CORVUS NEVADA GOLD INC.

NORTH BULLFROG PROJECT

PUMPING TESTS: WW-21-02 & WW-21-03

NOVEMBER 2023 – FEBRUARY 2024

MAY 2024

PREPARED FOR:

Nevada Division of Water Resources
&
Beatty Water and Sanitation District

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1. INTRODUCTION

To further support hydrogeologic characterization studies at the North Bullfrog Project (NBP) nine miles north of Beatty, NV, Corvus Gold Nevada Inc, (CGN) proposed and conducted two 28-day pumping tests to assess hydrogeologic conditions and potential groundwater impacts between the area of planned mining operations and surrounding NBP region.

The specific purposes and needs for the two 28-day pumping tests were to:

- further inform conceptual site-specific, local-scale interpretations made during shorter duration pumping tests conducted earlier in 2021 for the purpose of developing a dewatering system and well design for mine operations;
- evaluate responses at more distant groundwater monitoring locations to validate the regional-scale, conceptual site model of water resources;
- revise the current numerical groundwater flow model for projecting the potential impacts of the proposed mining operation.

The context and complete background details for the test were presented in the Monitoring Plan ('Plan'). The Plan was provided to the Nevada Division of Water Resources (NDWR) as part of the temporary water rights for the testing. The temporary water rights were leased from the Beatty Water and Sanitation District (BWSD).

The Plan is included as Attachment A to this report. Attached Figure 1 shows the key details of the 2023-2024 testing. Supplemental figures for this report also will be found in the Plan.

2. PUMPING WELLS

2.1. Objectives

As noted above, and in the Plan, pumping and drawdown the local aquifer was conducted to assess connectivity within and between stratigraphic units and across geologic faults and other structural features.

2.2. WW-21-02

WW-21-02 was the first pumping test. The location is noted in Figure 1 of this report and Figures 2-2 and 5.2 of the Plan. The test was authorized for 75 acre-feet of temporary, untreated discharge of groundwater.

At the time of pump installation and after the short systems check of pump and generator performance, it was observed that WW-21-02 had biofouling of the well screen intervals. Likely this was an iron bacteria growth commonly observed in groundwater wells. The biofouling occurred while the well was idle since the last pumping test in 2021. The implication to the test was that well efficiency (ratio of drawdown in the well casing from pumping to the actual drawdown in the aquifer) was lower than expected due to the impaired flow from the aquifer through the clogged screen into the well. The observed drawdowns are discussed in section 2.2.7. The impact to the test was a lower than targeted pumping rate (section 2.2.5). Outside the biofouled well screen and in the native bedrock the aquifer response to the withdrawal of water was measured by the monitor wells and Vibrating Wire Pressure Transducers (VWPs). This will be discussed in Section 3.

2.2.1. Well depth and completion details

The WW-21-02 well is 481 feet deep. The NDWR log is attached as Attachment B to this report. Additional completion details are in the Plan (Attachment A).

2.2.2. Pumping setup

A 6-inch diameter pump and approximate 60hp motor assembly was installed in the well. The pump was installed to a depth of 455 feet. The pumping specifications are provided in Attachment C.

An earlier consideration for the pumping rate was up to 600 gpm. This ultimately was not a feasible pumping rate with the pump that was available to CGN at the time of the test.

The pump was powered by a CAT generator (with backup generator present) which was designed for variable frequency control. This provided continuous control of the pumping rate and near continuous operation of the pump (minor crossover time to switch generators). The pump and generator installation was temporary. Environmental containment and 24-hour equipment supervision were implemented throughout the testing. Figure 2 shows the site configuration and the operational summary.

2.2.3. Pump on

The pumping commenced on November 8, 2023 at 11am.

2.2.4. Pump off

The pumping stopped on December 6, 2023 at 11am. The duration of pumping was 28 days.

2.2.5. Pumping rate

Flow was measured at the well head by two totalizing flow meters. The meters output the instantaneous flow rate and the cumulative gallons pumped.

The measured flow rate varied from 188 gpm to 200 gpm. The flow recording data are presented in Figure 3. There was a slight decline over time.

2.2.6. Total pumped

The total discharge from the well over the 28-day test was 7,652,988 gallons at an average pumping rate of 189.9 gpm. The total volume of the test was 23.49 acre-feet. Two short duration step tests were conducted before the constant rate pump test and discharged approximately 0.172 acre-feet.

2.2.7. Water level measurement

Water level in the well was measured and recorded by a water level sensor (pressure transducer or probe) and integrated datalogger according to the proposed Plan. Additional manual measures by an electric tape were collected throughout the duration of testing for verification of water level measurements. The measurements cover the pre-pumping, pumping, and recovery periods. The water level data over the course of the test and recovery are presented in Figure 4.

2.2.8. Water quality

Three water quality samples were collected from the well during the test. The sample intervals were 1, 21, and 28 days. A summary table and the laboratory data are included in Attachment D1.

2.2.9. Test discharge

The groundwater discharge from the tests was routed to a location noted in Figure 5. The figure also includes a summary of concurrent conditions. Occasional spray evaporation of the water was carried during the daylight hours.

Based on the decreasing flow rates along the flow path (whether spray evaporation was occurring) and the ultimate disappearance of water at the terminus of flow, the test water infiltrated to the shallow colluvium and basin fill deposits along the flow path.

The supervisory staff monitored the discharge conditions daily and recorded the flow extent and other relevant details as necessary. No issues were noted.

2.2.10. Discussion

No environmental issues occurred at the well location.

The pumping and monitoring at the well were executed as noted in the Plan.

2.3. WW-21-03

WW-21-03 was the second pumping test. The location is noted in Figure 1 of this report and Figures 2-2 and 5-2 of the Plan. The test was authorized for 75 acre-feet of temporary, untreated discharge of groundwater.

Prior to the pump installation, this well was cleaned and swabbed to remove any potential biofouling. The results were increased well efficiency.

2.3.1. Well depth and completion details

The WW-21-03 well is 520 feet deep. The NDWR log is attached as Attachment B to this report. Additional completion details are in the Plan (Attachment A).

2.3.2. Pumping setup

The same pump and motor were used. The pump was installed to a depth of 494 feet. The pumping specifications are provided in Attachment C.

An earlier consideration for the pumping rate was up to 600 gpm. This ultimately was not a feasible pumping rate with the pump that was available to CGN at the time of the test.

As with WW-21-02, the pump was powered by a CAT generator (with backup generator present) which was designed for variable frequency control. This provided continuous control of the pumping rate and near continuous operation of the pump (minor crossover time to switch generators). The pump and generator installation was temporary. Environmental containment and 24-hour equipment supervision were implemented. Figure 6 shows the site configuration and the operational summary.

2.3.3. Pump on

The pumping commenced on January 23, 2024 at 2pm.

2.3.4. Pump off

The pumping stopped on February 20, 2024 at 2pm. The duration of pumping was 28 days.

2.3.5. Pumping rate

Flow was measured at the well head by two totalizing flow meters. The meters output the instantaneous flow rate and the cumulative gallons pumped.

The measured flow rate varied from 248 gpm to 251 gpm. The flow recording data are presented in Figure 7. There was a slight decline over time.

2.3.6. Total pumped

The total discharge from the well over the 28-day test was 10,103,390 gallons at an average pumping rate of 250.6 gpm. The total volume of the test was 31.01 acre-feet. A short duration step test was conducted before the constant-rate pumping test and discharged approximately 0.256 acre-feet.

2.3.7. Water level measurement

Water level in the well was measured and recorded by a probe and integrated datalogger according to the proposed Plan. Additional manual measurements by an electric tape were collected throughout the duration of testing. The measurements cover the pre-pumping, pumping, and recovery periods. The water level data over the course of the test and recovery are presented in Figure 8.

2.3.8. Water quality

Two water quality samples were collected from the well during the test. The sample intervals were 1 and 28 days. A summary table and the laboratory data are included in Attachment D2.

2.3.9. Test discharge

The groundwater discharge from the testing phases of the well was routed to a location noted in Figure 9. The figure also includes a short summary of concurrent conditions. This is a natural drainage. Based on the decreasing flow rates along the flow path and the ultimate disappearance of water at the terminus of flow, the test water infiltrated to the shallow colluvium and basin fill deposits along the flow path.

The supervisory staff monitored the discharge conditions daily and recorded the flow extent and other relevant details as necessary. No issues were noted.

2.3.10. Discussion

No environmental issues occurred at the well location.

The pumping and monitoring at the well were executed as proposed in the Plan.

3. CGN MONITOR WELLS and VWPs

3.1. Objectives

Monitor wells, exploration wells, and production wells have been completed throughout the NBP area to allow for measurement of potentiometric head, representative water table conditions and gradient, and sampling of groundwater. Locations are based on consideration of the directions of regional groundwater flow and proposed mining, processing and waste rock facilities.

Single-level VWPs and multi-level VWPs have been installed extensively throughout the NBP area. Locations were selected to collect spatially representative groundwater level data (hydraulic head) and conduct multiple pumping tests to support the Hydrogeology Baseline evaluation. The VWPs have been installed in boreholes using the 'grout-in-place' method (Mikkelsen and Green, 2003) and conforms to State regulations (NDWR, 2012). These references are provided in reference section of the Plan.

3.1.1. Location of wells and VWP and completion details

The locations of the monitoring wells have been chosen to satisfy the following general criteria:

- The monitoring well locations should reflect existing upgradient, downgradient, or cross-gradient conditions based on the conceptual project lay-out and extent, and the understanding of regional groundwater flow.
- Where possible the monitoring wells should be located for use in future hydrologic characterization testing for project water resource production and pit dewatering/pit lake predictions.
- The monitoring well sites should be located, to the extent possible, to ensure long-term monitoring during baseline, construction, operation, and closure.

The locations are shown on Figure 10.

The individual completion details are compiled in the Plan.

Data are collected from water level probes and transducers placed below the water table (monitor well) or grouted in place (VWPs). Data are collected based on a pre-determined schedule and are stored in dataloggers. The data are periodically downloaded for assessment and analysis. Data collection was discussed in the Plan.

3.1.2. Drawdown

Data collection during the pumping drawdown phase was described in the Plan.

3.1.3. Recovery

Data collection during the pumping recovery phase was described in the Plan.

3.2. Water Levels and Pressures

3.2.1. Monitor wells

Data collected from the monitor wells during the drawdown and recovery phases of the WW-21-02 and WW-21-03 programs are presented in Attachment E1. The data for monitor wells NB-WW-03, -04, -05, -06, -07, -08, -9, -10, -11, and -12 have been corrected for barometric pressure changes considering non-vented pressure transducers were deployed and are being used in the analysis of the pump tests. Most of these wells show no impact from the aquifer tests. The two exceptions are: NB-WW-11 which reflects the pumping of a nearby supply well (WW-21-14R) and NB-WW-06. This well is completed in a low permeability stratigraphic unit and showed pumping impacts and slow recovery.

The data from the monitor wells will be further analyzed and included, as needed, in any updated baseline hydrogeological work.

3.2.2. VWPs

Data collected from the VWPs during the drawdown and recovery phases of the WW-21-02 and WW-21-03 programs are presented in Attachment E2.

The pressure (hydraulic head) data recorded by the VWPs associated with the WW-21-02 test (VWP-03, -04, -05, -06, -09, -10, NB-13-226, NB-13-229, NB-13-235, NB-21-523, and NB-21-527) are close to the pumping wells and were monitored to assess connectivity during the depressurization (drawdown) and recovery phases of testing. The pressure data recorded by the VWPs associated with the WW-21-03 test (VWP-07, -08, -10, -06, NB-13-258, NB-21-520, NB-21-521, and NB-21-522) are close to the pumping wells and were monitored to assess connectivity during the depressurization and recovery phase.

There are two considerations in the on-going analysis: 1) These are not *water table* drawdown plots due to the nature and installation of the vibrating wire pressure transducer instruments; and 2) structural geological conditions (e.g., stratigraphic contacts and faults) may be barriers between the pumping wells and some VWPs that hydraulically compartmentalize the bedrock aquifer system. This was a key hydrogeological assessment in the existing baseline analysis.

3.3. Discussion

Both tests show a local response (depressurization) by the aquifers due to pumping. The summarized spatial impacts are noted in Figures E1 and E2 of Attachment E, respectively.

3.3.1. WW-21-02

The provisional observations for WW-21-02:

- The stratigraphic units composing the aquifers below the Sierra Blanca and Yellow Jacket pits were locally impacted as shown in responses of the VWPs. The depressurization responses for the upper most piezometer (or the single piezometer locations) are compiled in Figure E1.
- The presence of faults that act as barriers on the north and east are confirmed by the absence of responses in two key VWPs. On the north side, VWP-21-04 had one impacted transducer which was located on the same side of the fault as the pumping well. The other three transducers (on the other side of the fault) showed no response. On the east side, VWP-21-10 showed no response across one or more major faults. Also, the monitor wells on the east, west, and northwest zones (NB-WW-07, -08, and -09, respectively) showed no measurable responses from testing. These responses are summarized on Figure E1 and provided in the plots of Attachment E1 and E2.
- The local impact in the pit footprint suggests the hydrogeology assumption that the Yellow Jacket pit can be dewatered by groundwater pumping from wells. This supports the 2021 pump test assessment and modeling as reported in the baseline report.
- The recovery of water levels in the pumping well after the pump test are noted on Figure 3. After 35 days of recovery from the pump test (through 1/10/24), the water levels had recovered to approximately 96% of the pre-start levels. The recovery curves were still trending to pre-start levels and will be monitored through 2024. The pressure recoveries in the VWPs are noted in plots of Attachment E2. The monitor well data also are included in Attachment E1.

3.3.2. WW-21-03

The provisional observations for WW-21-03:

- The stratigraphic units composing the aquifers below the Savage Valley, Sierra Blanca, and Jolly Jane pits were variably impacted as shown in the VWPs. The depressurization responses for the upper most piezometer (or the single piezometer locations) are compiled in Figure E2.
- The presence of a fault on the northeast (VWP-21-10) and the low permeability domain to the south (towards NB-WW-06) and southeast (Jolly Jane pit area) are confirmed by the absence of significant responses in the key VWPs and monitor wells. These responses are compiled on Figure E2 and provided in the plots of Attachments E1 and E2.
- The local impact in the pit footprint suggests the hydrogeology assumption that the Savage Valley pit can be dewatered of groundwater pumping from wells. This supports the 2021 pump test assessment and modeling as reported in the baseline report.
- The recovery of water levels after the pump test are noted on Figure 5. After 35 days of recovery after the pump test (through 3/25/24), the water levels had recovered to 59% of the pre-start levels. The recovery curves were still trending to pre-start levels (~2 feet/month) and will be monitored through 2024. The pressure recoveries in the VWPs are noted in plots of Attachment E2. The monitor well data also are included in Attachment E1.

3.3.3. Summary

As noted, the recent data appear to validate the 2021 tests and the hydrogeological analysis as reported in the baseline report. The testing conservatively suggests that the pit dewatering by wells is feasible and that hydraulic compartmentalization of the bedrock groundwater system due stratigraphic contacts and geologic

structural faulting may limit the extent drawdown impacts. The data from the VWPs and monitor wells from both tests will be further analyzed and included, as needed, in any updated baseline hydrogeological work for the NBP.

4. BWSD WELLS AND USGS WELL

4.1. Objectives

The monitoring and inclusion of BWSD and United States Geological Survey (USGS) data in this report is to assess the impacts of the tests in a wider area.

4.1.1. Location of BWSD wells and completion details

Two BWSD wells were monitored during the tests: Beatty Summit Well and Indian Spring Well. The locations of the wells are shown on Figure 1 and in the Plan.

Beatty Summit Well

Beatty Summit well is approximately 36,800 feet (7.0 miles) to the south of WW-21-03. The Beatty Summit Well (log attached in the Plan) has a water level sensor with integrated datalogger memory that was installed in Q2 of 2022. The well was serviced in mid-November 2023 and the water level sensor was removed and was not re-installed. The project has data until mid-November 2023.

Upper Indian Spring Well

The Upper Indian Spring Well is 27,200 feet (5.2 miles) to the south of WW-21-03. The Upper Indian Spring Well (log attached in the Plan) has a water level sensor with integrated datalogger memory that was installed in Q2 of 2022. The water level sensor operated throughout the test.

Both locations have more than ten geologic structural faults[1] between them and pumping from the NBP southern-most testing location at WW-21-03.

4.1.2. Location of USGS ER-OV-05 and completion details

The ER-OV-05 well records and published water level data on the USGS website for the well: https://waterdata.usgs.gov/nwis/inventory/?site_no=370246116461901&agency_cd=USGS

The location of the well is shown on Figure 1.

The log for the ER-OV-05 well is provided in Attachment B3. The well is completed in the "Valley-Fill Deposits" (100VLFL) local aquifer as defined by the USGS. The well is 8,100 feet (1.5 miles) east northeast of WW-21-02 and 10,000 feet (1.9miles) northeast of WW-21-03.

4.2. Water Levels

Data collected during the drawdown and recovery phases of the program for the Beatty Summit well and Upper Indian Springs well are provided in Figures 11 and 12. The water level data for ER-OV-05 are presented in Figures 13 (2023-2024 focused on the test date ranges) and 14 (1997-2024 for the life of the monitoring program).

4.3. Discussion

Beatty Summit Well

[1] See Table 1 discussion of the relevant geological map and conditions.

- Figure 11 shows the depth to water data for the Beatty Summit well prior to the test demonstrating the fluctuating range due to pump operation: approximately 410 to 430 feet below the ground surface when the pump is off and approximately 475 to 515 below the ground surface with the pump is on.
- The approximate 65-foot drawdown appears constant over the Q2 2022 to Q4 2023 operational range. The water levels and the 65-foot drawdown has an annual cycle with the peak levels in April and the lower levels in September-October.
- The termination of data from the Summit well due to maintenance is offset by the continuous data collection from Upper Indian Springs Well which is closer to the NBP project. Once the Beatty Summit Well data collection is resumed, the results provided to BWSD can be compared to the historic ranges.

Upper Indian Spring Well

- Figure 12 shows the depth to water data for the Upper Indian Spring well prior to the test demonstrating the fluctuating range due to pump operation: approximately 215 to 255 feet below ground surface when the pump is off and approximately 230 to 270 feet below ground surface when the pump is operating.
- The approximate 20 foot operational drawdown appears constant over the Q2 2022 to Q1 2024 period. Based on the observed monitoring period, there seems to be a seasonal cycle with a peak in April and a low point in September.
- Also notable, there appears to be a longer-term rise in the operational drawdown over the monitoring period, possibly due to lower pumping rates or recharge from higher than average 2022-2023 precipitation in the Beatty area.
- The data suggest no impact from the NBP pump testing program. The slight deflections in data in November 2023 during the WW-21-02 test and after the WW-21-03 test are believed to be a change in pumping rates due to BWSD operational demands, not any regional impact.

ER-OV-05

- The ER-OV-05 well (Figure 13) showed no discernable response or change the water level from the WW-21-02 or WW-21-03 pumping test activities.
- There was a slight change in the water level trend (increase) following the Hurricane Hilary event of 19-21 August 2023. The typical yearly cycle for ER-OV-05 shows the water level trend generally increasing in the fourth quarter.
- The long-term data are noted in Figure 14.

5. Springs

5.1. Location Details

The spring locations are noted in Figure 4-1 of the Plan. Spring monitoring was discussed in the Plan.

The geographic and hydrogeological context details for the springs are compiled in Table 1. In all casess the springs occur in separate stratigraphic units and are separated from the project area by multiple geologic faults and other structural features.

5.2. Water Quality and Field Data

The springs were sampled for water quality parameters prior to the tests beginning in September 2023 and four times over the two pump tests. The springs were sampled again after all the testing in mid-March of 2024. The water quality data are compiled into tables by test and are included in Attachments D1 (WW-21-02) and D2 (WW-21-03).

The field data for flow are noted in Table D1. The flow data show the normal range of fluctuation during the monitoring period and are within the range of values for the baseline period of 2013-2023.

5.3. Discussion

No spring flows were observed to be impacted by the test. Field observations and water quality parameters remained constant during the test and were consistent with historical data. A summary of the spring monitoring context is provided here, as well as in referenced Table 1.

SPRING	INTERVENING MONITOR WELL OR VWP	COMMENT
North Mud	NB-WW-08	Intervening monitoring point showed no impact. Also, the spring is considered to be detached from the regional groundwater table (perched).
Mud	NB-WW-08	Intervening monitoring point showed no impact. Also, the spring is considered to be detached from the regional groundwater table (perched).
Springdale	NB-WW-07; VWP-21-10	Intervening monitoring points showed no impact.
Wehrly	NB-WW-12; VWP-21-10	Intervening monitoring points showed no impact.
Brian	NB-WW-05; NB-WW-03	Intervening monitoring points showed no impact.
Burro	NB-WW-05	Intervening monitoring point showed no impact.
North Goss	NB-WW-05	This spring is located on the east side of the Amargosa River drainage.
Indian Spring	NB-WW-05; NB-WW-04; NB-WW-03	Intervening monitoring points showed no impact.

Spring monitoring for field and water quality parameters will continue quarterly through 2024.

6. CONCLUSIONS

6.1. Pump Test Outcomes

6.1.1. WW-21-02

The test results for WW-21-02 confirmed prior, shorter-term testing in 2021 and observed impact across the proposed Sierra Blanca and Yellow Jacket mining areas. The observed distribution of water level and hydraulic head responses validates a dewatering well based strategy to keep the pits dry for safety and operational reasons during the proposed mining. CGN will continue to analyze the results and update the assessment of the baseline hydrogeological conditions and impacts as needed.

6.1.2. WW-21-03

The test results for WW-21-03 confirmed prior, shorter-term testing in 2021 and observed impact across the proposed Sierra Blanca and Savage Valley mining area. The observed distribution of water level and hydraulic head responses validates a dewatering well based strategy to keep the pits dry for safety and operational

reasons during the proposed mining. CGN will continue to analyze the results and update the assessment of the baseline hydrogeological conditions and impacts as needed.

6.1.3. Spring impacts

The spring monitoring data collected prior to the test, during both pumping tests, and after the tests showed no impact to the springs.

6.1.4. Continued observations

The monitor wells and VWPs will remain instrumented and will continue to be monitored as part of the on-going baseline data collection. The monitor wells also have quarterly water sampling.

The eight springs in this report, including Indian Spring near the BWSD Upper Indian Spring Well, and 30+ other district springs will be monitored quarterly through 2024 and 2025.

6.2. Impacts to BWSD Infrastructure

Monitor wells in the southern part of the NBP mine plan footprint (NB-WW-05, NB-WW-04, and NB-WW-03) that are between the pumping wells and the BWSD wells showed no measurable water level responses from either testing activity. Based on this, the drawdown and overall groundwater impact from the WW-21-02 and WW-21-03 pumping tests did not extend to the southern NBP project boundary.

The southern most monitor well (NB-WW-04) is approximately 15,000 and 24,000 feet from Upper Indian Well and Beatty Summit Well, respectively. The distances are shown on Figure 1 and in the Plan. As noted previously, there are more than ten faults between the tests and the BWSD wells that likely compartmentalize the impacts to near the two test wells.

Monitoring at the Upper Indian Spring Well did not show any response to NBP pumping. The local water level changes in November and in late February appear related to the pumping rate at the Upper Indian Spring Well.

The measuring probe in the Beatty Summit well was removed when the pump was removed and serviced in November. It has not yet been replaced and a new installation is under review.

CGN will work with BWSD to continue monitoring the Beatty Summit Well and Upper Indian Springs Well through 2025.

Corvus Gold Nevada Inc.

TABLE 1. SPRING CONTEXT DATA

SPRING	Pumping well	Horizontal distance between well and spring	Vertical distance between well and spring	Geological controls at the spring location	Aquifer conditions and type between pumping well and spring location (source USGS Fridrich et al., 2003; SIM Map 2957.)
North Mud Spring	WW-21-02	10,500 feet (2.0 miles)	118 feet (spring is HIGHER)	Tertiary: Rainbow Mtn Rhyolite Tuffs (Trt)	Tertiary geological units. More than six mapped USGS faults
	WW-21-03	9,800 feet (1.9 miles)	56 feet (spring is HIGHER)		Tertiary geological units. More than seven mapped USGS faults
Mud Spring	WW-21-02	22,500 feet (4.3 miles)	92 feet (spring is HIGHER)	Young alluvial deposits (Qa) Tertiary volcanics nearby: Trt; Trl; Tdt	Tertiary geological units. More than ten mapped USGS faults
	WW-21-03	20,700 feet (3.9 miles)	30 feet (spring is HIGHER)		Tertiary geological units. More than ten mapped USGS faults
Brian Spring	WW-21-02	21,500 feet (4.1 miles)	-59 feet (spring is LOWER)	Young alluvial deposits (Qa) Tertiary volcanics nearby: Tyx. Paleozoics nearby: Cc; Cz.	Tertiary, Paleozoic geological units. More than ten mapped USGS faults
	WW-21-03	18,100 feet (3.4 miles)	-78 feet (spring is LOWER)		Tertiary, Paleozoic geological units. More than eight mapped USGS faults
Springdale Spring	WW-21-02	12,200 feet (2.3 miles)	-302 feet (spring is LOWER)	Young alluvial deposits (Qa) Tertiary volcanics (Tba) and gravels (Tgs) nearby	Tertiary geological units. At least three mapped USGS faults. Additional CGN-mapped faults are known.
	WW-21-03	11,800 feet (2.2 miles)	-364 feet (spring is LOWER)		Tertiary geological units. At least three mapped USGS faults. Additional CGN-mapped faults are known.
Wehrly Spring	WW-21-02	23,400 feet (4.4 miles)	-476 feet (spring is LOWER)	Colluvium (Qtc); Tertiary volcanics nearby: Tyx.	Tertiary, Paleozoic geological units. More than ten mapped USGS faults
	WW-21-03	21,200 feet (4.0 miles)	-538 feet (spring is LOWER)		Tertiary, Paleozoic geological units. More than ten mapped USGS faults
Indian Spring	WW-21-02	31,400 feet (5.9 miles)	-59 feet (spring is LOWER)	Tertiary rhyolite lavas (Trl)	Tertiary, Paleozoic geological units. More than ten mapped USGS faults
	WW-21-03	27,600 feet (5.2 miles)	-78 feet (spring is LOWER)		Tertiary, Paleozoic geological units. More than ten mapped USGS faults

SPRING	Pumping well	Horizontal distance between well and spring	Vertical distance between well and spring	Geological controls at the spring location	Aquifer conditions and type between pumping well and spring location (source USGS Fridrich et al., 2003; SIM Map 2957.)
Burro Spring	WW-21-02	21,500 feet (4.1 miles)	-492 feet (spring is LOWER)	Tertiary Landslide breccias (Tyx)	Tertiary, Paleozoic geological units. More than ten mapped USGS faults
	WW-21-03	18,100 feet (3.4 miles)	-554 feet (spring is LOWER)		Tertiary, Paleozoic geological units. More than ten mapped USGS faults
North Goss Spring	WW-21-02	29,200 feet (5.5 miles)	-318 feet (spring is LOWER)	Young alluvial deposits (Qa). Tertiary volcanics nearby: Tmc	Tertiary, Paleozoic geological units. More than ten mapped USGS faults
	WW-21-03	27,200 feet (5.2 miles)	-380 feet (spring is LOWER)		Tertiary, Paleozoic geological units. More than ten mapped USGS faults

Figure 1: Project Layout (from Plan)

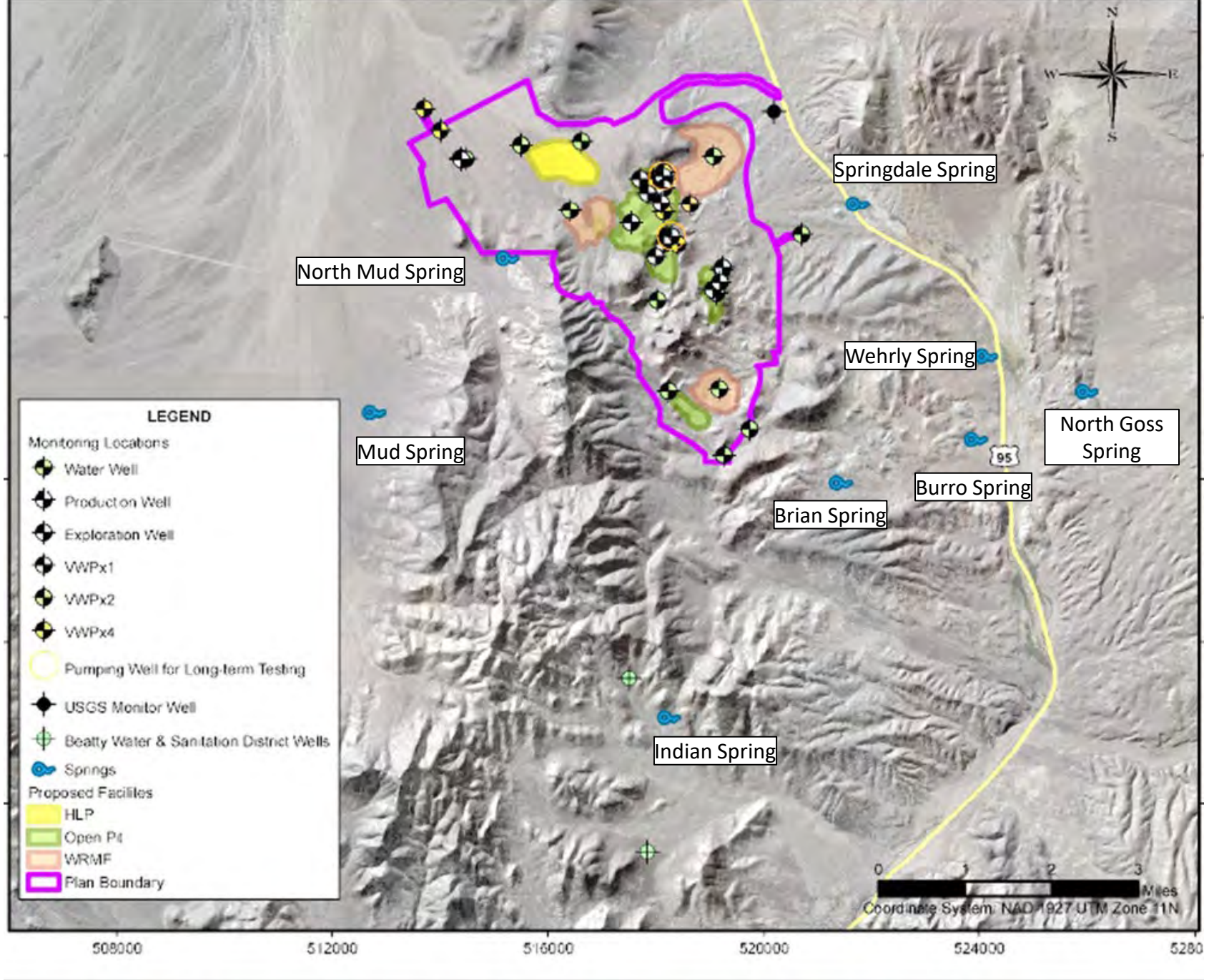


Figure 2-2. Proposed project facilities and monitoring locations for pumping tests.

Figure 2:
WW-21-02
Details

TEST #1 (91254T) WW-21-02: DETAILS

- NDWR and BWSD authorization = 75 acre-feet
- Pumping well: WW-21-02
- Test duration: 28-days: 11/8/23 to 12/6/23
- Pumping rate: ~190 gpm over duration of test.
- Supervision: 24/7 coverage at pump and generator. No lost time due to equipment issues.
- Supervision: daylight monitoring measurements and inspections.
- No interruptions to test. Generator cross-over was very quick.
- No safety incidents or environmental releases.
- Weather during test: total precipitation = 0.42”; Temperature = 49F (ave); 58F (ave high)

- **Total Pumped water (step and constant rate testing):**

  7,708,931 gallons/ 23.66 acre-feet
- ***Unused water: 51.34 acre-feet***

Well WW-21-02

Volume Pumped Tracking

Permit Number:	*TNEV2023123*	
total volume pumped =	*55,943*	*gallons*
total volume pumped (acre-feet) =	*0.172*	*acre-feet*
days of pumping period =	*0.23*	

Identifier	Start Date and Time	Start Volume Pumped (gallons)	End Date and Time	End Volume Pumped (gallons)	Daily Volume Pumped (gallons)	Daily Volume Pumped (acre-feet)	Daily Average Pumping Rate (gpm)
Pre-test 1	11/03/2023 15:15	0	11/03/2023 16:45	16646	16,646	0.051	185
Pre-test 2	11/07/2023 12:00	16646	11/07/2023 16:00	55943	39,297	0.121	164
Pre-test TOTAL			0.23		55,943	0.172	

Figure 3: WW-21-02 Pumping

Permit Number:	*TNEV2023123*
total volume pumped =	*7,652,988* *gallons*
total volume pumped (acre-feet) =	*23.486* *acre-feet*
days of pumping period =	*28.00*
average daily volume pumped =	*273,321* *gallons per day*
average daily volume pumped =	*0.839* *acre-feet per day*

Identifier	Start Date and Time	Start Volume Pumped (gallons)	End Date and Time	End Volume Pumped (gallons)	Daily Volume Pumped (gallons)	Daily Volume Pumped (acre-feet)	Daily Average Pumping Rate (gpm)
Constant Rate	11/8/2023	55943	11/09/2023 00:20	213918	157,975	0.485	197
Constant Rate	11/9/2023	213918	11/10/2023 00:00	489537	275,619	0.846	194
Constant Rate	11/10/2023	489537	11/11/2023 00:00	764779	275,242	0.845	191
Constant Rate	11/11/2023	764779	11/12/2023 00:00	1037652	272,873	0.837	189
Constant Rate	11/12/2023	1037652	11/13/2023 00:00	1310474	272,822	0.837	189
Constant Rate	11/13/2023	1310474	11/14/2023 00:00	1585036	274,562	0.843	191
Constant Rate	11/14/2023	1585036	11/15/2023 00:00	1858519	273,483	0.839	190
Constant Rate	11/15/2023	1858519	11/16/2023 00:00	2132144	273,625	0.840	190
Constant Rate	11/16/2023	2132144	11/17/2023 00:00	2403015	270,871	0.831	188
Constant Rate	11/17/2023	2403015	11/18/2023 00:00	2676392	273,377	0.839	190
Constant Rate	11/18/2023	2676392	11/19/2023 00:00	2952823	276,431	0.848	192
Constant Rate	11/19/2023	2952823	11/20/2023 00:00	3227923	275,100	0.844	191
Constant Rate	11/20/2023	3227923	11/21/2023 00:00	3502416	274,493	0.842	191
Constant Rate	11/21/2023	3502416	11/22/2023 00:00	3775483	273,067	0.838	190
Constant Rate	11/22/2023	3775483	11/23/2023 00:00	4047435	271,952	0.835	189
Constant Rate	11/23/2023	4047435	11/24/2023 00:00	4318325	270,890	0.831	188
Constant Rate	11/24/2023	4318325	11/25/2023 00:00	4588911	270,586	0.830	188
Constant Rate	11/25/2023	4588911	11/26/2023 00:00	4859187	270,276	0.829	188
Constant Rate	11/26/2023	4859187	11/27/2023 00:00	5129590	270,403	0.830	188
Constant Rate	11/27/2023	5129590	11/28/2023 00:00	5399349	269,759	0.828	187
Constant Rate	11/28/2023	5399349	11/29/2023 00:00	5671644	272,295	0.836	189
Constant Rate	11/29/2023	5671644	11/30/2023 00:00	5945323	273,679	0.840	190
Constant Rate	11/30/2023	5945323	12/01/2023 00:00	6213601	268,278	0.823	186
Constant Rate	12/1/2023	6213601	12/02/2023 00:00	6491642	278,041	0.853	193
Constant Rate	12/2/2023	6491642	12/03/2023 00:00	6764486	272,844	0.837	189
Constant Rate	12/3/2023	6764486	12/04/2023 00:00	7040901	276,415	0.848	192
Constant Rate	12/4/2023	7040901	12/05/2023 00:00	7308953	268,052	0.823	186
Constant Rate	12/5/2023	7308953	12/06/2023 00:00	7582931	273,978	0.841	190
Constant Rate	12/6/2023	7582931	12/06/2023 11:00	7708931	126,000	0.387	191
Constant Rate TOTAL			28.0		7,652,988	23.486	189.9

Figure 4: WW-21-02 Water Levels

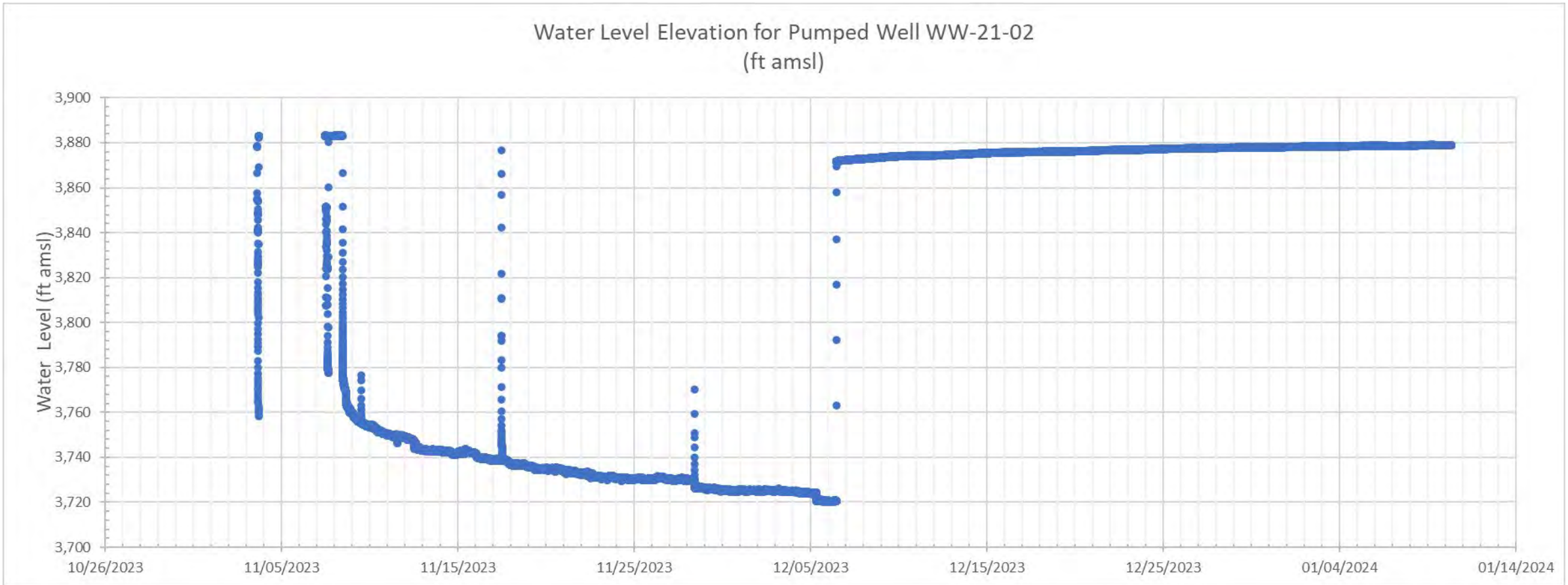


Figure 4: WW-21-02 Flows

Crossing Strozzi Ranch Road

Downgradient of Strozzi Ranch road in dry wash near terminus.

TEST #1 (WW-21-02 - 91254T): SURFACE FLOW

- 23.66 acre-feet pumped.
- Flow path was to the north then east along an existing wash/storm water drainage.
- Daily inspection of the discharge flow path to document downgradient extent and sediment control.
- Surface flow stopped as gradient flattened near the US95 RoW.
- Decreasing flow rates along flow path suggested infiltration. >80% discharge of the water is estimated to have been infiltrated.
- Infiltration to surface alluvium and gravels along flow path becomes recharge to shallow ‘basin fill aquifer’ of Oasis Valley.

- Hurricane Hilary perspective (8/19/23 to 8/21/23) and early February (2/1/24 - 2/9/24)
  - 3.71” and 3.5” of rain recorded in the Bullfrog Hills uplands.
  - ~1556-acre watershed (including Test #1 flow path) ending near US95 RoW.
  - ~481 & 454 acre-feet of water added to the watershed from these events. The rainfall goes to runoff to Amargosa River valley, evapotranspiration, evaporation, and infiltration.

Figure 6:
WW-21-03
Details

TEST #2 (91255T) WW-21-03: DETAILS

- NDWR and BWSD authorization = 75 acre-feet
- Pumping well: WW-21-03
- Test duration: 28-days: 1/23/24 to 2/20/24
- Pumping rate: 248-250 gpm over duration of test
- Supervision: 24/7 coverage at pump and generator
- Supervision: daylight monitoring measurements and inspections.
- No interruptions to test. Generator cross-over was very quick.
- No safety incidents or environmental releases.
- Weather during test: precipitation = 3.75”; Temperature = 43F (ave); 50F (high)

- **Pumped water (step and constant rate testing): 10,186,963 gallons/31.26 acre-feet total**
- ***Unused water: 43.74 acre-feet***

Figure 7: WW-21-03 Pumping

Well WW-21-03 Volume Pumped Tracking

Permit Number:	*TNEV2023123*	
total volume pumped =	*83,573*	*gallons*
total volume pumped (acre-feet) =	*0.256*	*acre-feet*
days of pumping period =	*0.27*	
average daily volume pumped =	*308,577*	*gallons per day*
average daily volume pumped =	*0.947*	*acre-feet per day*

Identifier	Start Date and Time	Start Volume Pumped (gallons)	End Date and Time	End Volume Pumped (gallons)	Daily Volume Pumped (gallons)	Daily Volume Pumped (acre-feet)	Daily Average Pumping Rate (gpm)
Step Rate	01/22/2024 08:00	0	01/22/2024 14:30	83573	83,573	0.256	139
				STEP TEST TOTAL	83,573	0.256	

Well WW-21-03 Volume Pumped Tracking

Permit Number:	*TNEV2023123*	
total volume pumped =	*10,103,390*	*gallons*
total volume pumped (acre-feet) =	*31.006*	*acre-feet*
days of pumping period =	*28.00*	
average daily volume pumped =	*360,835*	*gallons per day*
average daily volume pumped =	*1.107*	*acre-feet per da*

Identifier	Start Date and Time	Start Volume Pumped (gallons)	End Date and Time	End Volume Pumped (gallons)	Daily Volume Pumped (gallons)	Daily Volume Pumped (acre-feet)	Daily Average Pumping Rate (gpm)
Constant Rate	01/23/2024 14:00	83573	01/24/2024 00:00	153254	69,681	0.214	116
Constant Rate	01/24/2024 00:00	153254	01/25/2024 00:00	526100	372,846	1.144	259
Constant Rate	01/25/2024 00:00	526100	01/26/2024 00:00	899694	373,594	1.147	259
Constant Rate	01/26/2024 00:00	899694	01/27/2024 00:00	1272376	372,682	1.144	259
Constant Rate	01/27/2024 00:00	1272376	01/28/2024 00:00	1644649	372,273	1.142	259
Constant Rate	01/28/2024 00:00	1644649	01/29/2024 00:00	2017944	373,295	1.146	259
Constant Rate	01/29/2024 00:00	2017944	01/30/2024 00:00	2382744	364,800	1.120	253
Constant Rate	01/30/2024 00:00	2382744	01/31/2024 00:00	2743530	360,786	1.107	251
Constant Rate	01/31/2024 00:00	2743530	02/01/2024 00:00	3103412	359,882	1.104	250
Constant Rate	02/01/2024 00:00	3103412	02/02/2024 00:00	3462922	359,510	1.103	250
Constant Rate	02/02/2024 00:00	3462922	02/03/2024 00:00	3824864	361,942	1.111	251
Constant Rate	02/03/2024 00:00	3824864	02/04/2024 00:00	4190241	365,377	1.121	254
Constant Rate	02/04/2024 00:00	4190241	02/05/2024 00:00	4553501	363,260	1.115	252
Constant Rate	02/05/2024 00:00	4553501	02/06/2024 00:00	4914671	361,170	1.108	251
Constant Rate	02/06/2024 00:00	4914671	02/07/2024 00:00	5274550	359,879	1.104	250
Constant Rate	02/07/2024 00:00	5274550	02/08/2024 00:00	5636486	361,936	1.111	251
Constant Rate	02/08/2024 00:00	5636486	02/09/2024 00:00	5999001	362,515	1.113	252
Constant Rate	02/09/2024 00:00	5999001	02/10/2024 00:00	6360695	361,694	1.110	251
Constant Rate	02/10/2024 00:00	6360695	02/11/2024 00:00	6723348	362,653	1.113	252
Constant Rate	02/11/2024 00:00	6723348	02/12/2024 00:00	7084850	361,502	1.109	251
Constant Rate	02/12/2024 00:00	7084850	02/13/2024 00:00	7445533	360,683	1.107	250
Constant Rate	02/13/2024 00:00	7445533	02/14/2024 00:00	7805400	359,867	1.104	250
Constant Rate	02/14/2024 00:00	7805400	02/15/2024 00:00	8165729	360,329	1.106	250
Constant Rate	02/15/2024 00:00	8165729	02/16/2024 00:00	8525202	359,473	1.103	250
Constant Rate	02/16/2024 00:00	8525202	02/17/2024 00:00	8886970	361,768	1.110	251
Constant Rate	02/17/2024 00:00	8886970	02/18/2024 00:00	9251891	364,921	1.120	253
Constant Rate	02/18/2024 00:00	9251891	02/19/2024 00:00	9616163	364,272	1.118	253
Constant Rate	02/19/2024 00:00	9616163	02/20/2024 00:00	9974845	358,682	1.101	249
Constant Rate	02/20/2024 00:00	9974845	02/20/2024 14:00	10186963	212,118	0.651	253
				TEST TOTAL	10,103,390	31.01	

Figure 8: WW-21-03 Water Levels

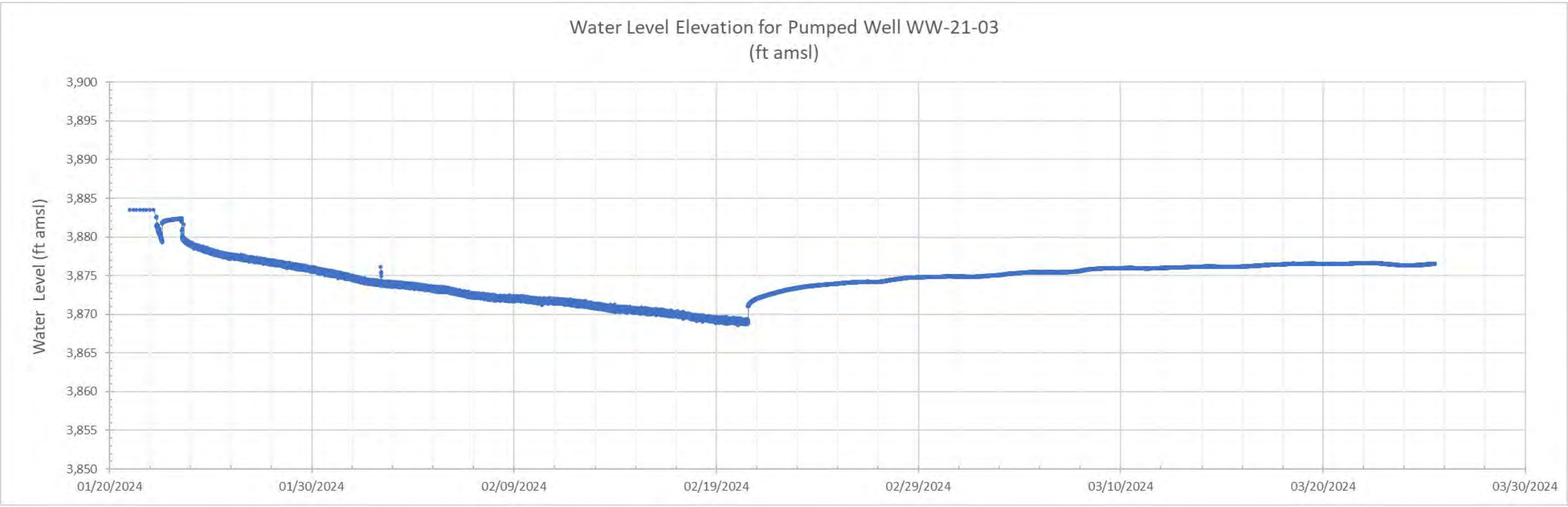


Figure 9: WW-21-03 Flows

Surface flow from test #2 in existing dry wash (looking west)

Surface flow from test #2 combined with stormwater runoff in early February (looking west)

TEST #2 (WW-21-03 - 91255T): SURFACE FLOW

- 31.26 acre-feet pumped.
- Flow path is to the east along an existing wash/storm water drainage.
- Daily inspection of discharge flow path to document downgradient extent and sediment control.
- Extensive flows in drainage from storm water runoff in early February. (see context for Hurricane Hilary)
- Surface flow stopped approximately 7000 feet east-northeast of the well.
- Decreasing flow rates along flow path suggested infiltration. >80% discharge of the water is estimated to have been infiltrated.
- Infiltration to surface alluvium and gravels along flow path becomes recharge to shallow 'basin fill aquifer' of Oasis Valley

- Hurricane Hilary perspective (8/19/23 to 8/21/23) and early February (2/1/24 - 2/9/24)
  - 3.71" and 3.5" of rain in the Bullfrog Hills uplands.
  - ~1400-acre watershed (including Test #2 flow path) ending near US95 RoW.
  - ~445 & 408 acre-feet of water <u>added</u> to the watershed from these events. The rainfall goes to runoff to Amargosa River valley, evapotranspiration, evaporation, and infiltration.

