.796
8/20/24 8:30	15.737	8/20/24 14:20	15.747	8/20/24 20:10	15.796
8/20/24 8:35	15.737	8/20/24 14:25	15.747	8/20/24 20:15	15.796
8/20/24 8:40	15.737	8/20/24 14:30	15.747	8/20/24 20:20	15.806
8/20/24 8:45	15.737	8/20/24 14:35	15.747	8/20/24 20:25	15.806
8/20/24 8:50	15.737	8/20/24 14:40	15.747	8/20/24 20:30	15.806
8/20/24 8:55	15.737	8/20/24 14:45	15.757	8/20/24 20:35	15.806
8/20/24 9:00	15.737	8/20/24 14:50	15.747	8/20/24 20:40	15.806
8/20/24 9:05	15.737	8/20/24 14:55	15.747	8/20/24 20:45	15.806
8/20/24 9:10	15.737	8/20/24 15:00	15.747	8/20/24 20:50	15.816
8/20/24 9:15	15.737	8/20/24 15:05	15.757	8/20/24 20:55	15.816

Observation Well OW-2B

Time	Depth	Time	Depth	Time	Depth
8/20/24 21:00	15.816	8/21/24 2:50	15.845	8/21/24 8:40	15.835
8/20/24 21:05	15.816	8/21/24 2:55	15.845	8/21/24 8:45	15.835
8/20/24 21:10	15.816	8/21/24 3:00	15.845	8/21/24 8:50	15.835
8/20/24 21:15	15.816	8/21/24 3:05	15.845	8/21/24 8:55	15.835
8/20/24 21:20	15.816	8/21/24 3:10	15.845	8/21/24 9:00	15.835
8/20/24 21:25	15.816	8/21/24 3:15	15.845	8/21/24 9:05	15.835
8/20/24 21:30	15.816	8/21/24 3:20	15.845	8/21/24 9:10	15.835
8/20/24 21:35	15.816	8/21/24 3:25	15.845	8/21/24 9:15	15.835
8/20/24 21:40	15.816	8/21/24 3:30	15.845	8/21/24 9:20	15.845
8/20/24 21:45	15.816	8/21/24 3:35	15.845	8/21/24 9:25	15.835
8/20/24 21:50	15.816	8/21/24 3:40	15.845	8/21/24 9:30	15.835
8/20/24 21:55	15.816	8/21/24 3:45	15.845	8/21/24 9:35	15.835
8/20/24 22:00	15.816	8/21/24 3:50	15.845	8/21/24 9:40	15.845
8/20/24 22:05	15.816	8/21/24 3:55	15.845	8/21/24 9:45	15.835
8/20/24 22:10	15.816	8/21/24 4:00	15.845	8/21/24 9:50	15.835
8/20/24 22:15	15.816	8/21/24 4:05	15.845	8/21/24 9:55	15.835
8/20/24 22:20	15.816	8/21/24 4:10	15.845	8/21/24 10:00	15.835
8/20/24 22:25	15.816	8/21/24 4:15	15.845	8/21/24 10:05	15.835
8/20/24 22:30	15.816	8/21/24 4:20	15.845	8/21/24 10:10	15.835
8/20/24 22:35	15.825	8/21/24 4:25	15.845	8/21/24 10:15	15.835
8/20/24 22:40	15.816	8/21/24 4:30	15.845	8/21/24 10:20	15.835
8/20/24 22:45	15.816	8/21/24 4:35	15.845	8/21/24 10:25	15.835
8/20/24 22:50	15.816	8/21/24 4:40	15.845	8/21/24 10:30	15.835
8/20/24 22:55	15.816	8/21/24 4:45	15.845	8/21/24 10:35	15.835
8/20/24 23:00	15.816	8/21/24 4:50	15.845	8/21/24 10:40	15.845
8/20/24 23:05	15.825	8/21/24 4:55	15.845	8/21/24 10:45	15.845
8/20/24 23:10	15.825	8/21/24 5:00	15.845	8/21/24 10:50	15.845
8/20/24 23:15	15.825	8/21/24 5:05	15.845	8/21/24 10:55	15.845
8/20/24 23:20	15.825	8/21/24 5:10	15.845	8/21/24 11:00	15.845