Figure 10: Project Layout with Monitor Wells and VWPS

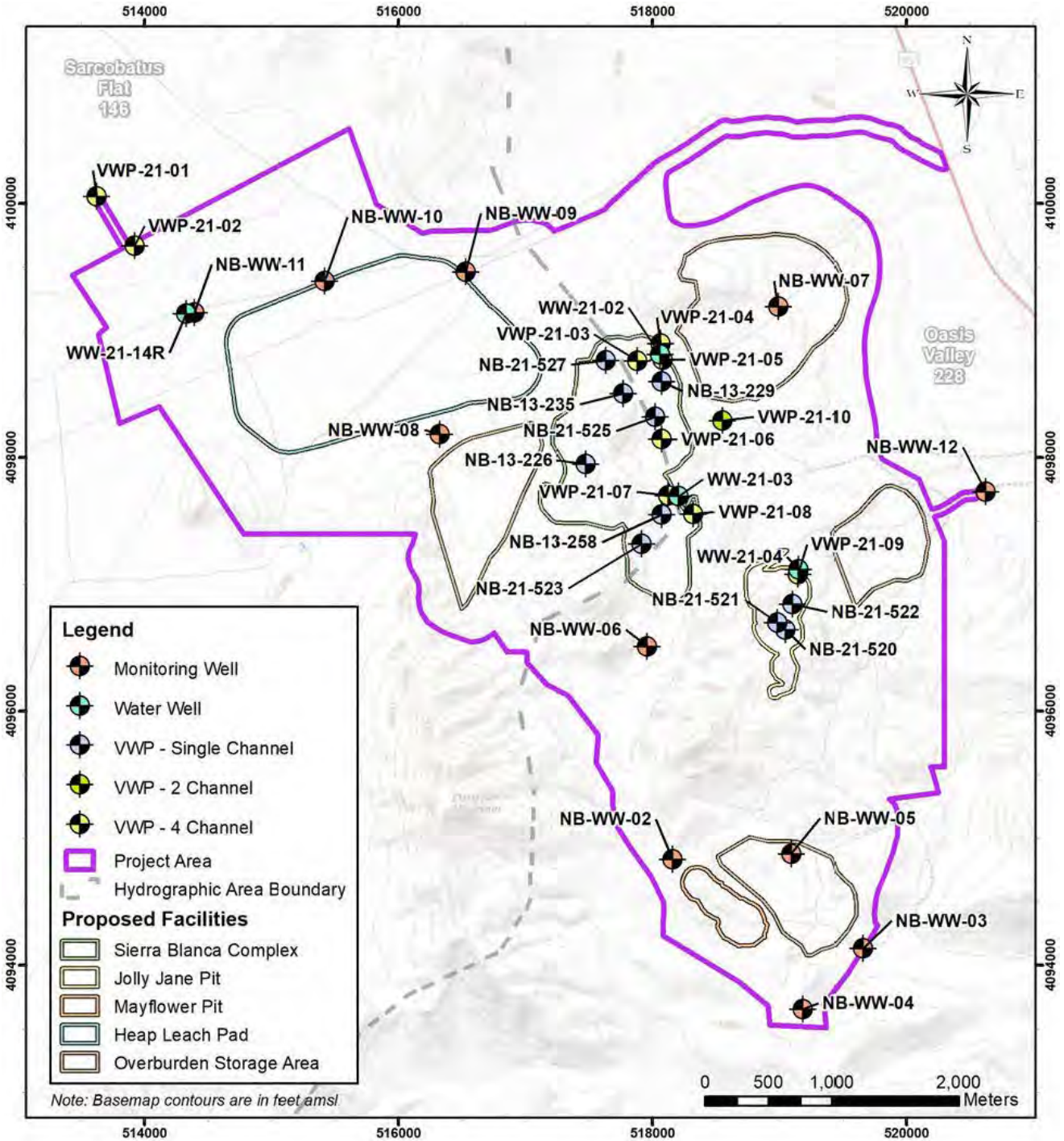


Figure 11: Beatty Summit Well

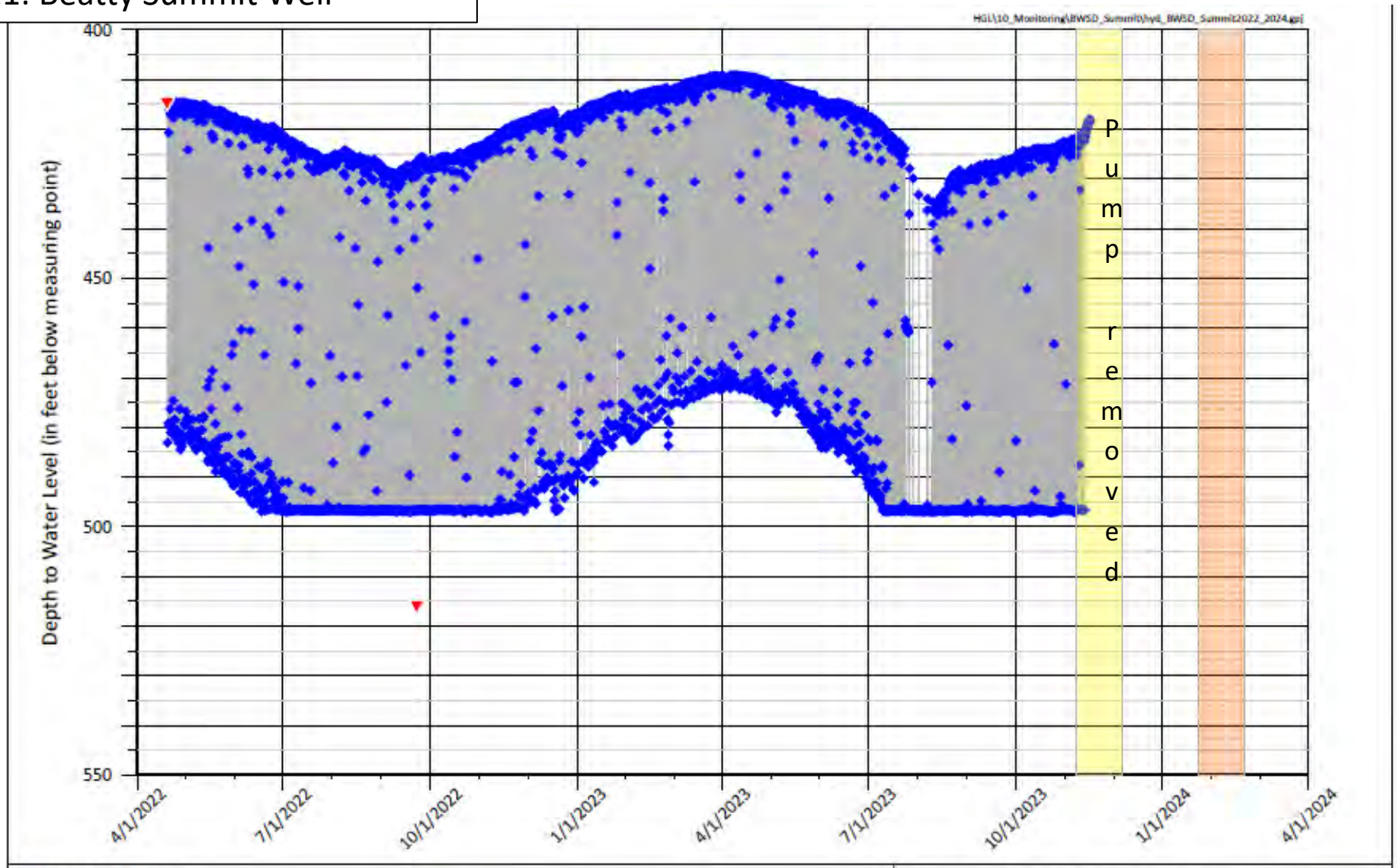
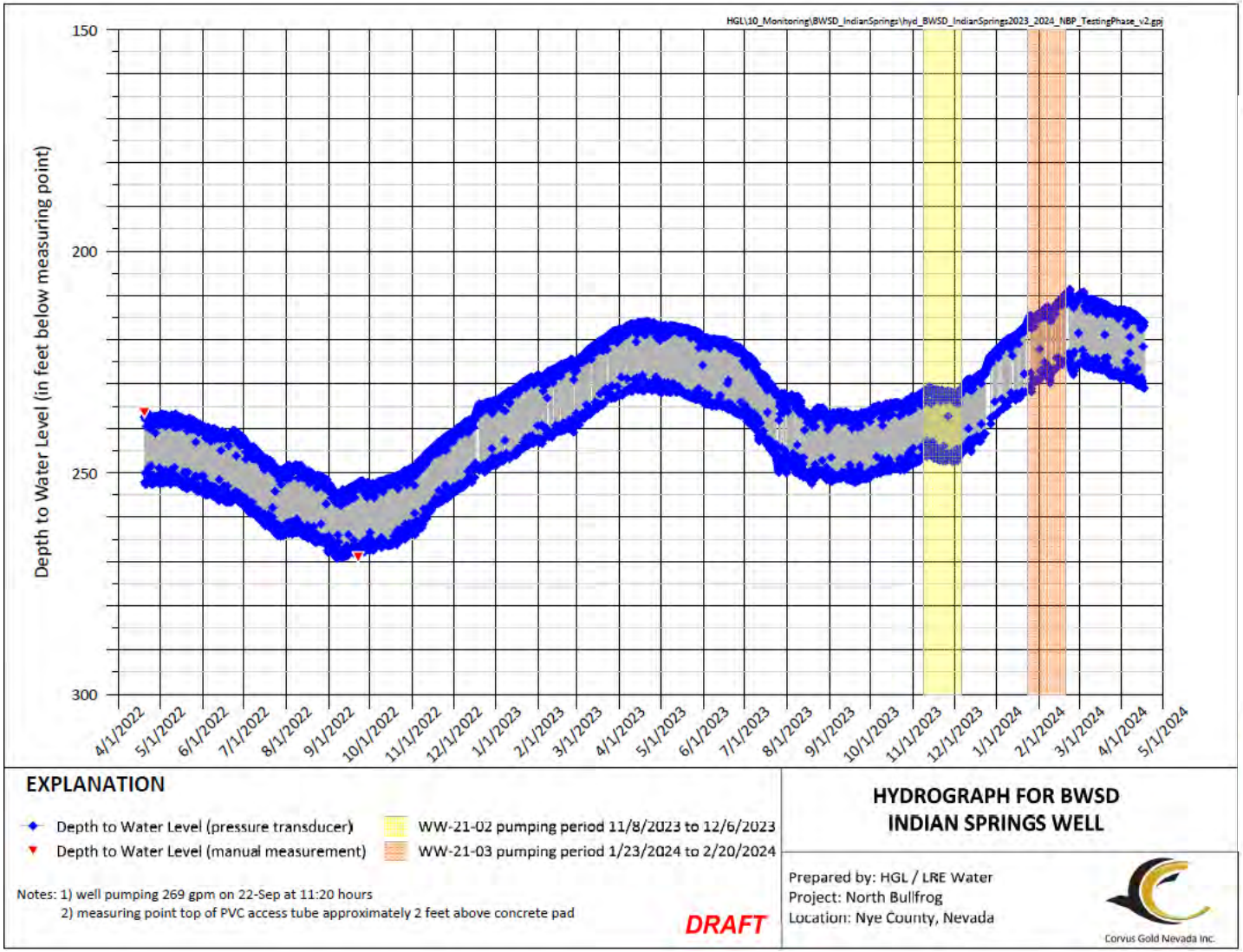


Figure 12: Upper Indian Spring Well



Upper Indian Spring Well: Expanded

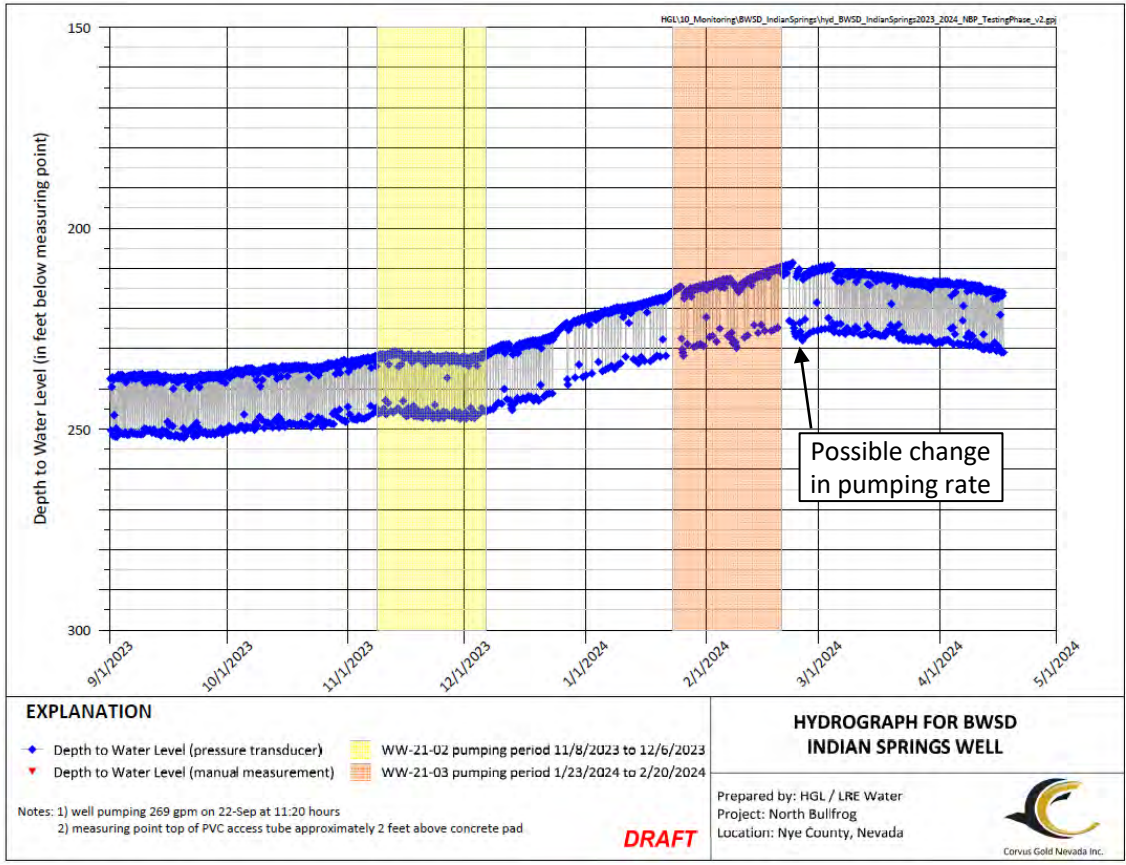


Figure 13: ER-OV-05 2023-2024

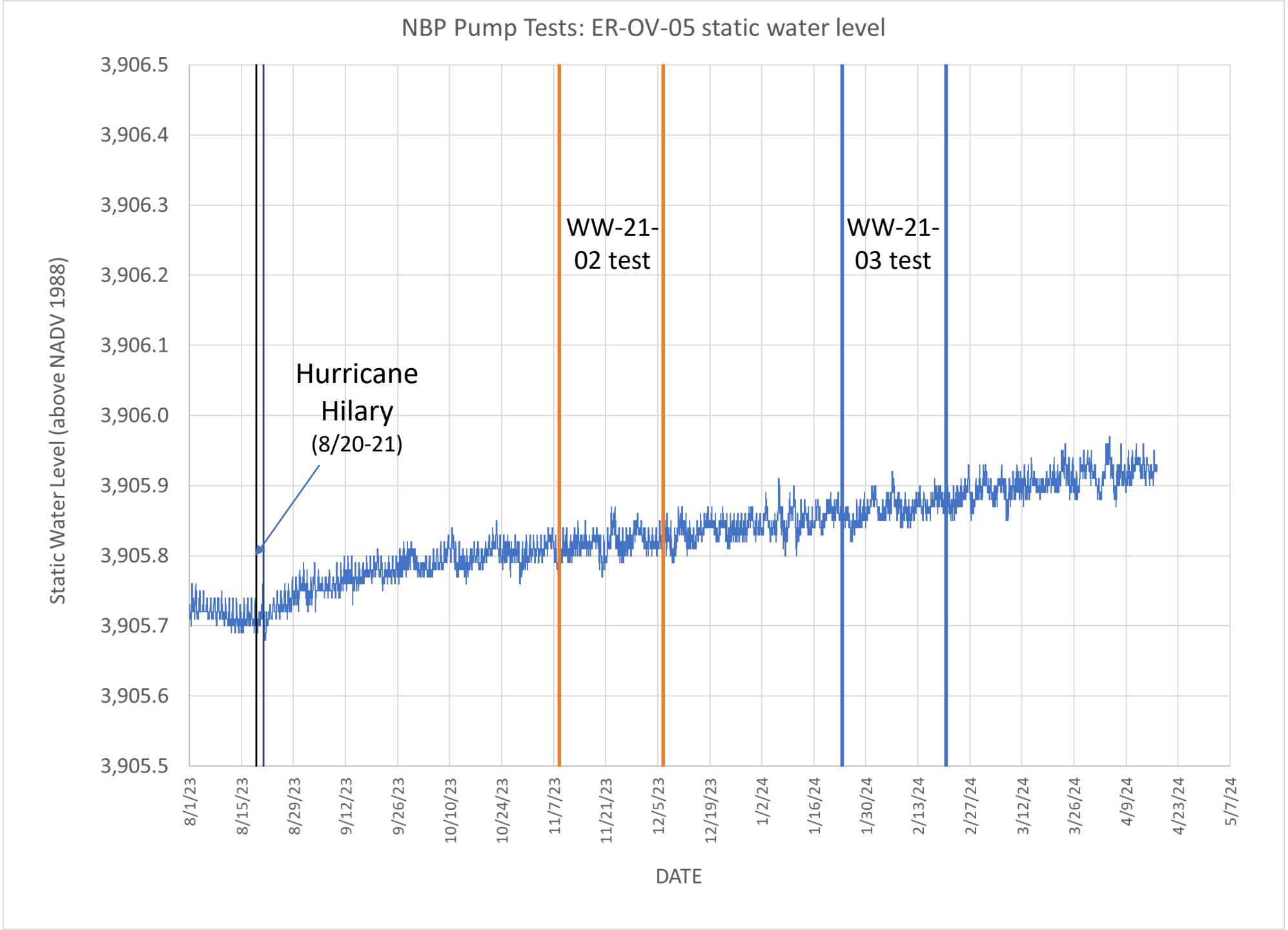
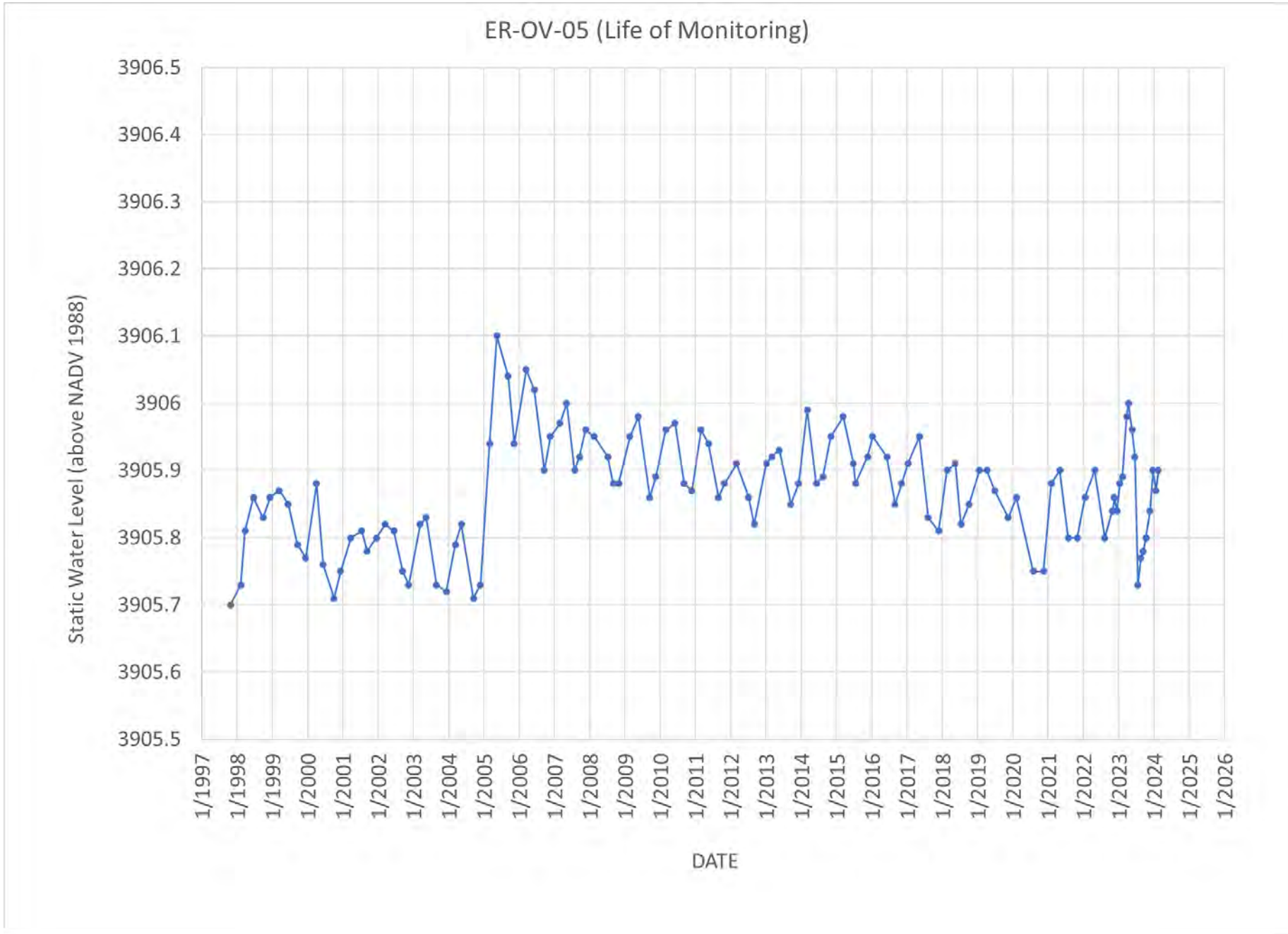


Figure 14: ER-OV-05
Life of Monitoring Program



Corvus Gold Nevada Inc.

ATTACHMENT A

Monitoring Plan submitted to NDWR

TECHNICAL MEMORANDUM

To:	Michael Young
Company:	Corvus Gold Nevada, Inc.
Project:	North Bullfrog
From:	Daniel Weber and Brent Johnson
Date:	September 2023
Subject:	**Monitoring Plan for Pumping Tests**

1 Introduction

Corvus Gold Nevada, Inc. (Corvus) is planning the North Bullfrog Project (NBP or the Project), a proposed, open-pit gold mine operation in southwestern Nevada. Corvus conducted a hydrogeologic field program in 2021, supervised in part by Hydrogeologica, Inc. (HGL). The field program was designed to provide site-specific hydrogeologic characterization information in support of feasibility-level planning for the Project, including water supply, pit dewatering, pit slope design and closure studies. Hydrogeological characterization also includes baseline data collection to support the life-cycle planning of the mine, from development through post-closure. Results of hydrogeologic characterization studies will be evaluated as part of the permitting process, including Nevada Division of Environmental Protection (NDEP) guidelines and the National Environmental Policy Act (NEPA) process to identify potential impacts of the Project and to mitigate or prevent impacts through further planning and engineering.

To further support hydrogeologic characterization studies, HGL proposes to conduct 28-day pumping tests to assess hydrogeologic conditions between the area of planned mining operations and surrounding NBP region. This document provides the Monitoring Plan for the testing operations and includes: background information on the Project, a statement for purpose and need for the pumping tests, descriptions and basis for monitoring locations, methods for data collection and synthesis, field data quality control, field parameter collection, sample collection, and data management and validation. The Monitoring Plan is designed to assure impacts to adjacent water users are identified and mitigated and provide consistent sample collection resulting in data that meets or exceeds quality control protocols for baseline hydrogeologic characterization.

2 Project Background

The NBP, as defined by the mine Plan of Operations or Plan Boundary is located in the northern extension of the Bullfrog Hills in the Basin and Range province of southwestern Nevada **(Figure 2-1)**. The Bullfrog Hills are a low mountain range located between the Amargosa Basin to the south, the Sarcobatus Flats Basin to the north, the Grapevine and Funeral mountains to the west, and the Oasis Valley to the east. Local topographic relief is less than 1,000 feet. Beatty is the closest town to the NBP and is located on Highway 95 approximately 9 miles to the south. The Death Valley National Park boundary is located approximately 3 miles to the southwest. The Nevada National Security Site (Nevada Test Site) is approximately 19 miles to the east.

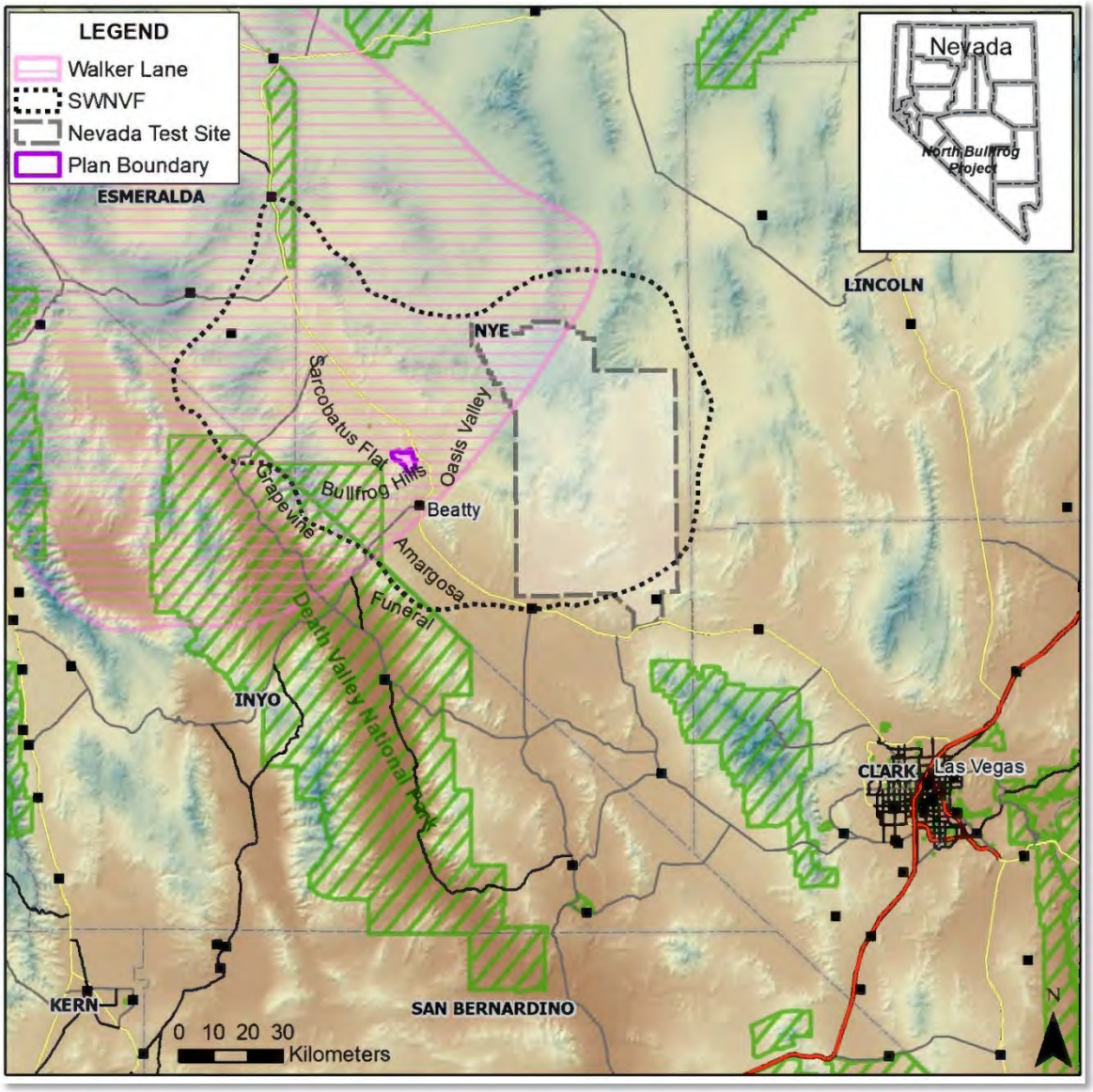


Figure 2-1. NBP site location.

The NBP gold deposits contain mineralization at or near the surface that is suitable for open pit mining methods (Wilson et al., 2020). Mining will be conducted using drill and blast techniques. Waste rock management facilities (WRMF) would be located near each producing open-pit excavation (YellowJacket, Sierra Blanca, and Savage Valley - combined, identified as the Sierra Blanca Complex), Jolly Jane, and Mayflower. Mill mineralization type ore would be hauled to a mill stockpile while run-of-mine (ROM) mineralization type ore would be hauled and placed directly on the heap leach pad (HLP). Mill tails would be hauled and placed directly on the heap leach pad by plug dumping and then mixed into the ROM ore by dozing. Process facilities would be located in the northwest corner of the NBP at the edge of Sarcobatus Flat, a large sedimentary basin with predominantly flat terrain. Process facilities would consist of the mill, heap leach pad, access roads, ponds, adsorption, desorption and recovery (ADR) plant, mobile equipment yard, offices and warehouse. **Figure 2-2** presents the general site layout, including Plan of Operations (Plan) boundary, pits, waste dumps, mill site, ponds, heap leach pad (Corvus 2020a) and the proposed monitoring locations for the pumping tests.

The majority of the mining production will be conducted above the water table. At YellowJacket, mining below approximately 3,940 feet (ft) above mean sea level (amsl) (1,200 meters (m) amsl) is expected to advance below the natural water table, therefore requiring dewatering of the pit-area, fractured rock groundwater system during mining. At closure, a lake is expected to form in the YellowJacket Pit, and areas of the greater Sierra Blanca Complex (Sierra Blanca and Savage Valley) may contribute runoff water to the YellowJacket pit lake and/or develop into the larger pit lake. Based on current hydrogeological evaluation, the open pit at Jolly Jane may also advance below the natural water table of the aquifer, resulting in a pit lake during the post-closure period. Mining at Mayflower will be above the water table; therefore, a pit lake is not expected to form in that pit location.

Dewatering of proposed open-pit areas will provide stable and dry conditions for mining, but as a consequence, the lowering of the local water table may affect downgradient surface water and groundwater resources. Predicting potential impacts will include some inherent uncertainty because the hydrogeology of the volcanic units surrounding the proposed mine facilities is complex due to the structural and stratigraphic heterogeneity of the units. Corvus plans to conduct 28-day pumping tests in the vicinity of the Sierra Blanca pit to provide dewatering system/ well design data for the proposed mine operation.

To date, short-term airlift tests conducted in the Project exploration boreholes (Corvus, 2020b) indicate that some boreholes were completely dry while others yielded as much as 100 gallons per minute (gpm). During recent 2021 field hydrogeologic characterization studies, pumping tests confirmed the wide-range of groundwater yield for Project area; low-yield wells and large amounts of water level drawdown (low permeability) to high-yield wells and small amounts of drawdown (high permeability). Specific capacity[1] values ranged from approximately 0.7 to 40 gpm/ft for the wells tested for periods ranging from 5 to 7 days.

[1] *a unit of measurement of well yield per unit depth of drawdown after a specific time duration of pumping*

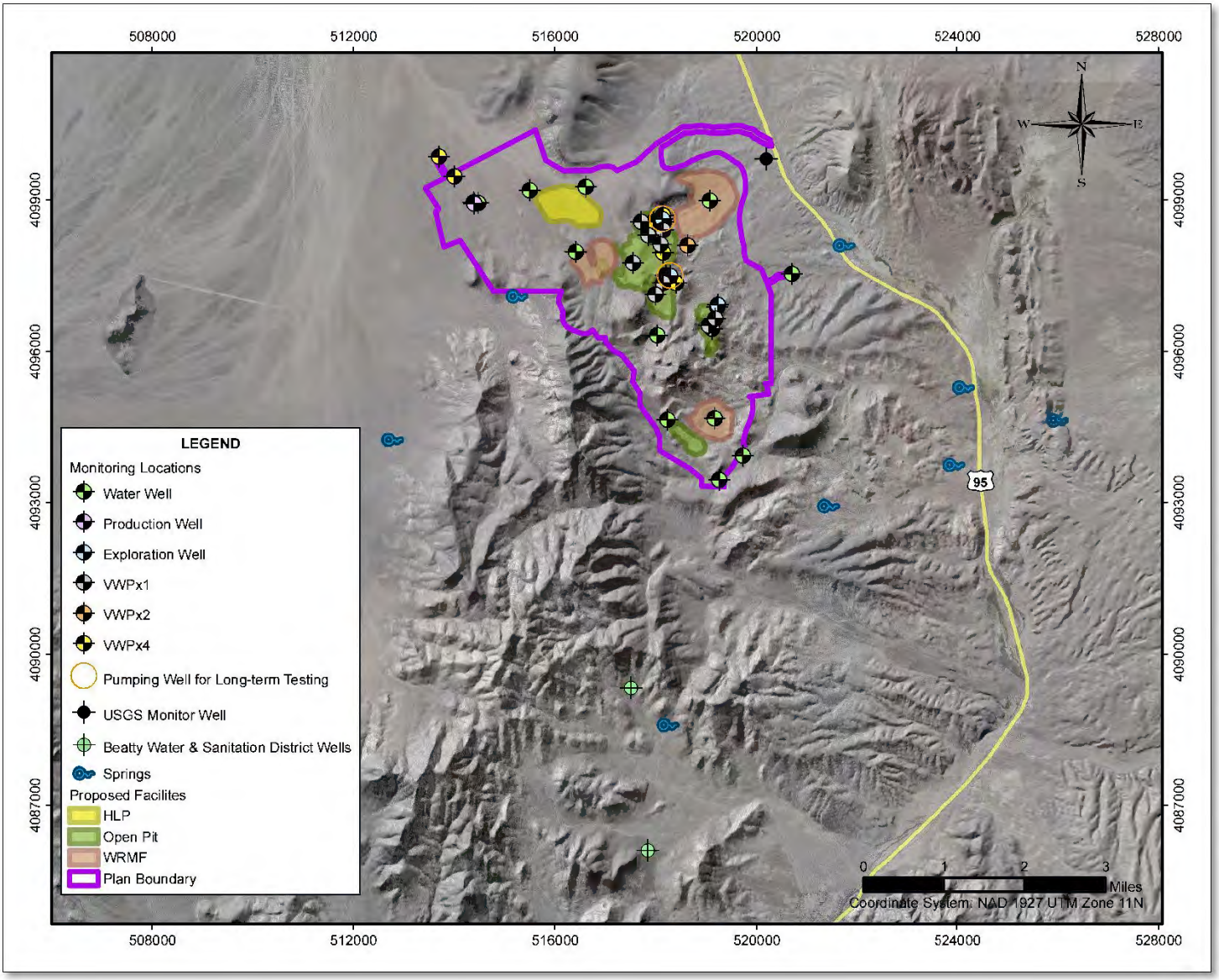


Figure 2-1. Proposed project facilities and monitoring locations for pumping tests.

3 Pumping Test Approach

3.1. Purpose and Need Statement

The purpose and need for 28-day pumping tests are to:

- further inform conceptual site-specific, local-scale interpretations made during shorter duration pumping tests conducted earlier in 2021 for the purpose of developing a dewatering system/ well design for mine operations;
- evaluate responses at more distant monitoring locations to validate the regional-scale, conceptual site model of water resources;
- aid in calibrating a mathematical groundwater flow model for projecting the potential impacts of the proposed mining operation.

Pumping tests conducted over long periods of time provide estimates of aquifer parameters averaged over large-scale aquifer volumes. In conducting 28-day pumping tests for mining hydrogeology purposes, key goals are to identify aquifer heterogeneities and boundaries, often times controlled by fractured rock aquifer properties, which ultimately control the effects of declining water levels. Predicting, monitoring, and mitigating potential impacts are important for informing neighboring surface water and groundwater resource users, as well as for protecting dependent natural ecosystems.

3.2. Definitions

A pumping test is a type of an aquifer test that is a field experiment whereby a well is pumped at a controlled rate and water-level response (drawdown) is measured at the pumped well and if available, one or more surrounding observation wells. The response data, during pumping (drawdown phase) and after pumping (recovery phase) are used to characterize the hydraulic mechanics of the aquifer, evaluate well performance, and identify potential subsurface hydraulic boundaries and structural compartmentalization affecting the movement of groundwater. Constant-rate tests maintain pumping at the control well at a constant rate. This is the most commonly used pumping test method for obtaining estimates of aquifer properties (HydroSOLVE, 2012).

Ultimately, the goal of a pumping test is to estimate hydraulic properties of an aquifer system (Kruseman and de Ridder, 1994). These properties include: transmissivity, hydraulic conductivity (horizontal and vertical) and storativity (storage coefficient). In layered systems, results of pumping tests often provide hydraulic properties of aquitards (vertical hydraulic conductivity and specific storage). Aquitards are hydrostratigraphic units that either confine or semi-confine the hydraulic head in an aquifer. Pumping tests can also aid in characterizing groundwater recharge and no-flow boundaries that may limit the lateral extent of aquifers, as well as identify the behaviour of groundwater flow regimes such as infinite active radial flow, dual porosity flow, and linear and bilinear flow.

3.3. Elements

Proper planning for field data collection and the analytical aspects of a pumping test includes; identifying monitoring locations and methods, acquiring and preparing field equipment, developing methods for measurement of water levels and control of pumping rates, developing data collection schedules (including pre-test and recovery periods) for water levels, identifying other pumping in the area of testing that may influence groundwater levels, monitoring of climate and atmospheric conditions, routing and infiltration of pumped water (discharge) down topographic gradient from the pumping well, defining duration of testing, and practicing safe operating procedures for personnel and environmental protection. Some of these critical elements are expanded on as follows:

- **Define monitoring locations.** Depending on site conditions and accessibility, the monitoring locations may include wells critical for defining hydraulic parameters, as well as any nearby pumping wells that may be operating during the phases of the pumping test. Additionally, if the pumped aquifer includes surface/groundwater interaction, any nearby surface water sources such as streams, springs, and seeps should be part of the monitoring plan.
- **Determine the routing and control of discharged water.** During the pumping test, it is imperative to minimize turbidity or erosion leading to turbidity or down-gradient flooding. Accordingly, if it is anticipated that discharged water will create flooding, erosion and/or turbidity, water will be managed in such a manner to minimize such problems. To minimize the potential for discharged pumped water to recharge pumped aquifer, spreading of the discharge water on the ground sufficiently far from the pumping test site so that infiltration will not affect the test results may be required. Ultimately, the discharge water must be handled according to all applicable laws and regulations.
- **Establish pre-test conditions at monitoring locations.** Prior to initiation of the pumping test, pre-test conditions will be established for a period generally equal to the planned duration of the pumping phase of the test, to the extent practicable.
- **Define the data collection schedule.** A data collection schedule should be established at each of the monitoring locations. The schedule will include requirements for the pumping test including pre-test, drawdown, and recovery phases.
- **Health, Safety, and Environment.** The field activities associated with specific-capacity testing will be performed in accordance with a site-specific health and safety plan (HASP), a copy of which will be present on-site during such activities for field personnel. Each shift, a Job Safety Analysis (JSA) will also be performed to ensure that field personnel aware of the hazards associated with the work, and that responsibilities are defined and acknowledged. As part planning, determine if permitting is required for testing, for example with respect to water rights and temporary discharge, and if required, follow the necessary permit requirements.

4 Monitoring Locations

4.1. Surface Water

The NBP area straddles the divide between the Oasis Valley (Basin 228) and Sarcobatus Flat (Basin 146) hydrographic basins. The basins are referred to as Hydrographic Areas (HAs) designated by the Nevada

Division of Water Resources (NDWR). **Figure 4-1** shows the North Bullfrog Project Boundary with respect to the Sarcobatus Flat Basin and Oasis Valley Basin, and shows the locations of current surface water monitoring stations monitored in the area of NBP by Corvus.

Flowing surface water in the project area is limited to periodic major rainfall events and the Amargosa River channel in Oasis Valley, which borders the NBP along the eastern edge of the NBP Property. Therefore, surface water sampling has focused on springs distributed around the project, and along Oasis Valley **(Figure 4-1)**.

The selection of the surface water quality sampling locations by Corvus has been based on the following general criteria:

- The locations should surround the NBP Project Boundary to the extent possible given the available spring locations, physical access, and consent of land owners.
- The surface sampling sites should be representative of the range of conditions of the existing springs, which vary from features with consistent outflow to static seeps and shallow pools.
- Watersheds that could reasonably be affected by future mining operations should be included in the baseline monitoring.
- The sites should be located, to the extent possible, to ensure monitoring during baseline, construction, operation, and closure.

Springs in the areas surrounding the North Bullfrog Project area have been monitored by Corvus since 2012. As of 2021, spring locations monitored given the criteria described above are provided in **Table 4-1**. Photographs and descriptions of the spring sample sites are provided in Montgomery & Associates (2021), Spring and Seep Survey, and included in **Appendix A**.

Table 4-1. North Bullfrog Project Spring Monitoring Locations*

Spring Identifier	Latitude	Longitude	Elevation (m amsl)	Flow Rate (gpm)	Date Measured	2021 Spring and Seep Location Identifier
Brian	36.9841	-116.75911	1,208.9	0.8	05/22/2021	13**, 25
Burro	36.99137	-116.73094	1,116.9	N/A	05/23/2021	42, 59**
Lower Indian	36.94504	-116.79498	1236.7	N/A	05/21/2021	11**, 44
Mud	36.99603	-116.85628	1292.7	0.4	05/25/2021	23, 28**
North Goss	36.99932	-116.70773	1170.6	4.5 / 68.8	05/23/2021	9**, 29, 52**
North Mud	37.02161	-116.82844	1,305.8	0.9	05/25/2021	22**, 37, 38
Springdale	37.03062	-116.75553	1,171.4	N/A	05/22/2021	16**, 40, 83**
Wehrly	37.00515	-116.72866	1,122.6	2.4	05/22/2021	18**, 41, 60

* Montgomery & Associates (2021)

** location identifier for field water quality parameters measured and samples obtained for laboratory analysis NDEP Profile I parameters

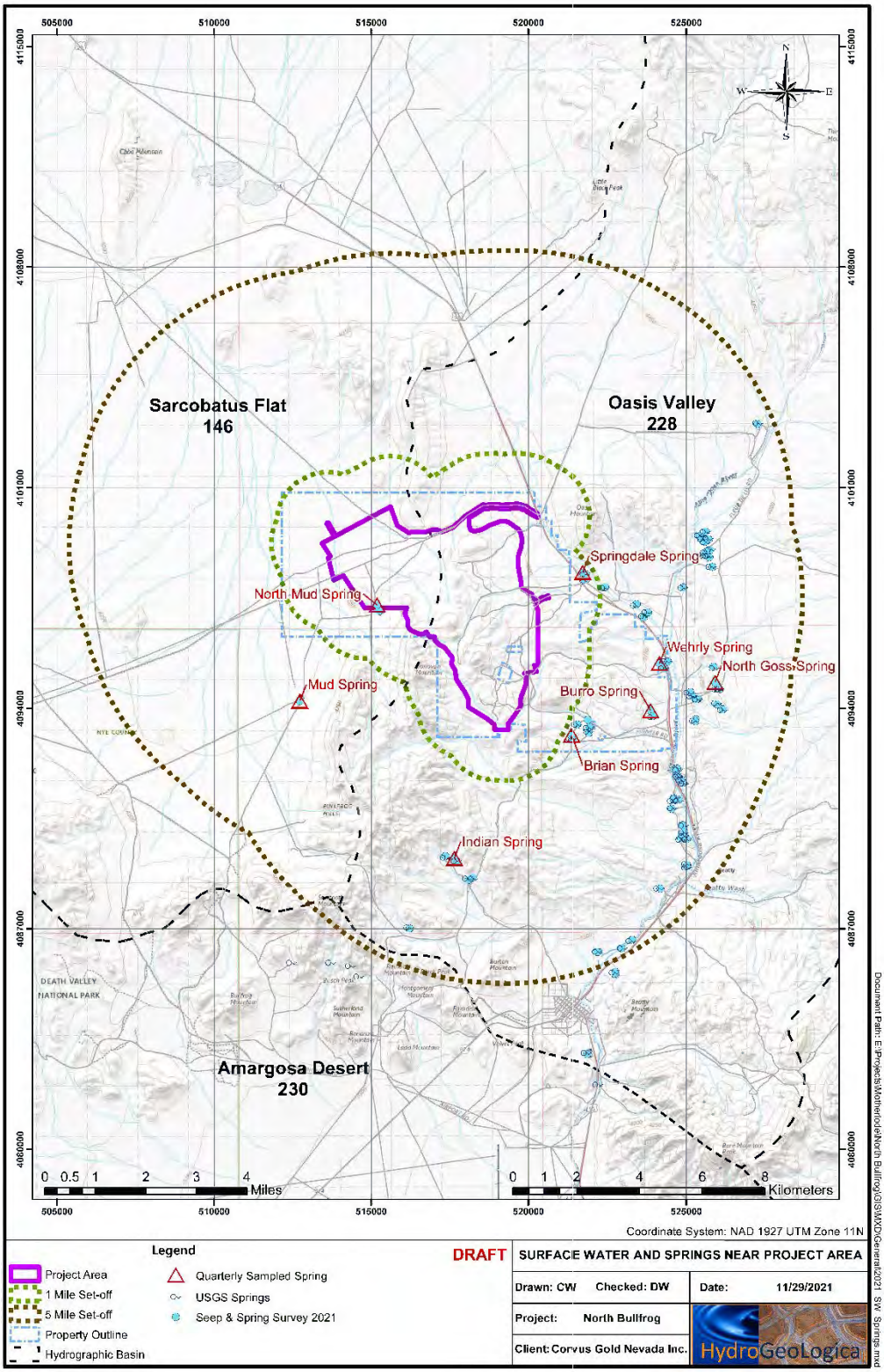


Figure 4-1. Surface water conditions and spring monitoring locations.

4.2. Groundwater

Wells serving as monitor wells, exploration wells, and production wells have been completed throughout NBP area to allow for measurement of potentiometric head, representative water table conditions and gradient, and sampling of groundwater. Locations are based on consideration of the directions of regional groundwater flow and proposed mining, processing and waste rock facilities.

The locations of the monitoring wells have been chosen to satisfy the following general criteria:

- The monitoring well locations should reflect existing upgradient, downgradient, or cross-gradient conditions based on the conceptual project lay-out and extent, and the understanding of regional ground water flow.
- Where possible the monitoring wells should be located for use in future hydrologic characterization testing for project water resource production and pit dewatering/pit lake predictions.
- The monitoring well sites should be located, to the extent possible, to ensure monitoring during baseline, construction, operation, and closure.

It is likely that groundwater primarily flows in structurally bounded, discrete fracture zones and stratigraphic units of the volcanic rock complex in the NBP resource areas. Vibrating wire piezometers (VWPs) are a cost-effective method for collecting hydraulic pressure head information from discrete hydrogeologic intervals in a groundwater flow system. These instruments can be installed during the mine exploration program in boreholes at depths that target the discrete intervals. Using a datalogger or vibrating-wire field reader connected to the wire leads of piezometers, the pressure data provides potentiometric surface and hydraulic gradients of the monitored intervals due to natural, baseline conditions and pumping or airlifting in nearby boreholes.

Single-level VWPs and multi-level VWPs have been installed extensively throughout the NBP area. Locations were selected to collect spatially-representative groundwater level data and conduct multiple pumping tests to support the Hydrogeology Baseline evaluation. The VWPs have been installed in boreholes using the 'grout-in-place' method (Mikkelsen and Green, 2003) and conforms to State regulations (NDWR, 2012).

The locations for groundwater monitoring within and outside of the NBP plan boundary scheduled for monitoring during the 28-day tests, as well as the two wells identified as pumping wells for 28-day testing, exploration wells WW-21-02 and WW-21-03, are shown on **Figure 2-2.** Well locations and general details for wells within the NBP plan boundary are provided in **Table 4-2**. Wells outside the plan boundary proposed for monitoring are listed in **Table 4-3**. VWP locations and completion information is provided in **Table 4-4**. Completion details and diagrams for the wells and VWPs are presented in **Appendix B**.

Table 4-2. North Bullfrog Project Well Locations

Well Identifier	Site Type	Prospect	NAD27 Easting UTM (m)	NAD27 Northing UTM (m)	Land Surface Elevation (ft amsl)	Total Depth (ft)	Measurement Date	Depth to Water (ft bls)	Comments
NB-WW-02	MW	Mf	518240.02	4094636.31	4447.93	304.80	29-Apr-2014	560.15	CGNI 2014
NB-WW-03	MW	Mf	519741.41	4093938.13	4178.59	310.90	29-Mar-2021	392.89	M&A Q1
NB-WW-04	MW	Mf	519265.54	4093455.90	4236.53	182.88	28-Mar-2021	300.56	M&A Q1
NB-WW-05	MW	Mf	519173.89	4094679.51	4169.19	182.88	28-Mar-2021	283.25	M&A Q1
NB-WW-06	MW	SB	518039.88	4096313.94	4338.61	182.88	28-Mar-2021	452.01	M&A Q1
NB-WW-07	MW	SB	519071.00	4098989.27	4054.46	73.15	28-Mar-2021	148.98	M&A Q1
NB-WW-08	MW	SB	516406.51	4097983.81	4261.07	135.64	28-Mar-2021	285.17	M&A Q1
NB-WW-09	MW	S	516611.90	4099265.29	4161.73	91.44	28-Mar-2021	222.13	M&A Q1
NB-WW-10	MW	S	515499.28	4099192.58	4125.06	79.24	28-Mar-2021	192.47	M&A Q1
NB-WW-11	MW	S	514471.62	4098944.84	4113.13	73.15	11-Jun-2021	165.78	PPT WL
NB-WW-12	MW	SB	520707.57	4097530.50	3952.84	54.86	28-Mar-2021	85.77	M&A Q1
NB-WW-14	MW	S	514389.93	4098947.11	4112.45	152.40	11-Jun-2021	163.45	PPT WL
WW-21-02	EXW	YJ	518140.70	4098615.56	4158.92	480.00	21-May-2021	275.85	PPT WL
WW-21-03	EXW	SV	518287.72	4097497.35	4222.33	520.00	31-May-2021	338.90	PPT WL
WW-21-04	EXW	JJ	519231.17	4096920.47	4159.14	380.00	20-Oct-2021	275.85	PPT WL
WW-21-14R	PW	S	514407.03	4098933.36	4112.96	770.00	11-Jun-2021	166.40	PPT WL

[**Notes:** MW, monitor well; EXW, exploration well; PW, production well; Mf, Mayflower; SB, Sierra Blanca; S, Sarcobatus; YJ, Yellow Jacket; SV, Savage Valley; JJ, Jolly Jane; m, meters; ft amsl, feet above mean sea level; ft bls, feet below land surface; CGNI 2014, Corvus Gold Nevada Inc. monitoring database; M&A Q1, Montgomery & Associates quarterly measurements database; PPT WL, pre-pumping test water level. Table summarizes information from 2021 Corvus survey database. Horizontal coordinate information is referenced to the North American Datum of 1927 (NAD 27)]

Table 4-3. Off-Property Well Locations

NDWR Well Identifier	Alternate Well Identifier	Site Type	Latitude	Longitude	Land Surface Elevation (ft amsl)	Total Depth (ft)	Hydraulic Head Measurement Date	Hydraulic Head Depth (ft bls)	Comments
69873	370246116461901 ER-OV-05	MW	37.04605	-116.7728	3935	200	02-Aug-1997	35.50	NDWR; Jackson et al., 2021
115834	BWSD Upper Indian	PW	36.95148	-116.8043	4178.59	1205	25-Apr-2012	146	NDWR
31029	BWSD Summit	PW	36.92412	-116.7997	4236.53	700	15-Jan-1989	130	NDWR

[**Notes:** MW, monitor well; PW, production well; ft amsl, feet above mean sea level. Table summarizes information from NDWR databases http://images.water.nv.gov/images/well_logs/115000/115834.pdf; http://images.water.nv.gov/images/well_logs/31000/31029.pdf; http://images.water.nv.gov/images/well_logs/69000/69873.pdf

Table 4-4. North Bullfrog Project VWP Locations

Identifier	Site Type	Prospect	NAD27 Easting UTM (m)	NAD27 Northing UTM (m)	Land Surface Elevation (ft amsl)	Azimuth	Dip	Total Depth of VWP Borehole (ft bls)
VWP-21-01	VWPx4	Sarcobatus	513702.03	4099859.83	4083.08	360	-90	825
VWP-21-02	VWPx4	Sarcobatus	514001.13	4099469.30	4093.57	360	-90	825
VWP-21-03	VWPx4	Sierra Blanca	517962.24	4098563.52	4185.72	360	-90	820
VWP-21-04	VWPx4	Sierra Blanca	518145.19	4098701.83	4176.53	360	-90	820
VWP-21-05	VWPx4	Yellow Jacket	518163.04	4098571.89	4169.36	360	-90	1060
VWP-21-06	VWPx4	Sierra Blanca	518154.91	4097949.17	4246.87	360	-90	820
VWP-21-07	VWPx4	Savage Valley	518203.12	4097502.75	4266.88	360	-90	820
VWP-21-08	VWPx4	Savage Valley	518401.02	4097356.35	4191.89	360	-90	820
VWP-21-09	VWPx4	Jolly Jane	519227.98	4096880.53	4164.43	360	-90	760
VWP-21-10	VWPx2	Yellow Jacket	518630	4098096	4155	360	-90	580
NB-13-226	VWPx1	Sierra Blanca	517552.86	4097751.58	4311.18	360	-90	600
NB-13-229	VWPx1	Yellow Jacket	518153.48	4098399.01	4213.01	360	-90	750
NB-13-235	VWPx1	Sierra Blanca	517850.33	4098306.49	4321.67	360	-90	600
NB-13-258	VWPx1	Sierra Blanca	518152.71	4097351.35	4307.32	360	-90	700
NB-21-520	VWPx1	Jolly Jane	519128.04	4096446.51	1296.99	126	-60	502
NB-21-521	VWPx1	Jolly Jane	519063.62	4096502.97	1291.00	270	-60	528
NB-21-522	VWPx1	Jolly Jane	519185.77	4096649.33	1279.61	117	-70	443
NB-21-523	VWPx1	Savage Valley	517994.81	4097123.82	1312.89	266	-70	656
NB-21-525	VWPx1	Sierra Blanca	518102.44	4098124.21	1302.34	83	-70	853
NB-21-527	VWPx1	Sierra Blanca	517714.24	4098566.50	1305.48	280	-70	590

[**Notes:** VWP, vibrating wire piezometer; VWPx4, four piezometers installed in fully-grouted borehole; VWPx2, two piezometers installed in fully grouted borehole; VWPx1, one piezometer installed in fully-grouted borehole; m, meters; ft amsl, feet above mean sea level; ft bls, feet below land surface. Table summarizes information from 2021 Corvus survey database. Coordinates for VWP-10 are based on field GPS coordinates. Horizontal coordinate information is referenced to the North American Datum of 1927 (NAD 27)]

5 Test Design

Two, 28-day sequential pumping tests are planned: a 28-day test at well WW-21-03, followed by a 28-day test at well WW-21-03 **(Figure 2-2; Section 6)**. Equipment to be provided by pumping test contractor, includes:

- Submersible test pump, shroud, pump column pipe, discharge line, etc.;
- Electrical generator, fuel, and variable frequency drive for pump motor operation;
- Two (2) 1-inch inside diameter access pipes;
- Discharge assembly as represented in the schematic diagram shown on **Figure 5-1**;
- Temporary lighting for the well site ("light tower");
- Electrical power source, personnel, computers, and other equipment;

The test pump intake is specified to be set at a maximum depth of 500 feet below land surface (bls) and capable of producing 600 gpm from a pumping water level of 440 feet bls. The pumping system will be capable of maintaining the required flow rate with a minimum system pressure of 20 pounds per square inch (psi). Pump column pipe diameter will be selected to minimize head loss. The test pump, including all access pipes, must be capable of operating inside the diameter of production casing. The test pump specifications for the proposed test pump, including performance curve at multiple motor speeds and projected total dynamic head, will be finalized during the final planning stage and work order of the test.

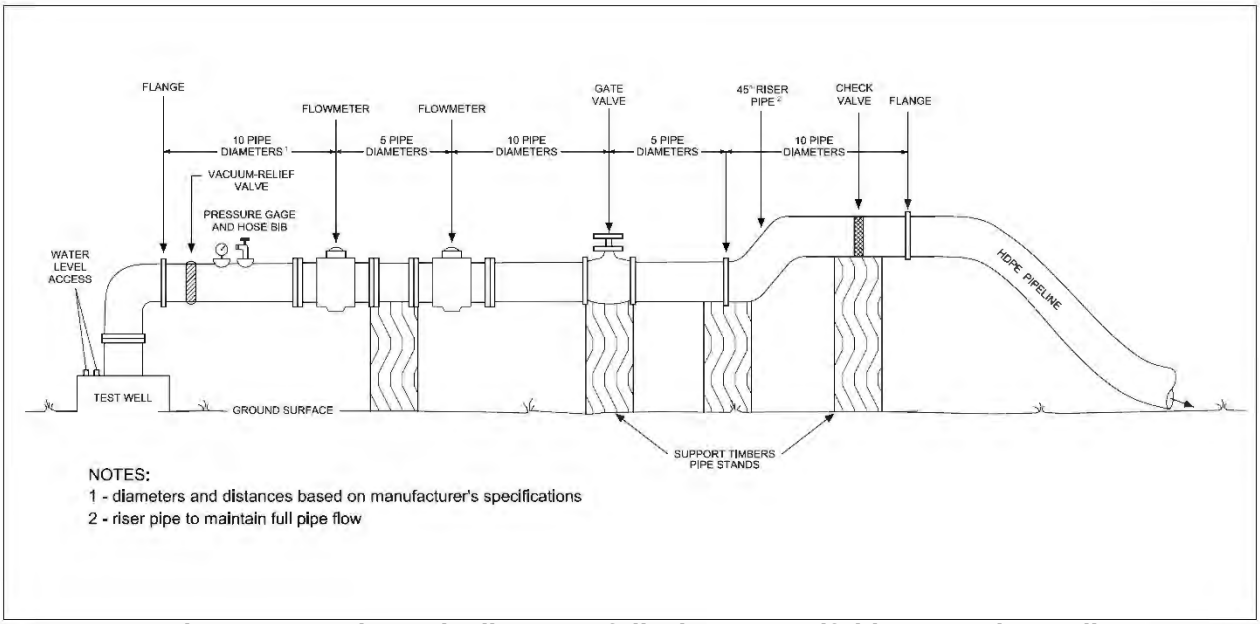


Figure 5-1. Schematic diagram of discharge manifold at pumping well.

The access pipes will extend from land surface to the top of the pump bowls for water level sounder and pressure transducer monitoring. The access pipe will have smooth beveled openings (tops), be perforated in the lower 20 feet with a minimum of ten equally spaced ¼-inch diameter holes per foot and be capped on the bottom. The access pipe(s) must permit the free and unobstructed passage of electrical water level electric sounder and In-Situ LevelTROLL pressure transducer from the wellhead to the bottom of the access pipes such that accurate measurements can be obtained.

Discharge will be directed downgradient from pumping wells as shown on **Figure 5-2**. Straw waddles, straw bales, splash pads, etc., will be used to direct discharge and maximize surface infiltration so as to minimize disturbance and erosion of discharge areas. Approximately 300 feet of discharge pipeline is required for the pumping test at well WW-21-03; approximately 1,100 feet is required for the pumping test at well WW-21-02 along with a temporary discharge tank to maintain a constant hydraulic head at the pumping well. The discharge line shall be properly vented so as to vent volumes of air during filling or startup, and allow air back into the pipeline during emptying.

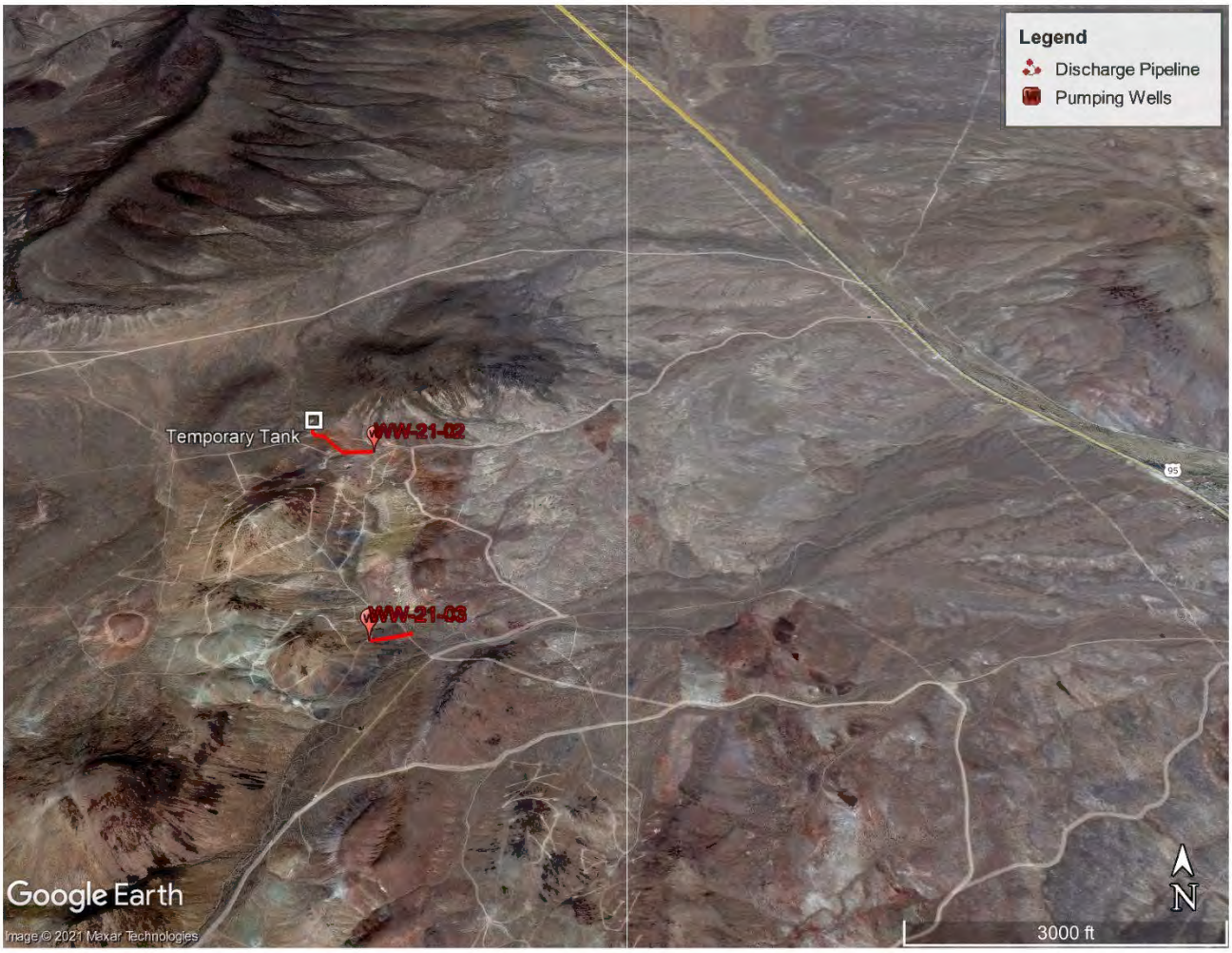


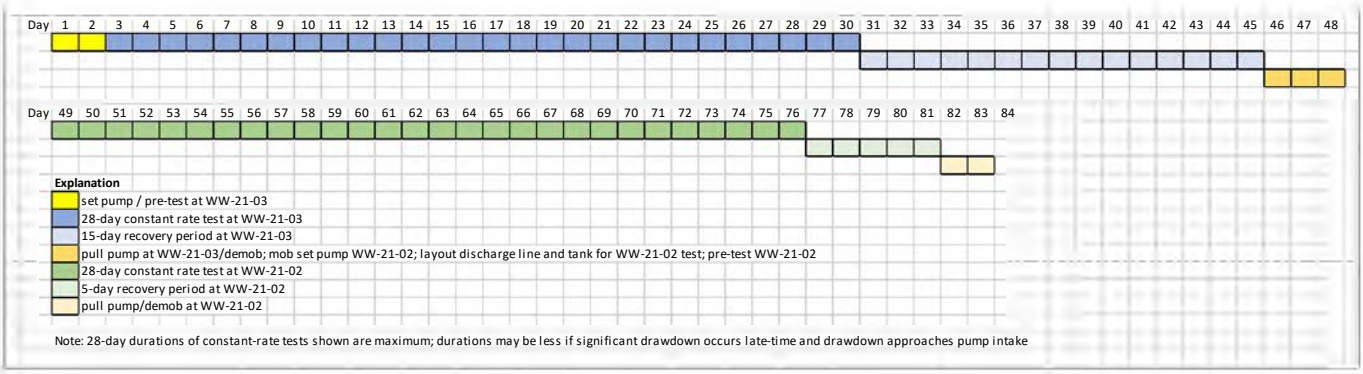
Figure 5-2. Discharge layouts for well WW-21-02 and WW-21-03 pumping tests.

6 Schedule, Measurements, and Documentation

Project personnel will begin monitoring for the 28-day tests within one month following the completion of necessary State permitting. At wells sites and VWPs, monitoring will be conducted using a combination of continuous data-logging pressure transducers and periodic manual measurements. At spring locations, monitoring will be conducted using a staff gauge, flow measurements (stop watch and calibrated volume method), and water quality sampling.

Continuous loggers (pressure transducers) either are installed or will be installed at locations where more frequent water level data are desired for monitoring the water level effects of testing operations and where access constraints preclude obtaining periodic manual measurements. At observation wells and VWPs, the pressure transducers will record water levels at least every 4 hours to provide a continuous log of water levels throughout the period of monitoring. At the pumping wells, measurements will occur more frequently. Barometric pressure changes will be analyzed using either the NBP meteorological station database or an installed barometric pressure/logger at the location of a pumping well (e.g., In Situ BaroTROLL); processing the changes may be required to correct transducer data for barometric pressure fluctuations. Manual measurements of water levels will be conducted at wells using an electronic water level indicator (sounder) to set level references for the continuous monitoring equipment. **Table 6-1** provides an example schedule for conduct of the 28-day pumping tests comprising a 30-day test at well WW-21-03, followed by a 30-day at well WW-21-02. Example field forms for recording and documenting measurements are provided in **Appendix C**.

Table 6-1. 28-day Pumping Test Schedule



6.1. Pumping Well

Water Level - Rapid, high-frequency readings are needed early in the test at the pumping well in order to observe early-time effects of pumping in the aquifer, wellbore storage, and well construction. Using a pressure transducer and integrated datalogger (e.g., In Situ LevelTROLL), water level measurements will

be collected using a step linear log type interval for user-defined "steps" within a schedule. Example steps for drawdown and recovery phase of testing are as follows using LevelTROLL:

Pumping Well Measurements of Water Level	
Elapsed Time (minutes)	**Measurement Interval**
0 to 5	5 seconds
5 to 10	20 seconds
10 to 100	1 minute
100 to 1000	5 minutes
1000 to 5000	10 minutes
5000 to end of test	20 minutes

For manual water level readings using an electrical water level sounder, measurements will be collected every 5 to 10 minutes during the first hour of pumping and every 1 to 2 hours during the test while personnel are on-site at the well, to the extent practicable. Manual water level measurements will follow the established schedule as closely as possible. If the designated time for a drawdown reading is missed, a reading should be obtained as soon as possible while noting the actual time the reading was obtained.

Flow Rate The flow meter readings will be recorded at a minimum every 5 minutes during the first hour of the test, as well as during any change in pumping due to instability from constant-rate pumping. When discharge becomes stable, the frequency of recording pumping rate will be no less than 60 minutes between recording. As water levels decline, the discharge rate may decrease, thus requiring adjustment. Whenever adjusting the flow rate, record water levels in the pumped well before and after each adjustment. Flow meter readings will be recorded on field forms including both instantaneous (gpm) and totalizer (gallons) measurements.

Water Quality Routine measurement of discharge water for field parameters will be obtained and recorded daily on field forms. A water quality meter should be used capable of reliably measuring pH, specific conductance, temperature, and turbidity (e.g., MyronL Ultrameter or equivalent). Two samples of discharge water will be obtained for water quality parameters for laboratory analysis of the dissolved fraction of the Nevada Department of Environmental Protection (NDEP) Profile I parameters: one sample after 10 days of pumping, and one sample at the end of the pumping period.

6.2. Observation Wells and VWPs

Water Level - During testing at wells WW-21-02 and WW-21-03, VWPs in the Sierra Blanca Complex (proposed open-pits Yellow Jacket, Savage, and Sierra Blanca) will be monitored at higher frequency, on the order of 1-hour readings or more to define early-time drawdown groundwater flow conditions **(Table 4-4)**. After early time, approximately 2 days of drawdown, data collection will be programmed for

measurements at 4-hour frequency, similar to the other more distant VWP and WW locations. Manual measurements water level measurements at WW wells will occur at a frequency of every 1 to 2 days.

At the offsite BWSD wells Indian Springs and Summit, pressure transducers (e.g., In Situ LevelTROLL) have been installed and will be programmed for water level data collection at a frequency of 4 hours. We understand that the USGS has installed a transducer and datalogger at ER-OV-05. The USGS will be given at least two weeks' notice of the test startup.

6.3. Springs

Monitoring Frequency and Measurements Monitoring of spring locations conducted by M&A, 2021 **(Appendix A)** will serve as baseline conditions prior to conducting testing at wells WW-21-02 and WW-21-03 **(Table 4-1; Figure 4-1)**. During testing, selected springs monitoring will occur at a frequency of four times during the testing period to assess site conditions, and where possible record flow rate, field parameters, and level. The frequency will be: one monitoring round at the start of the test, followed by monitoring weekly during pumping, and a final round one week after the pumping period. Two samples of spring discharge will be obtained for water quality parameters for laboratory analysis: one sample at the start of pumping, and one sample in the week after the pumping period.

Monitoring of spring locations conducted by M&A (2021) have included flow measurements at identified monitoring locations using a five-gallon bucket and stopwatch and calculating average flow over several measurements. At some locations with low flow rates, a 500-mL sample bottle has been used instead of a five-gallon bucket for flow rate measurements. At these locations, field parameters and surface water samples have also been collected for laboratory analysis of the dissolved fraction of the NDEP Profile I parameters. Sample bottles are prepared by the analytical laboratory and packaged with the necessary quantity and variety of preservative required for each analytical method. Filled sample bottles shall be labeled with information including date, time of sample collection, sample location, sampling personnel, and project name. Bottles are to be placed in an ice-filled cooler and later transported to the analytical laboratory by field personnel. Appropriate duplicate samples are also collected. Laboratory Chain-of-Custody procedures are followed and both electronic data and paper records were transmitted by the Laboratory with the analytical results. Samples are analyzed at an NDEP-certified testing laboratory.

Water Level Where seeps have been pooled by a landowner, such as Springdale, a staff gauge has been installed to monitor level as a surrogate to hydraulic head of the local conditions. During Q3 and Q4 2021, weekly to biweekly measurements have been logged by Corvus and M&A personnel.

7 Field Quality Control Requirements

Entering records on field forms and in field notebooks should always have the day, month, year and time of measurement, based on a 24-hour clock in hours and minutes (i.e., dd.mmm.yyyy hh.mm). Site conditions should be described including general weather description and atmospheric temperature. Other documentation may include field sketch and identifying photographs of water discharge, outside influences detected during the test, and any modifications to the Plan.

Before the constant-rate test, watches and other time-measurement devices (i.e., dataloggers) should be synchronized so that the time of each reading, electronic and manual, can be referenced to the exact minute and hour that pumping started. It is imperative that time device agreement and measuring device accuracy be maintained throughout the testing period (pre-test baseline, drawdown, and recovery). A routine comparison and synchronization should be conducted of all clocks based on smart phones time signal, in vehicles, wrist watches, and data recorders for agreement and note any discrepancies in field notes identifying the devices and where they were used. For water levels, compare manual measurements to datalogger measurements within wells to confirm accuracy of measuring devices as much as possible.

Field plots should be prepared of data routinely to evaluate trends and assess anomalies by:

- Tabulate and graph the elapsed time, discharge rate, and pumped well drawdown as early as possible in the test, usually after the first hours of testing. Prepare log-log, semi-log, and composite plots during the test.
- Compare this processed data to basic type curves to detect deviations that may be due to discharge variations or other changes in field conditions that may need to be addressed (e.g., infiltration of discharge recharging the aquifer and affecting drawdown patterns, etc.).
- Keep diagnostic plots current throughout the test in order to support decisions about test progress and determining anomalies such as equipment malfunctions or unacceptable flow rate variations. Analysis of the plots may suggest timing for when data collection is sufficient or more data are needed to substantiate conclusions about the groundwater flow system.

8 General Documentation and Validation

The Project Manager or Field Team Leader shall oversee and ensure that field documentation is collected in accordance with the Monitoring Plan and any site-specific or project specific planning documents.

The field personnel will be responsible for the understanding and implementation of the Monitoring Plan during all field activities, as well as, obtaining the appropriate field logbooks, field forms and records necessary to complete the field activities. Field personnel shall ensure all field activities are documented and archived digitally completely at the end of each field day. Field personnel are responsible for tracking the location of all field documentation, including field logbooks. Field personnel are responsible for assuring that the original documentation (or copies of the field log book), are copied, filed, and archived periodically during the testing program and verified at the end of the field project.

9 References

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Appendix A

2021 Spring and Seep Survey

MONTGOMERY
& ASSOCIATES
Water Resource Consultants

October 12, 2021

Baseline Spring and Seep Survey

Prepared for:

Corvus Gold Nevada Inc.

North Bullfrog Project, Nye County, Nevada

Prepared by:

Montgomery & Associates

1550 E. Prince Road, Tucson, Arizona

MONTGOMERY & ASSOCIATES

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ABBREVIATIONS AND UNITS

AOI .....Area of Impact
BLM.....U.S. Bureau of Land Management
DO.....Dissolved Oxygen (DO) measurement in milligrams per liter (mg/L)
EC .....Electrical conductivity of solution in microSiemens per centimeter (µS/cm)
Elevation .....Elevation of location above mean sea level, in meters (m asl)
Flow .....Flow rate measurement at discharge location in gallons per minute (GPM)
N/A.....Not Available
NDEP .....Nevada Department of Environmental Protection
NDWR .....Nevada Department of Water Resources
NTU .....Turbidity measurement in Nephelometric Turbidity Units (NTU)
pH.....negative logarithm of hydrogen ion activity in solution
TDS .....Total Dissolved Solids measurement in milligrams per liter (mg/L)
Temp .....Temperature in degree Celsius (°C)
USGS .....U.S. Geological Survey
UTM.....Universal Transverse Mercator coordinate system; North American Datum 1983 (NAD83), in meters (m)

1 INTRODUCTION

Montgomery & Associates (M&A) was retained by HydroGeoLogica, Inc. (HGL) to conduct a baseline Spring and Seep Survey in the vicinity of the North Bullfrog Project (NBP) near Beatty, Nevada, northwestern Nye County.

The seeps and springs included were selected based on proximity of planned NBP facilities to the Amargosa River, Death Valley National Park, and domestic and public water supply sources in Oasis Valley Hydrographic Area (HA) (Basin 228) and Sarcobatus Flat Basins HA (Basin 146) of Nevada. The Oasis Valley Basin is in Death Valley Hydrographic Region 14 and Sarcobatus Flat Basin is in Central Hydrographic Region 10 as defined by the in the State of Nevada Division of Water Resources (NDWR). The Project Boundary straddles the divide between the Oasis Valley HA and Sarcobatus Flat HA.

Identification of seeps and springs was accomplished and targeted for field verification based on previous surface water sampling efforts and locations shown on USGS topographic maps. Additional springs were identified during discussions with local stakeholders. Other springs and seeps were identified during field transects along with analysis of high-resolution satellite imagery (e.g., Google Earth).

A regional location map showing the NBP property area and locations identified by the Spring and Seep Survey is shown on Figure 1. Where possible, the identified springs have been visited and cataloged by M&A. In several cases, no active spring was found at the locations provided in public databases, or M&A was refused access by the landowner. Field-verified location information is given for each spring, where possible, in the attached location descriptions (Appendix A).

2 BACKGROUND

The NBP is entirely controlled by Corvus Gold Nevada Inc. (CGNI), a wholly owned subsidiary of Corvus Gold Inc. ("Corvus"), through federal mining claims (Public Lands) and historic patented mining claims (Private Lands). The NBP patented and unpatented mining claims cover approximately 72 square kilometers (Wilson and others, 2020). The NBP was a historic mining center and the surface area of the NBP contains many abandoned workings, audits, and dispersed surface disturbances from exploration activities. Current land use is limited to livestock grazing and recreational use.

> From Wilson and others (2020): *NBP is in Western Nevada's high desert which receives about 15- centimeters ("cm") of precipitation per year, mostly as modest snowfall in the winter and thunderstorms in the summer. The average daily temperature varies from a low of 5°C (40.8°F) in January to a high of 27 °C (80.8 °F) in July, peak temperatures can reach 43°C (110°F). Due to the mild climate at NBP, the operating season is year-round, though occasional thunderstorms may prohibit operations for short periods due to safety concerns regarding lightning strikes. The hills at NBP are covered with sparse low brush including creosote, four-wing saltbush, rabbit brush and ephedra. The Project is in the Basin and Range province. Topographic relief is several hundred feet. Topography varies from low hills and desert plains to locally very steep, rocky and rugged hills. The elevation of the Project ranges from 1,100 m (3,600 feet) to 1,500 m (4,800 feet). Most of the Project is characterized by low hills separated by modest width valleys.*

The low hills and valleys of the NBP expose a mixed terrain of clastic and limestone Paleozoic rocks overlain by a tertiary volcanic sequence dominated by interbedded ash flows and air-fall tuffs. These sequences are heavily faulted, creating local barriers to groundwater flow and pathways for mineralization. Alteration of the volcanic units has produced swelling clays, which have been mined in addition to precious metal resources.

3 METHODS & RESULTS

Preliminary baseline surface water quality monitoring efforts were conducted from 2012 through 2015 and are a subset of the locations sampled in this study. The surface water sampling event presented here allows comparison to that dataset and establishes baseline water quality at additional sites to support environmental permitting and ongoing monitoring around the planned NBP Area of Impact (AOI).

Identification of seeps and springs was completed by CGNI and HGL prior to the field sampling event. Sample locations were targeted for field verification based on previous surface water sampling efforts and locations shown on USGS topographic map, as well as through discussion with local stakeholders. After location selection was complete, landowners were contacted by representatives of CGNI to arrange site access. Springs and seeps identified as part of this effort are shown on Figure 1 and listed in Table 1. Table 1 includes names of mapped springs, UTM site coordinates, landowners, and site access status.

Site coordinates reported in Table 1 (UTM) were derived from either National Hydrography Dataset (NHD) data or were provided by CGNI. Sampled sites were checked with a handheld GPS unit at the sample location; verified sample coordinates for each location are presented in Appendix A in latitude/longitude (WGS84).

Water quality parameters were measured at each sample site using a Horiba U-52 Ultrameter. Measured field parameters include temperature, pH, EC, turbidity, DO, and TDS. Flow measurements were performed at sample sites where possible, using a five-gallon bucket and stopwatch and calculating average flow over several measurements. At some locations with low flow rates, a 500-mL sample bottle was used instead of a five-gallon bucket for flow rate measurements. Where a single mapped location had multiple sources of flow, the flow rates were measured separately at each source (e.g., Location 15, Appendix A).

Surface water samples were collected for laboratory analysis of the dissolved fraction of the NDEP Profile I parameters. Sample bottles were prepared by the analytical laboratory and packaged with the necessary quantity and variety of preservative required for each analytical method. Filled sample bottles were labeled with information including date, time of sample collection, sample location, sampling personnel, and project name. Bottles were placed in an ice-filled cooler and later transported to the analytical laboratory by M&A personnel. Appropriate duplicate samples were also collected. Laboratory Chain-of-Custody procedures were followed and both electronic data and paper records were transmitted by the Laboratory with the analytical results. Samples were analyzed at an NDEP-certified testing laboratory. Results of these analytical tests are presented in Appendix B.

Appendix A includes detailed sample location descriptions and site data. For each location entry shown in Appendix A, sections include: 1) general information providing information on land

ownership, naming convention, georeference data including location coordinates and elevation, general hydrographic and hydrologic information, spring classification details, and description of existing infrastructure, if present; 2) hydrological observations providing a summary of flow characteristics, or presence of water, and available field water quality parameters, when possible; and 3) representative photographs showing characteristics such as the location geomorphology, vegetation, hydrology.

4 STUDY LIMITATIONS

Several private landowners approached by CGNI refused access to proposed sample sites, and two sites located within the boundaries of Death Valley National Park required permit access to sample which was not obtained. Heavy surface disturbance (both anthropogenic and wildlife disturbances) made undisturbed field parameter measurement and sampling difficult in some sample locations. Flow measurements also depended upon surface expression of the spring; bucket and stopwatch measurements are impossible where insufficient surface gradient exists to channelize flow. In some locations spring development included fragile or degraded infrastructure that could have been damaged by flow measurement or sampling.

5 SUPPLEMENTARY DATA

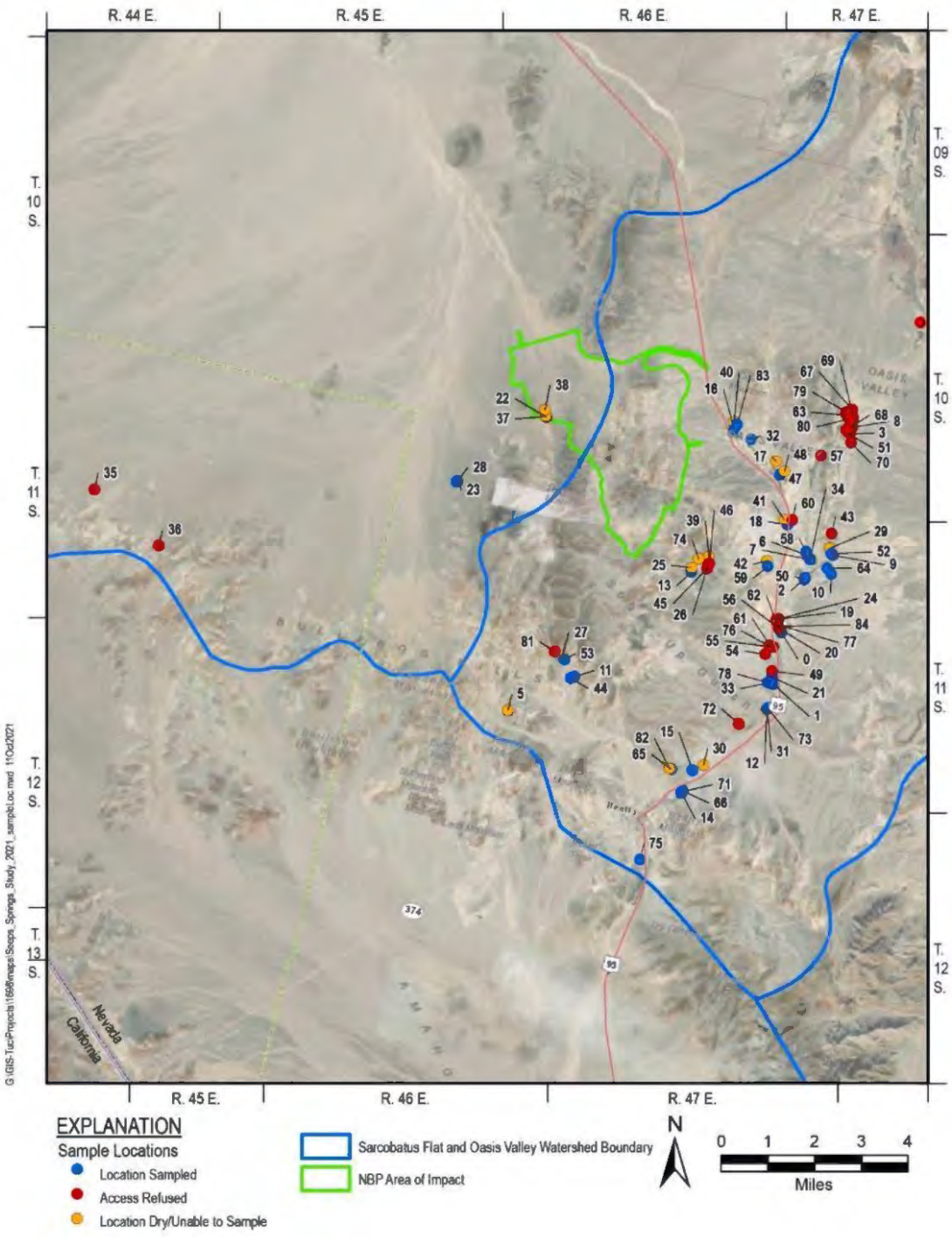


Figure 1. Location Map – Spring and Seep Survey

Table 1. North Bullfrog Project Seep and Spring Matrix

Sample Location	Name	Basin	UTM NAD27 (m)		Elevation (m)	Comments
			Easting	Northing		
0		Oasis Valley	524902.88	4091835.85	1096.24	
1		Oasis Valley	525025.75	4090056.82	1074.04	Sampled as Location 21
2		Oasis Valley	525305.31	4093852.53	1117.90	
3		Oasis Valley	525736.42	4098986.67	1171.71	No access granted
4		Oasis Valley	527268.45	4103219.92	1213.45	No access granted
5		Sarcobatus Flat	516214.32	4087208.33	1284.16	DRY
6		Oasis Valley	525196.14	4094608.70	1120.95	Heavily manipulated, unable to sample
7	Goss Springs	Oasis Valley	525368.43	4094493.43	1122.78	Dry
8		Oasis Valley	525750.91	4099218.96	1172.94	No access granted
9		Oasis Valley	526075.15	4094809.70	1171.17	
10		Oasis Valley	526159.58	4094160.75	1158.84	
11		Oasis Valley	518223.42	4088819.81	1236.74	
12		Oasis Valley	525000.63	4089169.76	1062.95	DRY
13		Oasis Valley	521387.77	4093184.71	1208.99	
14	Revert Springs	Oasis Valley	522737.41	4085750.96	1033.96	
15	Beatty Springs	Oasis Valley	522937.68	4086580.70	1025.03	
16		Oasis Valley	521751.35	4098277.24	1171.44	
17		Oasis Valley	523418.09	4097506.21	1141.70	Influenced by Location 32
18		Oasis Valley	524297.12	4095475.49	1122.68	
19	Hot Springs	Oasis Valley	524713.65	4092283.90	1094.16	No access granted
20		Oasis Valley	524790.87	4091973.86	1097.46	No access granted
21	Ute Springs	Oasis Valley	524939.07	4090279.04	1075.95	
22		Sarcobatus Flat	515276.40	4097268.96	1305.80	
23	Mud Springs	Sarcobatus Flat	512757.04	4094461.28	1293.22	Unable to differentiate from Location 28
24	Bailey Hot Spring	Oasis Valley	524640.86	4092242.75	1091.57	No access granted
25	Brian Spring	Oasis Valley	521361.86	4093337.72	1215.07	DRY
26	Crystal Spring	Oasis Valley	521910.85	4093585.72	1189.50	No access granted
27	Indian Spring	Oasis Valley	517644.93	4089437.68	1281.33	DRY
28	Mud Spring	Sarcobatus Flat	512725.88	4094427.63	1292.74	
29	North Goss Spring	Oasis Valley	525913.84	4095015.77	1170.39	DRY
30		Oasis Valley	523283.68	4086846.39	1025.02	Unable to differentiate from Location 30
31		Oasis Valley	525013.35	4089193.58	1061.35	DRY
32		Oasis Valley	522420.21	4098047.30	1159.08	
33		Oasis Valley	524906.17	4090088.73	1072.95	Sampled as Location 21
34	Goss Springs	Oasis Valley	525327.02	4094481.72	1121.20	Sample taken, but unable to verify source of irrigation pipe
35		Sarcobatus Flat	500478.67	4091467.51	1487.33	Permit Required
36		Sarcobatus Flat	503103.27	4090076.31	1630.77	Permit Required
37		Sarcobatus Flat	515256.23	4097296.36	1303.31	Unable to differentiate from Location 22
38	North Mud Spring	Sarcobatus Flat	515180.91	4097481.65	1311.34	DRY
39	Seep Spring	Oasis Valley	521866.85	4093834.72	1180.66	DRY
40	Springdale Spring	Oasis Valley	521701.82	4098506.71	1175.73	DRY
41	Wehrly Spring	Oasis Valley	524148.83	4095622.75	1133.16	DRY
42	Burro Spring	Oasis Valley	523863.85	4094116.75	1130.28	DRY
43		Oasis Valley	525861.22	4095519.04	1170.29	No access granted
44	Lower Indian Springs	Oasis Valley	518103.46	4088751.29	1227.73	
45	Crystal Springs	Oasis Valley	521898.15	4093414.32	1188.75	No access granted
46		Oasis Valley	521931.33	4093594.22	1187.13	No access granted
47		Oasis Valley	523645.64	4097081.47	1134.07	
48		Oasis Valley	523785.34	4097238.60	1134.40	Influenced by Location 32
49	Burrell Hot Spring	Oasis Valley	524882.92	4090486.73	1080.27	No access granted
50		Oasis Valley	525290.29	4093784.21	1115.47	
51		Oasis Valley	525587.41	4099069.07	1169.86	No access granted
52		Oasis Valley	526006.80	4094835.08	1170.62	
53	Middle Indian Spring	Oasis Valley	517750.02	4089311.44	1270.79	Broken pipe on surface, unable to verify source up-canyon
54		Oasis Valley	524538.01	4091003.15	1086.56	No access granted
55		Oasis Valley	524749.83	4091291.58	1085.22	No access granted
56		Oasis Valley	524825.11	4091942.28	1097.52	No access granted
57		Oasis Valley	524903.79	4098032.33	1150.70	No access granted
58		Oasis Valley	525133.63	4094713.35	1119.58	
59		Oasis Valley	523935.21	4093951.06	1116.92	
60		Oasis Valley	524419.60	4095677.06	1122.30	Actual spring on Nature Conservancy, not sampled
61		Oasis Valley	524613.75	4091333.81	1093.95	No access granted
62		Oasis Valley	524725.39	4092050.46	1093.45	No access granted
63		Oasis Valley	525487.60	4099574.71	1171.85	No access granted
64		Oasis Valley	525981.65	4094320.49	1162.29	
65		Oasis Valley	522206.53	4086467.95	1025.64	
66	Revert Springs	Oasis Valley	522746.90	4085831.46	1030.96	
67		Oasis Valley	525621.57	4099803.76	1174.57	No access granted
68		Oasis Valley	525650.49	4099163.77	1170.48	No access granted
69		Oasis Valley	525712.61	4099554.12	1174.88	No access granted
70		Oasis Valley	525827.02	4098688.26	1170.96	No access granted
71	Revert Springs	Oasis Valley	522742.78	4085785.74	1032.41	
72		Oasis Valley	524169.57	4088478.17	1058.59	No access granted
73		Oasis Valley	525024.24	4089216.77	1061.16	
74		Oasis Valley	521533.09	4093680.62	1197.93	DRY
75		Oasis Valley	521846.33	4083210.06	988.29	
76		Oasis Valley	524602.88	4091300.85	1093.63	No access granted
77		Oasis Valley	524716.78	4092077.25	1094.18	No access granted
78		Oasis Valley	524830.01	4090078.12	1073.65	Sampled as Location 21
79		Oasis Valley	525431.19	4099673.90	1171.84	No access granted
80		Oasis Valley	525597.02	4099481.81	1172.30	No access granted
81	Upper Indian Spring	Oasis Valley	517360.10	4089505.75	1289.30	Municipal locked sistem
82		Oasis Valley	522155.07	4086466.56	1027.35	DRY
83		Oasis Valley	521816.24	4098446.23	1172.80	
84		Oasis Valley	524738.28	4092023.68	1095.31	No access granted

Location Sampled
Access Refused
Location Dry/Unable to Sample

6 REFERENCES

Wilson, S.E., Young, M.R, House, A.R, Delong, R., and D. Malhotra, 2020. Technical Report and Preliminary Economic Assessment for Gravity Milling and Heap Leach Processing at the North Bullfrog Project, Bullfrog Mining District, Nye County, Nevada, November 20, 2020, NI 43-101 report for Corvus Gold Inc.

MONTGOMERY & ASSOCIATES

Appendix A

Location Descriptions, Photos, and Measurements

Location 11

Location 11 is a BLM land location upgradient to the north of Location 44 with a fenced-in area and collection pipe with valved discharge. No measurement of flow was obtained due to leaking valve with minimal discharge and concern of valve failure. Water has collected below the collection box in a low-lying area with heavy vegetation, but all water is retained within the fenced in area.

North View of Location 11

Sample Location 11

<table>
<tr><th colspan="5">Location 11: BLM</th></tr>
<tr><td colspan="2">Site Visit Date: 5/21/2021

Dexter Race & Louis Wersan
Montgomery & Associates</td><td colspan="2">Stratigraphic Unit Overburden
Soils Sand and Gravels with swelling clays
Usage Discharge area is fenced in with no visible usage or direct access</td><td>Discharge Location Buried corroded valved, one inch diameter Carlon pipe in covered collection box; unable to verify inlet location below land surface
Flow No flow measurement possible due to limited elevation difference and dispersed flow</td></tr>
<tr><td>Latitude</td><td>Longitude</td><td>Elevation (m asl)</td><td rowspan="2">Emergence Environment
Subaerial in excavated gravel channel
Orifice Geomorphology Contact spring, developed</td><td rowspan="2">Field Parameters
Temp: 17.3°C
pH: 7.71
EC: 311 µS/cm
NTU: 5.6
DO: 3.30 mg/L
TDS: 202 mg/L</td></tr>
<tr><td>36.94504</td><td>-116.79498</td><td>1236.74</td></tr>
</table>

Location 13

Location 13 is a BLM land location with a buried one-inch diameter Carlon pipe discharge within a fenced area and no visible usage. There are concrete structures to the west within the fenced area (possible vaults), but we were unable to verify location of the buried pipe inlet.

West View of Location 13

Sample Location 13

Location 13: BLM				
Site Visit Date: 5/22/2021 Dexter Race & Louis Wersan Montgomery & Associates			Stratigraphic Unit Overburden Soils Sand and Gravels with swelling clays Usage Fenced location with all vegetation inaccessible to wildlife	Discharge Location Buried one inch diameter Carlon pipe with no visible inlet Flow 0.8 GPM
Latitude	Longitude	Elevation (m asl)	Emergence Environment	Field Parameters
36.9841	-116.75911	1208.99	Subaerial in excavated gravel channel Orifice Geomorphology Contact spring, developed	Temp: 21.0°C pH: 7.97 EC: 355 µS/cm NTU: 1.0 DO: 9.24 mg/L TDS: 231 mg/L

Location 16

Location 16 is a residential location likely influenced by several springs that have been excavated into a large, heavily vegetated retention pond. There are several outbuildings within the fenced location with limited wildlife accessibility. Vegetation limits accessibility for sampling without disturbing the shallow organic material. No flow is available due to outlet seeps to the southeast.

North View of Location 16

Sample Location 16

Location 16: John Lawrence Moog Trustee				
Site Visit Date: 5/22/2021 Dexter Race & Louis Wersan Montgomery & Associates			Stratigraphic Unit Overburden Soils Silt and sand Usage Fenced in residence with no visible direct usage. Overflow continues down gradient to pastureland	Discharge Location Excavated low-lying area adjacent to hillslope Flow N/A
Latitude	Longitude	Elevation (m asl)	Emergence Environment Subaerial in excavated pond Orifice Geomorphology Contact spring, undeveloped	Field Parameters Temp: 19.9°C pH: 8.30 EC: 644 µS/cm NTU: 243 DO: 4.1 mg/L TDS: 412 mg/L
37.03062	-116.75553	1171.44		

Location 18

Location 18 is a residential location with a buried one-inch diameter Carlon pipe that appears to run into concrete vault to the west of the discharge location. The resident has an electric pump from the vault to holding tanks that gravity feed to the home. All livestock and wildlife are fenced outside away from the vault location, but the residence is up gradient.

North View of Location 18

Sample Location 18

Location 18: Wehrly Property				
Site Visit Date: 5/22/2021 Dexter Race & Louis Wersan Montgomery & Associates			Stratigraphic Unit Overburden Soils Silt and sand Usage All livestock are fenced away from the vault, but residence is upgradient	Discharge Location Excavated low-lying area adjacent to hillslope Flow 2.4 GPM
Latitude	Longitude	Elevation (m asl)	Emergence Environment Subaerial with concrete vault storage Orifice Geomorphology Contact spring, developed	Field Parameters Temp: 19.3°C pH: 7.97 EC: 1020 µS/cm NTU: 1.2 DO: 6.62 mg/L TDS: 652 mg/L
37.00515	-116.72866	1122.68		

Location 22

Location 22 has a one-inch diameter Carlon pipe discharging from an adjacent northwest facing hillslope. The area is heavily utilized by burros with significant vegetation down gradient. A second location is marked down gradient, but there is no clear discharge area. Vegetation spreads out down gradient indicating possible increased flow but cannot be separated from Location 22.

North View of Location 22

Sample Location 22

Location 22: BLM				
Site Visit Date: 5/25/2021 Dexter Race Montgomery & Associates		Stratigraphic Unit Overburden Soils Silt and sand Usage Heavy burro usage spreading flow down gradient		Discharge Location Excavated low-lying area of hillslope Flow 0.9 GPM
Latitude	Longitude	Elevation (m asl)	Emergence Environment	Field Parameters
37.02161	-116.82844	1305.80	Subaerial with excavation and underground pipe to SE Orifice Geomorphology Contact spring, developed	Temp: 17.9°C pH: 8.63 EC: 356 µS/cm NTU: 0 DO: 5.48 mg/L TDS: 238 mg/L

Location 28

Location 28 discharges on northwest facing hillslope with heavy burro usage and minor vegetation down gradient. A public two-track crosses the discharge area approximately 100 feet down gradient. The location does not appear to be excavated and piped like Location 22 but could not be verified without excavation while onsite.

North View of Location 28

Sample Location 28

Location 28: BLM (Mud Springs)				
Site Visit Date: 5/25/2021 Dexter Race Montgomery & Associates		Stratigraphic Unit Overburden Soils Silt and sand Usage Heavy burro usage spreading flow down gradient		Discharge Location Low-lying area of hillslope Flow 0.4 GPM
Latitude	Longitude	Elevation (m asl)	Emergence Environment Subaerial on hillslope Orifice Geomorphology Contact spring, undeveloped	Field Parameters Temp: 18.0°C pH: 8.25 EC: 415 µS/cm NTU: 8.3 DO: 6.13 mg/L TDS: 269 mg/L
36.99603	-116.85628	1292.74		

Location 44

Location 44 is fenced in with no visible wildlife usage. There is no clear surface expression of the discharge within the fence line, but there is a cattle trough down gradient with 1 ¼ -inch buried galvanized pipe discharging to the trough. We were unable to verify the buried line upgradient and the flow could be influenced by locations piped from the northwest canyon. The flow is larger than expected for a small fenced-in footprint.

North View of Location 44

Sample Location 44

Location 44: BLM (Lower Indian Springs)				
Site Visit Date: 5/25/2021 Dexter Race Montgomery & Associates		Stratigraphic Unit Overburden Soils Silt and sand Usage Fenced in area with buried galvanized pipe		Discharge Location Low-lying area of hillslope Flow N/A
Latitude	Longitude	Elevation (m asl)	Emergence Environment Subaerial on small hillslope Orifice Geomorphology Contact spring, developed	Field Parameters Temp: 19.2°C pH: 7.68 EC: 314 µS/cm NTU: 0.2 DO: 6.00 mg/L TDS: 204 mg/L
36.94434	-116.79668	1170.29		

Location 59

Location 59 is fenced in with no visible wildlife usage. There are two channels that are heavily vegetated and have been excavated within approximately the last 10 years. There is minimal elevation change and all water remains within the channel (there is no flow available). The coordinates for Location 42 are within the fence but there is no visible surface expression.

North View of Location 59

Sample Location 59

Location 59: BLM				
Site Visit Date: 5/23/2021 Dexter Race Montgomery & Associates		Stratigraphic Unit Overburden and limestone bedrock Soils Sand and swelling clays Usage Fenced in area with no visible wildlife usage		Discharge Location hillslope Flow N/A
Latitude	Longitude	Elevation (m asl)	Emergence Environment Subaerial on very small hillslope Orifice Geomorphology Contact spring, developed	Field Parameters Temp: 15.4°C pH: 7.89 EC: 1110 µS/cm NTU: 4.1 DO: 11.21 mg/L TDS: 713 mg/L
36.99137	-116.73094	1116.92		

Appendix B

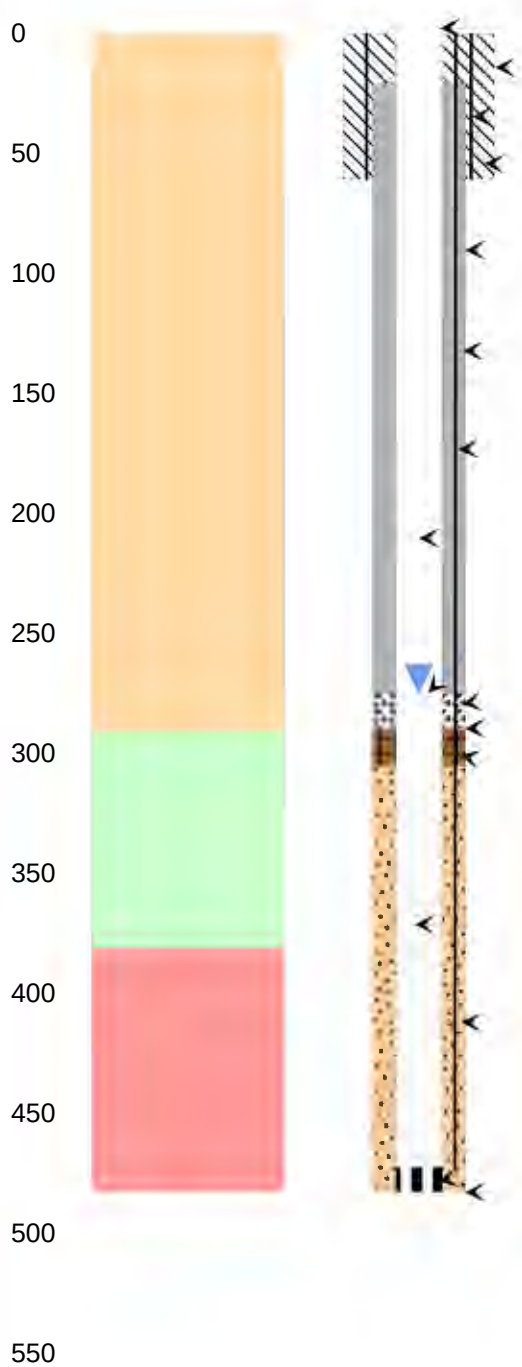
Borehole Logs and Construction Details for Wells and VWPs

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: WW-21-02



Stickup
(3 ft)

18 in.
Steel Conductor
(0 to 60 ft.)

16 in.
Nominal Hole
(60 to 481 ft.)

2 in.
Sounding Tube
(0 to 471 ft.)

Static
Water Level
4-28-2021
(273.75 ft.)

Fine Filter Sand
#10 - #20
(288 to 289 ft.)

8 in. Steel
0.090 in. Louver Screen
w/ 0.259 in. Wall
(310 to 471 ft.)