8/20/24 23:25	15.825	8/21/24 5:15	15.845	8/21/24 11:05	15.845
8/20/24 23:30	15.825	8/21/24 5:20	15.845	8/21/24 11:10	15.845
8/20/24 23:35	15.825	8/21/24 5:25	15.845	8/21/24 11:15	15.845
8/20/24 23:40	15.825	8/21/24 5:30	15.845	8/21/24 11:20	15.845
8/20/24 23:45	15.835	8/21/24 5:35	15.845	8/21/24 11:25	15.845
8/20/24 23:50	15.835	8/21/24 5:40	15.845	8/21/24 11:30	15.845
8/20/24 23:55	15.835	8/21/24 5:45	15.845	8/21/24 11:35	15.845
8/21/24 0:00	15.835	8/21/24 5:50	15.845	8/21/24 11:40	15.845
8/21/24 0:05	15.835	8/21/24 5:55	15.845	8/21/24 11:45	15.845
8/21/24 0:10	15.845	8/21/24 6:00	15.845	8/21/24 11:50	15.845
8/21/24 0:15	15.845	8/21/24 6:05	15.845	8/21/24 11:55	15.855
8/21/24 0:20	15.845	8/21/24 6:10	15.845	8/21/24 12:00	15.855
8/21/24 0:25	15.845	8/21/24 6:15	15.845	8/21/24 12:05	15.855
8/21/24 0:30	15.845	8/21/24 6:20	15.845	8/21/24 12:10	15.855
8/21/24 0:35	15.845	8/21/24 6:25	15.845	8/21/24 12:15	15.855
8/21/24 0:40	15.845	8/21/24 6:30	15.845	8/21/24 12:20	15.855
8/21/24 0:45	15.845	8/21/24 6:35	15.845	8/21/24 12:25	15.855
8/21/24 0:50	15.845	8/21/24 6:40	15.845	8/21/24 12:30	15.855
8/21/24 0:55	15.845	8/21/24 6:45	15.845	8/21/24 12:35	15.855
8/21/24 1:00	15.845	8/21/24 6:50	15.845	8/21/24 12:40	15.855
8/21/24 1:05	15.845	8/21/24 6:55	15.835	8/21/24 12:45	15.855
8/21/24 1:10	15.845	8/21/24 7:00	15.835	8/21/24 12:50	15.855
8/21/24 1:15	15.845	8/21/24 7:05	15.845	8/21/24 12:55	15.855
8/21/24 1:20	15.845	8/21/24 7:10	15.845	8/21/24 13:00	15.855
8/21/24 1:25	15.845	8/21/24 7:15	15.845	8/21/24 13:05	15.855
8/21/24 1:30	15.845	8/21/24 7:20	15.845	8/21/24 13:10	15.855
8/21/24 1:35	15.845	8/21/24 7:25	15.845	8/21/24 13:15	15.855
8/21/24 1:40	15.845	8/21/24 7:30	15.835	8/21/24 13:20	15.855
8/21/24 1:45	15.845	8/21/24 7:35	15.835	8/21/24 13:25	15.855
8/21/24 1:50	15.845	8/21/24 7:40	15.835	8/21/24 13:30	15.855
8/21/24 1:55	15.845	8/21/24 7:45	15.835	8/21/24 13:35	15.855
8/21/24 2:00	15.845	8/21/24 7:50	15.835	8/21/24 13:40	15.865
8/21/24 2:05	15.845	8/21/24 7:55	15.845	8/21/24 13:45	15.865
8/21/24 2:10	15.845	8/21/24 8:00	15.835	8/21/24 13:50	15.865
8/21/24 2:15	15.845	8/21/24 8:05	15.835	8/21/24 13:55	15.865
8/21/24 2:20	15.845	8/21/24 8:10	15.835	8/21/24 14:00	15.865
8/21/24 2:25	15.845	8/21/24 8:15	15.835	8/21/24 14:05	15.865
8/21/24 2:30	15.845	8/21/24 8:20	15.835	8/21/24 14:10	15.865
8/21/24 2:35	15.845	8/21/24 8:25	15.835	8/21/24 14:15	15.865
8/21/24 2:40	15.845	8/21/24 8:30	15.835	8/21/24 14:20	15.865
8/21/24 2:45	15.845	8/21/24 8:35	15.835	8/21/24 14:25	15.865