Sump
(471 to 481 ft.)

26 in.
Nominal Hole
(0 to 60 ft)

Cement
(0 to 60 ft)

Grout
(20 to 274 ft)

8 in.
Steel Riser
(-3 to 310 ft)

TR30
Bentonite Pellets
(274 to 288 ft)

Borehole Collapse
Formation Material
(289 to 304 ft)

Filter Pack
(304 to 481 ft)

Total Depth
(481 ft)

Lithology

- Lithic Ridge Tuff (Tlr)
- Savage Valley Dacite (Td)
- North Bullfrog Suite (Tnb)

Note: all depths are in feet below ground surface

Location: North Sierra Blanca
Northing (NAD27): 4098615.56
Easting (NAD27): 518140.70
Ground Surface Elevation (ft amsl): 4158.92
Drilling and Installation Date
From: 4/18/2021
To: 4/28/2021
Driller: Boart Longyear
Drilling Method: Dual Tube Flooded Reverse Circulation

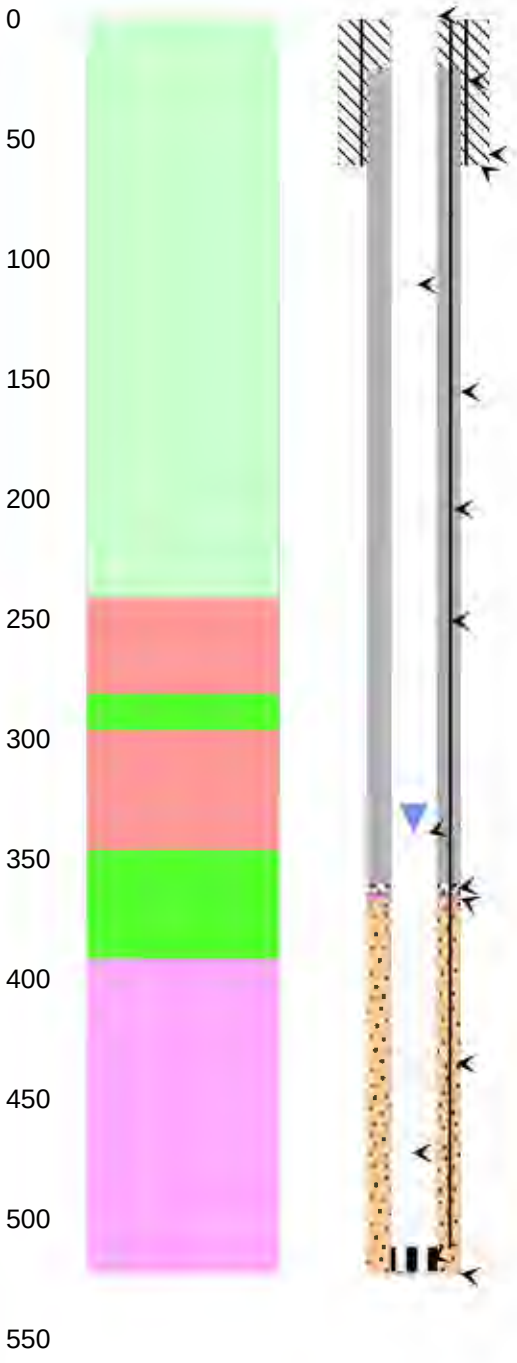
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: WW-21-03



Stickup
(2 ft)

18 in. Steel
Conductor
(0 to 60 ft.)

Cement
(0 to 60 ft)

26 in.
Nominal Hole
(0 to 60 ft.)

8 in.
Steel Riser
(-2 to 370 ft)

16 in.
Nominal Hole
(60 to 520 ft.)

Grout
(20 to 363.5 ft)

2 in.
Sounding Tube
(0 to 510 ft.)

Static
Water Level
4-28-2021
(337.5 ft)

TR30
Bentonite Pellets
(358.5 to 363.5 ft.)

Fine Filter Sand
#10 - #20
(363.5 to 365.5 ft)

Filter Pack
(365.5 to 520 ft.)

8 in. Steel
0.090 in. Louver Screen
w/ 0.259 in. Wall
(370 to 510 ft)

Sump
(510 to 520 ft.)

Total Depth
(520 ft)

Lithology

- Savage Valley Dacite (Td)
- North Bullfrog Suite (Tnb)
- Savage Valley Dacite* (Tdl)
- Sierra Blanca Tuff (Tsb)

* lower mixed clastic member

Note: all depths are in feet below ground surface

Location: East Sierra Blanca
Northing (NAD27): 4097497.35
Easting (NAD27): 518287.72
Ground Surface Elevation (ft. amsl): 4222.33
Drilling and Installation Date
From: 4/8/2021
To: 4/16/2021
Driller: Boart Longyear
Drilling Method: Dual Tube Flooded Reverse Circulation

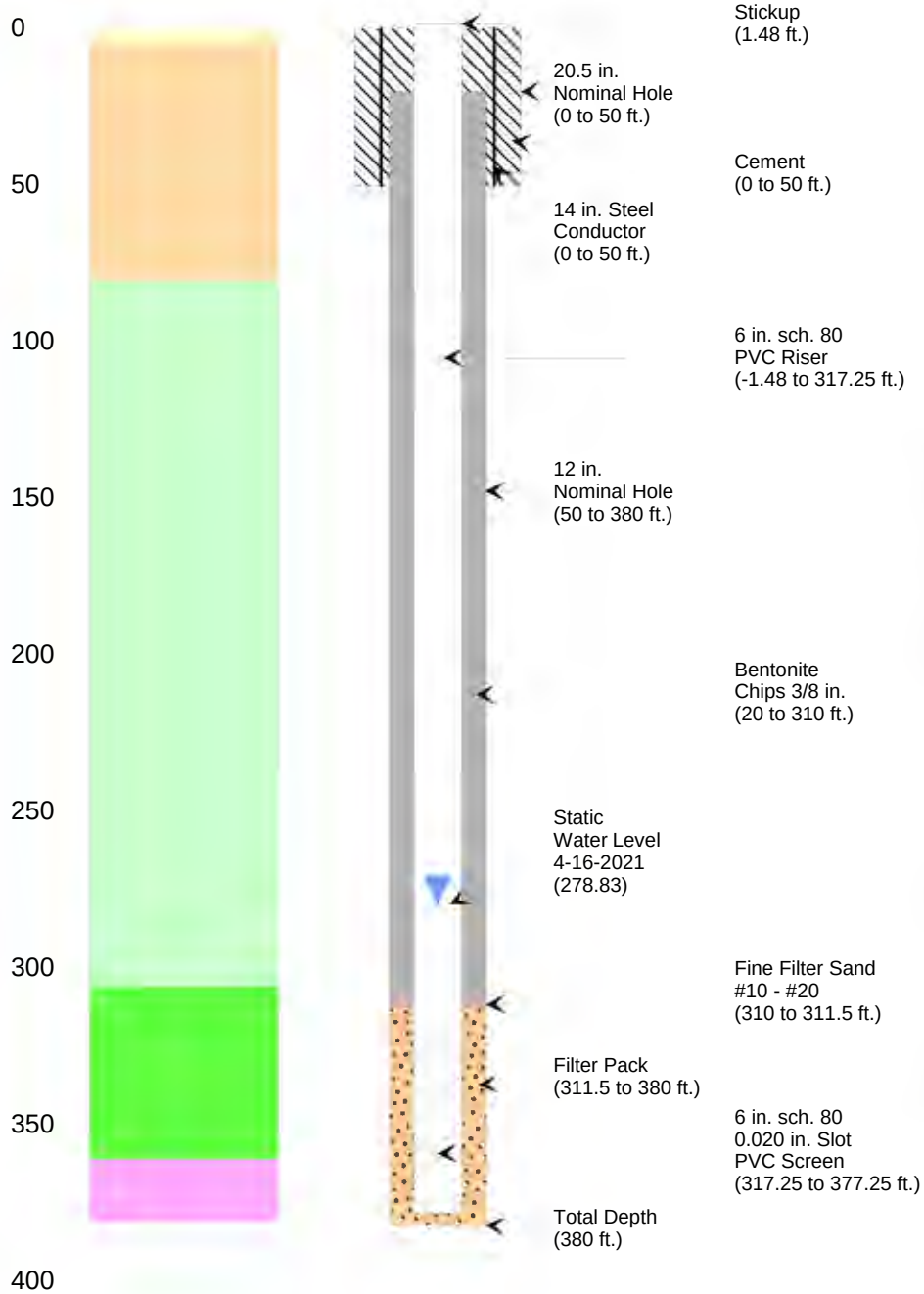
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: WW-21-04



* lower mixed clastic member

Note: all depths are in feet below ground surface

Location: North Jolly Jane
Northing (NAD27): 4096920.47
Easting (NAD27): 519231.17
Ground Surface Elevation (ft. amsl): 4159.14
Drilling and Installation Dates
From: 3/29/2021
To: 4/5/2021
Driller: Boart Longyear
Drilling Method:Dual Tube Flooded Reverse Circulation

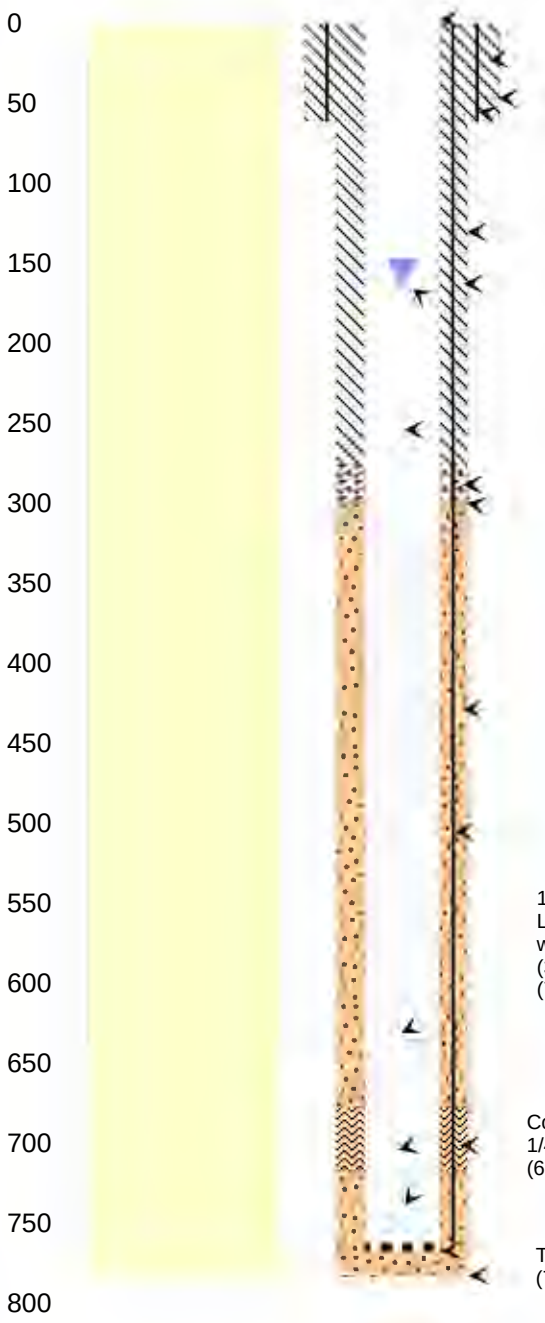
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: WW-21-14R



Stickup
(2 ft.)

26 in.
Nominal Hole
(0 to 60 ft.)

17.5 in.
Nominal Hole
(60 to 779 ft.)

Static Water Level
5/19/2021
(164 ft.)

TR30
Bentonite Pellets
(274 to 297 ft.)

Filter Pack
(299 to 779 ft.)

10 in. Steel 0.090 in.
Louver Screen
w/ 0.259 in. Wall
(315 to 675 ft.)
(715 to 755 ft.)

Coarsened Filter Pack
1/4 x 3/8 in.
(675 to 715 ft.)

Total Depth
(779 ft.)

Cement
(0 to 60 ft.)

20 in. Steel
Conductor
(0 to 60 ft.)

Cement
(20 to 274 ft.)

10 in.
Steel Riser
(-2 to 315 ft.)

Fine Filter Sand
#10 - #20
(297 to 299 ft.)

2 in.
Sounding Tube
(0 to 755 ft.)

Blank 10 in.
Steel Casing
(675 to 715 ft.)

Sump
(755 to 765 ft.)

Lithology

Alluvium (Qca)

Note: All depths are in feet below ground surface

Location: Sarcobatus Flats
Northing (NAD27): 4098933.36
Easting (NAD27): 514407.03
Ground Surface Elevation (ft. amsl): 4112.96
Drilling and Installation Date
From: 5/9/2021
To: 5/19/2021
Driller: Boart Longyear
Drilling Method: Dual Tube Flooded Reverse Circulation

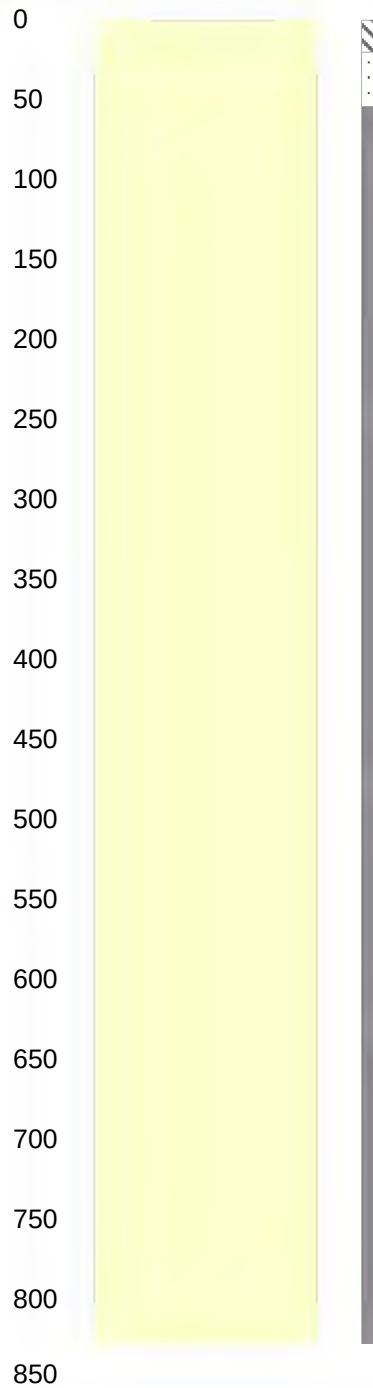
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-01



Cement
(0 to 20 ft.)

Bentonite Chips
3/8 in.
(20 to 54 ft.)

Grout
(54 to 825 ft.)

VWP A
Install Depth: (244 ft.)
Serial #: 1940052

VWP B
Install Depth: (474 ft.)
Serial #: 2107163

VWP C
Install Depth: (624 ft.)
Serial #: 2104880

VWP D
Install Depth: (814 ft.)
Serial #: 2110695

Total Depth
(825 ft.)

Lithology

Alluvium (Qca)

Note: All depths are in feet below ground surface

Location: Sarcobatus Flats
Northing (NAD27): 4099859.83
Easting (NAD27): 513702.03
Ground Surface Elevation (ft amsl): 4083.08
Drilling and Installation Date
From: 4/25/2021
To: 4/28/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

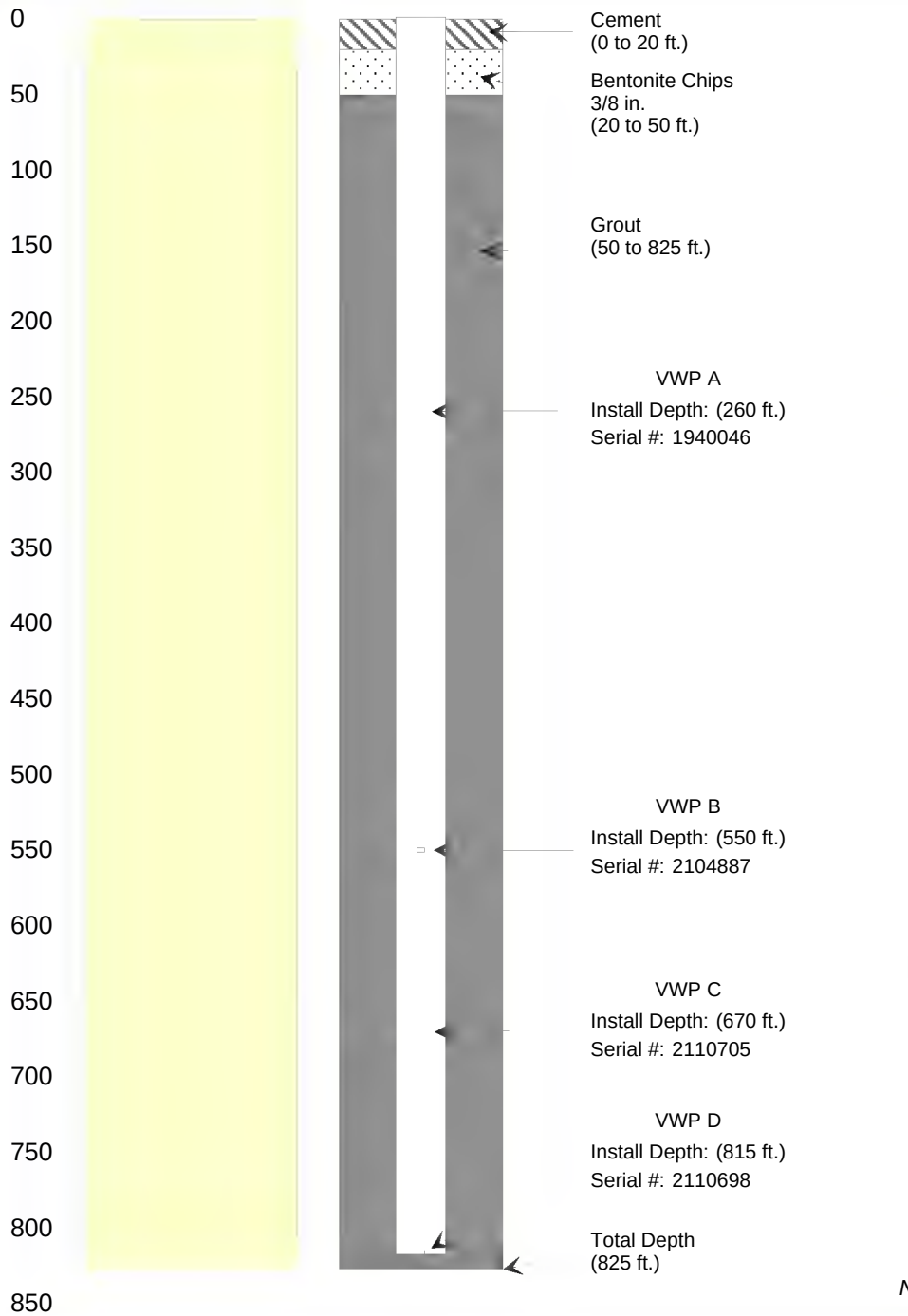
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-02



Lithology

Alluvium (Qca)

Note: All depths are in feet below ground surface

Location: Sarcobatus Flats
Northing (NAD27): 4099469.30
Easting (NAD27): 514001.13
Ground Surface Elevation (ft. amsl): 4093.57
Drilling and Installation Date
From: 4/29/2021
To: 4/30/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

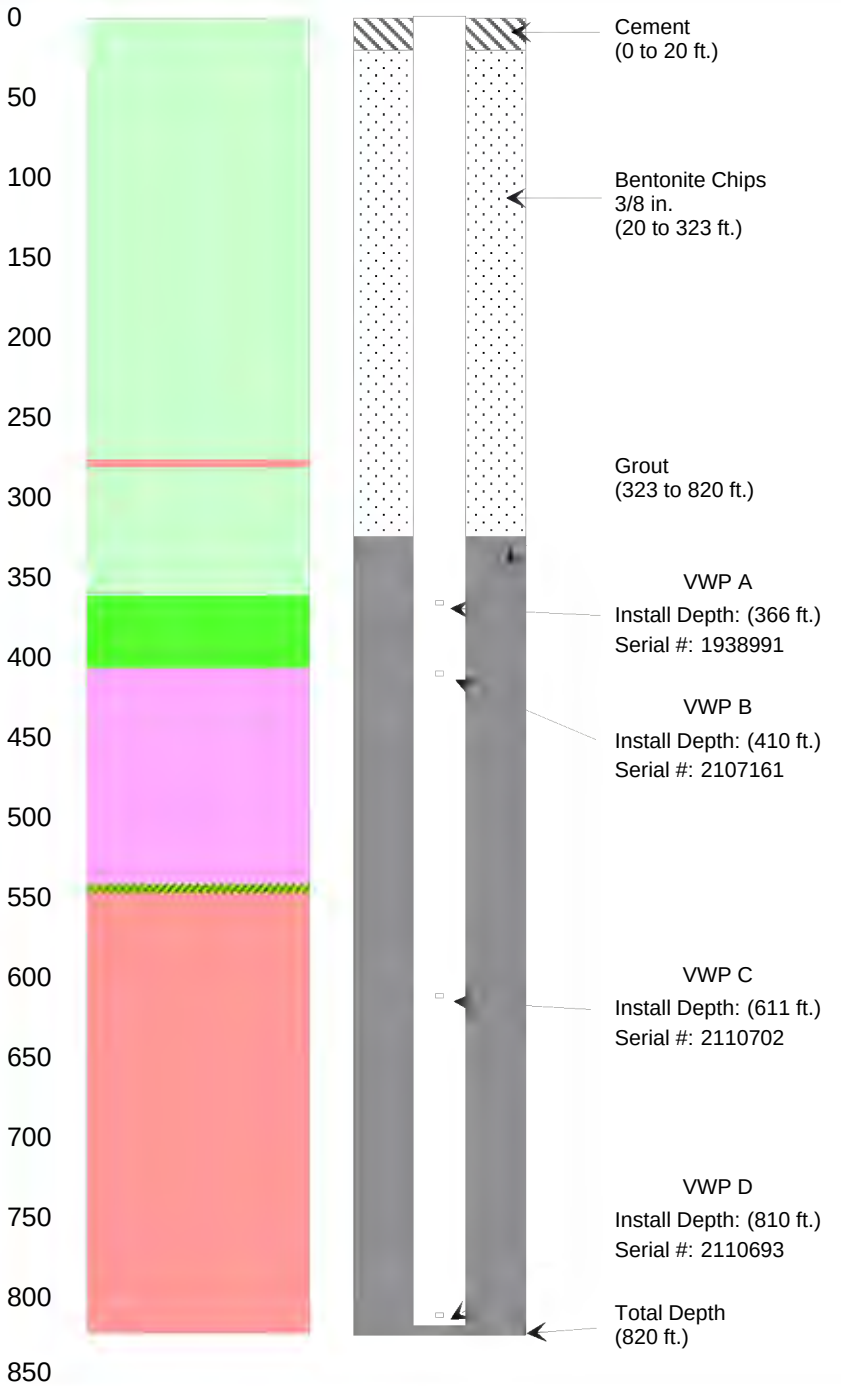
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-03



Lithology

- Savage Valley Dacite (Td)
- Savage Valley Dacite* (Tdl)
- Savage Valley Dacite** (Tdi)
- Sierra Blanca Tuff (Tsb)
- North Bullfrog Suite (Tnb)

* = Lower Mixed Clastic Member
** = Dacite Dike

Note: all depths are in feet below ground surface

Location: North Sierra Blanca
Northing (NAD27): 4098563.52
Easting (NAD27): 517962.24
Ground Surface Elevation (ft. amsl): 4185.72
Drilling and Installation Date
From: 4/12/2021
To: 4/24/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

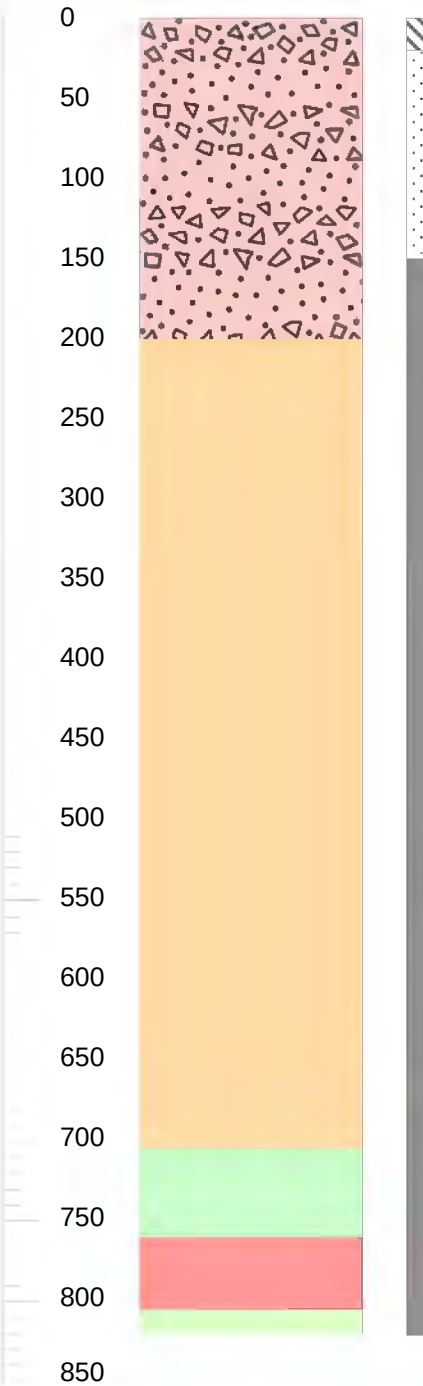
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-04



Cement
(0 to 20 ft.)

Bentonite Chips
3/8 in.
(20 to 50 ft.)

Grout
(50 to 820 ft.)

VWP A
Install Depth: (354 ft.)
Serial #: 1939008

VWP B
Install Depth: (532 ft.)
Serial #: 2107159

VWP C
Install Depth: (665 ft.)
Serial #: 2110703

VWP D
Install Depth: (811 ft.)
Serial #: 2110699

Total Depth
(820 ft.)

Lithology

- Rainbow Mountain Debris Flows^ (Tdf)
- Lithic Ridge Tuff (Tlr)
- Savage Valley Dacite (Td)
- North Bullfrog Suite (Tnb)
- Pioneer Formation (Tpf)

^ = multi-lithic

Note: all depths are in feet below ground surface

Location: North Sierra Blanca
Northing (NAD27): 4098701.83
Easting (NAD27): 518145.19
Ground Surface Elevation (ft. amsl): 4176.53
Drilling and Installation Date
From: 4/10/2021
To: 4/11/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

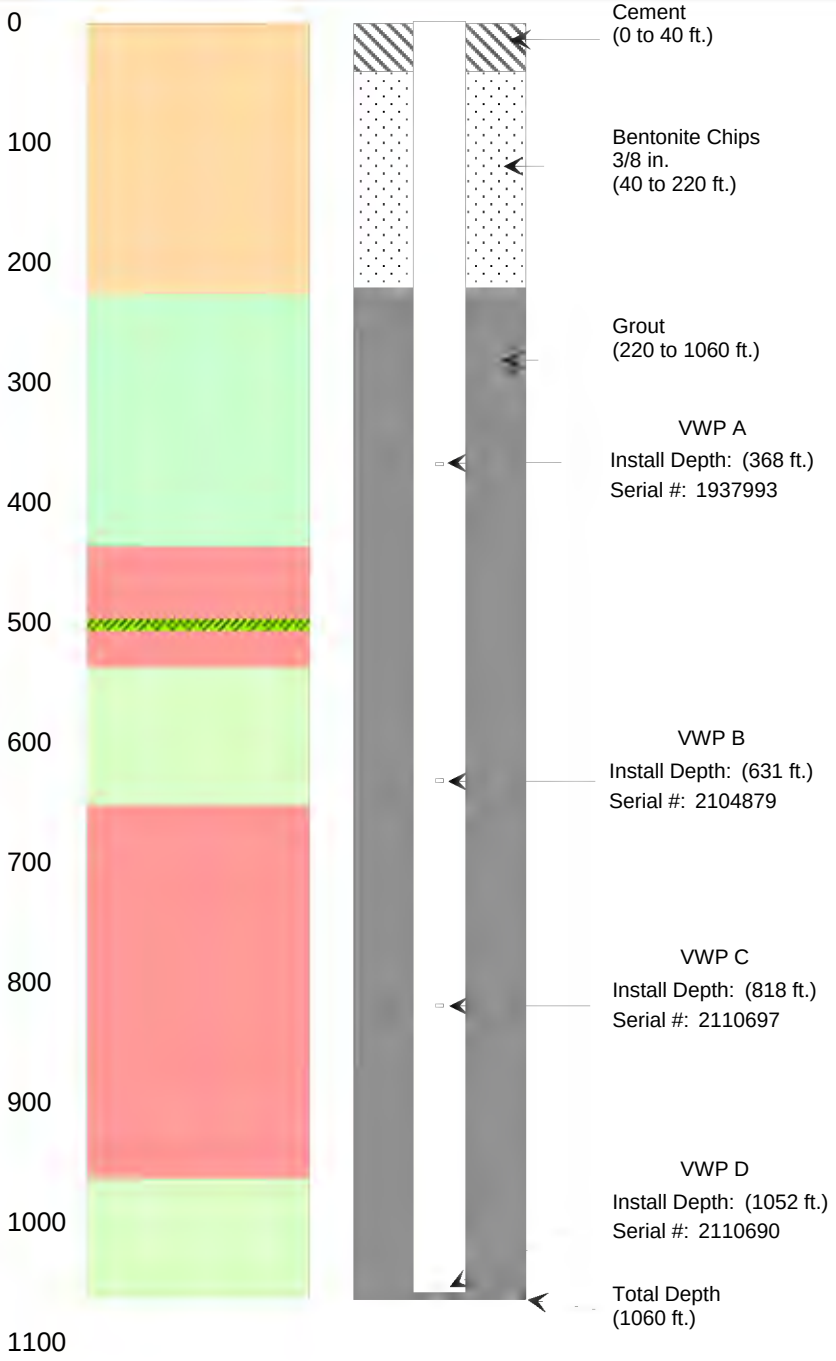
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

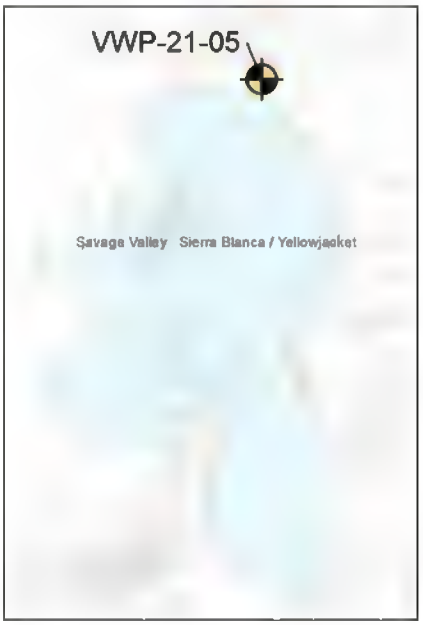
ID: VWP-21-05



Lithology

- Lithic Ridge Tuff (Tlr)
- Savage Valley Dacite (Td)
- North Bullfrog Suite (Tnb)
- Savage Valley Dacite** (Tdi)
- Pioneer Formation (Tpf)

** = Dacite Dike



Note: all depths are in feet below ground surface

Location: North Sierra Blanca
Northing (NAD27): 4098571.89
Easting (NAD27): 518163.04
Ground Surface Elevation (ft. amsl): 4169.36
Drilling and Installation Date
From: 4/4/2021
To: 4/9/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

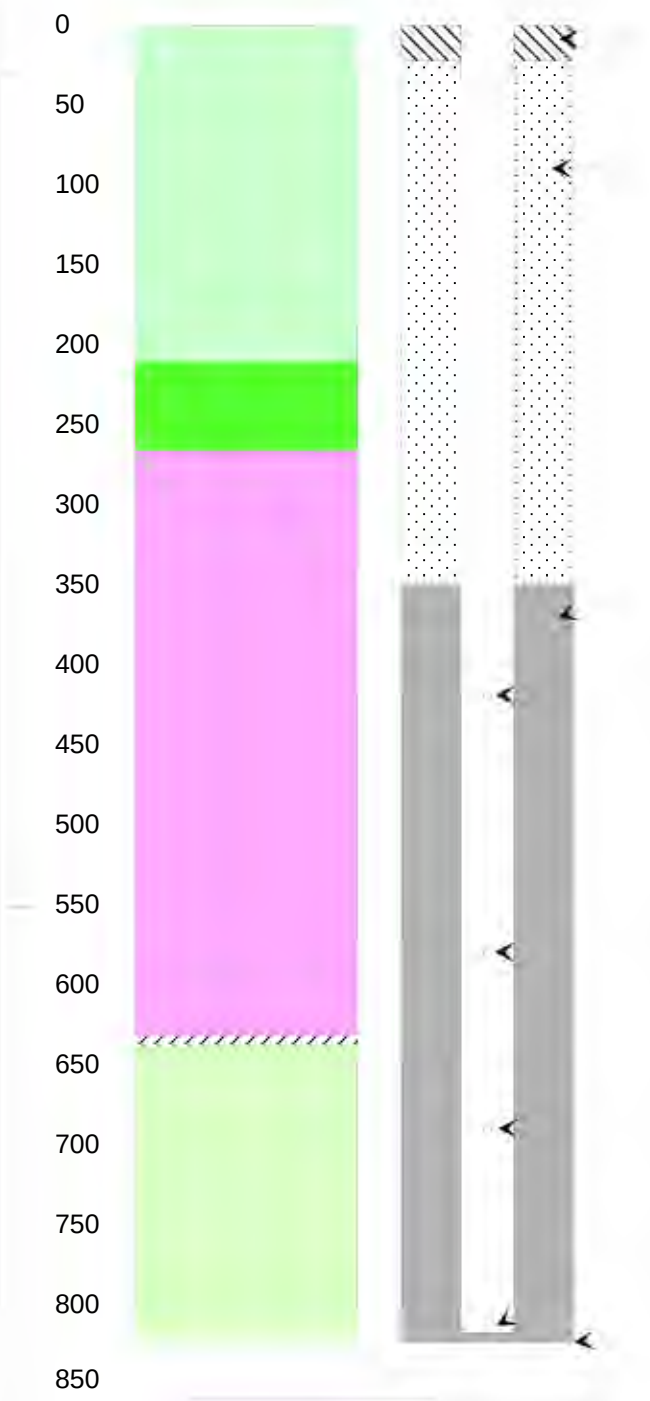
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-06



Cement
(0 to 22 ft.)

Bentonite Chips
3/8 in.
(22 to 345 ft.)

Grout
(345 to 820 ft.)

VWP A
Install Depth: (419 ft.)
Serial #: 2107165

VWP B
Install Depth: (579 ft.)
Serial #: 2104882

VWP C
Install Depth: (689 ft.)
Serial #: 2110701

VWP D
Install Depth: (814 ft.)
Serial #: 2110696

Total Depth
(820 ft.)

Lithology

- Savage Valley Dacite (Td)
- Savage Valley Dacite* (Tdl)
- Sierra Blanca Tuff (Tsb)
- Fault
- Pioneer Formation (Tpf)

* = Lower Mixed Clastic Member

Note: all depths are in feet below ground surface

Location: Sierra Blanca
Northing (NAD27): 4097949.17
Easting (NAD27): 518154.91
Ground Surface Elevation (ft. amsl): 4246.87
Drilling and Installation Date
From: 3/21/2021
To: 3/31/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

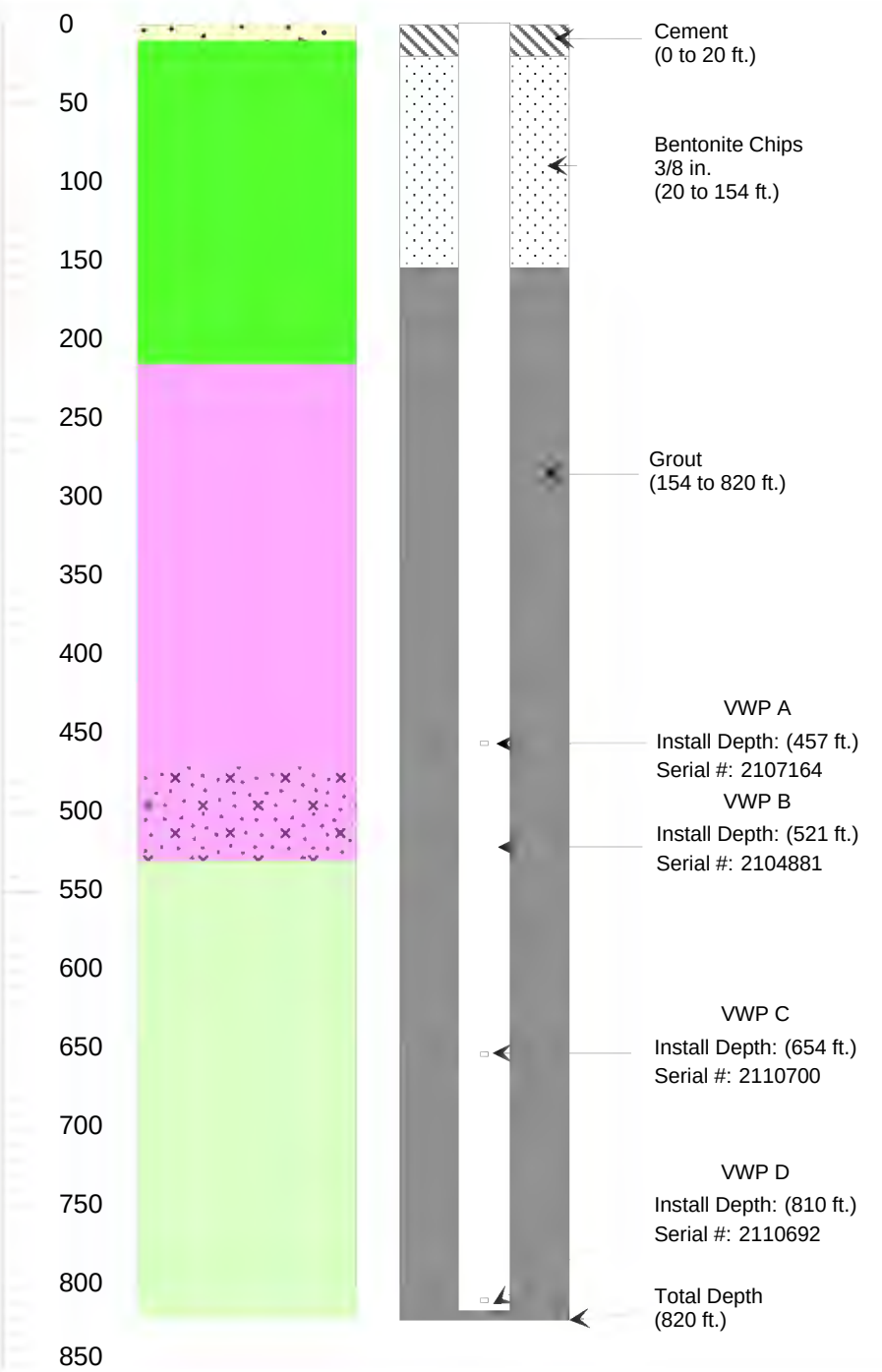
HydroGeoLogica

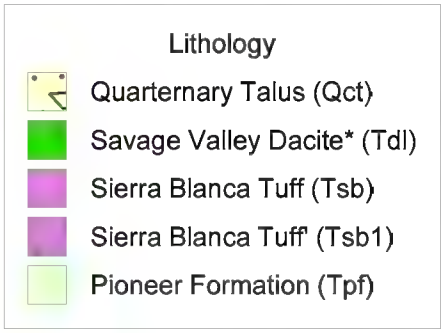
Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-07





* = Lower Mixed Clastic Member
' = Basal Layer

Note: All depths are in feet below ground surface

Location: East Sierra Blanca
Northing (NAD27): 4097502.75
Easting (NAD27): 518203.12
Ground Surface Elevation (ft. amsl): 4266.88
Drilling and Installation Date
From: 4/1/2021
To: 4/3/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

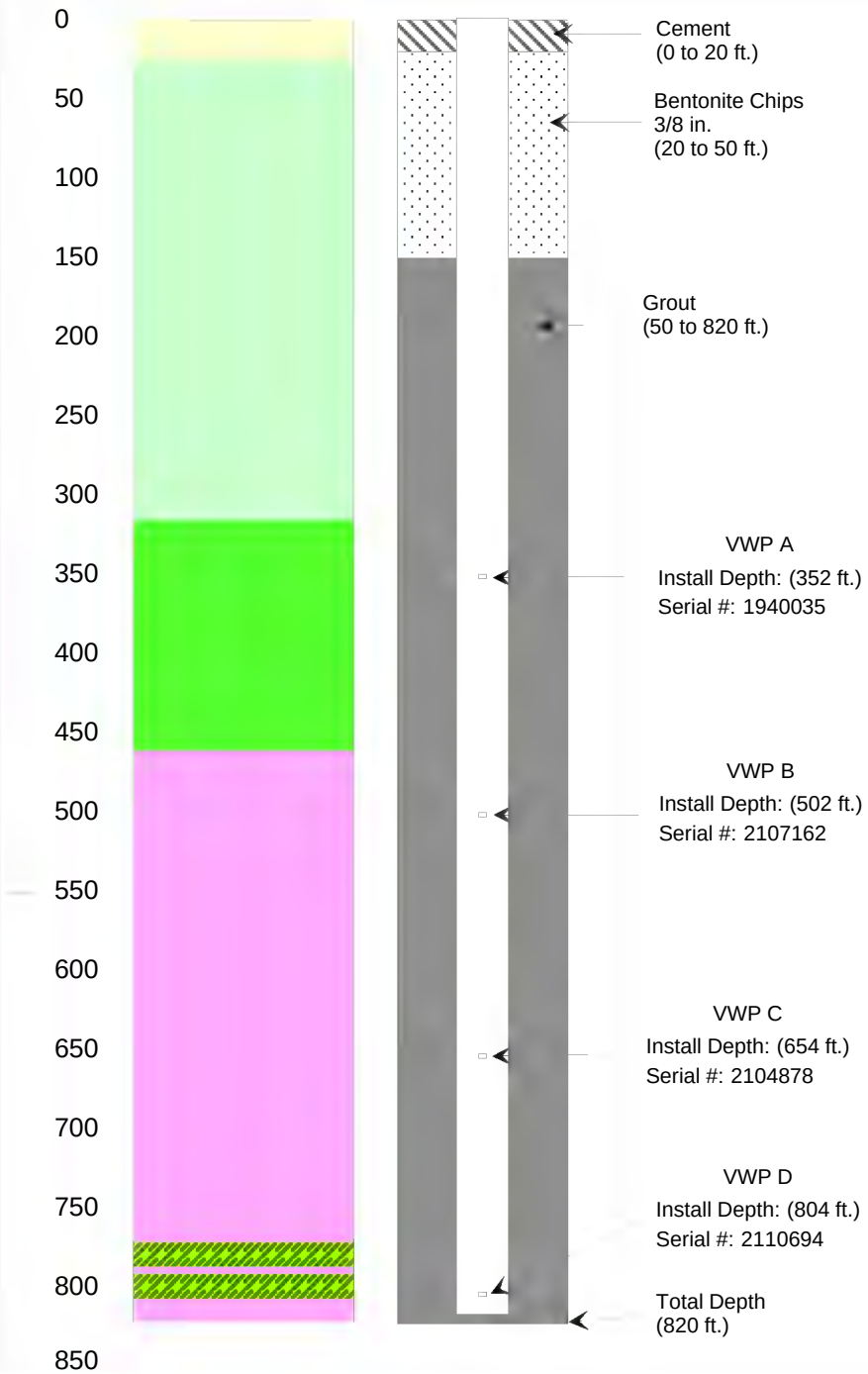
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-08



Lithology

- Alluvium (Qca)
- Savage Valley Dacite (Td)
- Savage Valley Dacite* (Tdl)
- Savage Valley Dacite** (Tdi)
- Sierra Blanca Tuff (Tsb)

* = Lower Mixed Clastic Member
** = Dacite Dike

Note: All depths are in feet below ground surface

Location: East Sierra Blanca
Northing (NAD27): 4097356.35
Easting (NAD27): 518401.02
Ground Surface Elevation (ft. amsl): 4191.89
Drilling and Installation Date
From: 3/17/2021
To: 3/21/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

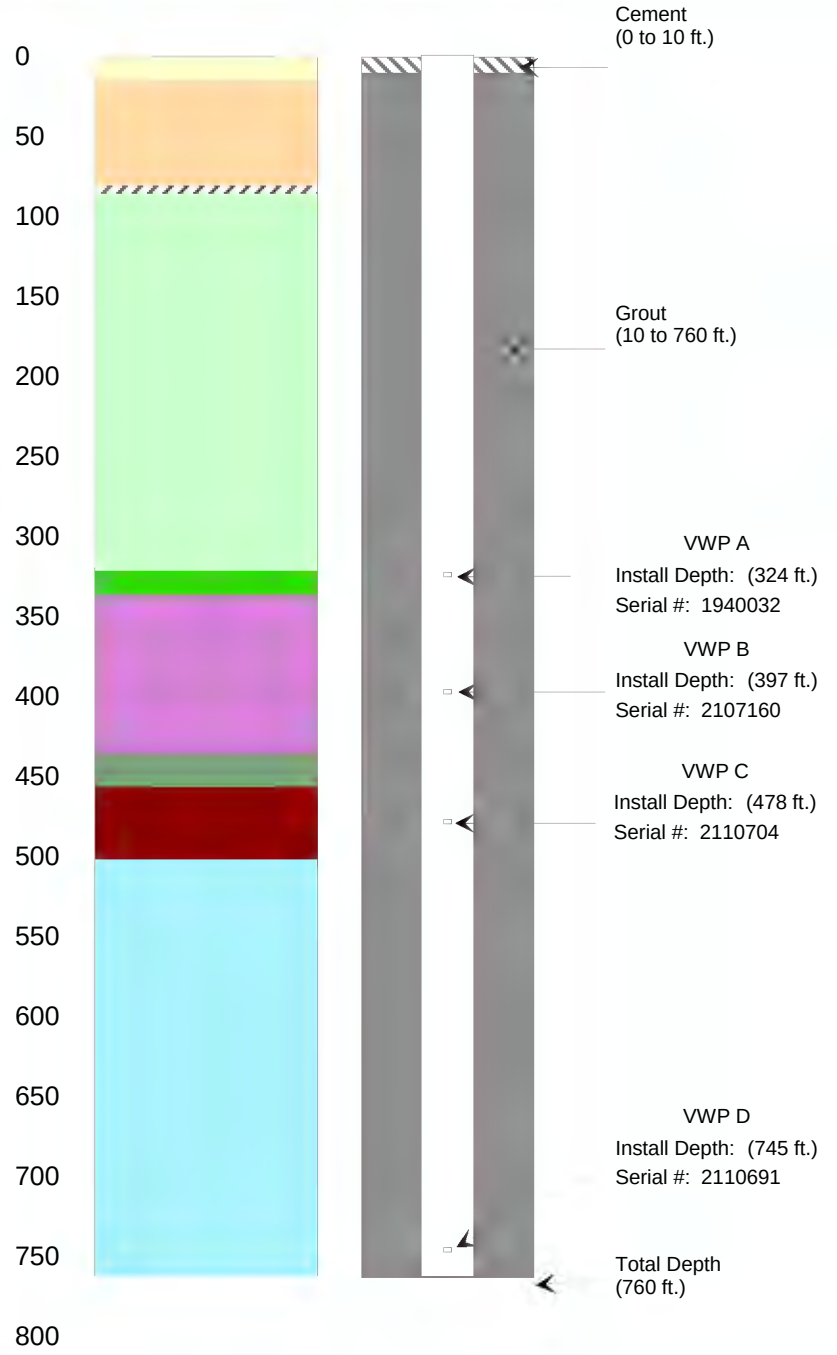
HydroGeoLogica

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

Client: Corvus Gold, Inc.