Observation Well OW-2B

Time	Depth	Time	Depth	Time	Depth
8/21/24 14:30	15.865	8/21/24 20:20	15.914	8/22/24 2:10	15.973
8/21/24 14:35	15.865	8/21/24 20:25	15.914	8/22/24 2:15	15.973
8/21/24 14:40	15.865	8/21/24 20:30	15.914	8/22/24 2:20	15.973
8/21/24 14:45	15.865	8/21/24 20:35	15.914	8/22/24 2:25	15.973
8/21/24 14:50	15.855	8/21/24 20:40	15.914	8/22/24 2:30	15.973
8/21/24 14:55	15.855	8/21/24 20:45	15.914	8/22/24 2:35	15.983
8/21/24 15:00	15.865	8/21/24 20:50	15.914	8/22/24 2:40	15.983
8/21/24 15:05	15.865	8/21/24 20:55	15.914	8/22/24 2:45	15.983
8/21/24 15:10	15.865	8/21/24 21:00	15.914	8/22/24 2:50	15.983
8/21/24 15:15	15.865	8/21/24 21:05	15.914	8/22/24 2:55	15.983
8/21/24 15:20	15.865	8/21/24 21:10	15.914	8/22/24 3:00	15.993
8/21/24 15:25	15.865	8/21/24 21:15	15.914	8/22/24 3:05	15.993
8/21/24 15:30	15.865	8/21/24 21:20	15.914	8/22/24 3:10	15.993
8/21/24 15:35	15.865	8/21/24 21:25	15.914	8/22/24 3:15	15.993
8/21/24 15:40	15.865	8/21/24 21:30	15.924	8/22/24 3:20	15.993
8/21/24 15:45	15.865	8/21/24 21:35	15.924	8/22/24 3:25	15.993
8/21/24 15:50	15.865	8/21/24 21:40	15.924	8/22/24 3:30	15.993
8/21/24 15:55	15.865	8/21/24 21:45	15.924	8/22/24 3:35	15.993
8/21/24 16:00	15.865	8/21/24 21:50	15.924	8/22/24 3:40	15.993
8/21/24 16:05	15.865	8/21/24 21:55	15.924	8/22/24 3:45	15.993
8/21/24 16:10	15.865	8/21/24 22:00	15.924	8/22/24 3:50	15.993
8/21/24 16:15	15.865	8/21/24 22:05	15.924	8/22/24 3:55	15.993
8/21/24 16:20	15.865	8/21/24 22:10	15.924	8/22/24 4:00	15.993
8/21/24 16:25	15.865	8/21/24 22:15	15.934	8/22/24 4:05	15.993
8/21/24 16:30	15.875	8/21/24 22:20	15.934	8/22/24 4:10	15.993
8/21/24 16:35	15.875	8/21/24 22:25	15.934	8/22/24 4:15	15.993
8/21/24 16:40	15.875	8/21/24 22:30	15.934	8/22/24 4:20	15.993
8/21/24 16:45	15.875	8/21/24 22:35	15.934	8/22/24 4:25	15.993
8/21/24 16:50	15.875	8/21/24 22:40	15.934	8/22/24 4:30	15.993
8/21/24 16:55	15.875	8/21/24 22:45	15.934	8/22/24 4:35	15.993
8/21/24 17:00	15.884	8/21/24 22:50	15.934	8/22/24 4:40	15.993
8/21/24 17:05	15.884	8/21/24 22:55	15.934	8/22/24 4:45	15.993
8/21/24 17:10	15.884	8/21/24 23:00	15.934	8/22/24 4:50	15.993
8/21/24 17:15	15.884	8/21/24 23:05	15.944	8/22/24 4:55	15.993
8/21/24 17:20	15.884	8/21/24 23:10	15.944	8/22/24 5:00	15.993
8/21/24 17:25	15.884	8/21/24 23:15	15.944	8/22/24 5:05	15.993
8/21/24 17:30	15.894	8/21/24 23:20	15.944	8/22/24 5:10	15.993
8/21/24 17:35	15.894	8/21/24 23:25	15.944	8/22/24 5:15	15.993
8/21/24 17:40	15.894	8/21/24 23:30	15.944	8/22/24 5:20	15.993
8/21/24 17:45	15.894	8/21/24 23:35	15.944	8/22/24 5:25	15.993
8/21/24 17:50	15.894	8/21/24 23:40	15.944	8/22/24 5:30	15.993
8/21/24 17:55	15.894	8/21/24 23:45	15.944	8/22/24 5:35	15.993
8/21/24 18:00	15.894	8/21/24 23:50	15.944	8/22/24 5:40	15.993
8/21/24 18:05	15.894	8/21/24 23:55	15.944	8/22/24 5:45	15.993
8/21/24 18:10	15.894	8/22/24 0:00	15.944	8/22/24 5:50	15.993
8/21/24 18:15	15.904	8/22/24 0:05	15.944	8/22/24 5:55	15.993
8/21/24 18:20	15.894	8/22/24 0:10	15.944	8/22/24 6:00	15.993
8/21/24 18:25	15.904	8/22/24 0:15	15.944	8/22/24 6:05	15.993
8/21/24 18:30	15.904	8/22/24 0:20	15.944	8/22/24 6:10	15.993
8/21/24 18:35	15.904	8/22/24 0:25	15.944	8/22/24 6:15	15.993
8/21/24 18:40	15.904	8/22/24 0:30	15.953	8/22/24 6:20	15.993
8/21/24 18:45	15.904	8/22/24 0:35	15.953	8/22/24 6:25	15.993
8/21/24 18:50	15.904	8/22/24 0:40	15.953	8/22/24 6:30	15.993
8/21/24 18:55	15.904	8/22/24 0:45	15.953	8/22/24 6:35	15.993
8/21/24 19:00	15.904	8/22/24 0:50	15.953	8/22/24 6:40	15.993
8/21/24 19:05	15.904	8/22/24 0:55	15.953	8/22/24 6:45	15.993
8/21/24 19:10	15.904	8/22/24 1:00	15.953	8/22/24 6:50	15.993
8/21/24 19:15	15.904	8/22/24 1:05	15.953	8/22/24 6:55	15.993
8/21/24 19:20	15.904	8/22/24 1:10	15.953	8/22/24 7:00	15.993
8/21/24 19:25	15.914	8/22/24 1:15	15.963	8/22/24 7:05	15.993
8/21/24 19:30	15.914	8/22/24 1:20	15.963	8/22/24 7:10	15.993
8/21/24 19:35	15.914	8/22/24 1:25	15.963	8/22/24 7:15	15.993
8/21/24 19:40	15.914	8/22/24 1:30	15.963	8/22/24 7:20	15.993
8/21/24 19:45	15.914	8/22/24 1:35	15.973	8/22/24 7:25	15.993
8/21/24 19:50	15.914	8/22/24 1:40	15.973	8/22/24 7:30	15.983
8/21/24 19:55	15.914	8/22/24 1:45	15.973	8/22/24 7:35	15.983
8/21/24 20:00	15.914	8/22/24 1:50	15.973	8/22/24 7:40	15.983
8/21/24 20:05	15.914	8/22/24 1:55	15.973	8/22/24 7:45	15.983
8/21/24 20:10	15.914	8/22/24 2:00	15.973	8/22/24 7:50	15.983
8/21/24 20:15	15.914	8/22/24 2:05	15.973	8/22/24 7:55	15.983

Observation Well OW-2B

Time	Depth	Time	Depth	Time	Depth
8/22/24 8:00	15.983	8/22/24 13:50	16.003	8/22/24 19:40	16.081
8/22/24 8:05	15.983	8/22/24 13:55	16.003	8/22/24 19:45	16.081
8/22/24 8:10	15.983	8/22/24 14:00	16.003	8/22/24 19:50	16.081
8/22/24 8:15	15.983	8/22/24 14:05	16.003	8/22/24 19:55	16.081
8/22/24 8:20	15.983	8/22/24 14:10	16.003	8/22/24 20:00	16.081
8/22/24 8:25	15.983	8/22/24 14:15	16.012	8/22/24 20:05	16.081
8/22/24 8:30	15.983	8/22/24 14:20	16.012	8/22/24 20:10	16.081
8/22/24 8:35	15.983	8/22/24 14:25	16.012	8/22/24 20:15	16.081
8/22/24 8:40	15.983	8/22/24 14:30	16.012	8/22/24 20:20	16.081
8/22/24 8:45	15.983	8/22/24 14:35	16.012	8/22/24 20:25	16.081
8/22/24 8:50	15.983	8/22/24 14:40	16.012	8/22/24 20:30	16.081
8/22/24 8:55	15.983	8/22/24 14:45	16.022	8/22/24 20:35	16.081
8/22/24 9:00	15.983	8/22/24 14:50	16.022	8/22/24 20:40	16.081
8/22/24 9:05	15.983	8/22/24 14:55	16.022	8/22/24 20:45	16.081
8/22/24 9:10	15.983	8/22/24 15:00	16.032	8/22/24 20:50	16.081
8/22/24 9:15	15.983	8/22/24 15:05	16.032	8/22/24 20:55	16.081
8/22/24 9:20	15.983	8/22/24 15:10	16.032	8/22/24 21:00	16.081
8/22/24 9:25	15.983	8/22/24 15:15	16.042	8/22/24 21:05	16.081
8/22/24 9:30	15.983	8/22/24 15:20	16.042	8/22/24 21:10	16.081
8/22/24 9:35	15.983	8/22/24 15:25	16.052	8/22/24 21:15	16.091
8/22/24 9:40	15.983	8/22/24 15:30	16.052	8/22/24 21:20	16.091
8/22/24 9:45	15.983	8/22/24 15:35	16.052	8/22/24 21:25	16.091
8/22/24 9:50	15.983	8/22/24 15:40	16.062	8/22/24 21:30	16.091
8/22/24 9:55	15.983	8/22/24 15:45	16.062	8/22/24 21:35	16.091
8/22/24 10:00	15.983	8/22/24 15:50	16.062	8/22/24 21:40	16.091
8/22/24 10:05	15.983	8/22/24 15:55	16.062	8/22/24 21:45	16.091
8/22/24 10:10	15.983	8/22/24 16:00	16.071	8/22/24 21:50	16.091
8/22/24 10:15	15.983	8/22/24 16:05	16.071	8/22/24 21:55	16.091
8/22/24 10:20	15.983	8/22/24 16:10	16.071	8/22/24 22:00	16.091
8/22/24 10:25	15.983	8/22/24 16:15	16.071	8/22/24 22:05	16.091
8/22/24 10:30	15.983	8/22/24 16:20	16.081	8/22/24 22:10	16.101
8/22/24 10:35	15.983	8/22/24 16:25	16.081	8/22/24 22:15	16.101
8/22/24 10:40	15.983	8/22/24 16:30	16.081	8/22/24 22:20	16.101
8/22/24 10:45	15.983	8/22/24 16:35	16.081	8/22/24 22:25	16.101
8/22/24 10:50	15.983	8/22/24 16:40	16.081	8/22/24 22:30	16.101
8/22/24 10:55	15.983	8/22/24 16:45	16.081	8/22/24 22:35	16.101
8/22/24 11:00	15.983	8/22/24 16:50	16.081	8/22/24 22:40	16.101
8/22/24 11:05	15.983	8/22/24 16:55	16.081	8/22/24 22:45	16.101
8/22/24 11:10	15.983	8/22/24 17:00	16.081	8/22/24 22:50	16.101
8/22/24 11:15	15.983	8/22/24 17:05	16.081	8/22/24 22:55	16.101
8/22/24 11:20	15.983	8/22/24 17:10	16.081	8/22/24 23:00	16.101
8/22/24 11:25	15.983	8/22/24 17:15	16.081	8/22/24 23:05	16.101
8/22/24 11:30	15.983	8/22/24 17:20	16.081	8/22/24 23:10	16.101
8/22/24 11:35	15.983	8/22/24 17:25	16.081	8/22/24 23:15	16.101
8/22/24 11:40	15.983	8/22/24 17:30	16.081	8/22/24 23:20	16.101
8/22/24 11:45	15.983	8/22/24 17:35	16.081	8/22/24 23:25	16.101
8/22/24 11:50	15.983	8/22/24 17:40	16.081	8/22/24 23:30	16.101
8/22/24 11:55	15.983	8/22/24 17:45	16.081	8/22/24 23:35	16.101
8/22/24 12:00	15.983	8/22/24 17:50	16.081	8/22/24 23:40	16.101
8/22/24 12:05	15.983	8/22/24 17:55	16.081	8/22/24 23:45	16.101
8/22/24 12:10	15.983	8/22/24 18:00	16.081	8/22/24 23:50	16.101
8/22/24 12:15	15.983	8/22/24 18:05	16.081	8/22/24 23:55	16.101
8/22/24 12:20	15.983	8/22/24 18:10	16.081	8/23/24 0:00	16.101
8/22/24 12:25	15.983	8/22/24 18:15	16.081	8/23/24 0:05	16.091
8/22/24 12:30	15.983	8/22/24 18:20	16.081	8/23/24 0:10	16.091
8/22/24 12:35	15.983	8/22/24 18:25	16.081	8/23/24 0:15	16.091
8/22/24 12:40	15.983	8/22/24 18:30	16.081	8/23/24 0:20	16.091
8/22/24 12:45	15.983	8/22/24 18:35	16.081	8/23/24 0:25	16.091
8/22/24 12:50	15.983	8/22/24 18:40	16.081	8/23/24 0:30	16.091
8/22/24 12:55	15.993	8/22/24 18:45	16.081	8/23/24 0:35	16.091
8/22/24 13:00	15.993	8/22/24 18:50	16.081	8/23/24 0:40	16.091
8/22/24 13:05	15.993	8/22/24 18:55	16.081	8/23/24 0:45	16.091
8/22/24 13:10	15.993	8/22/24 19:00	16.081	8/23/24 0:50	16.091
8/22/24 13:15	15.993	8/22/24 19:05	16.081	8/23/24 0:55	16.091
8/22/24 13:20	15.993	8/22/24 19:10	16.081	8/23/24 1:00	16.091
8/22/24 13:25	16.003	8/22/24 19:15	16.081	8/23/24 1:05	16.091
8/22/24 13:30	16.003	8/22/24 19:20	16.081	8/23/24 1:10	16.091
8/22/24 13:35	16.003	8/22/24 19:25	16.081	8/23/24 1:15	16.091
8/22/24 13:40	16.003	8/22/24 19:30	16.081	8/23/24 1:20	16.091
8/22/24 13:45	16.003	8/22/24 19:35	16.081	8/23/24 1:25	16.091