ID: VWP-21-09



` = Hematic Sediments
* = Lower Mixed Clastic Member

Note: All depths are in feet below ground surface

Location: North Jolly Jane
Northing (NAD27): 4096880.53
Easting (NAD27): 519227.98
Ground Surface Elevation (ft. amsl): 1269.33
Drilling and Installation Date
From: 3/13/2021
To: 3/16/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

8 APPENDIX B – NBP MONITORING WELL COMPLETION INFORMATION FOR WATER QUALITY SAMPLING (NB-WW-02, -03, -04, -05, -06, -07,-08.-09,-10,-11 AND -12)

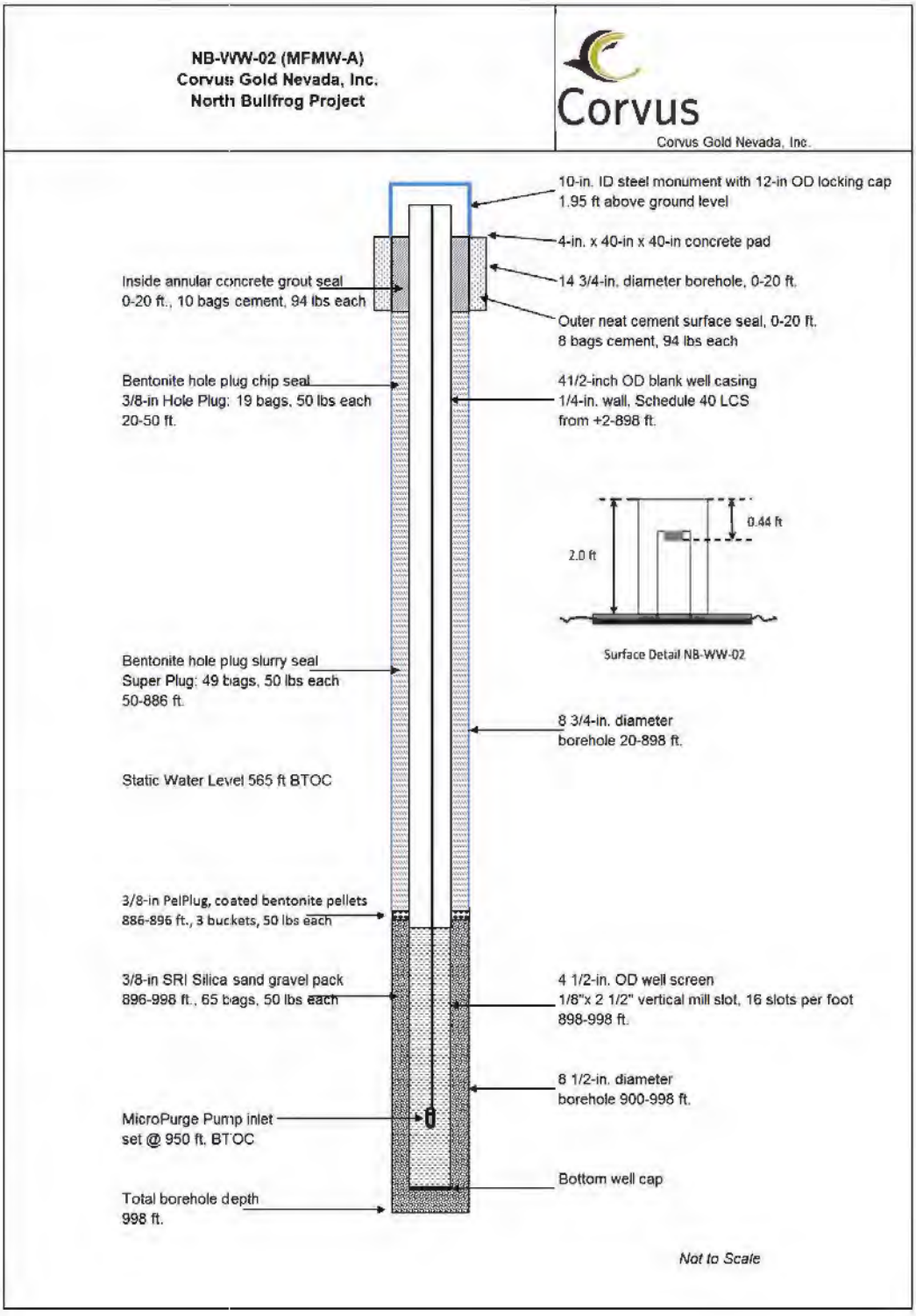


Figure 8-1 Completion Diagram for NB-WW-02

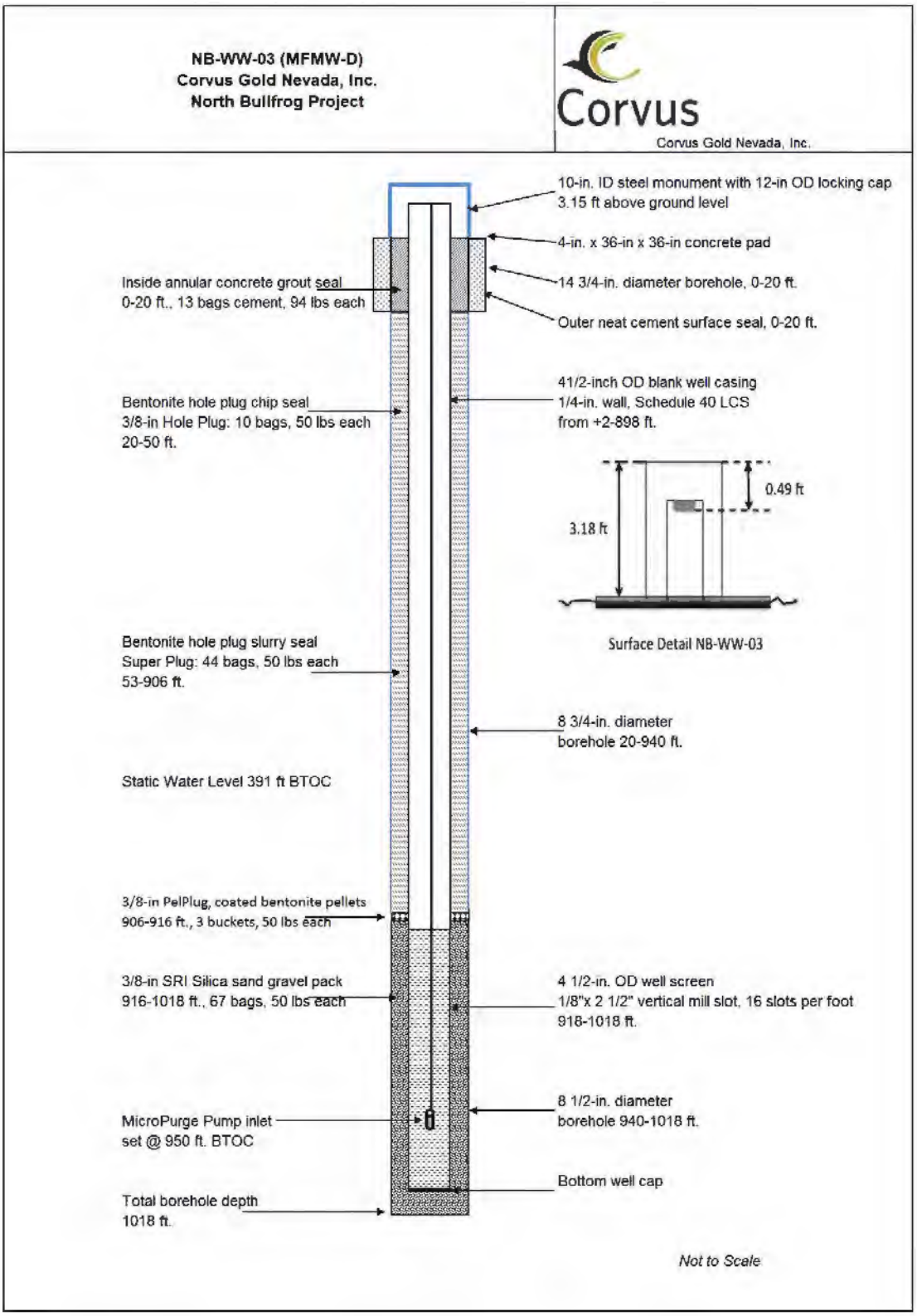


Figure 8-2 Completion Diagram for NB-WW-03

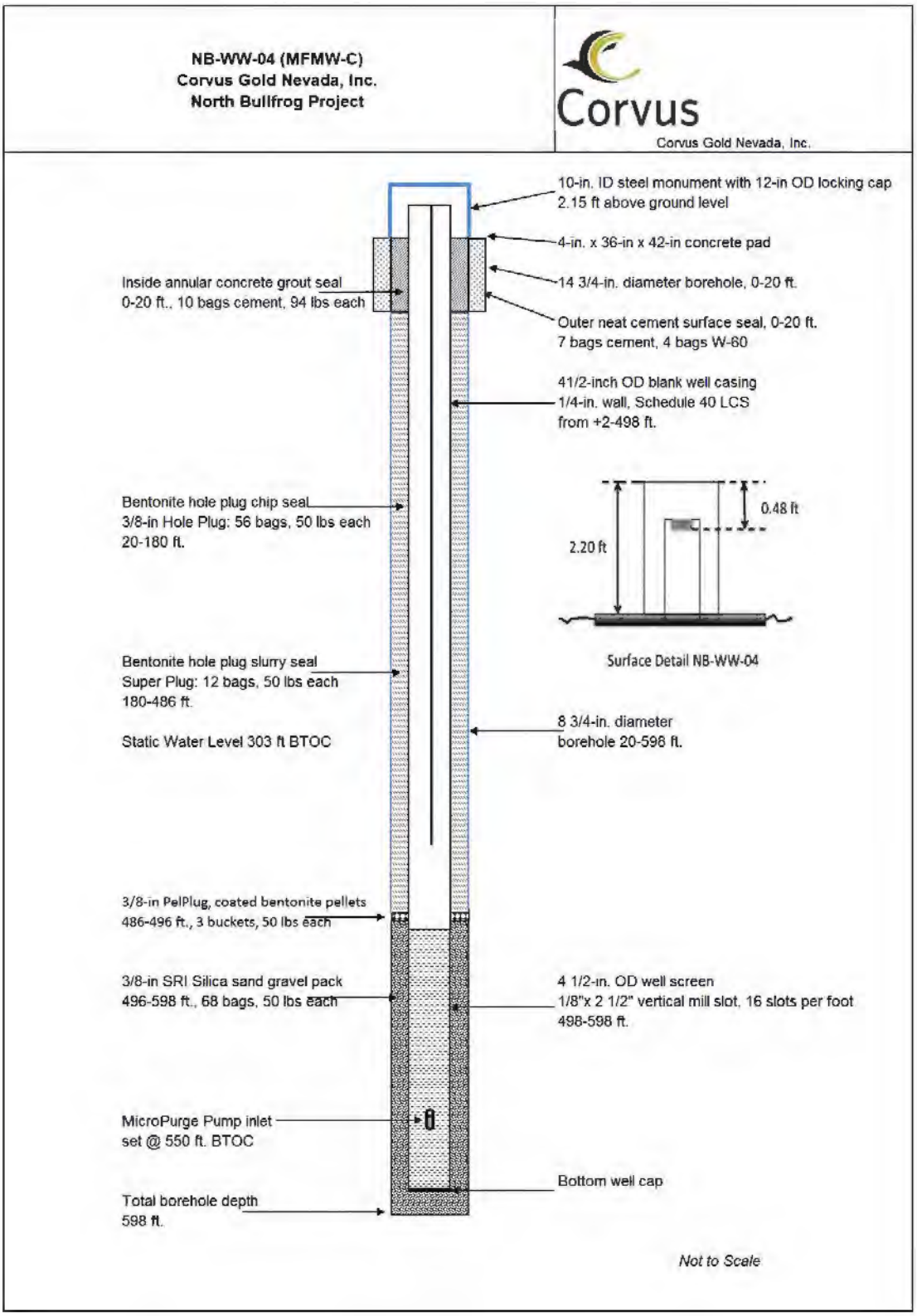


Figure 8-3 Completion Diagram for NB-WW-04

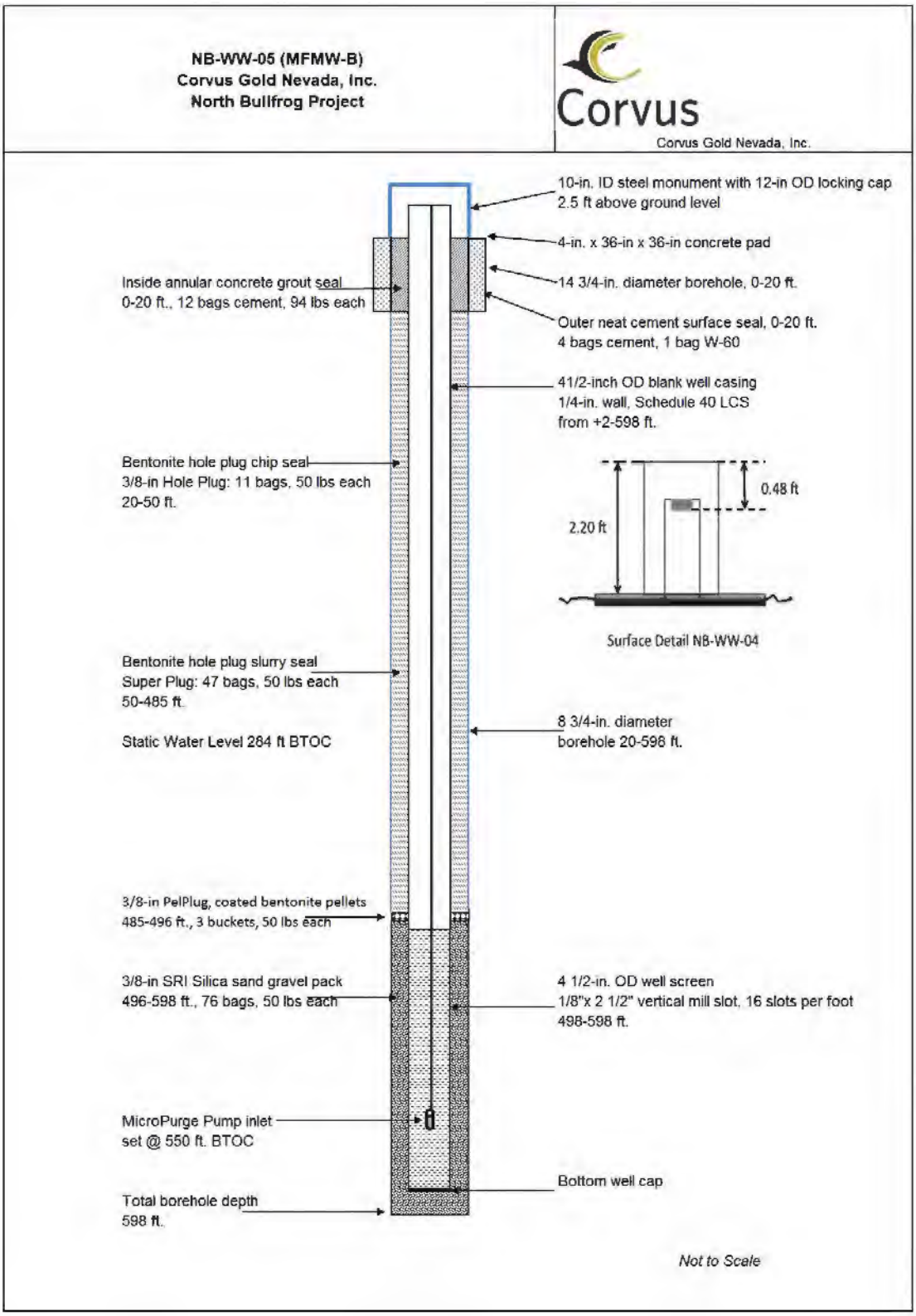


Figure 8-4 Completion Diagram for NB-WW-05

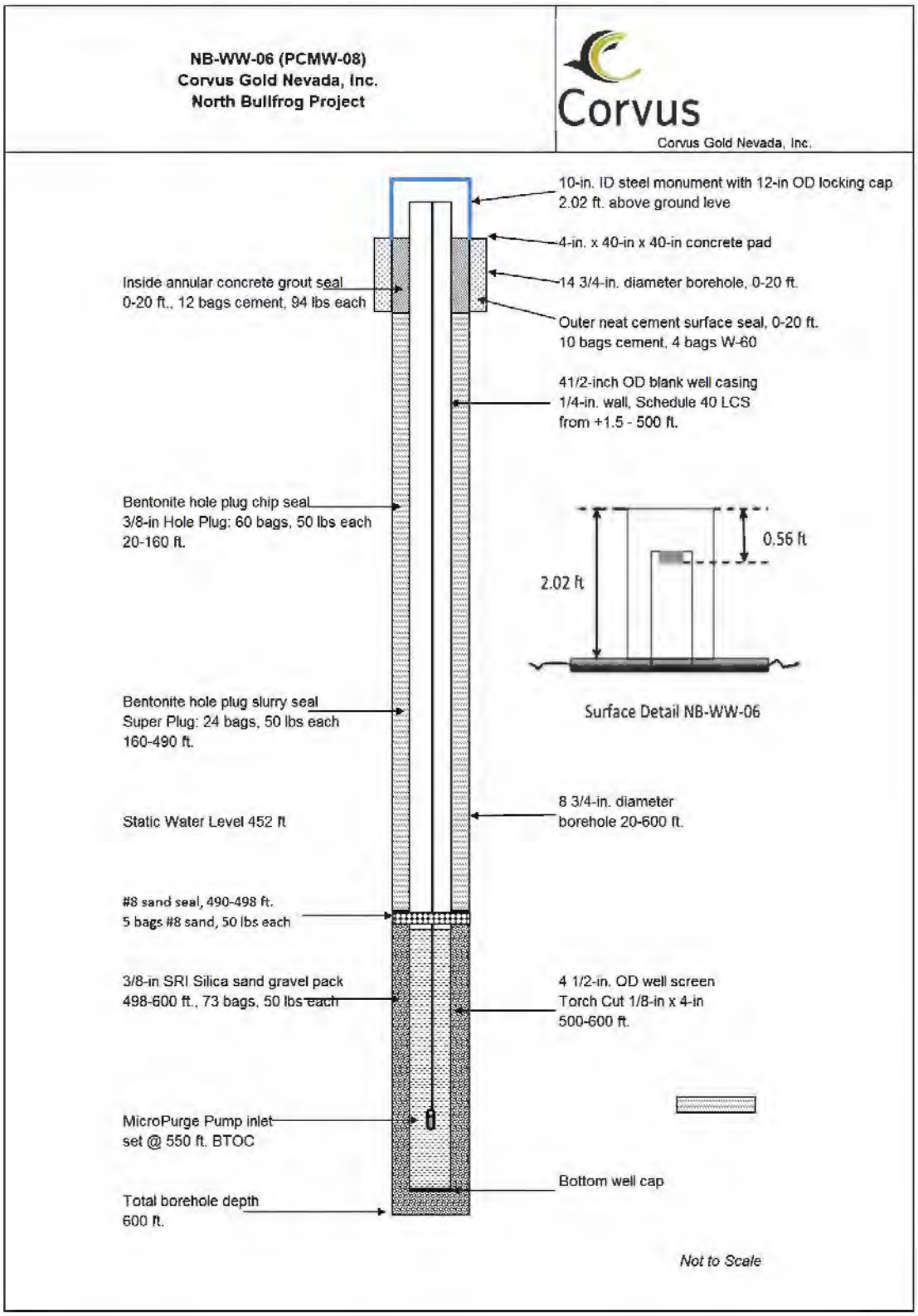


Figure 8-5 Completion Diagram for NB-WW-06

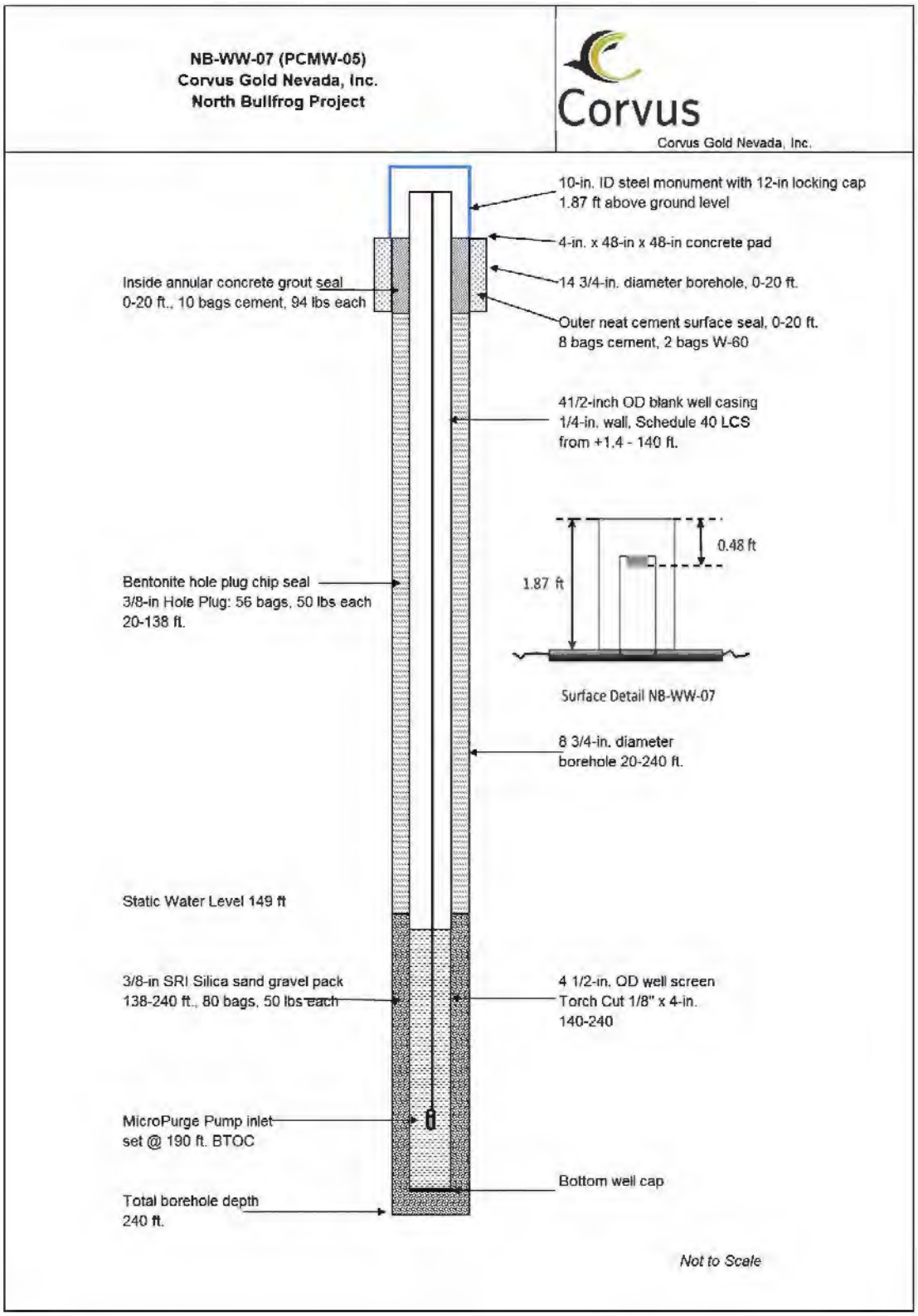


Figure 8-6 Completion Diagram for NB-WW-07

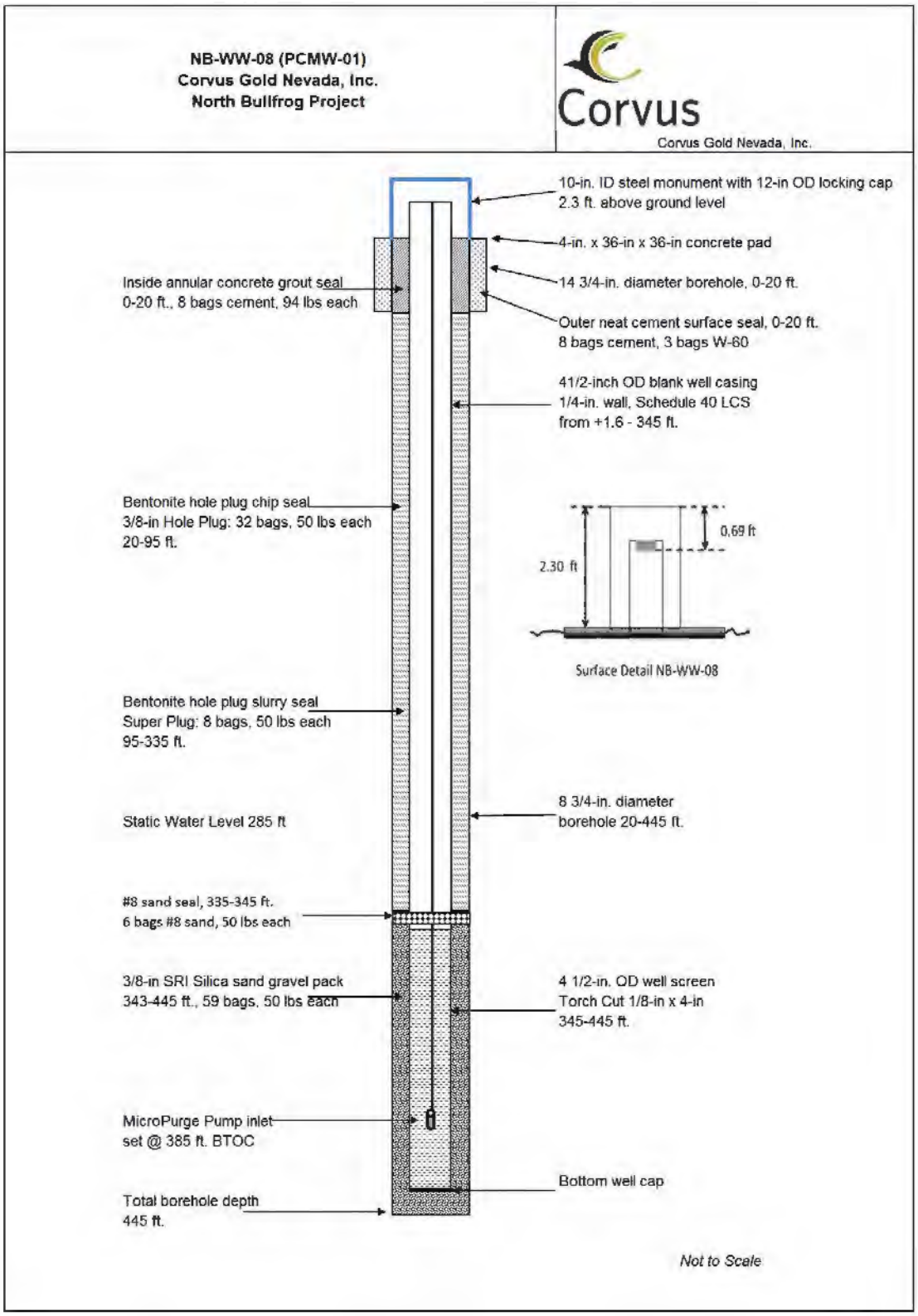


Figure 8-7 Completion diagram for NB-WW-08

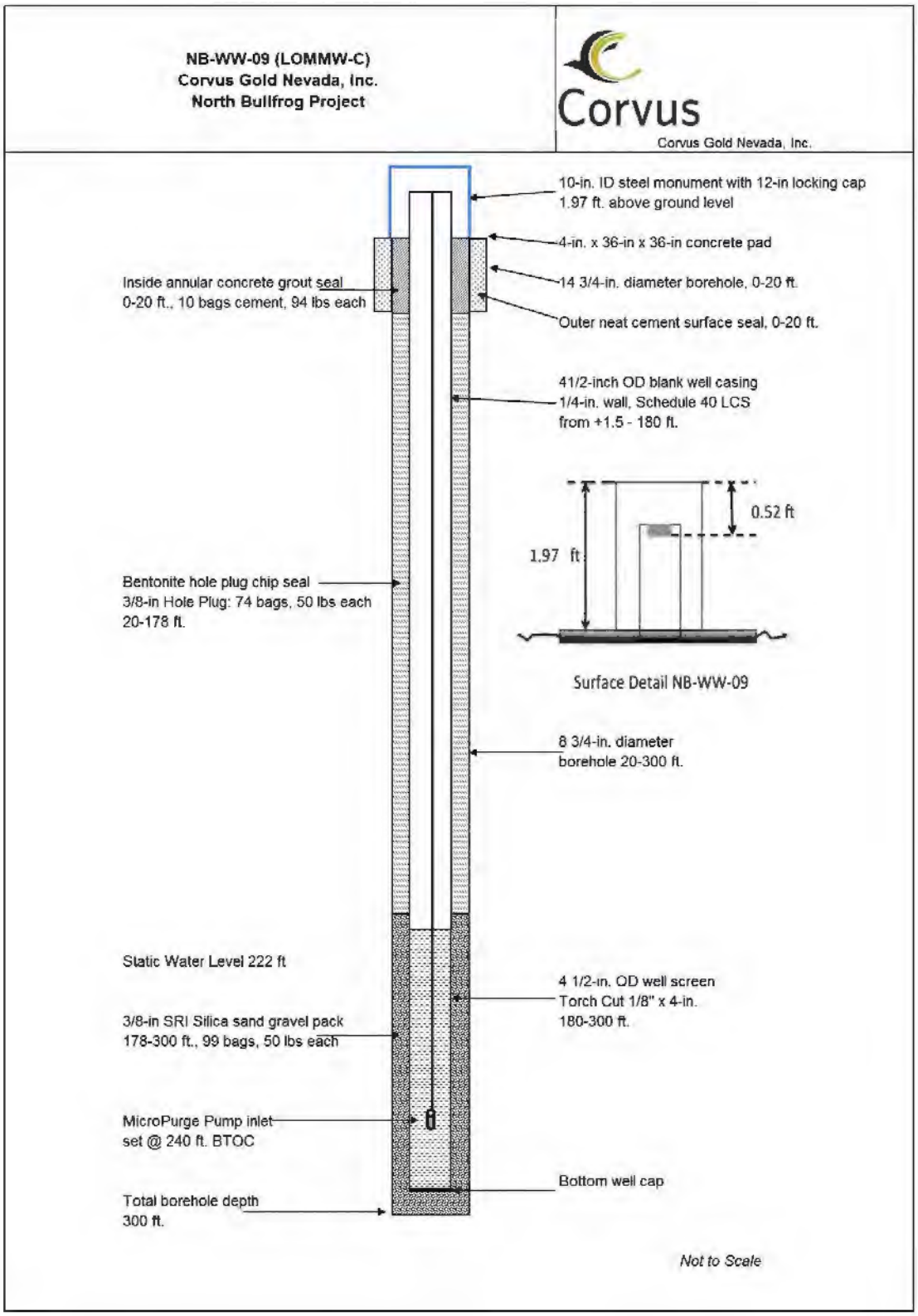


Figure 8-8 Completion Diagram for NB-WW-09

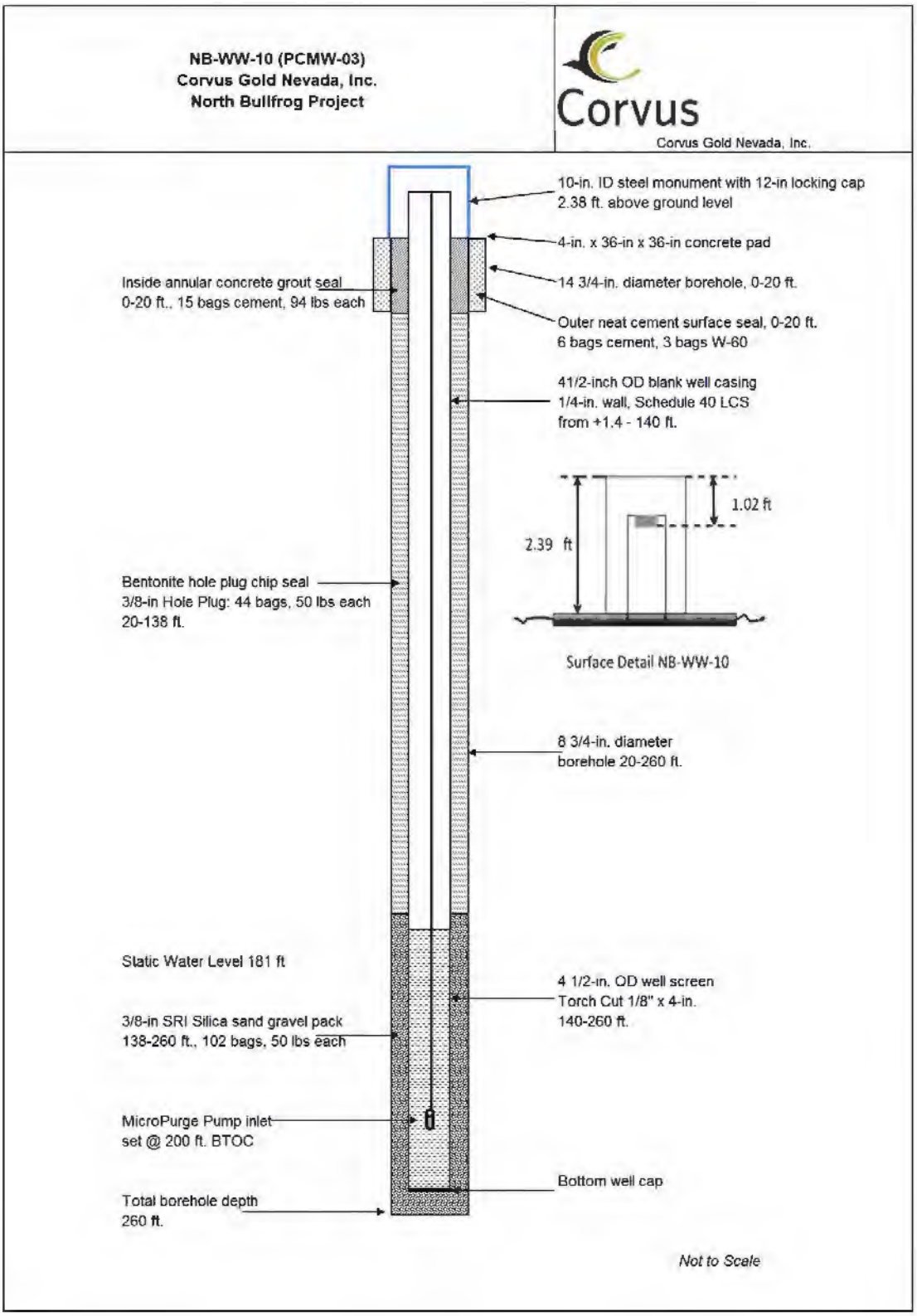


Figure 8-9 Completion Diagram for NB-WW-10

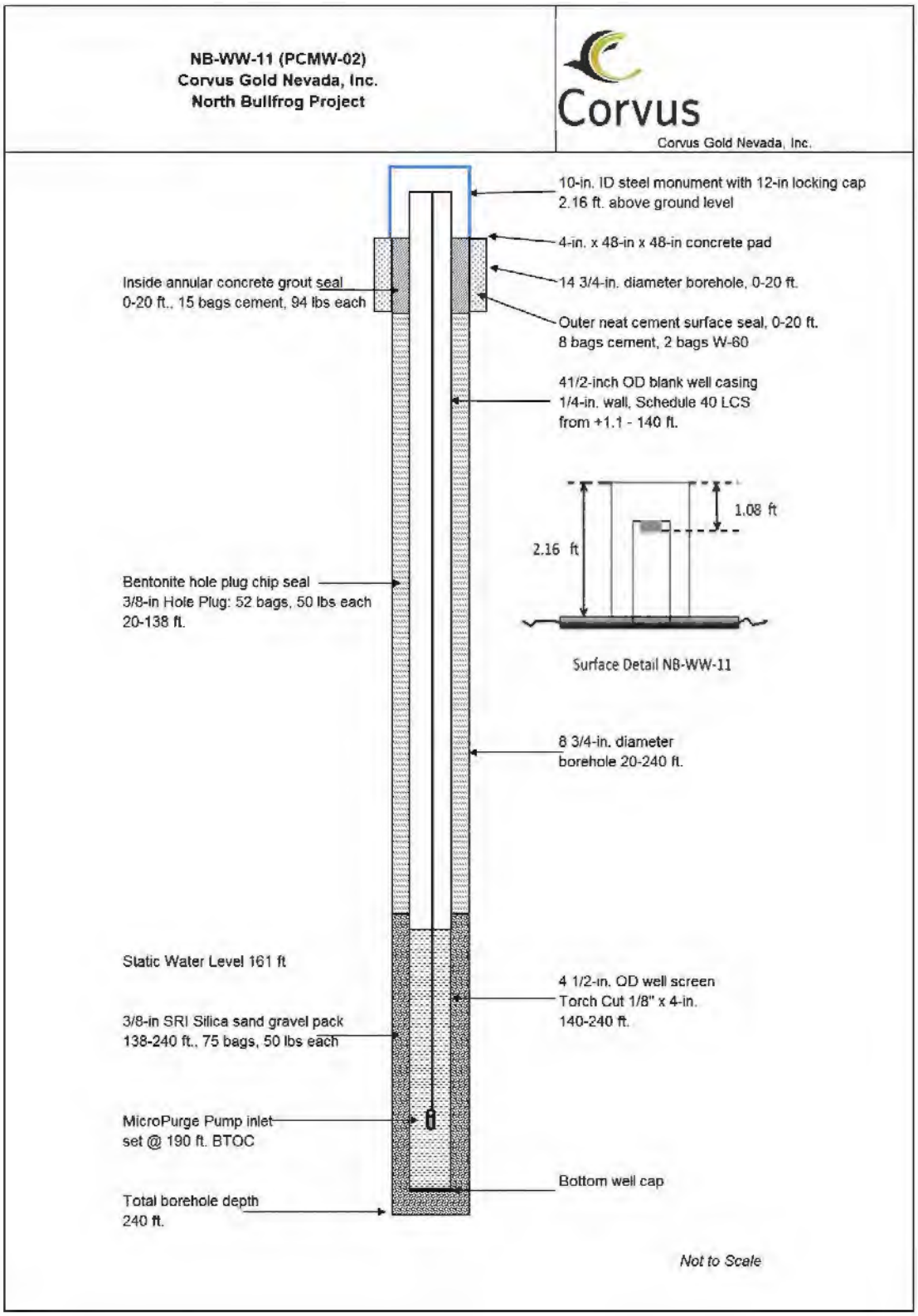


Figure 8-10 Completion Diagram for NB-WW-11

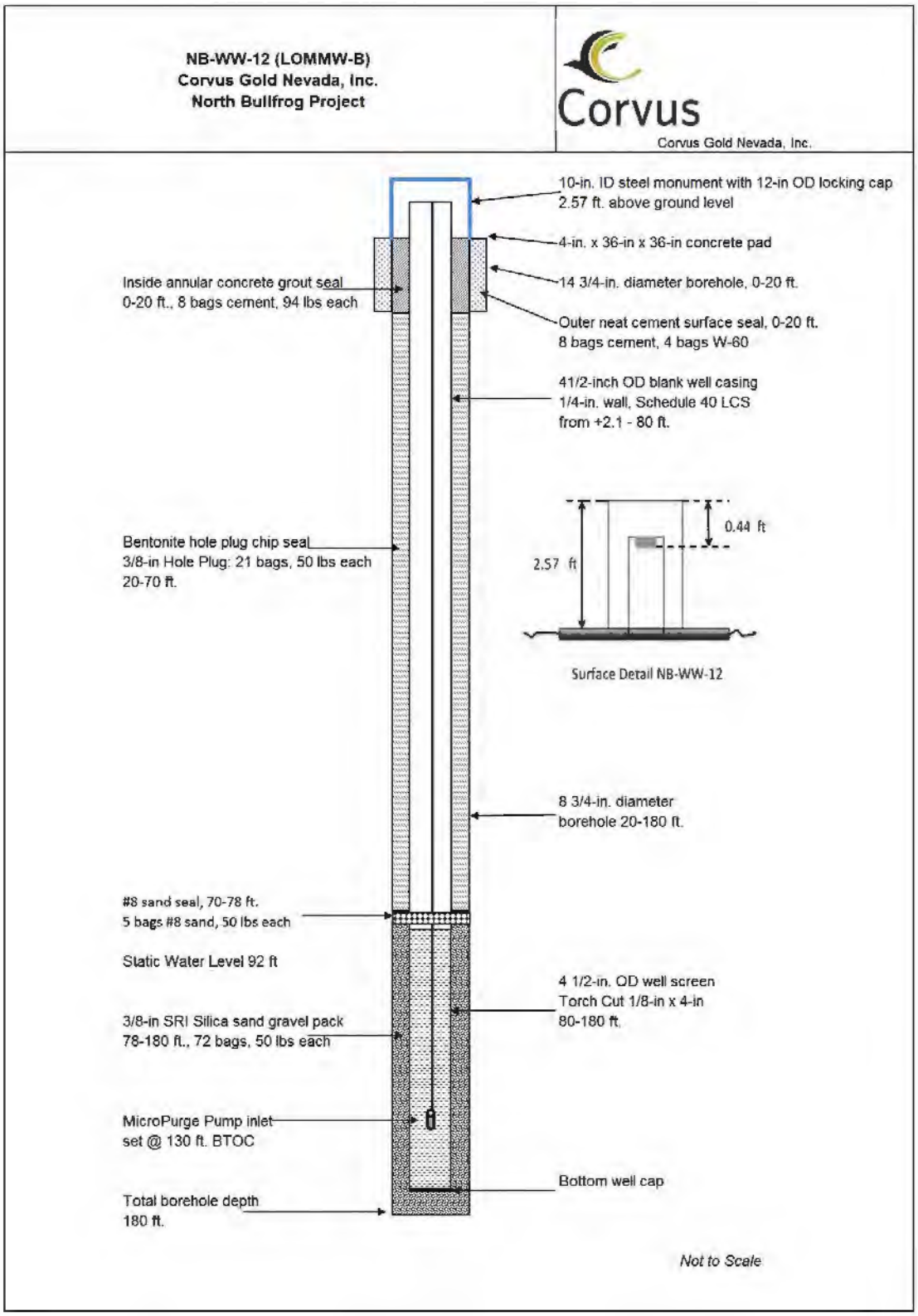


Figure 8-11 Completion Diagram for NB-WW-12

WHITE–DIVISION OF WATER RESOURCES
CANARY–CLIENT'S COPY
PINK–WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety

In Book

OFFICE USE ONLY
Log No. 31029
Permit No. ~~52044~~ 52045
Basin 228

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. 1712

1. OWNER Beatty Power & Water
MAILING ADDRESS Beatty Nevada
ADDRESS AT WELL LOCATION SAME

2. LOCATION SE ¼ NW ¼ Sec. 2 T. 12 N(S) R. 46 E. NYE County
PERMIT NO. 52045 (Issued by Water Resources) | Parcel No. | Subdivision Name

3. TYPE OF WORK
New Well [X] Recondition [ ]
Deepen [ ] Other [ ]

4. PROPOSED USE
Domestic [ ] Irrigation [ ] Test [ ]
Municipal [X] Industrial [ ] Stock [ ]

5. TYPE WELL
Cable [ ] Rotary [X]
Other [ ]

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Cemented Gravel		0	40	40
Alluvium		40	70	30
Red Clay		70	120	50
Tuff Gray	X	120	270	150
Welded Tuff	X	270	320	50
Fractured Tuff	X	320	700	380

RECEIVED
JAN 17 1989
Div. of Water Resources
Branch Office - Las Vegas, NV

Date started 12-20, 1988
Date completed 1-15, 1989

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
Air Lift	225	179	7

BAILER TEST

G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours

8. WELL CONSTRUCTION

Diameter 15" inches Total depth 700 feet
..... inches
..... inches
Casing record 10¾
Weight per foot ..... Thickness .250

Diameter	From	To
10¾ inches	+1 feet	700 feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet

Surface seal: Yes [X] No [ ] Type Cement
Depth of seal 0-65 feet
Gravel packed: Yes [X] No [ ]
Gravel packed from 65 feet to 700 feet
Perforations: Johnson Screen HICAP/100 SLOT
Type perforation Factory Cut
Size perforation ⅛ x 20 Row
From 240 feet to 700 feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL

Static water level 130 feet below land surface
Flow 400 G.P.M. P.S.I.
Water temperature ..... °F Quality .....

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Water Well Services (Contractor)
Address 3365 W. Patrick Lane, Las Vegas NV. (Contractor)
Nevada contractor's license number issued by the State Contractor's Board 0022311
Nevada contractor's driller's number issued by the Division of Water Resources 694
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1559
Signed Bobby F. Wood (By driller performing actual drilling on site or contractor)
Date 1-15-89

(Rev. 11-85) USE ADDITIONAL SHEETS IF NECESSARY (O)-627

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115834
Permit No. 38126
Basin

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form it its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 68659

1. OWNER Beatty Water & Sanitation
MAILING ADDRESS P.O. Box 99, Beatty, NV 89003

ADDRESS AT WELL LOCATION 3.7 Miles NW of Beatty

2. LOCATION SW¼ NW ¼ Sec 26 T 11S N/S R 46 E
PERMIT/WAIVER No. 38126 *Issued by Water Resources* Parcel No.

Latitude 36.951516 Longitude 116.804173
UTM E N ☐ NAD 27 ☐ NAD 83/WGS 84
Subdivision Name: County Nye

3 WORKED PERFORMED: ☐ New Well ☐ Replace ☐ Recondition ☑ Deepen ☐ Other...

4. PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ Test ☑ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE: ☐ Cable ☑ Rotary ☐ RVC ☐ Air ☐ Other...

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Non Native Gravel (old well)		0	695	695
Latite		695	735	40
Latite, fractured		735	745	10
Latite and Clay		745	765	20
Latite		765	790	25
Clay		790	800	10
Latite		800	855	55
Latite, fractured		855	865	10
Latite and Clay		865	900	35
Latite		900	950	50
Latite, fractured		950	975	25
Latite and Clay		975	1010	35
Latite		1010	1040	30
Latite, fractured		1040	1055	15
Latite		1055	1205	150

DCNR/DWR
RECEIVED
JUN 25 2012
LAS VEGAS OFFICE

Date started 3-Apr , 20 12
Date completed 25-Apr , 20 12

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
99	312	3

STATE ENGINEERS OFFICE
2012 JUN 14 AM 10:54
RECEIVED

8. WELL CONSTRUCTION
Depth Drilled 1205 Feet Depth Cased 1200 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
20	Inches	0	Feet	40	Feet
14-3/4	Inches	40	Feet	1205	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	62.58	.375	0	40
8.625	22.36	.250	+2	1200

Perforations:
Type of perforation: Full Flo Louvered
Size of perforation: 0.08

From 470	feet to	560	feet
From 600	feet to	760	feet
From 780	feet to	920	feet
From 940	feet to	1180	feet
From	feet to		feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 192'
Placement Method: ☑ Pumped ☐ Poured
Gravel Packed: ☑ Yes ☐ No From 202 feet to 1205 feet
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout

9. WATER LEVEL
Static water level 146 feet below land surface
Artesian flow G P M P.S.I
Water temperature 84 °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Boart Longyear Drilling (Contractor)
Address 2745 W. California Ave (Contractor)
Salt Lake City, UT 84104
Nevada contractor's license number issued by the *State Contractor's Board* 021976
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2386
Signed Scott Krug (By driller performing actual drilling on site or contractor)
Date 5-23-12

(Rev 06/10) USE ADDITIONAL SHEETS IF NECESSARY

36.951572
116.803278 - NAD 27

SE/4, SE/4, Sec. 24, T10S, R47E

WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

PRINT OR TYPE ONLY
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STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY
Log No. 69873
Permit No.
Basin 228

NOTICE OF INTENT NO. 15724

1. OWNER U.S. Geological Survey
MAILING ADDRESS 333 W. Nye Ln
Carson City NV 89706
ADDRESS AT WELL LOCATION ER-OE-85
Springdale

2. LOCATION SW ¼ NW ¼ Sec. 30 T. 10 N/S R. 47 E Nye County
PERMIT NO. n/a (Issued by Water Resources) Parcel No. n/a Subdivision Name n/a

3. WORK PERFORMED: ☑ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Abandon ☐ Other
4. PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☑ Monitor ☐ Stock
5. WELL TYPE: ☐ Cable ☑ Rotary ☐ RVC ☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Clayey sandy gravels unconsolidated	*	0	90	90
Consolidated sandy clayey gravels less than 10% Rock	*	90	200	110

8. WELL CONSTRUCTION

Depth Drilled 200 Feet Depth Cased 200 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6 3/4 Inches	0 Feet	200 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.5	PVC	Sch 80	0	170
2.5	PVC	Sch 80	190	200

Perforations:
Type perforation slot
Size perforation .020
From 170 feet to 190 feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal
Placement Method: ☑ Pumped ☐ Poured
Seal Type: ☐ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☐ Yes ☐ No
From ____ feet to ____ feet

9. WATER LEVEL

Static water level 35.50 feet below land surface
Artesian flow G.P.M. P.S.I.
Water temperature °F Quality

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Armand R. Robles (Driller's License #1859) Contractor
Address 333 W. Nye Ln Contractor
Carson City NV 89706
Nevada contractor's license number issued by the State Contractor's Board
Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP1859
Signed 1 Sept 97 By driller performing actual drilling on-site or contractor
Date

Date started 1 Aug, 1997
Date completed 2 Aug, 1997

7. WELL TEST DATA

TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY KC (O)-627

Desiree Brantley

To: Reiner, Steven
Cc: Jeff Sanders
Subject: RE: Township and range errors found in well driller's reports

Yep, will do!

From: Reiner, Steven [mailto:srreiner@usgs.gov]
Sent: Monday, November 14, 2016 1:44 PM
To: Desiree Brantley
Cc: Jeff Sanders; Steven Reiner
Subject: Township and range errors found in well driller's reports

HI Desiree,

When looking over some well files, I noted errors in the legal description in the well driller's reports of three wells installed by USGS in 1997.

I have attached the well driller's report for the three wells with legal description errors. At the top of each of these well driller's reports I have written the correct legal description.

Is it possible for you to change the legal descriptions of these wells so that future users of the NDWR well database can find them?

Thanks,

Steve

P.S. GO BAND!!!

--
Steve Reiner
United States Geological Survey
160 North Stephanie Street
Henderson, NV 89074
(702)564-4608

Appendix C

Example Field Forms

Measuring Point description:
Sounder:
Flow_Meter:
Transducer (serial no., gage factor)

ID: ____________________

Date________ Page ______
Project ______ Observer ______

Time		Flow Rate										Depth to Water								
		Flow Meter				Alternate Flow Meter				Manometer					Water Quality					
	t or t'	Totalizer		Rate (gpm)		Totalizer		Rate (gpm)		Height	Rate	Pressure	Sounder	Trans-ducer	Temp.	pH	E.C.	ORP	Imhoff	
HH:MM	(min)	(gallons)	Sec	calc.	inst.	(gallons)	Sec	calc.	inst.	(inches)	(gpm)	(psi)	(feet)	(feet)	(°C)	(SU)	(uS)	(mV)	(mL/L)	Comments

Page _____of_____

Date_____

Project No._____

Observer _____

MONITORING DATA SHEET

IDENTIFIER_____

Site Location_____

Type: ☐ PUMPED ☐ OBSERVATION ☐ MONITOR ☐ OTHER

Measuring Point_____

____ which is _____ ___ above/below land surface (Source:_____)

Measuring Point Elevation_____ __ amsl (Source:_____)

Total Well Depth_____ Depth to Pump Intake_____

Perforated Interval_____ Packer Depth_____

Initial Water Level / Data / Time_____

Diagram:

Date/Time		Remarks (Weather, Temperature, Sounder ID, etc.)

Page ________of___________

Date_______________________

Project No._________________

Observer __________________

MONITORING FIELD DATA SHEET

IDENTIFIER____

Date/Time		Remarks (Weather, Temperature, Sounder ID, etc.)

Page _____of_____

Date_____

Project No._____

Observer _____

FIELD NOTES

FIELD ACTIVITY_____

Date/Time	REMARKS

Corvus Gold Nevada Inc.

ATTACHMENT B

NDWR WELL LOGS:

B1: WW-21-02

B2: WW-21-03

B3: ER-OV-05

SE/4, SE/4, Sec. 24, T10S, R47E

WHITE--DIVISION OF WATER RESOURCES
CANARY--CLIENT'S COPY
PINK--WELL DRILLER'S COPY

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STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY
Log No. 69813
Permit No.
Basin 223

NOTICE OF INTENT NO. 15724

1. OWNER U.S. Geological Survey
MAILING ADDRESS 333 W. Nye Ln
Carson City NV 89706
ADDRESS AT WELL LOCATION ER-04-05
Springdale

2. LOCATION SW ¼ NW ¼ Sec. 30 T 10 N&R 47 E Nye County

PERMIT NO. n/a (Issued by Water Resources) | n/a (Parcel No.) | n/a (Subdivision Name)

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☒ Rotary ☐ RVC
☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Clayey sandy gravels unconsolidated	*	0	90	90
Consolidated sandy clayey gravels less than 10% thick	*	90	200	110

Date started 1 Aug, 1997
Date completed 2 Aug, 1997

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

8. WELL CONSTRUCTION
Depth Drilled 200 Feet Depth Cased 200 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6 3/4 Inches	0 Feet	200 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.5	PVC	Sch 80	0	170
2.5	PVC	Sch 80	190	200

Perforations:
Type perforation slot
Size perforation .020
From 170 feet to 190 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☐ Neat Cement ☐ Cement Grout ☐ Concrete Grout

Gravel Packed: ☐ Yes ☐ No
From feet to feet

9. WATER LEVEL
Static water level 35.50 feet below land surface
Artesian flow G.P.M. P.S.I.
Water temperature °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Armand R. Robles (Contractor / Driller)
Address 333 W. Nye Ln (Contractor)
Carson City NV 89706
Nevada contractor's license number issued by the State Contractor's Board
Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP1859
Signed 1 Sept 97 (By driller performing actual drilling on site or contractor)
Date

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY KC (O)-627

STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

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Permit No.
Basin No.