Observation Well OW-2B

Time	Depth
8/23/24 1:30	16.091
8/23/24 1:35	16.091
8/23/24 1:40	16.091
8/23/24 1:45	16.091
8/23/24 1:50	16.101
8/23/24 1:55	16.101
8/23/24 2:00	16.101
8/23/24 2:05	16.101
8/23/24 2:10	16.101
8/23/24 2:15	16.101
8/23/24 2:20	16.101
8/23/24 2:25	16.101
8/23/24 2:30	16.101
8/23/24 2:35	16.101
8/23/24 2:40	16.101
8/23/24 2:45	16.101
8/23/24 2:50	16.101
8/23/24 2:55	16.101
8/23/24 3:00	16.101
8/23/24 3:05	16.111
8/23/24 3:10	16.111
8/23/24 3:15	16.111
8/23/24 3:20	16.111
8/23/24 3:25	16.111
8/23/24 3:30	16.111
8/23/24 3:35	16.111
8/23/24 3:40	16.111
8/23/24 3:45	16.111
8/23/24 3:50	16.111
8/23/24 3:55	16.111
8/23/24 4:00	16.111
8/23/24 4:05	16.111
8/23/24 4:10	16.111
8/23/24 4:15	16.111
8/23/24 4:20	16.111
8/23/24 4:25	16.111
8/23/24 4:30	16.111
8/23/24 4:35	16.111
8/23/24 4:40	16.111
8/23/24 4:45	16.111
8/23/24 4:50	16.111
8/23/24 4:55	16.111
8/23/24 5:00	16.111
8/23/24 5:05	16.111
8/23/24 5:10	16.111
8/23/24 5:15	16.111
8/23/24 5:20	16.121
8/23/24 5:25	16.121
8/23/24 5:30	16.121
8/23/24 5:35	16.121
8/23/24 5:40	16.121
8/23/24 5:45	16.121
8/23/24 5:50	16.121
8/23/24 5:55	16.111
8/23/24 6:00	16.111
8/23/24 6:05	16.121
8/23/24 6:10	16.121
8/23/24 6:15	16.121
8/23/24 6:20	16.121
8/23/24 6:25	16.121
8/23/24 6:30	16.121
8/23/24 6:35	16.121
8/23/24 6:40	16.111
8/23/24 6:45	16.111
8/23/24 6:50	16.121
8/23/24 6:55	16.121
8/23/24 7:00	16.121
8/23/24 7:05	16.111
8/23/24 7:10	16.111
8/23/24 7:15	16.111
8/23/24 7:20	16.111
8/23/24 7:25	16.111
8/23/24 7:30	16.111
8/23/24 7:35	16.111
8/23/24 7:40	16.111
8/23/24 7:45	16.111
8/23/24 7:50	16.111
8/23/24 7:55	16.111
8/23/24 8:00	16.111
8/23/24 8:05	16.111
8/23/24 8:10	16.101
8/23/24 8:15	16.101
8/23/24 8:20	16.101
8/23/24 8:25	16.101
8/23/24 8:30	16.101
8/23/24 8:35	16.101
8/23/24 8:40	16.101
8/23/24 8:45	16.101
8/23/24 8:50	16.091
8/23/24 8:55	16.091
8/23/24 9:00	16.091
8/23/24 9:05	16.091
8/23/24 9:10	16.091
8/23/24 9:15	16.091
8/23/24 9:20	16.091
8/23/24 9:25	16.091
8/23/24 9:30	16.091
8/23/24 9:35	16.091
8/23/24 9:40	16.091
8/23/24 9:45	16.091
8/23/24 9:50	16.091
8/23/24 9:55	16.091
8/23/24 10:00	16.091
8/23/24 10:05	16.081
8/23/24 10:10	16.091
8/23/24 10:15	16.091
8/23/24 10:20	16.091
8/23/24 10:25	16.091
8/23/24 10:30	16.091
8/23/24 10:35	16.091
8/23/24 10:40	16.091
8/23/24 10:45	16.091
8/23/24 10:50	16.091
8/23/24 10:55	16.091
8/23/24 11:00	16.091
8/23/24 11:05	16.081
8/23/24 11:10	16.081
8/23/24 11:15	16.081
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8/23/24 14:40	16.081
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8/23/24 14:50	16.091
8/23/24 14:55	16.081
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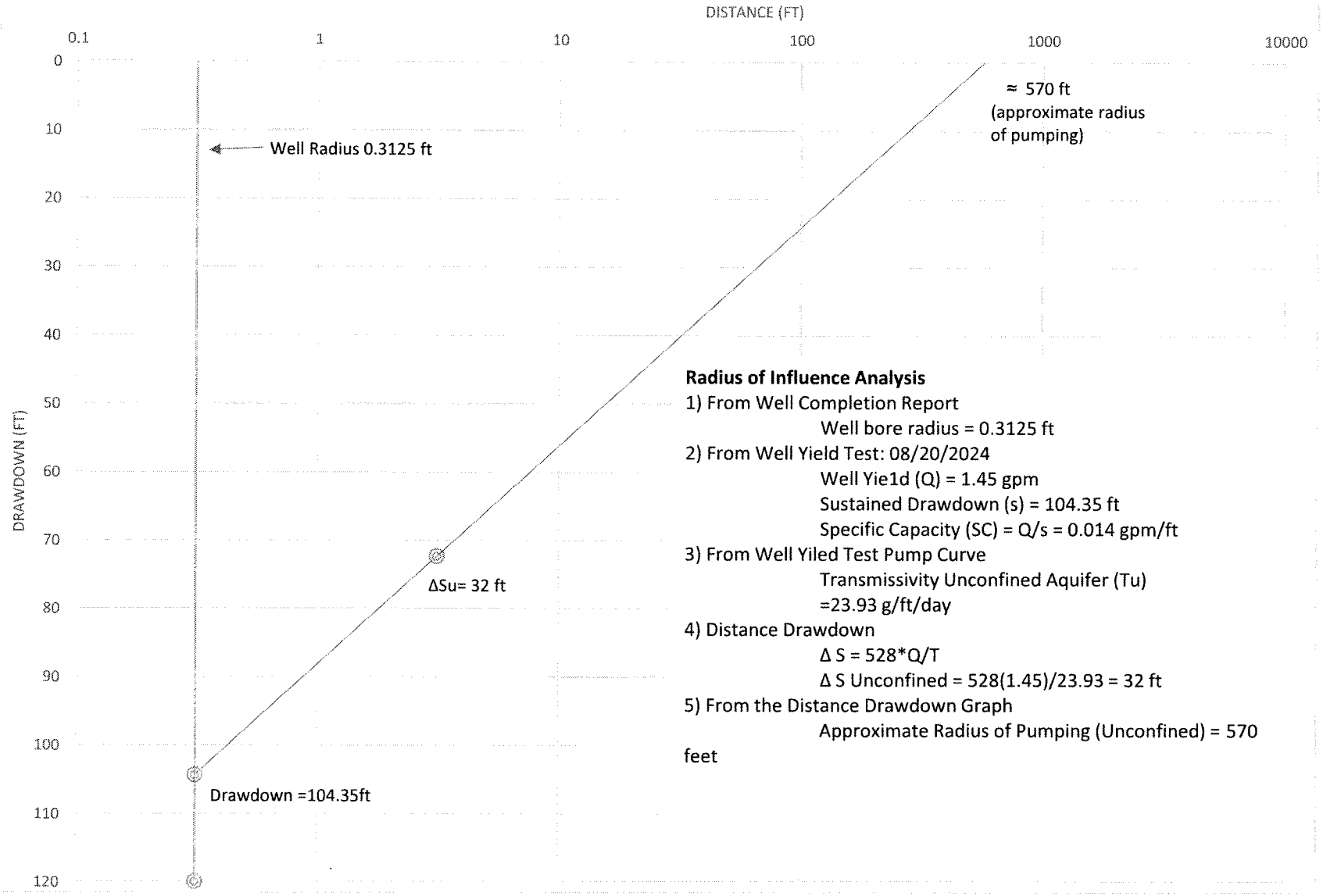
8/23/24 15:15	16.081
8/23/24 15:20	16.081
8/23/24 15:25	16.081
8/23/24 15:30	16.081
8/23/24 15:35	16.081
8/23/24 15:40	16.081
8/23/24 15:45	16.081
8/23/24 15:50	16.081
8/23/24 15:55	16.081