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Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. S2021-136
WELL NAME *(If applicable)*: WW-21-03

1. OWNER/CLIENT NAME: Corvus Gold Inc.
MAILING ADDRESS: 9088 S. Ridgeline Blvd, Ste. 103, Highlands Ranch, CO. 80129

DETAILED ADDRESS AT WELL LOCATION: Corvus Gold N. Bullfrog Project
11 miles NW of Beatty, NV.
Subdivision Name: *County:* Nye

2. PLS LOCATION: SW ¼ NE ¼ 35 Sec 10 N S 46 E
PERMIT/WAIVER NO.: W-2140 *Issued by Water Resources* *Current Parcel No.*

Latitude 37.02534N UTM E 518286 ☐ NAD 27
Longitude -116.79643W UTM N 4097696 ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Monitor
☐ Mining / Dewater ☐ Com / Ind ☐ Stock
☒ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☐ Rotary ☒ RVC
☐ Air ☒ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
savage valley dacite			0	240
rhyolite flow			240	280
dacitic tuff			280	295
rhyolite flow			295	345
dacitic tuff			345	390
alternating quartz and welded tuff			390	
and sierra blanca tuff				520

RECEIVED
2021 MAY 13 AM 11:52
STATE ENGINEER'S OFFICE

DCNR/DWR/SNBO
RECEIVED
MAY 05 2021

Date started: 7-Apr , 20 21
Date completed: 17-Apr , 20 21

9. *WELL CONSTRUCTION*
Depth Drilled: 520 Feet Depth Cased: 520 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
26	Inches	0	Feet	60	Feet
16	Inches	60	Feet	520	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
18	70.59	.375	0	60
8.625	22.36	.25	+1.5	520
2.375	3.65	.154	+1.5	510

ANNULAR MATERIALS
Sanitary Seal ☒ Yes ☐ No

☒ Neat Cement	0	to	357	☐ Pumped	☒ Poured
☐ Cement Grout		to		☐ Pumped	☐ Poured
☐ Concrete Grout		to		☐ Pumped	☐ Poured
☐ Bentonite Chips		to		☐ Pumped	☐ Poured
☒ Gravel Pack [> 0.2 in.]	362	to	520	☒ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	359	to	362	☒ Pumped	☐ Poured
☒ Other, explain:	357	to	359	☒ Pumped	☐ Poured

3/8 Bentonite pellets

PERFORATIONS:
Type of perforation: Louvers
Size of perforation: 0.09

From	Feet	To	Feet
370	Feet	510	Feet
	Feet		Feet
	Feet		Feet
	Feet		Feet
	Feet		Feet

7. *WATER QUALITIES*
Static water level: 336 Feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I.
Water Temperature: 68 ° Fahrenheit
Water Quality: Good

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☒ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
air lift	49.6	23.1	5

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name: Boart Longyear (Contractor)
Address: 2455 S 3600 W, West Valley City, UT, 84119 (Contractor)
Phone: 775-748-1960
Nevada contractor's license number as issued by the *State Contractor's Board*: 0021976
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller)*: 2233
Signed: *By driller performing actual drilling on site or contractor*
Date: 4/20/2021

(Rev. 04-16) **USE ADDITIONAL SHEETS IF NECESSARY** pg. 1 of pg. 1

NAD 27 37.02534
-116.79643

FORM 4013

STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No.
Permit No. 13717
Basin No.

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Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. S2021-137
WELL NAME *(If applicable)*: WW-21-02

1. OWNER/CLIENT NAME: Corvus Gold Inc.
MAILING ADDRESS: 9088 S. Ridgeline Blvd, Ste 103 Highlands Ranch, CO 80129

DETAILED ADDRESS AT WELL LOCATION: Corvus Gold North Bullfrog Project, 11 Miles NW of Beatty, NV
Subdivision Name: County: Nye

2. PLS LOCATION: SE ¼ NW ¼ 26 Sec 10 N S 46 E
PERMIT/WAIVER NO.: W-2138 *Issued by Water Resources* / *Current Parcel No.*

Latitude: 37.03615 N UTM E: ■ NAD 27
Longitude: -116.79590 W UTM N: ☐ NAD 83/WGS 84

3. WORKED PERFORMED
■ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Monitor
☐ Mining / Dewater ☐ Com / Ind ☐ Stock
■ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☐ Rotary ■ RVC
☐ Air ■ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
Brown, Black, White rock and clay			0	105
Grey rock and some grey clay			105	245
Brown clay and rock			245	325
Grey clay and rock			325	383
Grey rock			383	425
Black rock			425	445
Grey and black rock			445	485

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2021 MAY 13 AM 8:53
DCNR/DWR/SNBO

DCNR/DWR/SNBO
RECEIVED
JUN 24 2021

Date started: 18-Apr , 20 21
Date completed: 29-Apr , 20 21

9. *WELL CONSTRUCTION*
Depth Drilled: 485 Feet Depth Cased: 481 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
26	Inches	0	Feet	60	Feet
16	Inches	60	Feet	485	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
18	70.59	.375	0	60
8.625	22.36	.25	+1.5	481
2.375	4.38	.1875	+1.5	470

ANNULAR MATERIALS
Sanitary Seal ■ Yes ☐ No

■ Neat Cement	0	to	271	■ Pumped	☐ Poured
☐ Cement Grout		to		☐ Pumped	☐ Poured
☐ Concrete Grout		to		☐ Pumped	☐ Poured
■ Bentonite Chips	271	to	283	■ Pumped	☐ Poured
■ Gravel Pack [> 0.2 in.]	300	to	485	■ Pumped	☐ Poured
■ Sand Pack [< 0.2 in.]	298	to	300	■ Pumped	☐ Poured
■ Other, explain: 3/8 Bentonite pellets	283	to	298	■ Pumped	☐ Poured

PERFORATIONS:
Type of perforation: Louvers
Size of perforation: 0.09

From	310	Feet	To	470	Feet
From		Feet	To		Feet
From		Feet	To		Feet
From		Feet	To		Feet
From		Feet	To		Feet

7. *WATER QUALITIES*
Static water level: 274.5 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: 68 ° Fahrenheit
Water Quality: good

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ■ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
air lift	52.7	4.7	1

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name: Boart Longyear (Contractor)
Address: 2455 S 3600 W, West Valley City, UT, 84119 (Contractor)
Phone: 775-748-1960
Nevada contractor's license number as issued by the *State Contractor's Board*: 2233
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller)*:
Signed: *By driller performing actual drilling on site or contractor*
Date: 4/29/2021

(Rev. 04-16) **USE ADDITIONAL SHEETS IF NECESSARY** pg. of pg.

Corvus Gold Nevada Inc.

ATTACHMENT C

PUMP SPECIFICATIONS

Customer :
Reference :

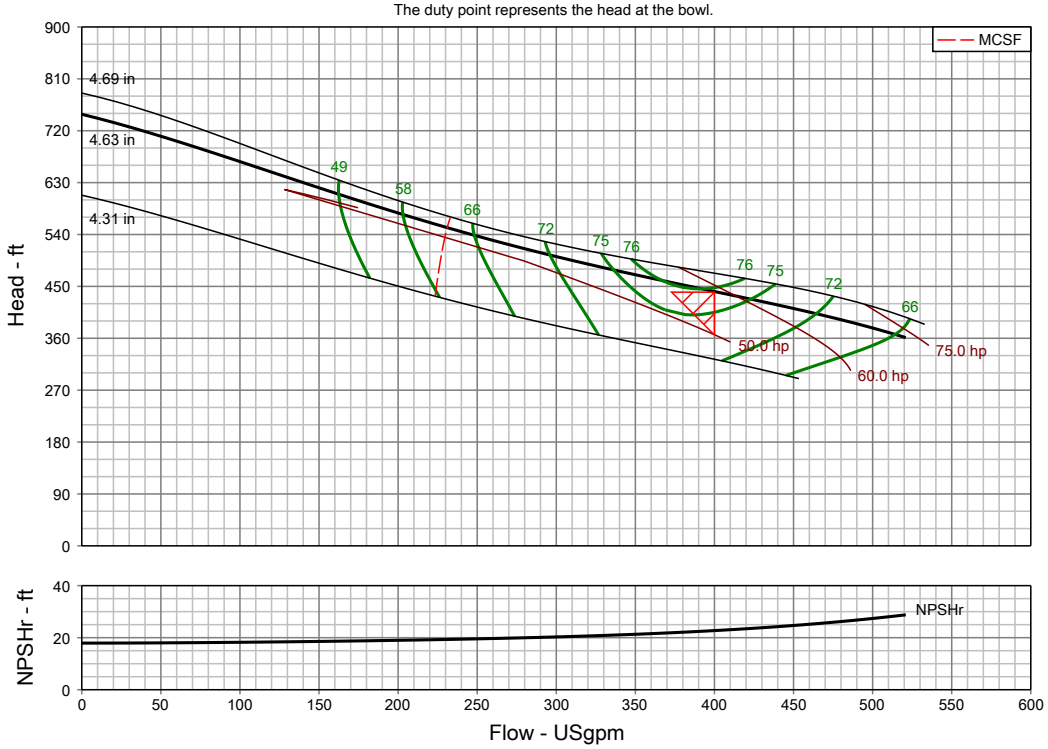
Pump Performance Datasheet

American-Marsh Pumps Quotation System 23.2.0

Item number	: 001	Size	: 6WC
Service	:	Stages	: 11
Quantity	: 1	Based on curve number	: 6WC
Quote number	: 1451351	Basic model number	: -
		Date last saved	: 20 Sep 2023 5:49 PM

Operating Conditions		**Liquid**	
Flow, rated	: 400.0 USgpm	Liquid type	: Water
Differential head / pressure, rated (requested)	: 440.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 448.9 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Site Supply Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG
Performance		Viscosity, rated	: 1.00 cP
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed, rated	: 3500 rpm	**Material**	
Impeller diameter, rated	: 4.63 in	Material selected	: Cast iron - Standard
Impeller diameter, maximum	: 4.69 in	**Pressure Data**	
Impeller diameter, minimum	: 4.31 in	Maximum working pressure	: See the Additional Data page
Efficiency (bowl / pump)	: 75.85 / - %	Maximum allowable working pressure	: See the Additional Data page
PEI (CL)	: -	Maximum allowable suction pressure	: N/A
NPSH required / margin required	: 22.72 / 0.50 ft	Hydrostatic test pressure	: See the Additional Data page
Ns (total flow) / Nss (imp. eye flow)	: 4,033 / 6,701 US Units	**Driver & Power Data (@Max density)**	
MCSF	: 231.0 USgpm	Driver sizing specification	: Maximum power
Head, maximum, rated diameter	: 748.6 ft	Margin over specification	: 0.00 %
Head rise to shutoff (bowl / pump)	: 69.69 / - %	Service factor	: 1.00
Flow, best eff. point (bowl / pump)	: 379.5 / - USgpm	Power, hydraulic	: 44.55 hp
Flow ratio, rated / BEP (bowl / pump)	: 105.40 / - %	Power (bowl / pump)	: 58.73 / - hp
Diameter ratio (rated / max)	: 98.66 %	Power, maximum, rated diameter	: 73.08 hp
Head ratio (rated dia / max dia)	: 93.29 %	Minimum recommended motor rating	: 75.00 hp / 55.93 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

Bowl performance. Adjusted for construction and viscosity.
The duty point represents the head at the bowl.



Corvus Gold Nevada Inc.

ATTACHMENT D

WATER QUALITY RESULTS:

D1: WW-21-02

NDEP FORM 0190

Sample Location **WW-21-02**

Description	Reference Value (mg\L)	WW-21-02 Week 1	WW-21-02 Week 4	WW-21-02 End of Test
Name of NV Certified Lab		WETLAB	WETLAB	WETLAB
Lab Reference #		23110305-001	23120006-001	23120186-001
Sample Date		11/9/2023	11/29/2023	12/6/2023
Lab Test Date		11/15/2023	12/7/2023	12/11/2023
Sampled By		JE	JE	JE
Alkalinity, Bicarbonate (as	---	220	210	220
Alkalinity, Total (as $CaCO_3$)	---	220	210	220
Aluminum	**0.2**	<0.050	<0.050	<0.050
Antimony	**0.006**	<0.0025	<0.0025	<0.0025
Arsenic	**0.01**	0.015	0.013	0.013
Barium	**2**	<0.020	<0.020	<0.020
Beryllium	**0.004**	<0.0010	<0.0010	<0.0010
Cadmium	**0.005**	<0.0010	<0.0010	<0.0010
Calcium	---	82	84	81
Chloride	**400**	35	37	35
Chromium	**0.1**	<0.0050	<0.0050	<0.0050
Copper	**1**	<0.040	<0.040	<0.040
Fluoride	**4**	<1.0	<1.0	0.63
Iron	**0.6**	<0.10	<0.10	<0.10
Lead	**0.015**	<0.0025	<0.0025	<0.0025
Magnesium	**150**	15	15	14
Manganese	**0.1**	0.21	0.20	0.19
Mercury	**0.002**	<0.00045	<0.00045	<0.00045
Nickel	**0.1**	<0.030	<0.030	<0.030
Nitrate + Nitrite, Total (as N)	**10**	<0.10	<0.10	<0.10
Nitrogen, Total (as N)	**10**	<0.50	<0.50	<0.50
pH (standard units)	**6.5 - 8.5**	7.78	7.66	7.76
Potassium	---	5.9	6	5.7
Selenium	**0.05**	<0.0050	<0.0050	<0.0050
Silver	**0.1**	<0.0050	<0.0050	<0.0050
Sodium	---	76	71	71
Sulfate	**500**	170	170	170
Thallium	**0.002**	<0.0010	<0.0010	<0.0010
Total Dissolved Solids	**1000**	520	500	540
Uranium, Total	**0.03**	0.0069	0.0067	0.0064
WAD Cyanide	**0.2**	<0.010	<0.010	<0.010
Zinc	**5**	<0.020	<0.020	<0.020

Corvus Gold Nevada Inc.

ATTACHMENT D

WATER QUALITY RESULTS:

D2: WW-21-03

NDEP FORM 0190

Sample Location **WW-21-03**

Description	Reference Value (mg\L)	WW-21-03 Week 1	WW-21-03 Week 4
Name of NV Certified Lab		WETLAB	WETLAB
Lab Reference #		24010564-001	24020574-001
Sample Date		1/24/2024	2/20/2024
Lab Test Date		1/29/2024	2/27/2024
Sampled By		JE	DR
Alkalinity, Bicarbonate (as	---	160	170
Alkalinity, Total (as $CaCO_3$)	---	160	170
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	<0.0050	0.017
Barium	2	<0.020	<0.020
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	87	92
Chloride	400	30	29
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	<1.0	<1.0
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	15	16
Manganese	0.1	0.042	<0.010
Mercury	0.002	0.00047	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total (as N)	10	<0.10	<0.10
Nitrogen, Total (as N)	10	<0.50	<0.50
pH (standard units)	6.5 - 8.5	7.51	8.02
Potassium	---	4.2	4.1
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	50	52
Sulfate	500	210	200
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	510	520
Uranium, Total	0.03	0.0084	0.0084
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

Corvus Gold Nevada Inc.

ATTACHMENT D

WATER QUALITY RESULTS:

D3: SPRINGS

NDEP FORM 0190

Sample Location **North Mud Spring**

Description	Reference Value (mg\L)	North Mud Week 1	North Mud Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		24010562-001	24020442-001
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	120	160
Alkalinity, Total (as	---	120	160
Aluminum	**0.2**	0.14	<0.05
Antimony	**0.006**	<0.0025	<0.0025
Arsenic	**0.01**	0.011	0.010
Barium	**2**	<0.020	<0.02
Beryllium	**0.004**	<0.0010	<0.001
Cadmium	**0.005**	<0.0010	<0.001
Calcium	---	11	26
Chloride	**400**	28.9	59
Chromium	**0.1**	<0.0050	<0.005
Copper	**1**	<0.040	<0.04
Fluoride	**4**	0.55	<1
Iron	**0.6**	0.16	<0.1
Lead	**0.015**	<0.0025	<0.0025
Magnesium	**150**	1.84	3.9
Manganese	**0.1**	0.014	<0.01
Mercury	**0.002**	<0.00045	<0.00045
Nickel	**0.1**	<0.030	<0.03
Nitrate + Nitrite, Total	**10**	2.9	6.9
Nitrogen, Total (as N)	**10**	3.2	7.6
pH (standard units)	**6.5 - 8.5**	7.98	7.87
Potassium	---	1.8	1.9
Selenium	**0.05**	<0.0050	<0.005
Silver	**0.1**	<0.00500	<0.005
Sodium	---	76	110
Sulfate	**500**	29	58
Thallium	**0.002**	<0.0010	<0.001
Total Dissolved Solids	**1000**	270	400
Uranium, Total	**0.03**	0.006	0.016
WAD Cyanide	**0.2**	<0.010	<0.01
Zinc	**5**	<0.020	<0.02

NDEP FORM 0190

Sample Location **Mud Spring**

Description	Reference Value (mg\L)	Mud Spring Week 1	Mud Spring Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		24010562-002	24020442-002
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity,	---	120	150
Alkalinity, Total (as	---	120	150
Aluminum	0.2	0.062	<0.05
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.007	0.008
Barium	2	<0.020	<0.02
Beryllium	0.004	<0.0010	<0.001
Cadmium	0.005	<0.0010	<0.001
Calcium	---	13	18
Chloride	400	35.2	42
Chromium	0.1	<0.0050	<0.005
Copper	1	<0.040	<0.04
Fluoride	4	0.43	0.36
Iron	0.6	<0.10	<0.1
Lead	0.015	<0.0025	<0.0025
Magnesium	150	2.34	3.5
Manganese	0.1	<0.010	<0.01
Mercury	0.002	0.0006	<0.00045
Nickel	0.1	<0.030	<0.03
Nitrate + Nitrite, Total	10	3.2	4.7
Nitrogen, Total (as N)	10	3.6	5
pH (standard units)	6.5 - 8.5	7.77	8.04
Potassium	---	4.7	4.6
Selenium	0.05	<0.0050	<0.005
Silver	0.1	<0.00500	<0.005
Sodium	---	77	99
Sulfate	500	33	40
Thallium	0.002	<0.0010	<0.001
Total Dissolved Solids	1000	300	350
Uranium, Total	0.03	<0.0050	0.0079
WAD Cyanide	0.2	<0.010	<0.01
Zinc	5	<0.020	<0.02

NDEP FORM 0190

Sample Location **Springdale Spring**

Description	Reference Value (mg\L)	Springdale Spring Week 1	Springdale Spring Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		24010562-006	24020442-003
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity,	---	250	220
Alkalinity, Total (as	---	250	220
Aluminum	0.2	<0.050	<0.05
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.048	0.030
Barium	2	<0.020	<0.02
Beryllium	0.004	<0.0010	<0.001
Cadmium	0.005	<0.0010	<0.001
Calcium	---	35	31
Chloride	400	74.8	51
Chromium	0.1	<0.0050	<0.005
Copper	1	<0.040	<0.04
Fluoride	4	2.3	1.8
Iron	0.6	<0.10	0.28
Lead	0.015	<0.0025	<0.0025
Magnesium	150	6.73	5.8
Manganese	0.1	<0.010	<0.01
Mercury	0.002	0.00095	<0.00045
Nickel	0.1	<0.030	<0.03
Nitrate + Nitrite,	10	0.58	0.83
Nitrogen, Total (as N)	10	2.5	1.9
pH (standard units)	6.5 - 8.5	7.63	7.89
Potassium	---	18	11
Selenium	0.05	<0.0050	<0.005
Silver	0.1	<0.00500	<0.005
Sodium	---	150	130
Sulfate	500	120	87
Thallium	0.002	<0.0010	<0.001
Total Dissolved Solids	1000	610	500
Uranium, Total	0.03	0.008	0.0073
WAD Cyanide	0.2	<0.010	<0.01
Zinc	5	<0.020	<0.02

NDEP FORM 0190

Sample Location **Wehrly Spring**

Description	Reference Value (mg\L)	Wehrly Spring Week 1	Wehrly Spring Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		24010562-008	24020442-004
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	300	310
Alkalinity, Total (as	---	300	310
Aluminum	**0.2**	<0.050	<0.05
Antimony	**0.006**	<0.0025	<0.0025
Arsenic	**0.01**	0.024	0.025
Barium	**2**	0.026	0.029
Beryllium	**0.004**	<0.0010	<0.001
Cadmium	**0.005**	<0.0010	<0.001
Calcium	---	40	44
Chloride	**400**	81.8	88
Chromium	**0.1**	<0.0050	<0.005
Copper	**1**	<0.040	<0.04
Fluoride	**4**	3.4	3.1
Iron	**0.6**	<0.10	<0.1
Lead	**0.015**	<0.0025	<0.0025
Magnesium	**150**	7.44	8.2
Manganese	**0.1**	<0.010	<0.01
Mercury	**0.002**	0.0008	<0.00045
Nickel	**0.1**	<0.030	<0.03
Nitrate + Nitrite, Total	**10**	1	1.1
Nitrogen, Total (as N)	**10**	1.1	1.2
pH (standard units)	**6.5 - 8.5**	7.86	7.93
Potassium	---	11.0	11.0
Selenium	**0.05**	<0.0050	<0.005
Silver	**0.1**	<0.00500	<0.005
Sodium	---	220	240
Sulfate	**500**	190	200
Thallium	**0.002**	<0.0010	<0.001
Total Dissolved Solids	**1000**	770	740
Uranium, Total	**0.03**	0.0059	0.0064
WAD Cyanide	**0.2**	<0.010	<0.01
Zinc	**5**	<0.020	<0.02

NDEP FORM 0190

Sample Location **North Goss Spring**

Description	Reference Value (mg\L)	North Goss Spring Week 1	North Goss Spring Week 4
Name of NV Certified Lab		WETLAB	WETLAB
Lab Reference #		24010562-005	24020442-005
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	150	160
Alkalinity, Total (as	---	150	160
Aluminum	0.2	<0.050	<0.05
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.0073	0.0082
Barium	2	<0.020	<0.02
Beryllium	0.004	<0.0010	<0.001
Cadmium	0.005	<0.0010	<0.001
Calcium	---	17	18
Chloride	400	45.7	45
Chromium	0.1	<0.0050	<0.005
Copper	1	<0.040	<0.04
Fluoride	4	2.9	2.5
Iron	0.6	<0.10	<0.1
Lead	0.015	<0.0025	<0.0025
Magnesium	150	1.24	1.3
Manganese	0.1	<0.010	<0.01
Mercury	0.002	0.00054	<0.00045
Nickel	0.1	<0.030	<0.03
Nitrate + Nitrite, Total (as	10	0.51	0.58
Nitrogen, Total (as N)	10	0.52	0.59
pH (standard units)	6.5 - 8.5	8.06	8.14
Potassium	---	4.8	5.2
Selenium	0.05	<0.0050	<0.005
Silver	0.1	<0.00500	<0.005
Sodium	---	110	120
Sulfate	500	82	79
Thallium	0.002	<0.0010	<0.001
Total Dissolved Solids	1000	380	410
Uranium, Total	0.03	0.0092	0.0093
WAD Cyanide	0.2	<0.010	<0.01
Zinc	5	<0.020	<0.02

NDEP FORM 0190

Sample Location **Burro Spring**

Description	Reference Value (mg\L)	Burro Spring Week 1	Burro Spring Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		24010562-003	24020442-006
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	480	530
Alkalinity, Total (as	---	540	530
Aluminum	0.2	0.071	<0.05
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.037	0.036
Barium	2	0.021	0.022
Beryllium	0.004	<0.0010	<0.001
Cadmium	0.005	<0.0010	<0.001
Calcium	---	25	33
Chloride	400	143	140
Chromium	0.1	<0.0050	<0.005
Copper	1	<0.040	<0.04
Fluoride	4	6.2	4
Iron	0.6	<0.10	<0.1
Lead	0.015	<0.0025	<0.0025
Magnesium	150	15.8	17
Manganese	0.1	0.01	<0.01
Mercury	0.002	0.00048	<0.00045
Nickel	0.1	<0.030	<0.03
Nitrate + Nitrite, Total	10	<0.10	<0.1
Nitrogen, Total (as N)	10	2.2	0.65
pH (standard units)	6.5 - 8.5	8.65	8.25
Potassium	---	21.0	17.0
Selenium	0.05	<0.0050	<0.005
Silver	0.1	<0.00500	<0.005
Sodium	---	530	500
Sulfate	500	470	410
Thallium	0.002	<0.0010	<0.001
Total Dissolved Solids	1000	1400	1400
Uranium, Total	0.03	0.018	0.016
WAD Cyanide	0.2	<0.010	<0.01
Zinc	5	<0.020	<0.02

NDEP FORM 0190

Sample Location **Brian Spring**

Description	Reference Value (mg\L)	Brian Spring	Brian Spring
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		24010562-004	24020442-007
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	130	140
Alkalinity, Total (as	---	130	140
Aluminum	0.2	<0.050	<0.05
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.018	0.018
Barium	2	<0.020	<0.02
Beryllium	0.004	<0.0010	<0.001
Cadmium	0.005	<0.0010	<0.001
Calcium	---	25	28
Chloride	400	21.1	25
Chromium	0.1	<0.0050	<0.005
Copper	1	<0.040	<0.04
Fluoride	4	0.72	0.67
Iron	0.6	<0.10	<0.1
Lead	0.015	<0.0025	<0.0025
Magnesium	150	3.87	4.2
Manganese	0.1	<0.010	<0.01
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.03
Nitrate + Nitrite, Total	10	3.1	3.8
Nitrogen, Total (as N)	10	3.2	4.1
pH (standard units)	6.5 - 8.5	7.71	7.91
Potassium	---	3.7	4.1
Selenium	0.05	<0.0050	<0.005
Silver	0.1	<0.00500	<0.005
Sodium	---	53	63
Sulfate	500	23	31
Thallium	0.002	<0.0010	<0.001
Total Dissolved Solids	1000	250	290
Uranium, Total	0.03	<0.0050	0.006
WAD Cyanide	0.2	<0.010	<0.01
Zinc	5	<0.020	<0.02

NDEP FORM 0190

Sample Location **Lower Indian Spring**

Description	Reference Value (mg\L)	Lower Indian Spring Week 1	Lower Indian Spring Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		24010562-007	24020442-008
Sample Date		1/23/2024	2/14/2024
Lab Test Date		1/29/2024	2/29/2024
Sampled By		JE	JE
Alkalinity,	---	110	120
Alkalinity, Total (as	---	110	120
Aluminum	0.2	<0.050	<0.05
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.007	0.0051
Barium	2	<0.020	<0.02
Beryllium	0.004	<0.0010	<0.001
Cadmium	0.005	<0.0010	<0.001
Calcium	---	6.6	7.3
Chloride	400	15.3	15
Chromium	0.1	<0.0050	<0.005
Copper	1	<0.040	<0.04
Fluoride	4	0.44	0.36
Iron	0.6	<0.10	<0.1
Lead	0.015	<0.0025	<0.0025
Magnesium	150	0.699	0.73
Manganese	0.1	<0.010	<0.01
Mercury	0.002	0.00046	<0.00045
Nickel	0.1	<0.030	<0.03
Nitrate + Nitrite, Total	10	2.2	2.5
Nitrogen, Total (as N)	10	2.2	2.5
pH (standard units)	6.5 - 8.5	7.64	7.95
Potassium	---	1.4	1.5
Selenium	0.05	<0.0050	<0.005
Silver	0.1	<0.00500	<0.005
Sodium	---	63	69
Sulfate	500	19	19
Thallium	0.002	<0.0010	<0.001
Total Dissolved Solids	1000	210	210
Uranium, Total	0.03	<0.0050	<0.005
WAD Cyanide	0.2	<0.010	<0.01
Zinc	5	<0.020	<0.02

NDEP FORM 0190

Sample Location **North Mud Spring**

Description	Reference Value (mg\L)	North Mud Week 1	North Mud Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		23110382-007	23120005-001
Sample Date		11/14/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	120	130
Alkalinity, Total (as	---	120	130
Aluminum	0.2	<0.050	0.13
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.009	0.011
Barium	2	<0.020	<0.020
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	8	13
Chloride	400	28	30.6
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	0.5	0.62
Iron	0.6	<0.10	0.19
Lead	0.015	<0.0025	<0.0025
Magnesium	150	1.6	1.9
Manganese	0.1	<0.010	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total	10	3.5	2.9
Nitrogen, Total (as N)	10	3.6	3.5
pH (standard units)	6.5 - 8.5	7.84	7.93
Potassium	---	1.1	1.9
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	70	79
Sulfate	500	28	30
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	220	280
Uranium, Total	0.03	0.0052	0.0053
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

NDEP FORM 0190

Sample Location **Mud Spring**

Description	Reference Value (mg\L)	Mud Spring Week 1	Mud Spring Week 4
Name of NV Certified Lab		WETLAB	WETLAB
Lab Reference #		23110382-006	23120005-002
Sample Date		11/14/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
Alkalinity, Bicarbonate (as $CaCO_3$)	---	120	120
Alkalinity, Total (as $CaCO_3$)	---	120	120
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.007	0.006
Barium	2	<0.020	<0.020
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	13	11
Chloride	400	35	35.5
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	0.41	0.47
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	2.3	2.2
Manganese	0.1	<0.010	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total (as N)	10	3.3	3.5
Nitrogen, Total (as N)	10	3.5	3.6
pH (standard units)	6.5 - 8.5	7.62	7.81
Potassium	---	4.7	4.8
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	82	77
Sulfate	500	33	33
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	280	280
Uranium, Total	0.03	<0.0050	<0.0050
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

NDEP FORM 0190

Sample Location **Springdale Spring**

Description	Reference Value (mg\L)	Springdale Spring Week 1	Springdale Spring Week 4
~~Name of NV Certified Lab~~		WETLAB	WETLAB
Lab Reference #		23110382-001	23120005-006
Sample Date		11/10/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
~~Alkalinity, Bikarbnty,~~	---	210	210
~~Bikarbnty,~~ ~~Total~~ (as ~~CaCO~~)	---	210	210
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.024	0.030
Barium	2	<0.020	<0.020
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	28	28
Chloride	400	45	50.3
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	2	2
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	5	5.3
Manganese	0.1	<0.010	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
~~Nitrate + Nitrite, Total (as N)~~	10	0.97	0.75
Nitrogen, Total (as N)	10	1.2	1
pH (standard units)	6.5 - 8.5	7.64	7.79
Potassium	---	9.6	11
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	110	120
Sulfate	500	68	75
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	460	460
Uranium, Total	0.03	0.0089	0.0071
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

NDEP FORM 0190

Sample Location **Wehrly Spring**

Description	Reference Value (mg\L)	Wehrly Spring Week 1	Wehrly Spring Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		23110382-002	23120005-007
Sample Date		11/14/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	300	300
Alkalinity, Total (as	---	300	300
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.022	0.025
Barium	2	0.023	0.025
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	43	42
Chloride	400	87	89.2
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	3.5	3.6
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	7.5	7.8
Manganese	0.1	<0.010	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total	10	1.4	1.1
Nitrogen, Total (as N)	10	1.4	1.1
pH (standard units)	6.5 - 8.5	7.76	7.85
Potassium	---	13.0	15.0
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	220	230
Sulfate	500	210	340
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	770	770
Uranium, Total	0.03	0.006	0.0055
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

NDEP FORM 0190

Sample Location **North Goss Spring**

Description	Reference Value (mg\L)	North Goss Spring Week 1	North Goss Spring Week 4
Name of NV Certified Lab		WETLAB	WETLAB
Lab Reference #		23110382-005	23120005-005
Sample Date		11/14/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	150	150
Alkalinity, Total (as	---	150	150
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.0069	0.0071
Barium	2	<0.020	<0.020
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	19	18
Chloride	400	45	46.7
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	2.8	2.9
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	1.3	1.3
Manganese	0.1	<0.010	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total (as	10	0.57	0.49
Nitrogen, Total (as N)	10	0.57	<0.50
pH (standard units)	6.5 - 8.5	7.86	8.04
Potassium	---	5.9	6.1
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	120	120
Sulfate	500	81	83
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	340	390
Uranium, Total	0.03	0.0097	0.0085
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

NDEP FORM 0190

Sample Location **Burro Spring**

Description	Reference Value (mg\L)	Burro Spring Week 1	Burro Spring Week 4
Name of NV Certified Lab		WETLAB	WETLAB
Lab Reference #		23110382-004	23120005-003
Sample Date		11/10/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
Alkalinity, Bicarbonate (as $CaCO_3$)	---	450	380
Alkalinity, Total (as $CaCO_3$)	---	450	380
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.016	0.019
Barium	2	0.026	0.024
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	55	51
Chloride	400	76	58.3
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	5.8	3.9
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	21	12
Manganese	0.1	0.037	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total (as N)	10	<0.10	<0.10
Nitrogen, Total (as N)	10	0.54	0.84
pH (standard units)	6.5 - 8.5	7.75	7.98
Potassium	---	15.0	9.0
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	290	210
Sulfate	500	210	180
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	820	750
Uranium, Total	0.03	0.0074	0.0069
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

NDEP FORM 0190

Sample Location **Brian Spring**

Description	Reference Value (mg\L)	Brian Spring	Brian Spring
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		23110382-003	23120005-004
Sample Date		11/10/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
Alkalinity, Bicarbonate	---	130	130
Alkalinity, Total (as	---	130	130
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.017	0.018
Barium	2	<0.020	<0.020
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	24	24
Chloride	400	20	21.1
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	0.73	0.77
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	3.5	3.7
Manganese	0.1	<0.010	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total	10	3.4	3.2
Nitrogen, Total (as N)	10	3.5	3.3
pH (standard units)	6.5 - 8.5	7.68	7.74
Potassium	---	4.0	4.3
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	52	52
Sulfate	500	22	23
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	250	230
Uranium, Total	0.03	<0.0050	<0.0050
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	<0.020

NDEP FORM 0190

Sample Location **Lower Indian Spring**

Description	Reference Value (mg\L)	Lower Indian Spring Week 1	Lower Indian Spring Week 4
Name of NV Certified		WETLAB	WETLAB
Lab Reference #		23110382-008	23120005-008
Sample Date		11/10/2023	11/29/2023
Lab Test Date		11/20/2023	12/7/2023
Sampled By		JE	JE
Alkalinity,	---	110	110
Alkalinity, Total (as	---	110	110
Aluminum	0.2	<0.050	<0.050
Antimony	0.006	<0.0025	<0.0025
Arsenic	0.01	0.0054	0.0058
Barium	2	<0.020	<0.020
Beryllium	0.004	<0.0010	<0.0010
Cadmium	0.005	<0.0010	<0.0010
Calcium	---	6.3	6.7
Chloride	400	15	15.4
Chromium	0.1	<0.0050	<0.0050
Copper	1	<0.040	<0.040
Fluoride	4	0.41	0.46
Iron	0.6	<0.10	<0.10
Lead	0.015	<0.0025	<0.0025
Magnesium	150	0.72	0.73
Manganese	0.1	<0.010	<0.010
Mercury	0.002	<0.00045	<0.00045
Nickel	0.1	<0.030	<0.030
Nitrate + Nitrite, Total	10	2.2	2.2
Nitrogen, Total (as N)	10	2.2	2.2
pH (standard units)	6.5 - 8.5	7.51	7.6
Potassium	---	1.2	1.7
Selenium	0.05	<0.0050	<0.0050
Silver	0.1	<0.0050	<0.0050
Sodium	---	62	63
Sulfate	500	19	20
Thallium	0.002	<0.0010	<0.0010
Total Dissolved Solids	1000	210	210
Uranium, Total	0.03	<0.0050	<0.0050
WAD Cyanide	0.2	<0.010	<0.010
Zinc	5	<0.020	

TABLE D1: Compiled Spring Flow Data

Test WW-21-02

SPRING	9/21/2023	11/10/23 to 11/14/2023	Week of 11/14/23	Week of 11/29/2023
North Mud	0.26	2	2	1.5
Mud	0.5	1.5	1.5	3
Springdale (staff gage)[1]	NMF	NMF (1.10)	NMF (1.10)	NMF (1.10)
Wehrly	4	1	1.5	1.5
Brian	1	2	2	2
Burro	NMF	NMF	NMF	NMF
North Goss	60	75	75	72
Indian Spring	2	3	3	4

Test WW-21-03

SPRING	Week of 1/23/24	Week of 1/30/24	Week of 2/14/24	Week of 3/11/24[2]
North Mud	1	1	1	1.1
Mud	1.5	1.5	2.5	5.9
Springdale (staff gage)	NMF	NMF (1.10)	NMF (1.10)	30
Wehrly	1	1	2	0.6
Brian	2	1.5	1	1.4
Burro	NMF	NMF	NMF	0.3
North Goss	75	70	80	70.1
Indian Spring	2.5	3	3	3.1

NMF = No Measureable Flow: due to a heavily impacted spring area or conditions that are poorly conducive to measurment.

1 = Springdale (staff gage) is located in the main spring discharge pool and measures the pool elevation. Changes in the elevation are reflective of increasing or decreasing spring flow. Flow measurement were difficult in the 2023 and early 2024 configuration. Starting in March 2024, the stable outflow channel cross-section was idenitfied and quarterly measurment will continue through 2024-2025.

2 = Starting in Q1 of 2024 new third party is sampling the springs. The flow measurment strategies were reviewed to collect data at the previously challenging locations.

ATTACHMENT E

FIGURES

FIGURE E1

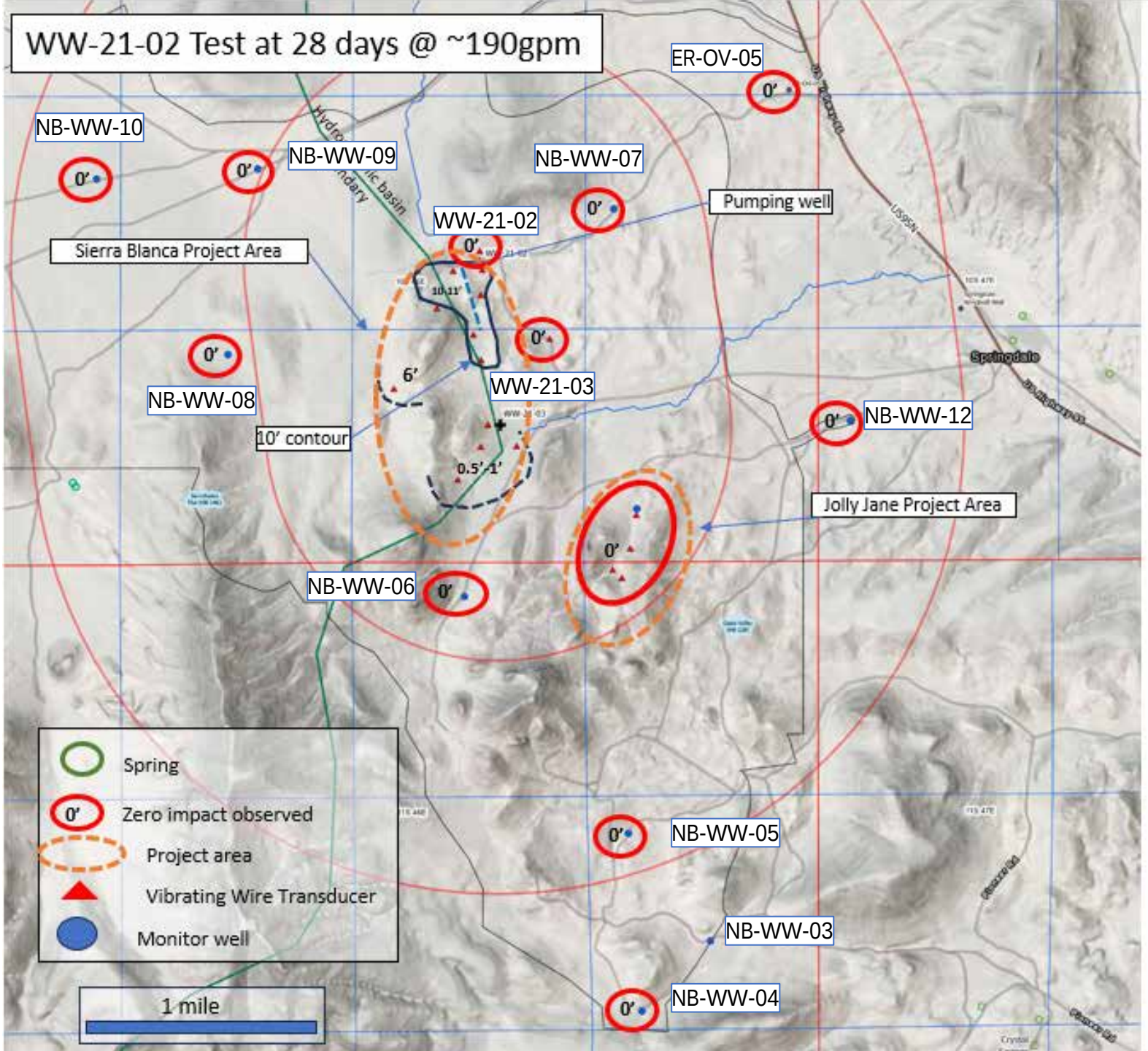
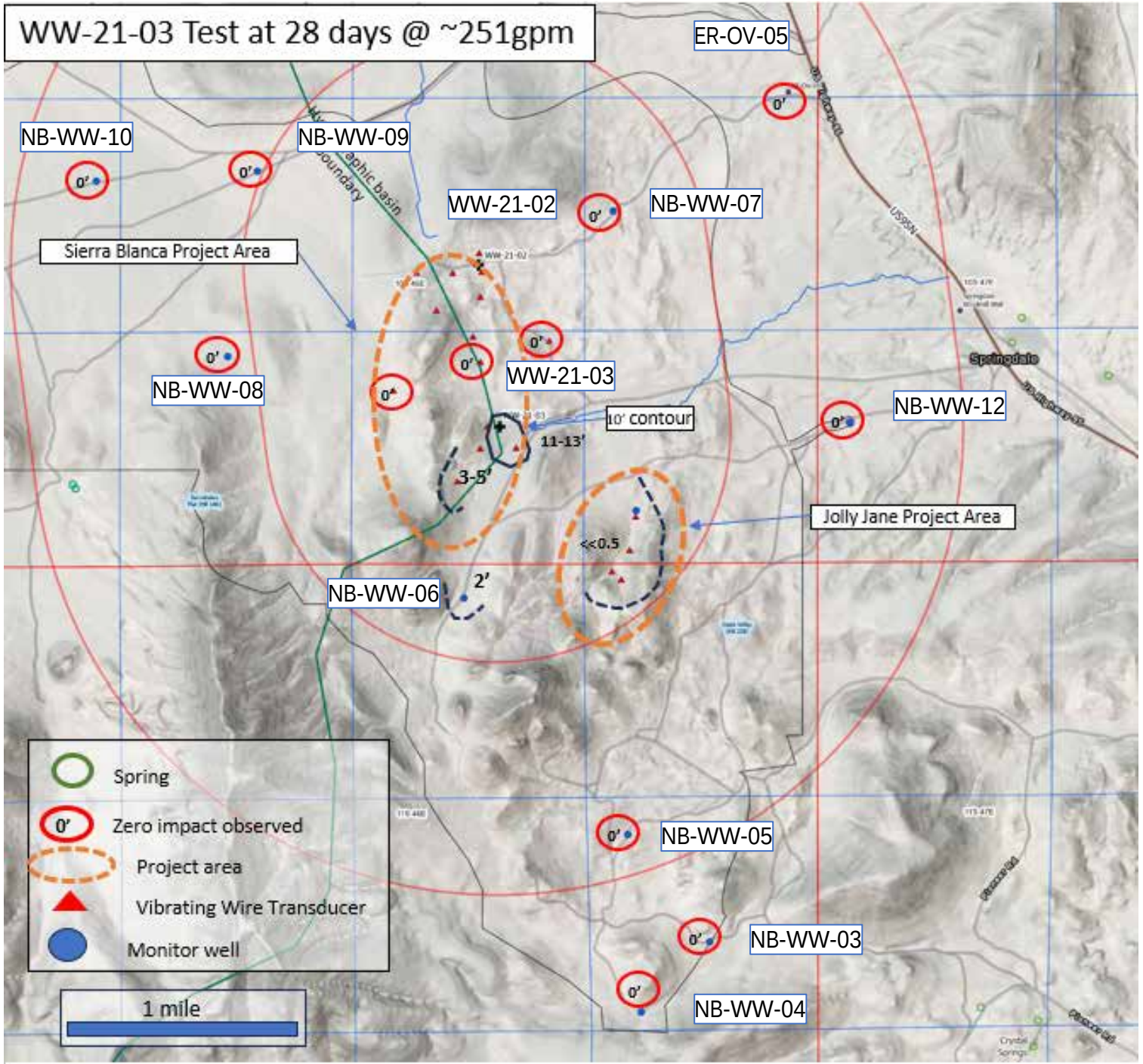

WW-21-02 Test at 28 days @ ~190gpm
ER-OV-05
NB-WW-10
NB-WW-09
NB-WW-07
Pumping well
WW-21-02
Sierra Blanca Project Area
10.11'
NB-WW-08
6'
WW-21-03
10' contour
0.5'-1'
NB-WW-12
Springdale
Jolly Jane Project Area
NB-WW-06
NB-WW-05
NB-WW-03
NB-WW-04
Spring
Zero impact observed
Project area
Vibrating Wire Transducer
Monitor well
1 mile

FIGURE E2

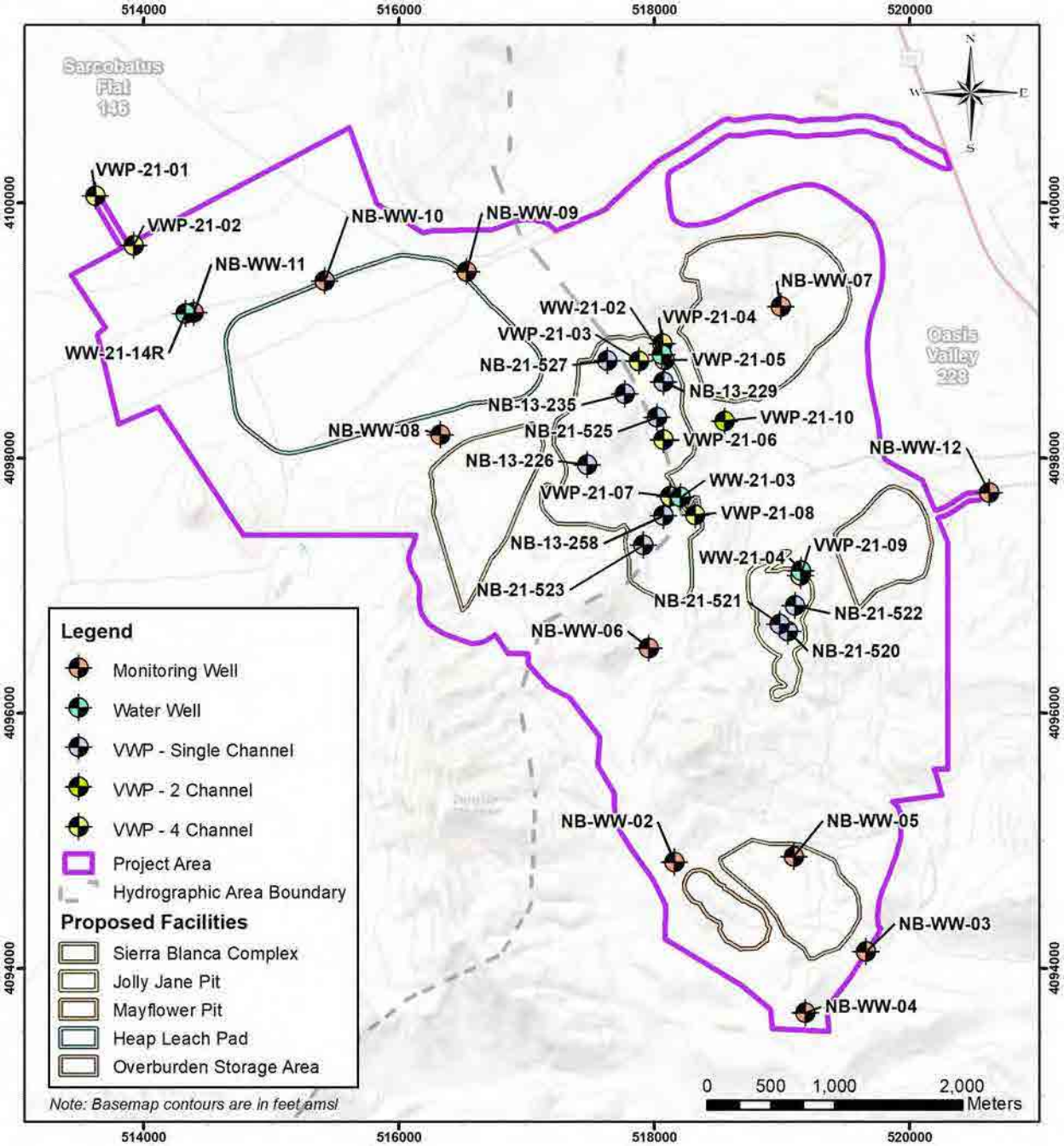

WW-21-03 Test at 28 days @ ~251gpm
ER-OV-05
NB-WW-10
NB-WW-09
WW-21-02
NB-WW-07
Sierra Blanca Project Area
NB-WW-08
WW-21-03
10' contour
11-13'
3-5'
NB-WW-12
Springdale
Jolly Jane Project Area
<<0.5
2'
NB-WW-06
NB-WW-05
NB-WW-03
NB-WW-04
Spring
Zero impact observed
Project area
Vibrating Wire Transducer
Monitor well
1 mile

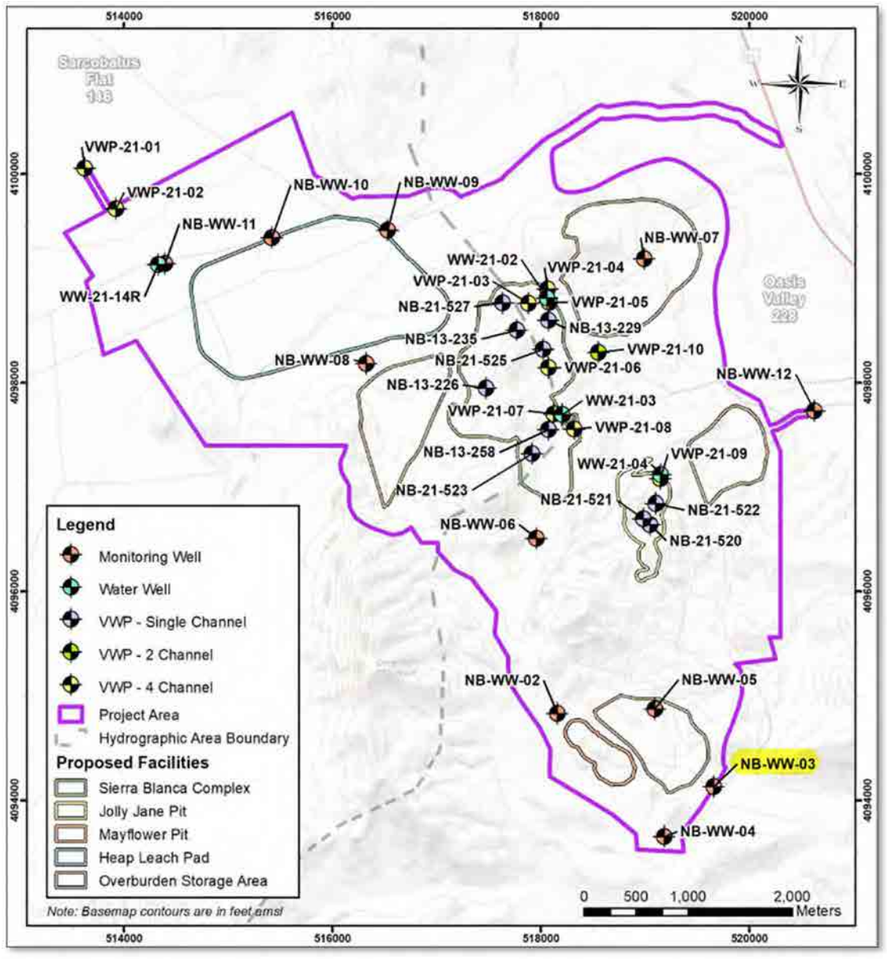
Corvus Gold Nevada Inc.