APPENDIX E
RADIUS OF PUMPING INFLUENCE GRAPH

Radius of Pumping Influence

10550 Lansing Street
Site Well #2

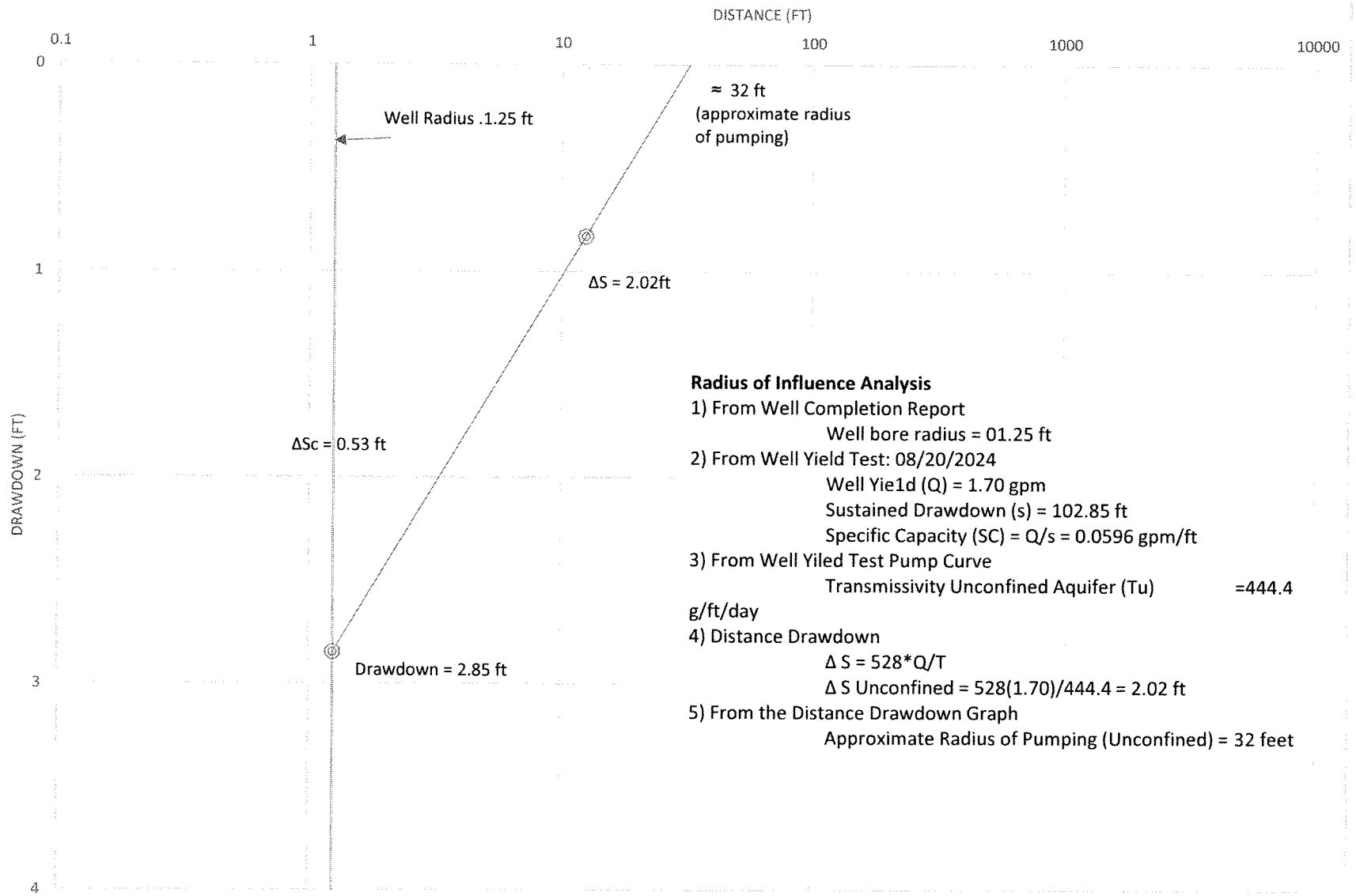


Radius of Influence Analysis

1) From Well Completion Report
   Well bore radius = 0.3125 ft
2) From Well Yield Test: 08/20/2024
   Well Yie1d (Q) = 1.45 gpm
   Sustained Drawdown (s) = 104.35 ft
   Specific Capacity (SC) = Q/s = 0.014 gpm/ft
3) From Well Yiled Test Pump Curve
   Transmissivity Unconfined Aquifer (Tu)
   =23.93 g/ft/day
4) Distance Drawdown
   Δ S = 528*Q/T
   Δ S Unconfined = 528(1.45)/23.93 = 32 ft
5) From the Distance Drawdown Graph
   Approximate Radius of Pumping (Unconfined) = 570 feet

Radius of Pumping Influence

10550 Lansing Street
Site Well #1



Radius of Influence Analysis

1) From Well Completion Report
   Well bore radius = 01.25 ft
2) From Well Yield Test: 08/20/2024
   Well Yie1d (Q) = 1.70 gpm
   Sustained Drawdown (s) = 102.85 ft
   Specific Capacity (SC) = Q/s = 0.0596 gpm/ft
3) From Well Yiled Test Pump Curve
   Transmissivity Unconfined Aquifer (Tu) =444.4 g/ft/day
4) Distance Drawdown
   Δ S = 528*Q/T
   Δ S Unconfined = 528(1.70)/444.4 = 2.02 ft
5) From the Distance Drawdown Graph
   Approximate Radius of Pumping (Unconfined) = 32 feet

received
2/12/25

MENDOCINO CITY COMMUNITY SERVICES DISTRICT
APPLICATION FOR GROUNDWATER EXTRACTION PERMIT

Fees: Administrative $200.00
Board Approval $300.00
Hydrological Study with Board Approval X $700.00 pd.

The attached Groundwater Extraction Permit Ordinance (2020-01) shall be the presiding reference for processing this application.

Name of Property Owner Ishvi Aum

Address of Property Owner 10550 Lansing St
Mendocino, CA 95460

Assessor's Parcel Number(s): 119-160-31

Street Address of Project 10550 Lansing St Mendocino 95460

Contact Person Ishvi Aum Telephone 707-813-7624
Sarah Bodnar 707-684-9431

1. Is this application being submitted as an emergency request? Please attach explanation (see definition of "emergency" in Ordinance) NO

2. Description of the Proposed Project, describing the proposed size and type of use and defining any change in water source or water use including any increase or decrease of water demand. Please include total square footage of the parcels being served.

Proposed change of uses: Commercial to Single Unit Residential, Retail to Dining/service Area, additional storage. See map for details.

3. Maximum daily amount of water use anticipated as a result of proposed change ≤1811 gal per allotment

4. Does the proposal require new well construction and/or the structural modification of an existing well? Yes____ No X

5. Have you obtained a well drilling permit from the County? Yes_____ No X If yes, please attach copy.

6. Have you obtained Coastal Commission approval for well drilling?

13. Are you applying for "limited increase in water demand" as set forth in Paragraph 4(b) of the exceptions to the hydrological study requirement? If yes, explain how you qualify for this exception.

No. Hydrological Study was conducted & demonstrates sufficient water available.

14. Are you applying for "modification in the structure or depth of an existing well, or drilling a replacement well," as set forth in Paragraph 4(c) of the exceptions to the hydrological study requirement? If yes, explain your proposed modification, or replacement well.

No.

15. Applicant shall attach a plot plan (#1) showing the location of existing water supplies from wells and water storage facilities and the location of all structures on the parcel. Also, indicate placement of any proposed new well and indicate any change in water supply and/or water demand, which will be abandoned, enlarged, or reduced. See attached map.

16. If a hydrological study is required for this permit application, the applicant shall also attach a site plan (#2) showing names and address of adjacent property owners and location of wells on adjacent properties. (See definition of "adjacent" contained in the Ordinance). Completed.

17. Applicant shall attach a scale floor plan (#3) of all structures on the parcel. Attached.

18. Itemize any proposed new water demand appliances and/or fixtures that will be included in your proposed project.

Commercial kitchen equipment + fixtures.
Residential appliances + fixtures for Single unit Residence. (Granny Unit)

The Groundwater Extraction Permit Application Approval shall automatically expire by its own terms if the property owner does not obtain Final Approval within the approved time limit found as a condition of approval in the Groundwater Extraction Permit Application Approval. For a two-year approval, the property owner may request a Groundwater Extraction Permit Application Approval Extension for an additional two years. If a Hydrological Study was required for the project and the project has been extended for ten years, the applicant shall provide an approved report that proves the conclusions of the hydrological study are still valid as a condition for additional permit extensions.