ATTACHMENT E

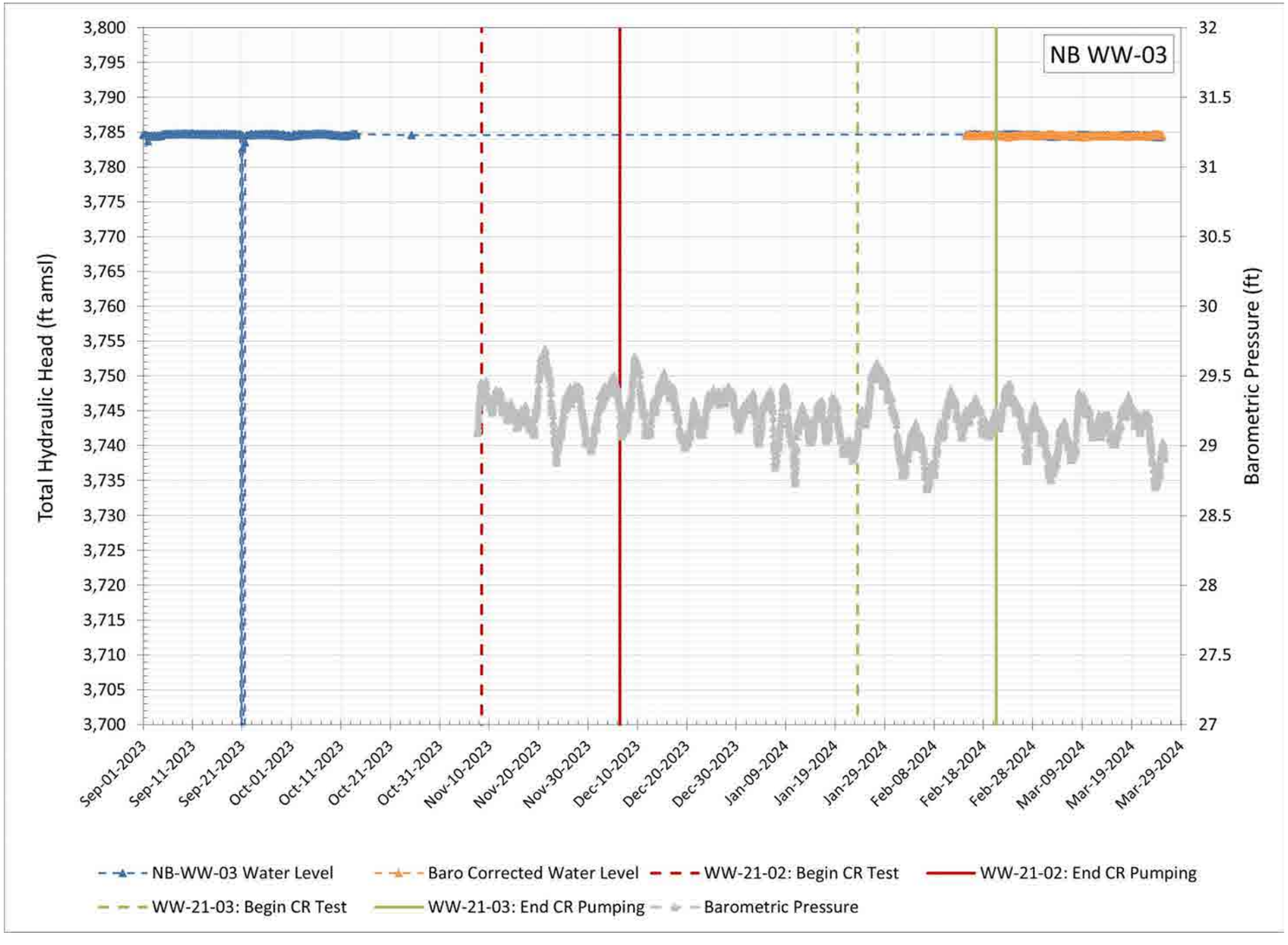
WATER LEVEL RESULTS:

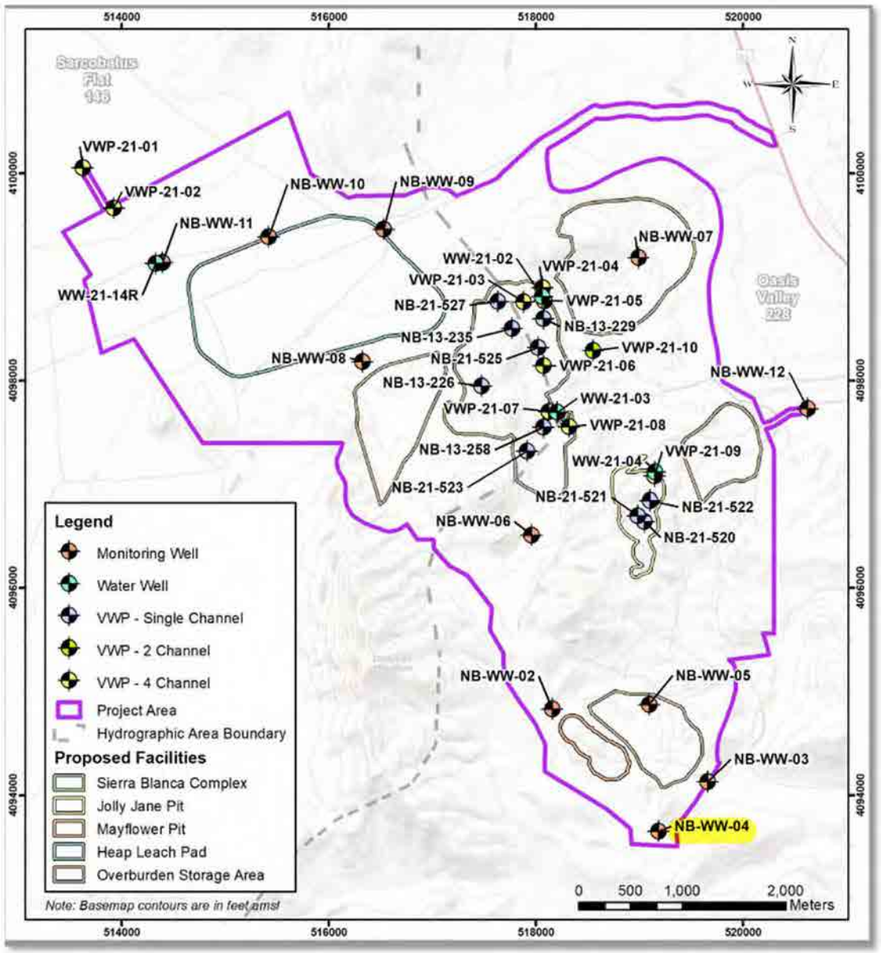
E1: MONITOR WELLS


514000
516000
518000
520000
4100000
4098000
4096000
4094000
Sarcobatus Flat 146
Oasis Valley 228
N
S
E
W
VWP-21-01
VWP-21-02
NB-WW-10
NB-WW-09
NB-WW-11
WW-21-14R
NB-WW-07
WW-21-02
VWP-21-04
VWP-21-03
NB-21-527
VWP-21-05
NB-13-229
NB-13-235
VWP-21-10
NB-WW-08
NB-21-525
VWP-21-06
NB-13-226
NB-WW-12
WW-21-03
VWP-21-07
VWP-21-08
NB-13-258
WW-21-04
VWP-21-09
NB-21-523
NB-21-521
NB-21-522
NB-WW-06
NB-21-520
NB-WW-02
NB-WW-05
NB-WW-03
NB-WW-04
Legend
Monitoring Well
Water Well
VWP - Single Channel
VWP - 2 Channel
VWP - 4 Channel
Project Area
Hydrographic Area Boundary
Proposed Facilities
Sierra Blanca Complex
Jolly Jane Pit
Mayflower Pit
Heap Leach Pad
Overburden Storage Area
Note: Basemap contours are in feet amsl
0
500
1,000
2,000
Meters

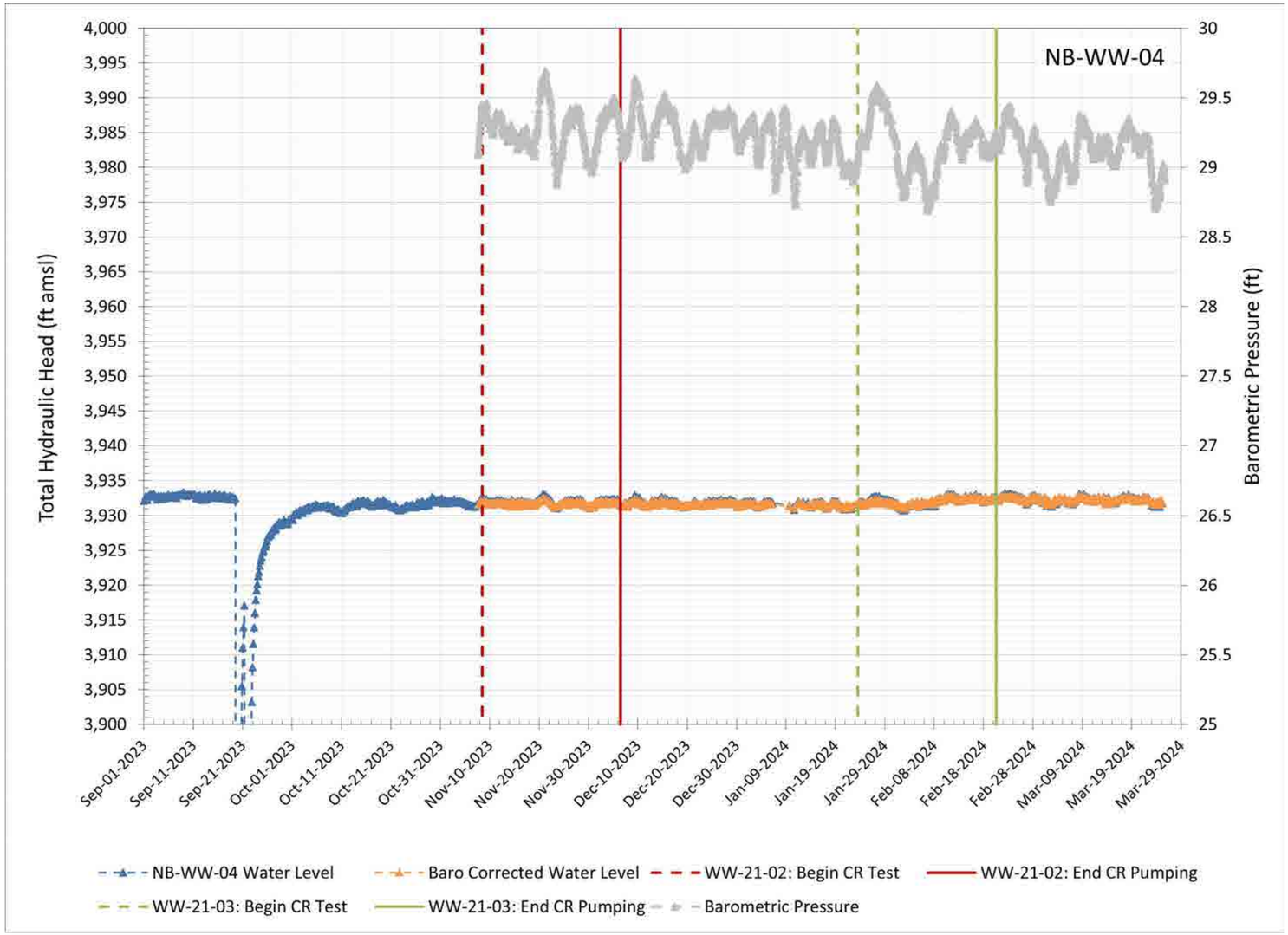


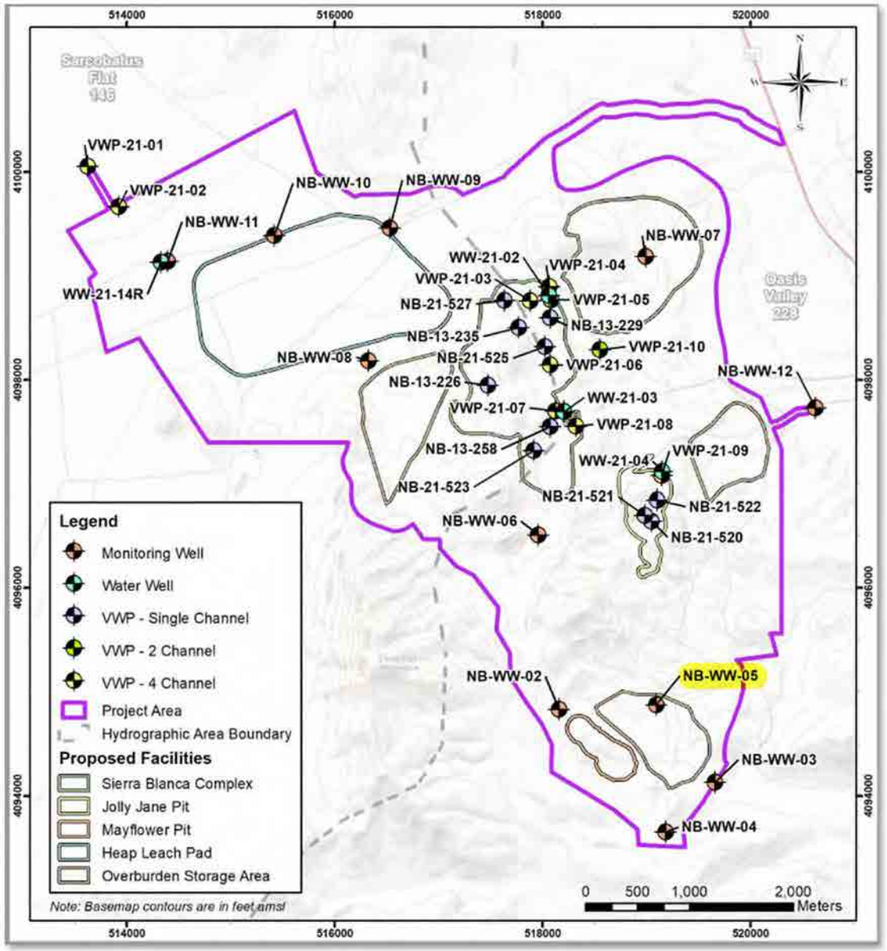
NB-WW-03		
Elevation Land Surface	ft amsl	4179
Total Depth Drilled	ft	1018
Well Screen Depth	ft	918 to 1018



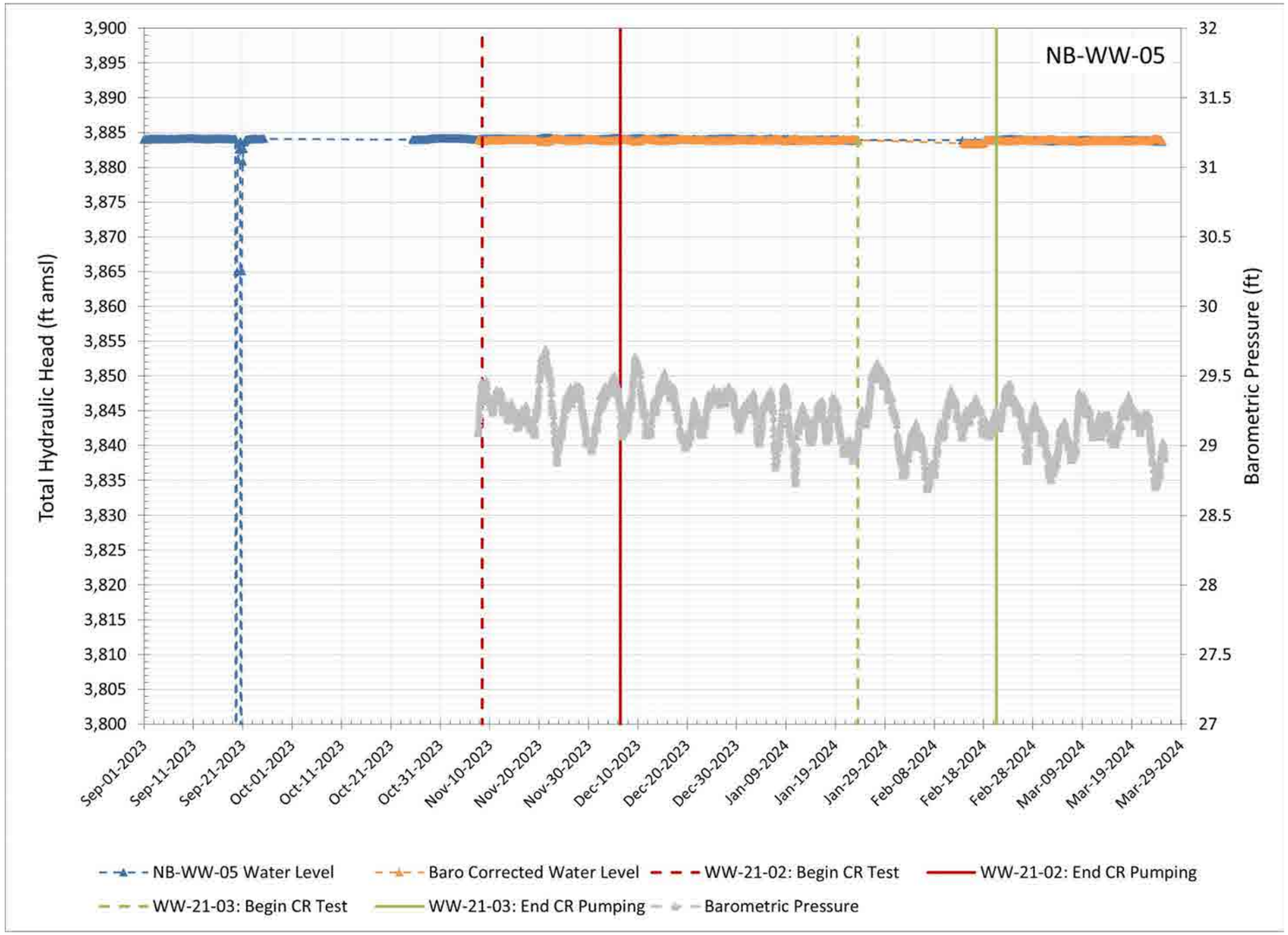


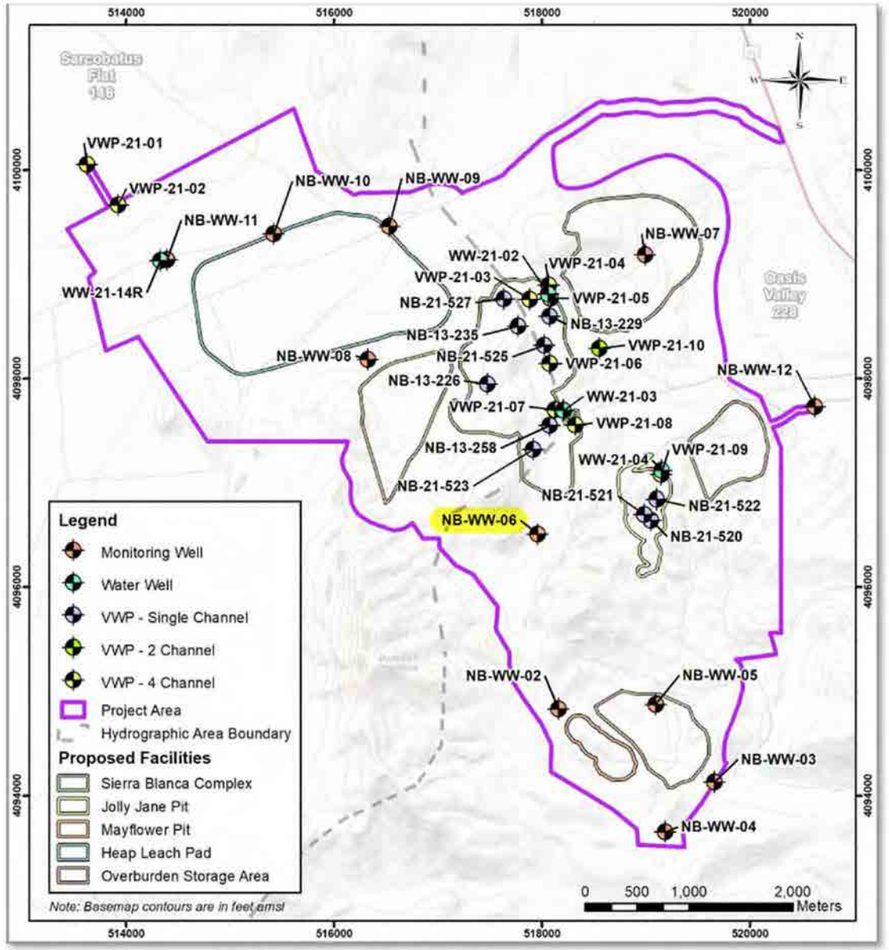
NB-WW-04		
Elevation Land Surface	ft amsl	4237
Total Depth Drilled	ft	598
Well Screen Depth	ft	498 to 598



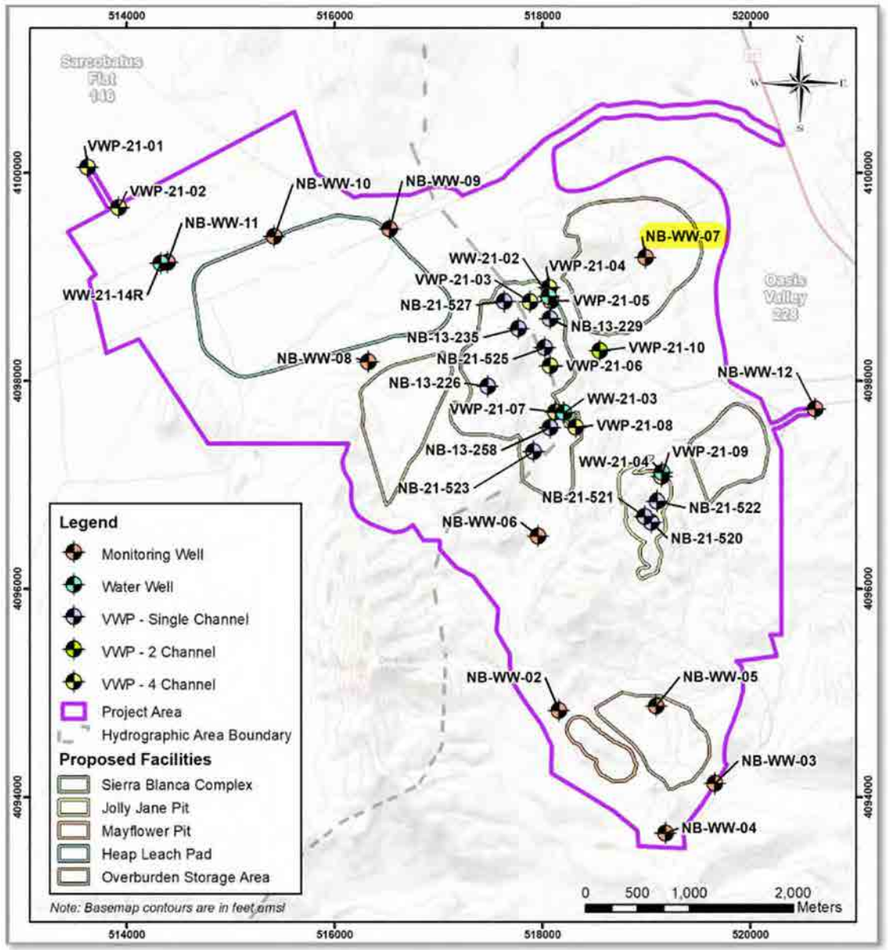


NB-WW-05		
Elevation Land Surface	ft amsl	4169
Total Depth Drilled	ft	598
Well Screen Depth	ft	498 to 598

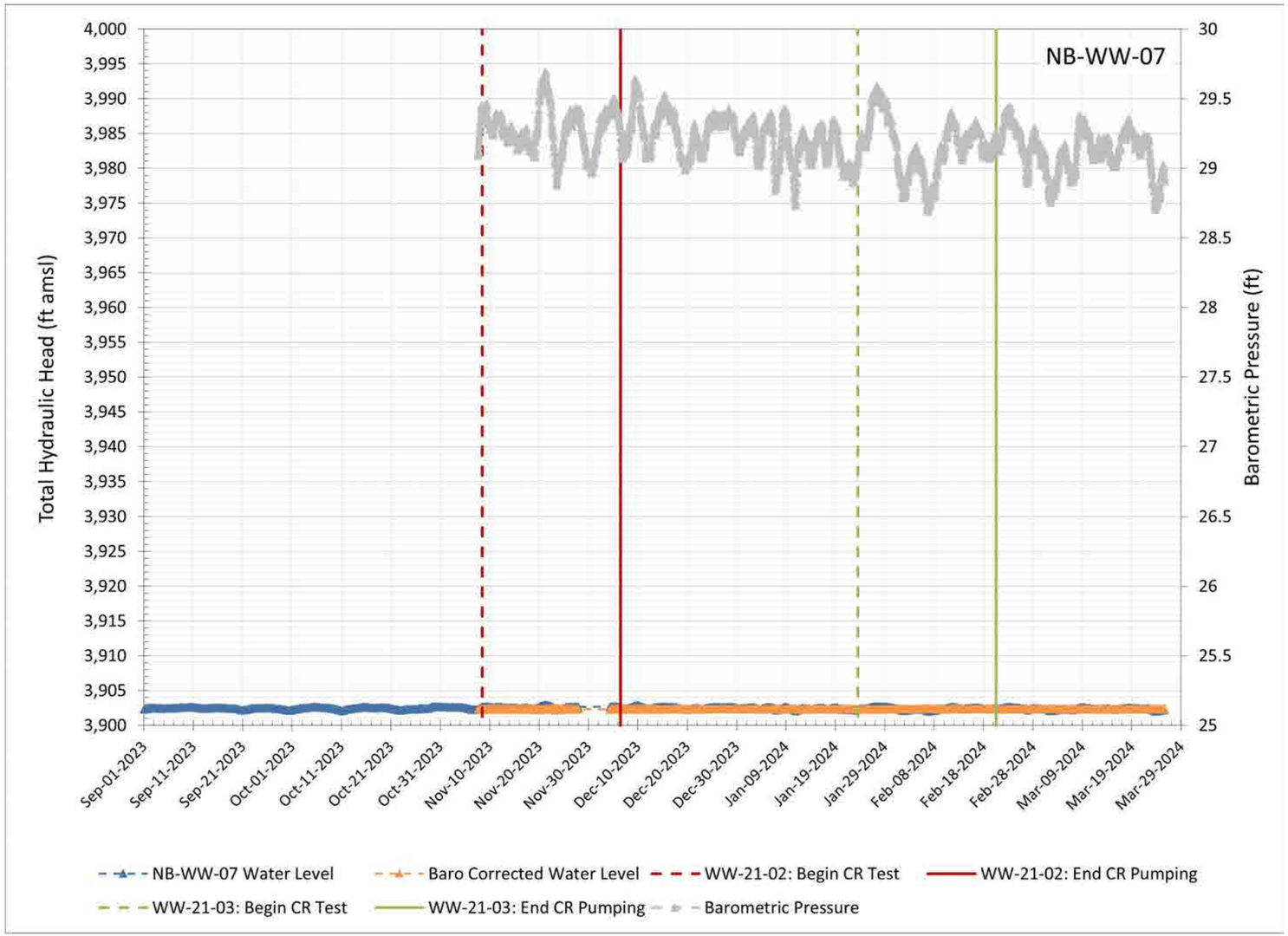


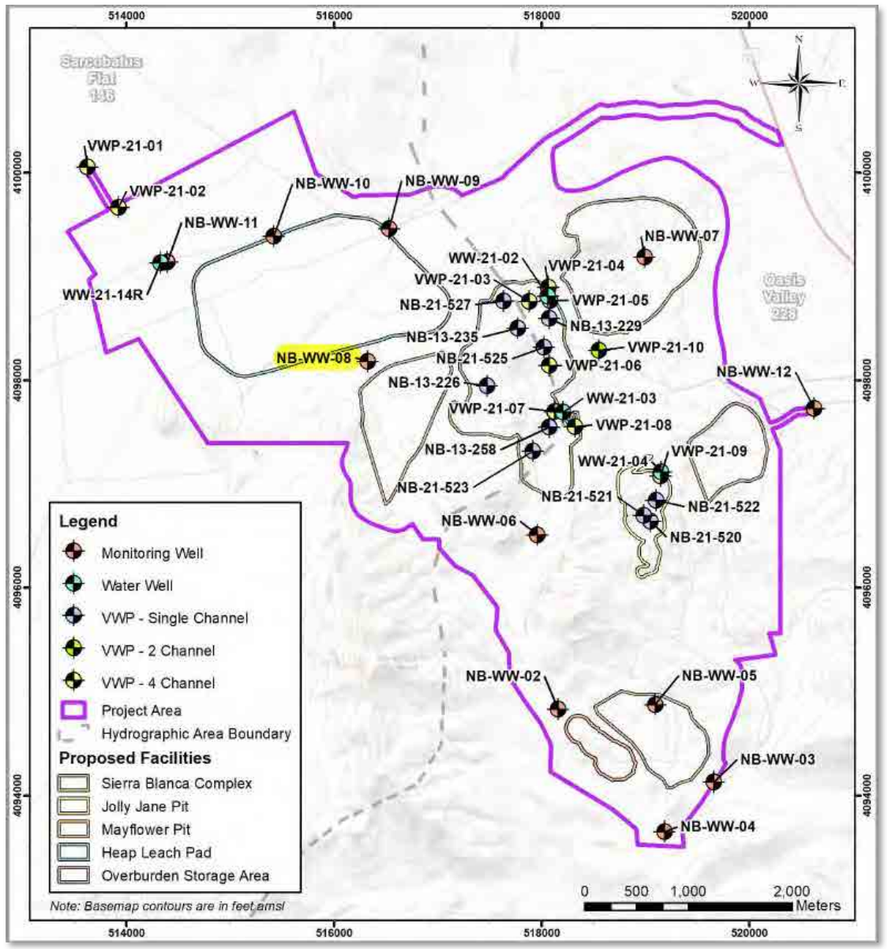


NB-WW-06		
Elevation Land Surface	ft amsl	4339
Total Depth Drilled	ft	600
Well Screen Depth	ft	498 to 600

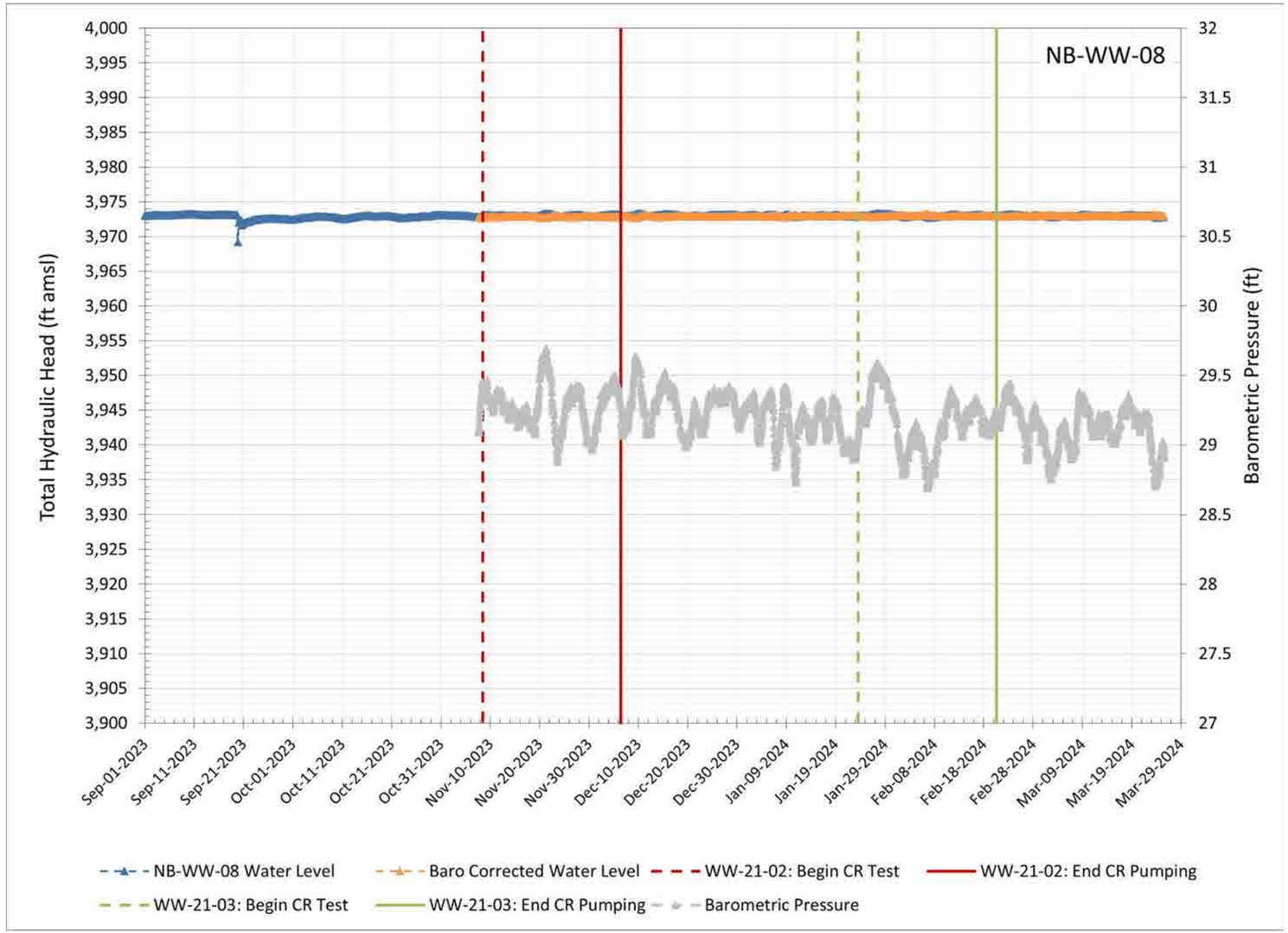


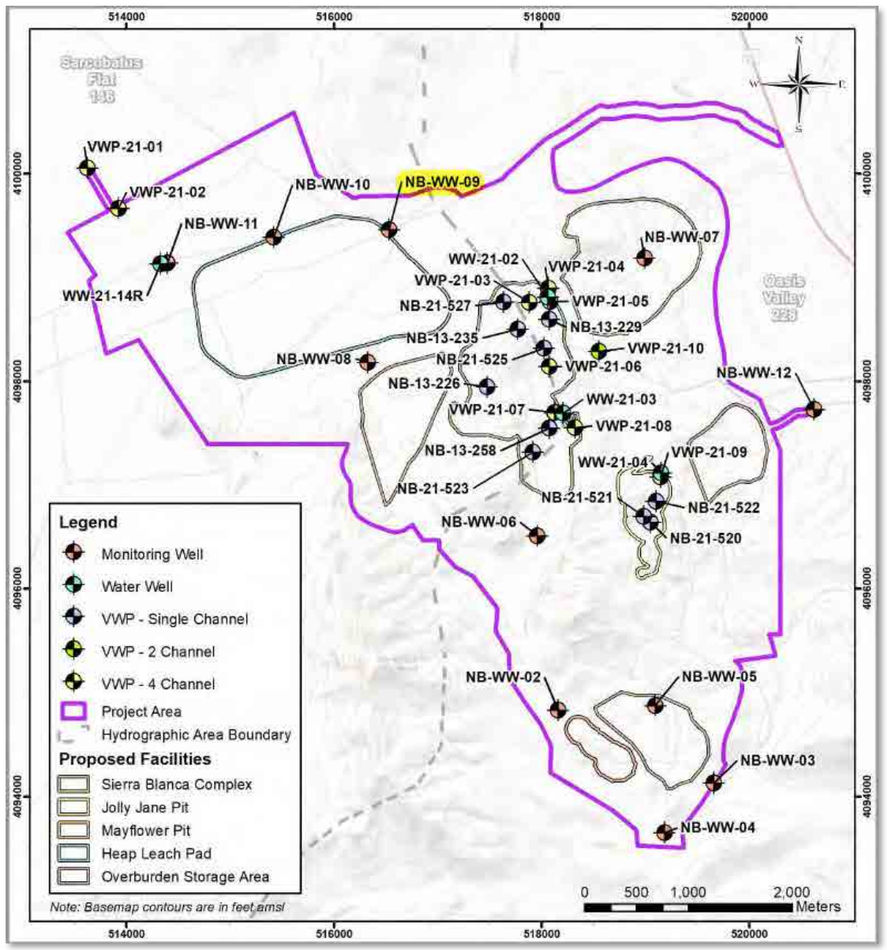
NB-WW-07		
Elevation Land Surface	ft amsl	4054
Total Depth Drilled	ft	240
Well Screen Depth	ft	138 to 240



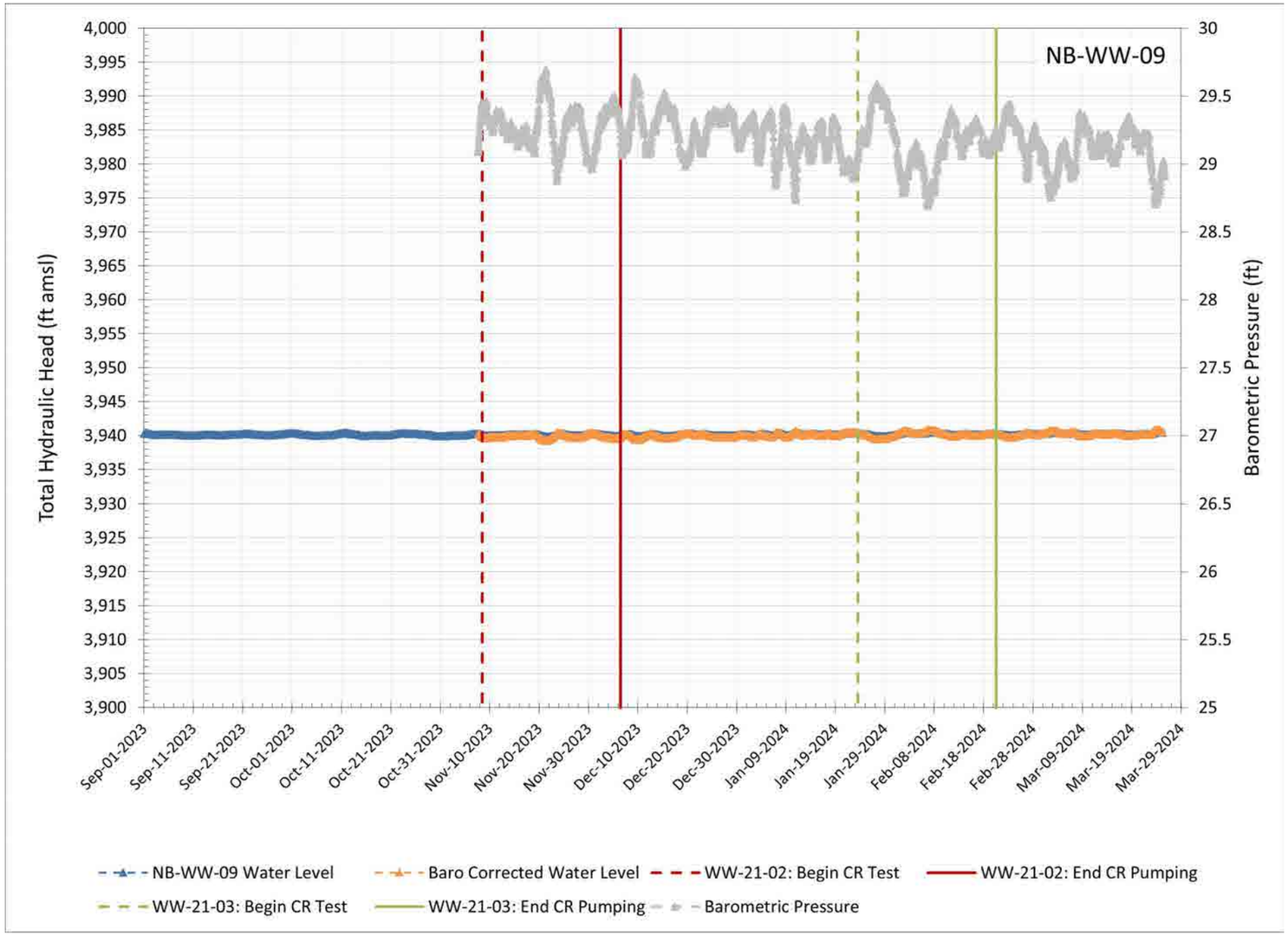


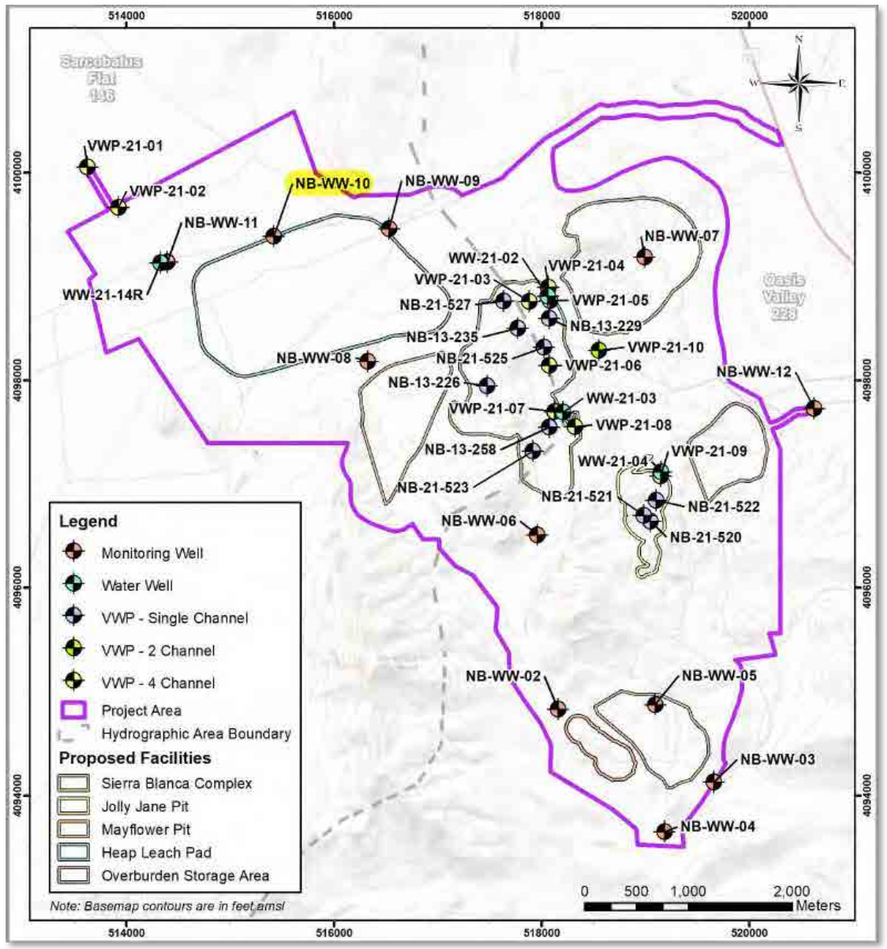
NB-WW-08		
Elevation Land Surface	ft amsl	4261
Total Depth Drilled	ft	445
Well Screen Depth	ft	345 to 45



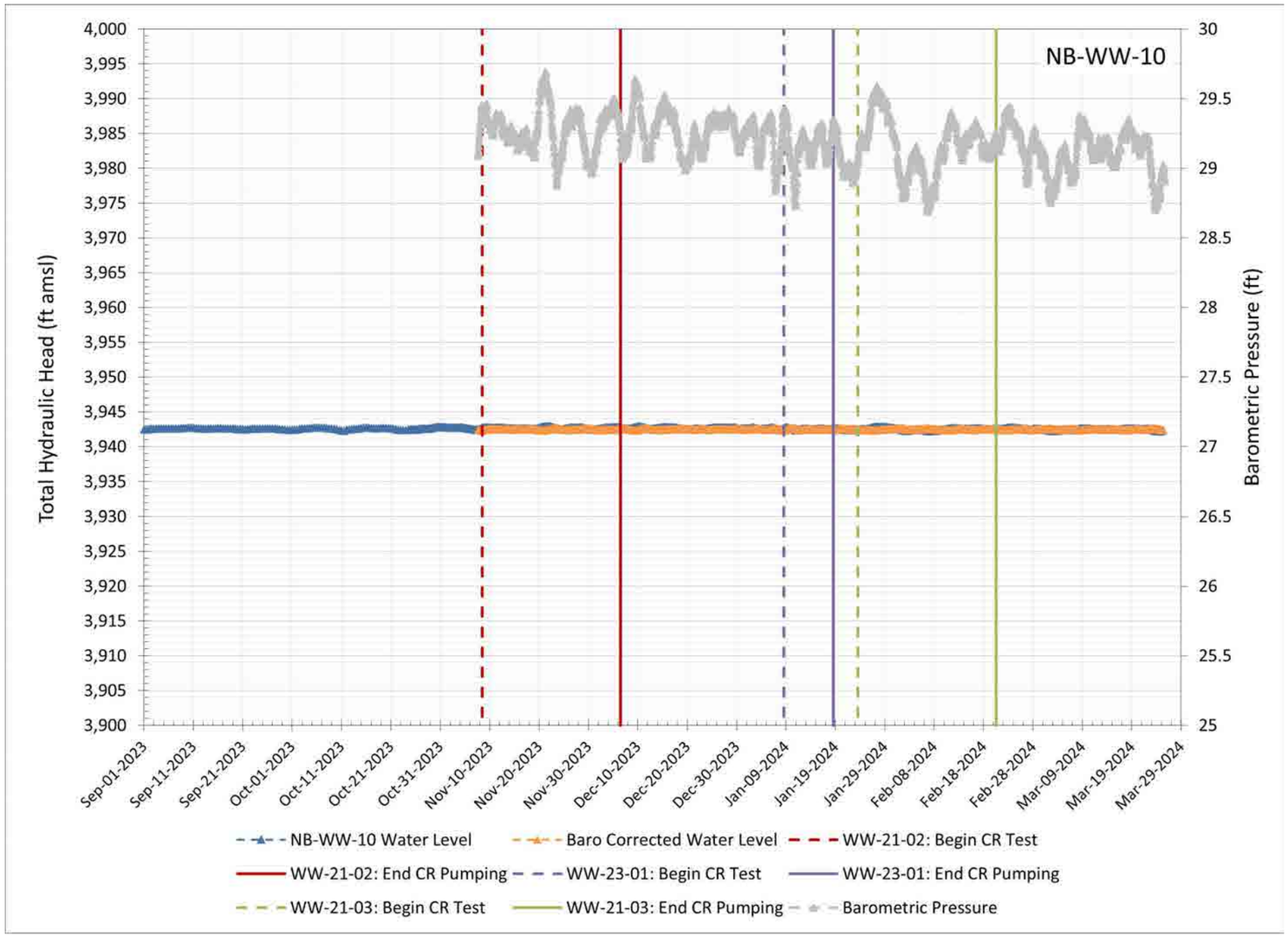


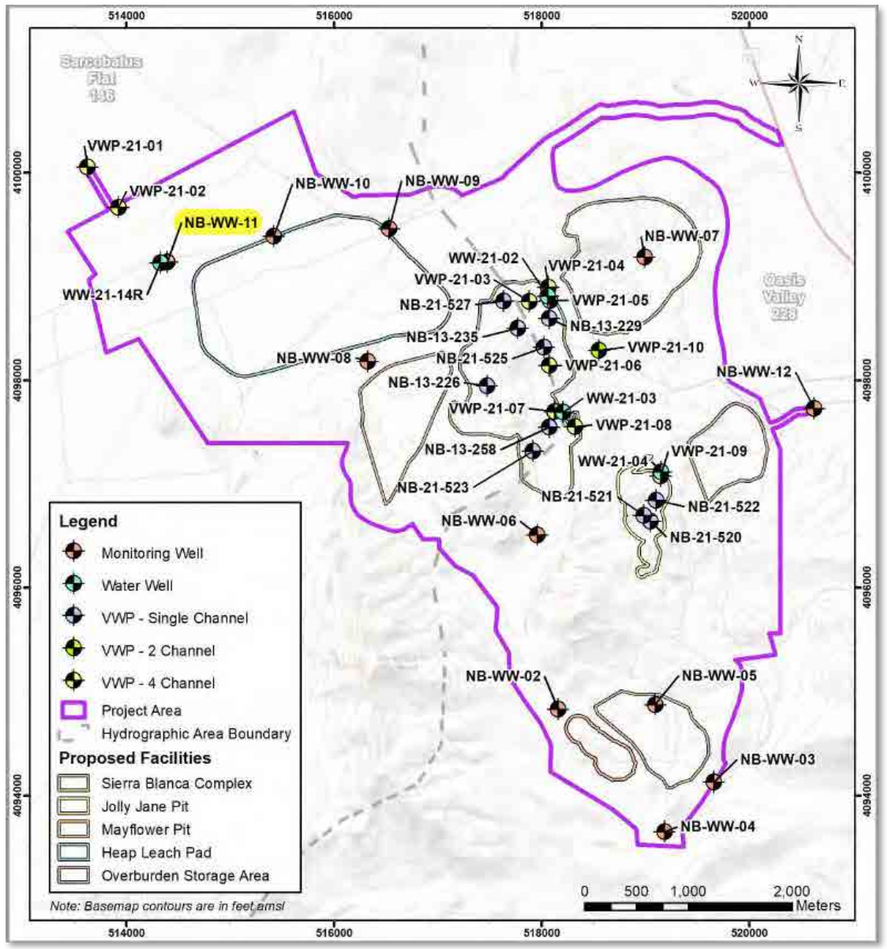
NB-WW-09		
Elevation Land Surface	ft amsl	4162
Total Depth Drilled	ft	300
Well Screen Depth	ft	180 to 300