AS A CONDITION OF APPROVAL, under categories of no increase in water use (question #12) or limited increase in water use (question #13) the property owner agrees to abandon this improvement or conduct a hydrologic study as outlined in the MCCSD Groundwater Extraction Permit Ordinance should the property owner exceed the District's Water Use Standards for more than three months a year or more than two consecutive months.

AS A CONDITION OF APPROVAL, the property owner agrees to install an approved water meter at the wellhead of each well on the parcel. This meter shall be accessible to a District employee and further, property owner authorizes said District employee to read the water meter during business hours without prior permission. Property owner further agrees to submit a monthly water meter reading on the first of the month for the previous month's groundwater extraction.

The property owner agrees to the above conditions of approval and states under penalty of perjury that the above information provided is true and correct.

Executed in Mendocino, California on Feb. 12th 2025

Signature of Property Owner

Draft Proposed Site Plan & Water Allotment

Address: 10550 Lansing Street Mendocino, CA 96540
Property Owner: Ishvi Aum

LITTLE LAKE & LANSING ST.

Use	Square Footage	Gal/Unit*	Water Allotment (Gal)
Upstairs Residence	n/a	200 flat rate	200
Granny Unit (SRU)	n/a	200 flat rate	200
Office Suite 1	175 SF	.15	26.25
Nail Salon work area	40 SF	1	40
Dining 3 (no service)	80 SF	2.1	168
		Subtotal	634.25 gallons

CALPELLA & LANSING STREET

Use	Square Footage	Gal/Unit*	Water Allotment (Gal)
Retail 3	300 SF	.15	45
Office 2	158 SF	.15	23.7
Retail 1	1145 SF	.15	171.75
Dining 1 (full service)	170 SF	3.4	578
Retail 2	458 SF	.15	68.7
Dining 2 (full service)	54 SF	2.9	156.6
Dining 4 (full service)	46 SF	2.9	133.4
		Subtotal	1177.15 gallons
		TOTAL	1811 gallons

** Calculations based on Appendix C: Water Use Standard in ORDINANCE 2020-1 MENDOCINO CITY COMMUNITY SERVICES DISTRICT GROUNDWATER EXTRACTION PERMIT REQUIREMENT FOR ALL REAL PROPERTY WITHIN ITS BOUNDARY.*

GROUNDWATER EXTRACTION PERMIT APPLICATION APPROVAL

( ) Administrative (☑)Board of Directors

GWEA No. 2025-335 Fees: $700 Paid Date: 2/12/20205

Property Address: 10550 Lansing St., Mendocino

Property Owner's Name: Ishvi Aum

Property Owner's Mailing Address: PO Box 1033, Mendocino

Contact Person/Agent: Ishvi Aum or Sarah Bodner

Telephone: 707-831-7624 or 707-684-9431 APN: 119-160-13

Date of Application: 2/12/2025 Date of Review: 2/21/2025

Application Deemed Complete Yes (☑) No ( )

Hydrological Study Required Yes (☑) No ( )

Exceptions to Study Requirements:

- ( ) **4 (a) No Increase**
- ( ) **4 (b) Limited Increase in Demand**
- ( ) **4 (c) Deepening or Drilling Well**
- ( ) **4 (d) Prior to Issuance of County Use Permit**
- ( ) **4 (e) Prior to Issuance of County Building Permit**

Staff Comments/Recommendations:

The approved project will include two (2) 1-2 bdrm residences, two (2) office spaces, 158 sq ft and 175 sq ft, one (1) nail salon, work space 40 sq ft, three (3) retail spaces, 300 sq ft, 1,145 sq ft, and 458 sq ft, one (1) food and beverage establishment, no service, 80 sq ft, three (3) food and beverage establishments, full service dining area, 170 sq ft, 54 sq ft, and 46 sq ft . Property owners still must complete a sewer right of use form and pay for the additional development of 5.85 ESD's. Property owners must continue to report their monthly water meter extraction from each well.

This approval does not guarantee that sufficient quantities of water exist on this property for the intended use. This document is intended solely as an indication that the applicant has met the minimum District requirements for proof of water. The actual quantity or quality of water to be derived from any well is a function of factors beyond the District's control, and the District makes no representations whatsoever in this regard. By signing this document, the applicant agrees he/she has read and understands this disclaimer.

Permit Conditions/Conservation Measures:

1. Property owner agrees to allow District personnel to inspect water meter installation
2. Property owner agrees to allow District personnel to GPS wellsite
3. Property owner agrees to provide a copy of the well log to MCCSD
4. Property owner agrees to sign and return this approval by **3/24/2025**
5. A Final Groundwater Extraction Permit shall be issued by MCCSD following completion of the above listed conditions and receipt of this signed approval form

Water Meter Installed Yes (☑) No ( )

Groundwater Extraction Allotment after Issuance of Permit

Monthly Allotment	**Daily Allotment**
54,330 gallons	1,811 gallons per day

Pursuant to the authority as set forth in the California Water Code Sections 10700 through 10717 and MCCSD Ordinance No. 2020-01, the Mendocino City Community Services District hereby ( ) approves ( ) denies ( ) continues a Groundwater Extraction Permit for APN 119-160-31 by the following:

(☑) Vote of the Board AYES:
NOES:
ABSTAIN:

_____ _____
President of the Board Date

_____ _____
Attest: District Secretary Date

( ) Administrative Approval

_____ _____
District Superintendent Date

_____ _____
Attest: District Secretary Date

(☑) Acknowledgment signature required by Property Owner of the above permit conditions

_____ _____
Property Owner/
Representative of Owner Date

(GWEP Application Approval Expiration Date: 2/24/2027)

Note: Please execute and return the original document with your signature to validate your Groundwater Extraction Permit Application Approval.