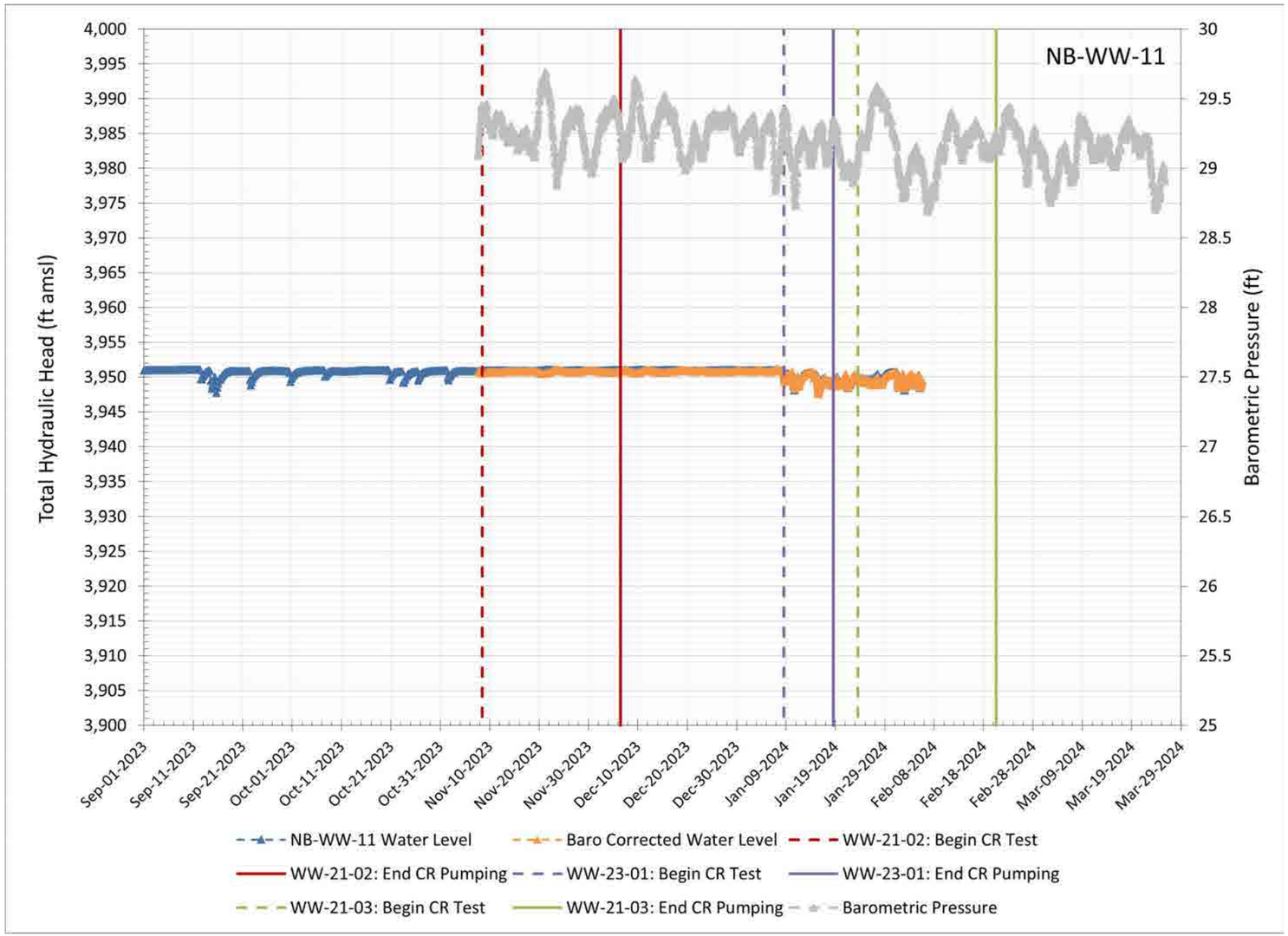


NB-WW-10		
Elevation Land Surface	ft amsl	4125
Total Depth Drilled	ft	260
Well Screen Depth	ft	138 to 260

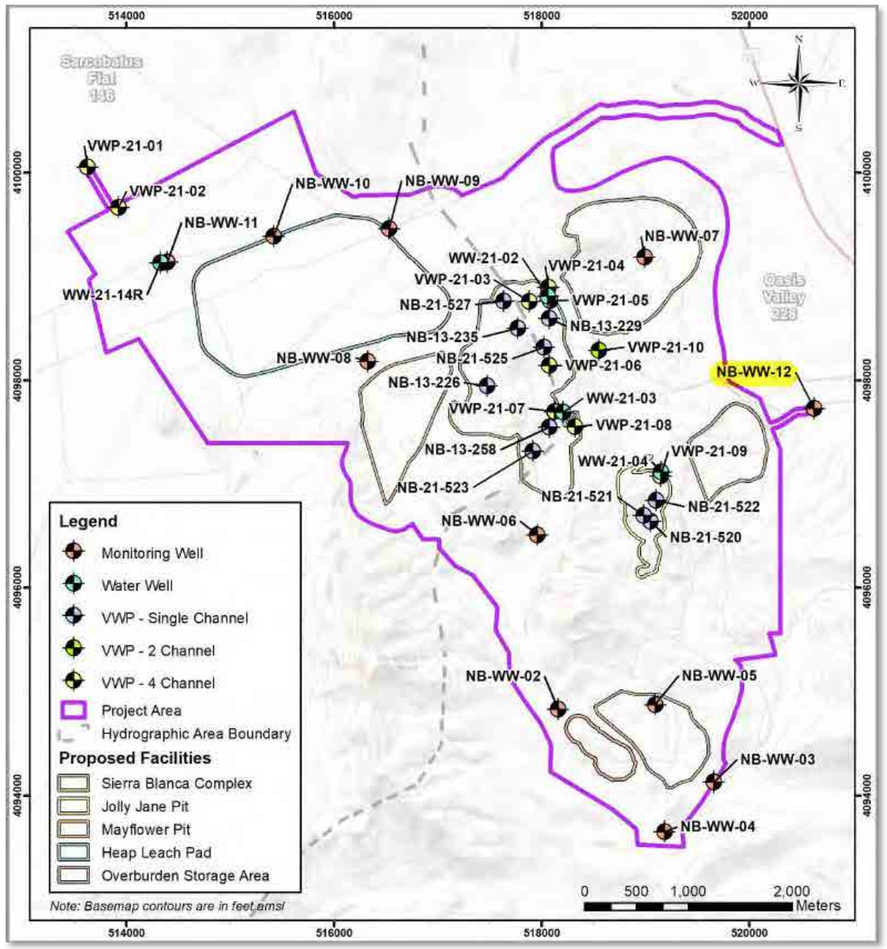




NB-WW-11		
Elevation Land Surface	ft amsl	4113
Total Depth Drilled	ft	240
Well Screen Depth	ft	138 to 240



No data collected post 2/5/2024 (Datalogger Error)



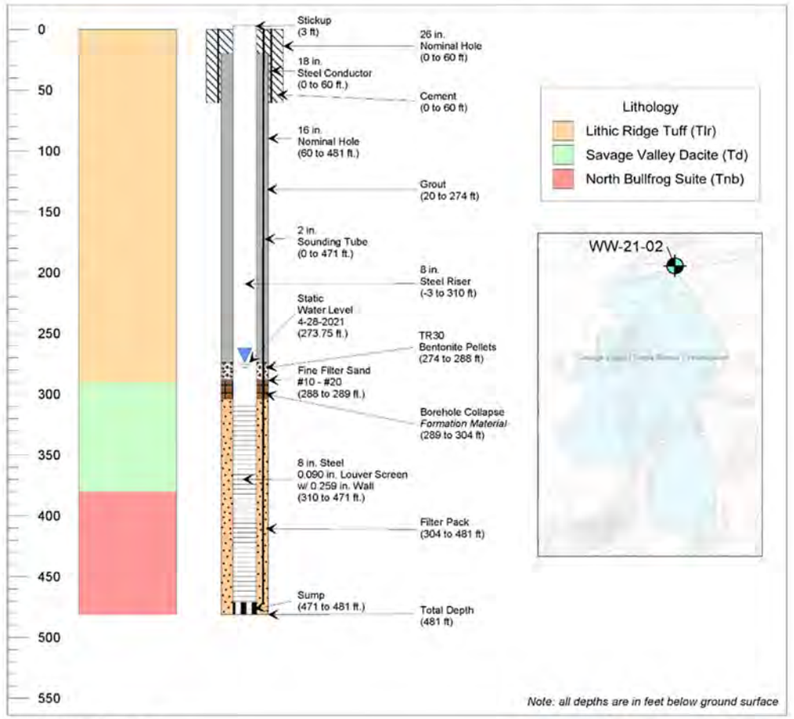
NB-WW-12		
Elevation Land Surface	ft amsl	3953
Total Depth Drilled	ft	180
Well Screen Depth	ft	78 to 180

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

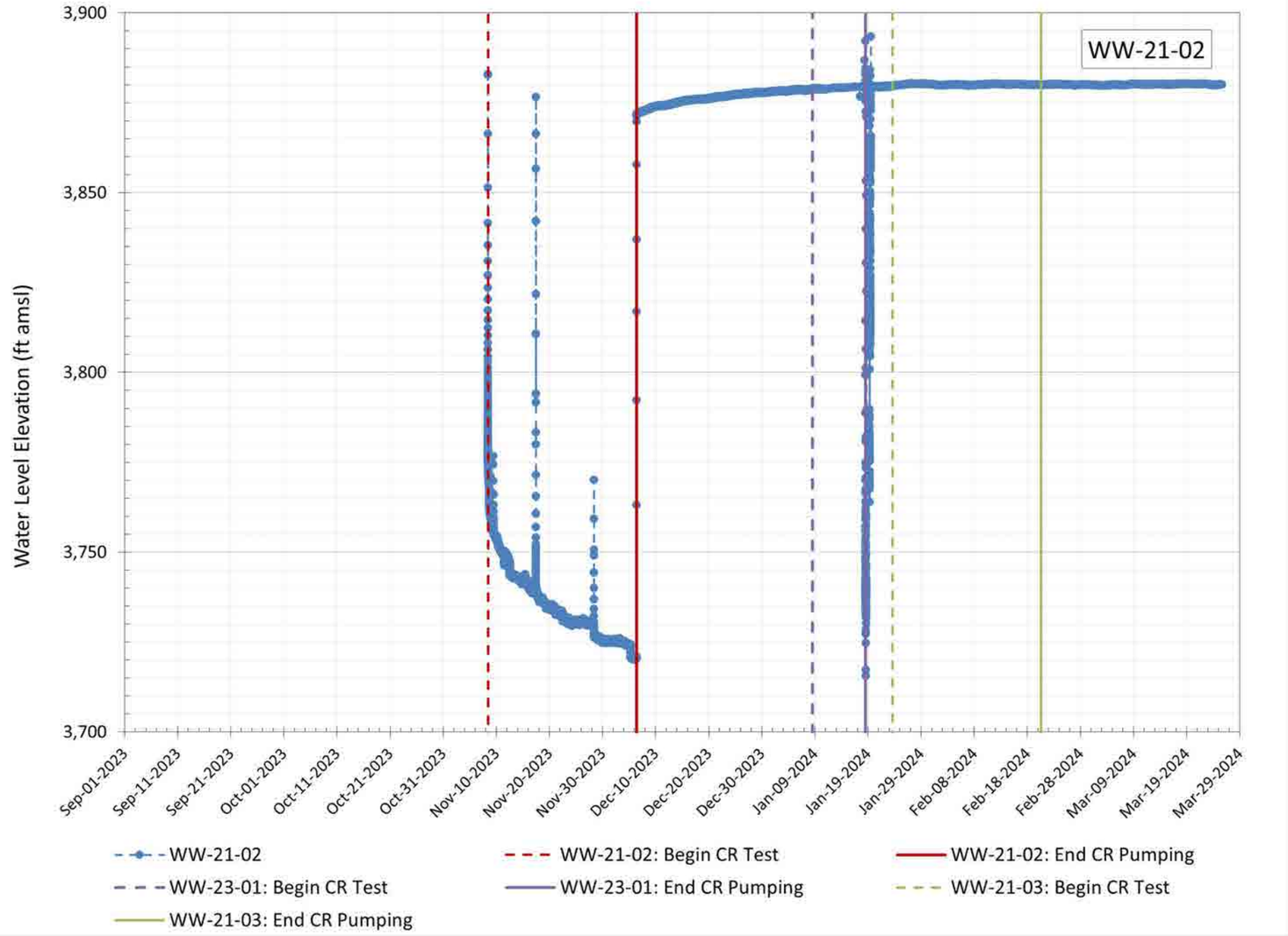
Client: Corvus Gold, Inc.

ID: WW-21-02



Location: North Sierra Blanca
Northing (NAD27): 4098615.56
Easting (NAD27): 518140.70
Ground Surface Elevation (ft amsl): 4158.92
Drilling and Installation Date
From: 4/18/2021
To: 4/28/2021
Driller: Boart Longyear
Drilling Method: Dual Tube Flooded Reverse Circulation

HydroGeoLogica

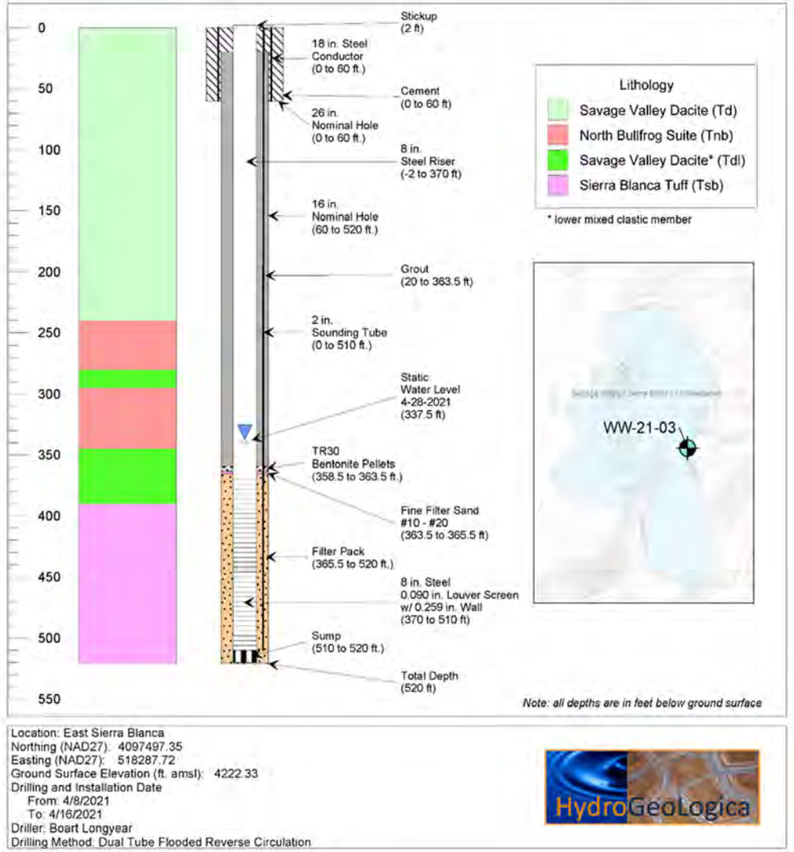


Borehole Log
&
Well Construction (As-Built)

Project: North Bullfrog

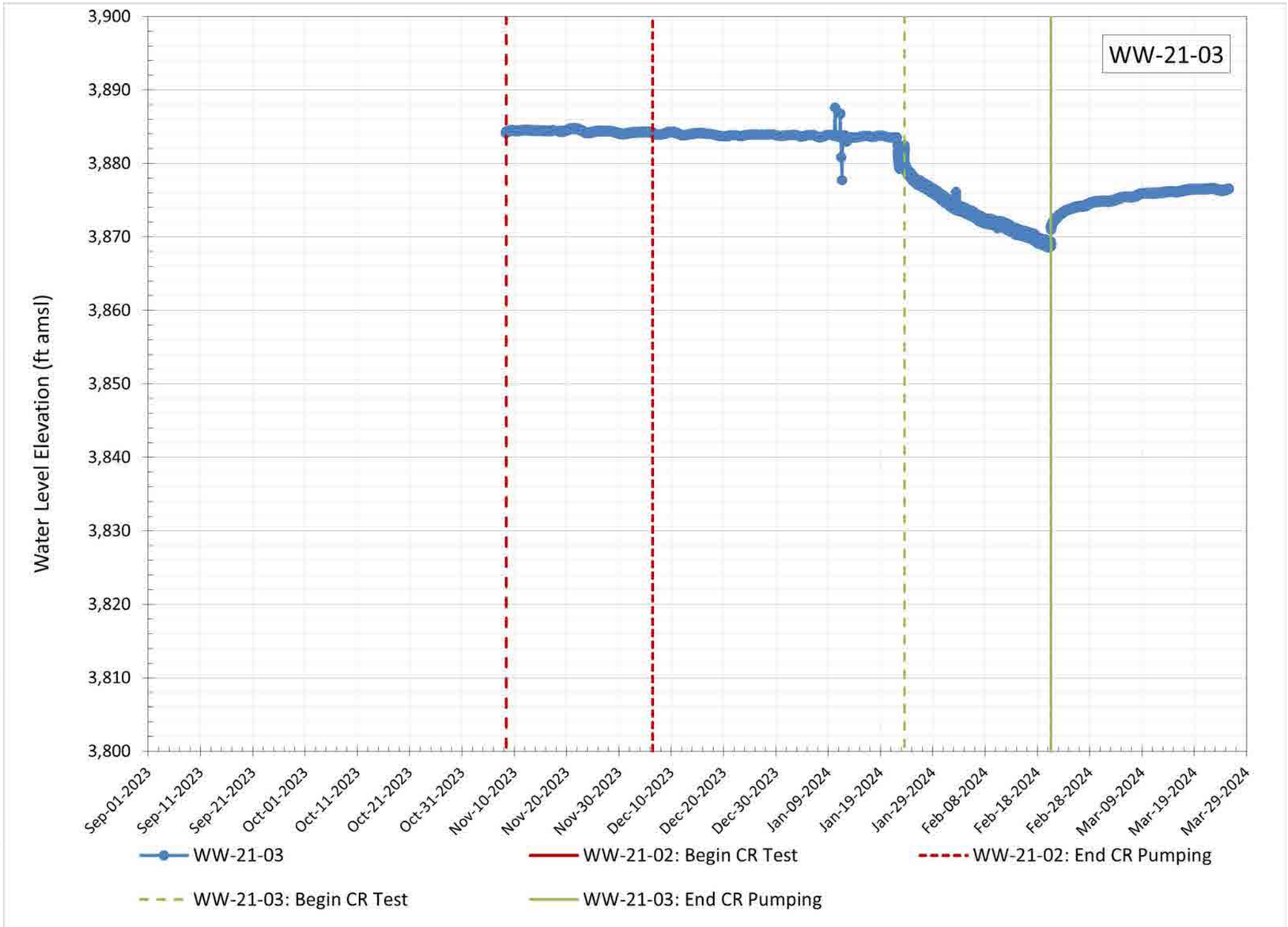
Client: Corvus Gold, Inc.

ID: WW-21-03



Location: East Sierra Blanca
Northing (NAD27): 4097497.35
Easting (NAD27): 518287.72
Ground Surface Elevation (ft. amsl): 4222.33
Drilling and Installation Date
From: 4/8/2021
To: 4/16/2021
Driller: Boart Longyear
Drilling Method: Dual Tube Flooded Reverse Circulation

HydroGeoLogica

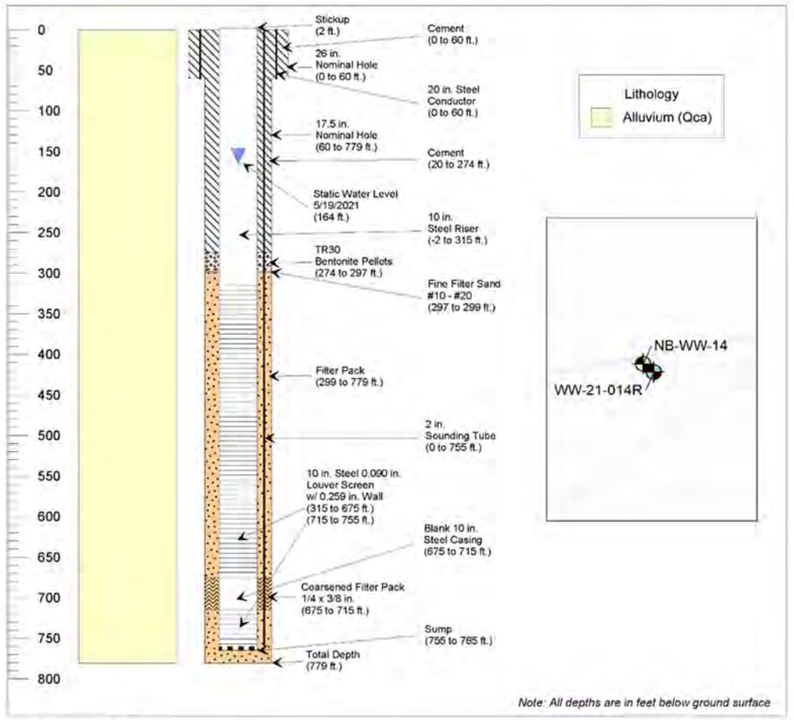


Borehole Log
&
Well Construction (As-Built)

Project: North Bullfrog

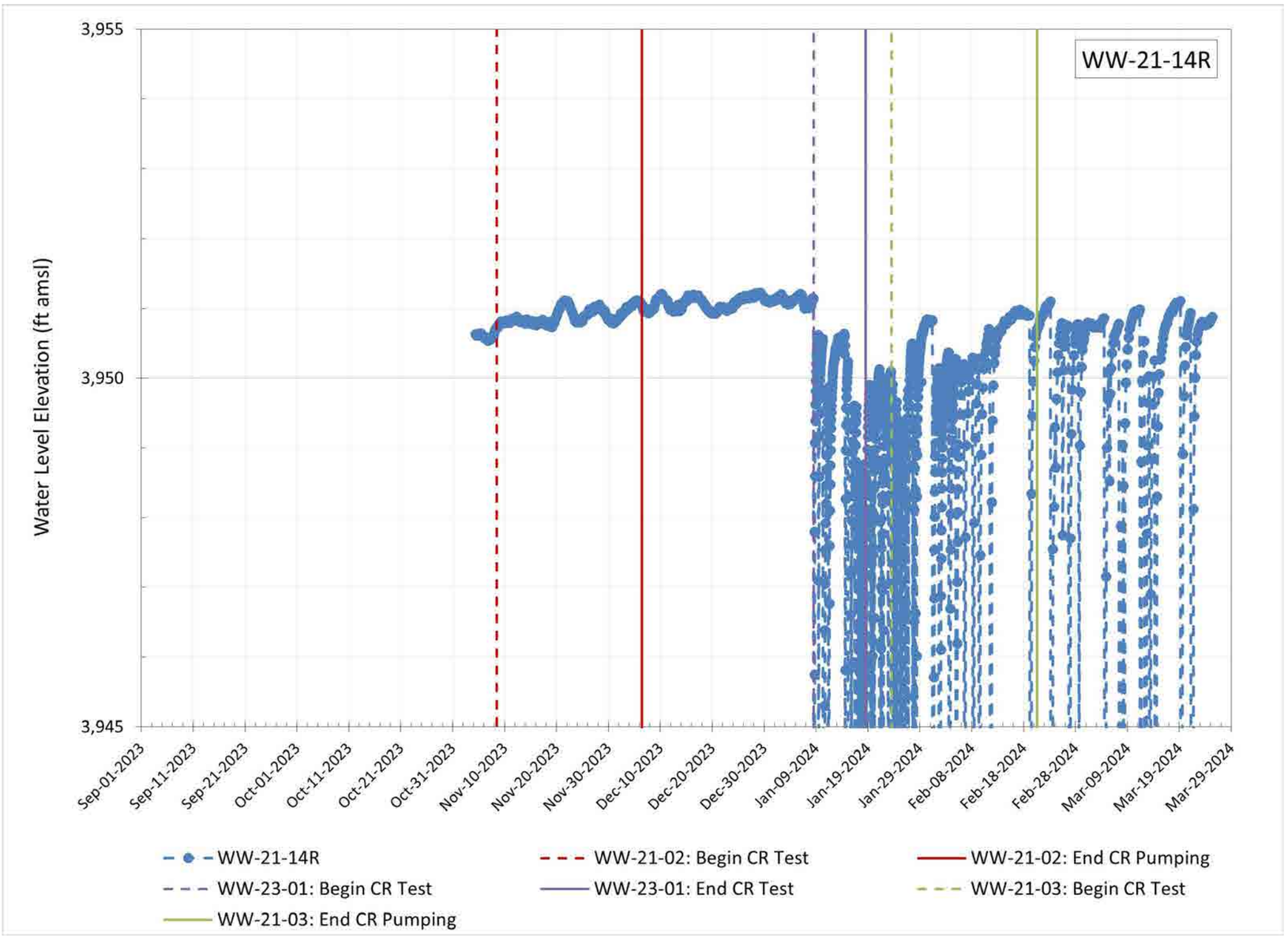
Client: Corvus Gold, Inc.

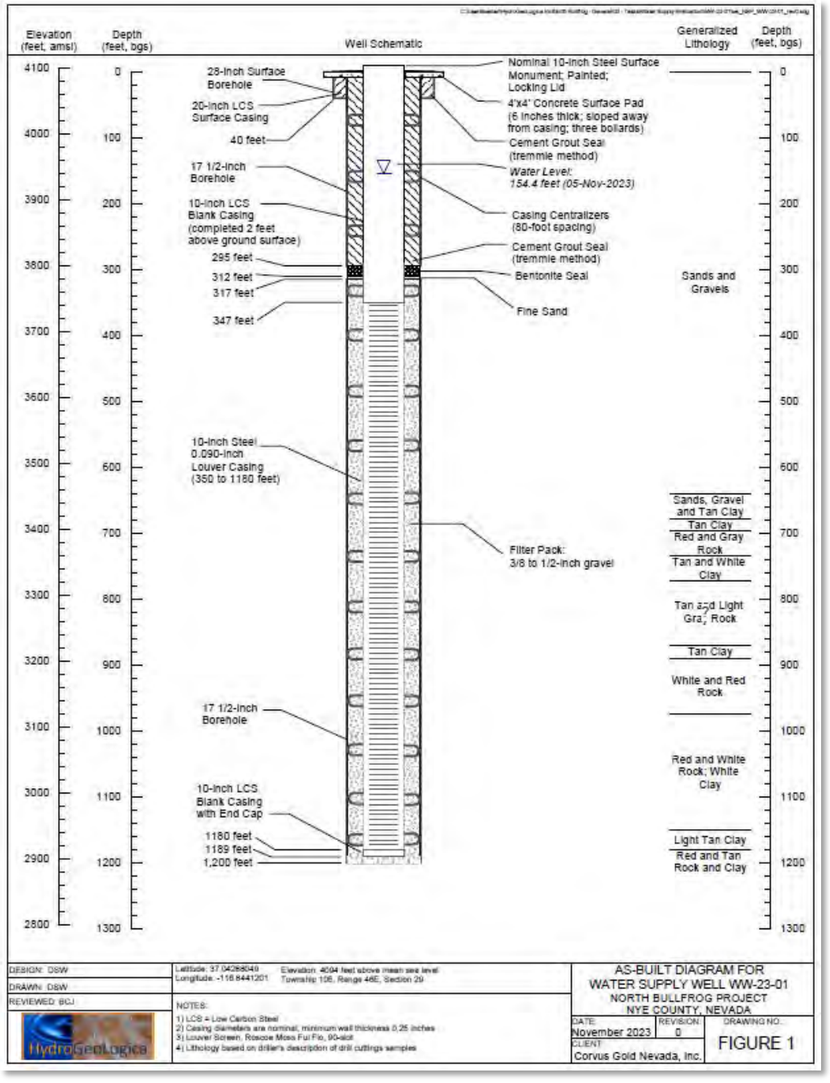
ID: WW-21-14R

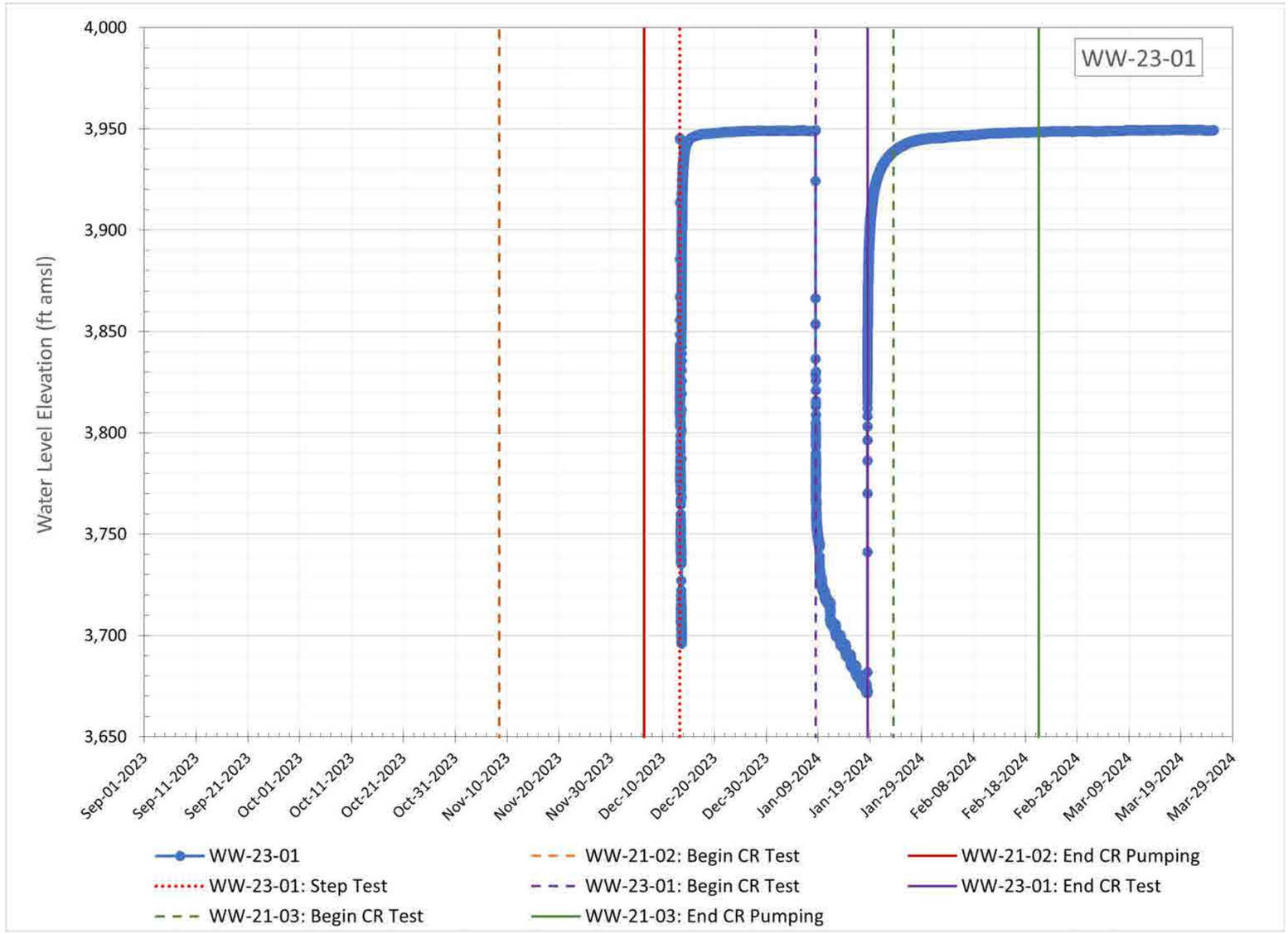


Location: Sarcobatus Flats
Northing (NAD27): 4098933.36
Easting (NAD27): 514407.03
Ground Surface Elevation (ft. amsl): 4112.96
Drilling and Installation Date
From: 5/9/2021
To: 5/19/2021
Driller: Boart Longyear
Drilling Method: Dual Tube Flooded Reverse Circulation

HydroGeoLogica




Elevation (feet, amsl)
Depth (feet, bgs)
Well Schematic
Generalized Lithology
Depth (feet, bgs)
28-Inch Surface Borehole
20-inch LCS Surface Casing
40 feet
17 1/2-Inch Borehole
10-inch LCS Blank Casing (completed 2 feet above ground surface)
295 feet
312 feet
317 feet
347 feet
10-Inch Steel 0.090-Inch Louver Casing (350 to 1180 feet)
17 1/2-Inch Borehole
10-Inch LCS Blank Casing with End Cap
1180 feet
1189 feet
1,200 feet
Nominal 10-Inch Steel Surface Monument; Painted; Locking Lid
4'x4' Concrete Surface Pad (6 inches thick; sloped away from casing; three bollards)
Cement Grout Seal (tremmie method)
Water Level: 154.4 feet (05-Nov-2023)
Casing Centralizers (80-foot spacing)
Cement Grout Seal (tremmie method)
Bentonite Seal
Fine Sand
Filter Pack: 3/8 to 1/2-inch gravel
Sands and Gravels
Sands, Gravel and Tan Clay
Tan Clay
Red and Gray Rock
Tan and White Clay
Tan and Light Gray Rock
Tan Clay
White and Red Rock
Red and White Rock; White Clay
Light Tan Clay
Red and Tan Rock and Clay
DESIGN: DSW
DRAWN: DSW
REVIEWED: BCJ
Latitude: 37.04268049 Elevation: 4094 feet above mean sea level
Longitude: -116.8441201 Township 10S, Range 46E, Section 29
NOTES:
1) LCS = Low Carbon Steel
2) Casing diameters are nominal; minimum wall thickness 0.25 inches
3) Louver Screen, Roscoe Moss Full Flo, 90-slot
4) Lithology based on driller's description of drill cuttings samples
HydroGeoLogics
AS-BUILT DIAGRAM FOR WATER SUPPLY WELL WW-23-01
NORTH BULLFROG PROJECT
NYE COUNTY, NEVADA
DATE: November 2023
REVISION: 0
DRAWING NO.: FIGURE 1
CLIENT: Corvus Gold Nevada, Inc.

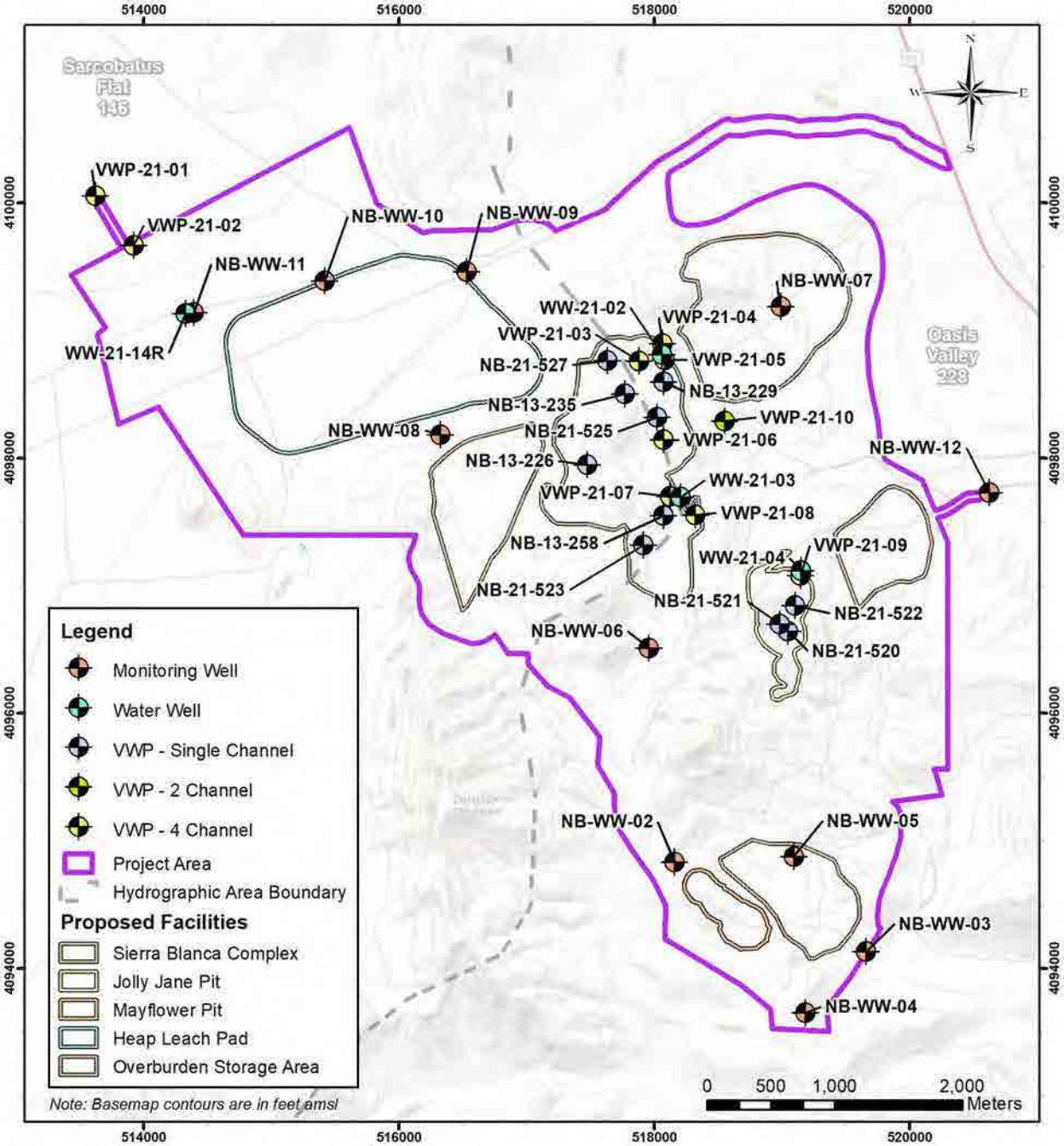

WW-23-01
Water Level Elevation (ft amsl)
4,000
3,950
3,900
3,850
3,800
3,750
3,700
3,650
Sep-01-2023
Sep-11-2023
Sep-21-2023
Oct-01-2023
Oct-11-2023
Oct-21-2023
Oct-31-2023
Nov-10-2023
Nov-20-2023
Nov-30-2023
Dec-10-2023
Dec-20-2023
Dec-30-2023
Jan-09-2024
Jan-19-2024
Jan-29-2024
Feb-08-2024
Feb-18-2024
Feb-28-2024
Mar-09-2024
Mar-19-2024
Mar-29-2024
WW-23-01
WW-21-02: Begin CR Test
WW-21-02: End CR Pumping
WW-23-01: Step Test
WW-23-01: Begin CR Test
WW-23-01: End CR Test
WW-21-03: Begin CR Test
WW-21-03: End CR Pumping

Corvus Gold Nevada Inc.

ATTACHMENT E

WATER LEVEL RESULTS:

E2: VWPS

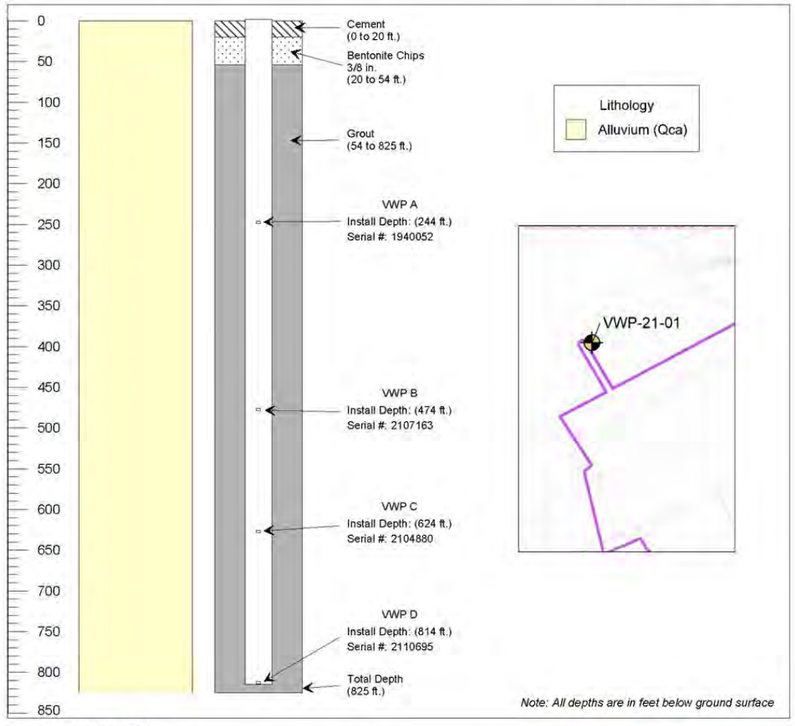

514000
516000
518000
520000
4100000
4098000
4096000
4094000
Sarcobatus Flat 146
Oasis Valley 228
N
S
E
W
VWP-21-01
VWP-21-02
NB-WW-10
NB-WW-09
NB-WW-11
WW-21-14R
NB-WW-07
WW-21-02
VWP-21-04
VWP-21-03
NB-21-527
VWP-21-05
NB-13-229
NB-13-235
VWP-21-10
NB-WW-08
NB-21-525
VWP-21-06
NB-13-226
NB-WW-12
WW-21-03
VWP-21-07
VWP-21-08
NB-13-258
WW-21-04
VWP-21-09
NB-21-523
NB-21-521
NB-21-522
NB-WW-06
NB-21-520
NB-WW-02
NB-WW-05
NB-WW-03
NB-WW-04
Legend
Monitoring Well
Water Well
VWP - Single Channel
VWP - 2 Channel
VWP - 4 Channel
Project Area
Hydrographic Area Boundary
Proposed Facilities
Sierra Blanca Complex
Jolly Jane Pit
Mayflower Pit
Heap Leach Pad
Overburden Storage Area
Note: Basemap contours are in feet amsl
0
500
1,000
2,000
Meters

Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

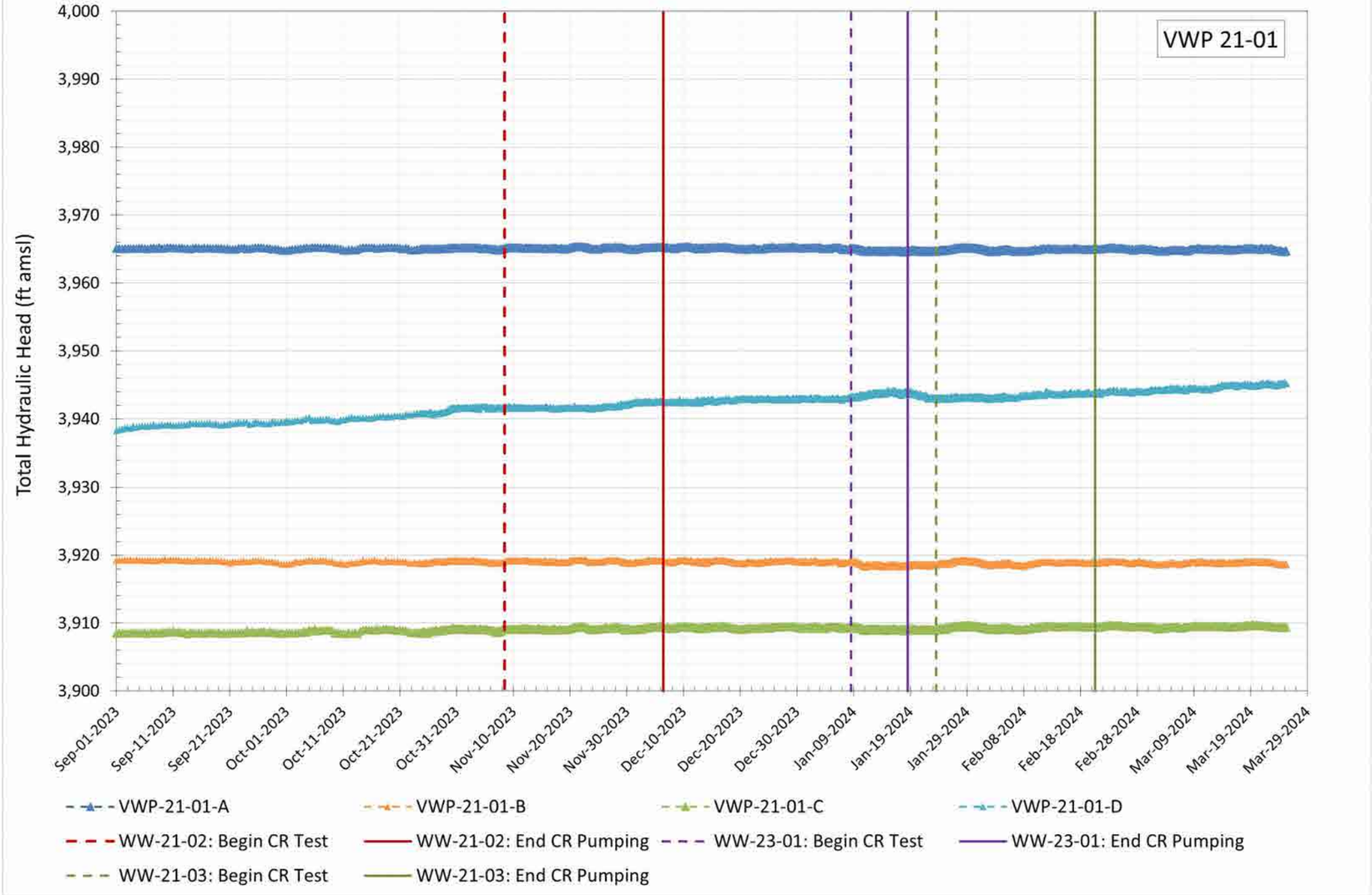
Client: Corvus Gold, Inc.

ID: VWP-21-01



Location: Sarcobatus Flats
Northing (NAD27): 4099859.83
Easting (NAD27): 513702.03
Ground Surface Elevation (ft amsl): 4083.08
Drilling and Installation Date
From: 4/25/2021
To: 4/28/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

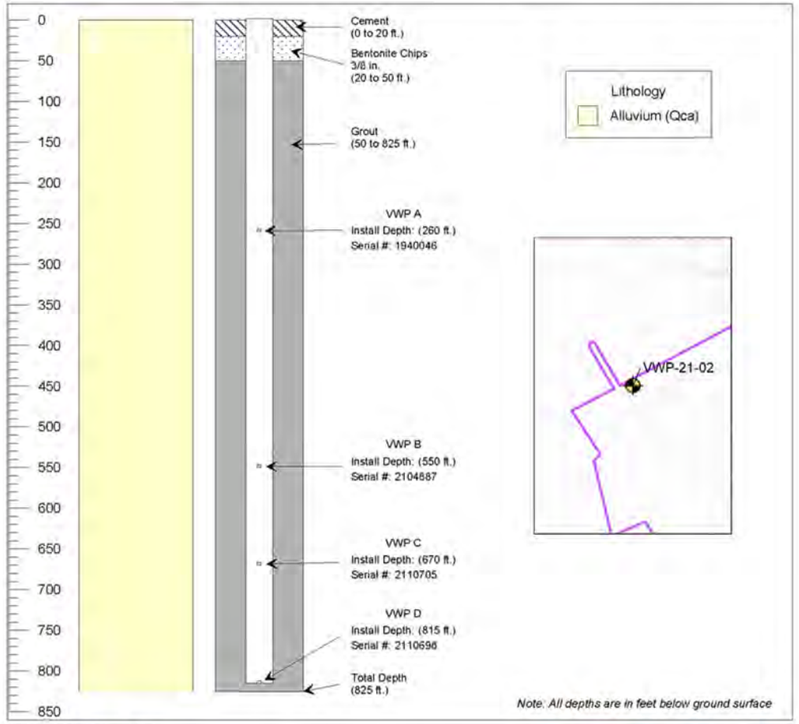


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

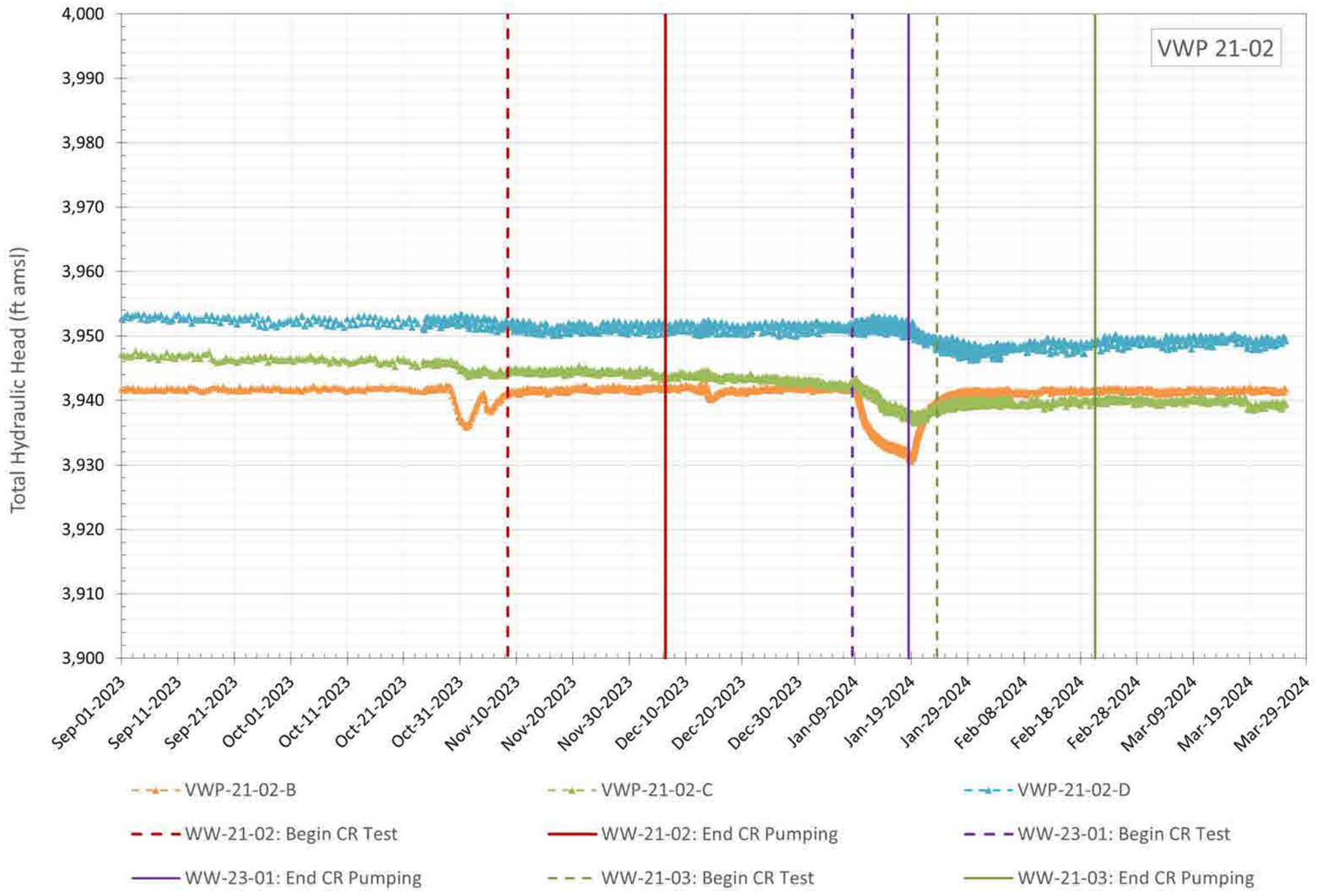
Client: Corvus Gold, Inc.

ID: VWP-21-02



Location: Sarcobatus Flats
Northing (NAD27): 4099469.30
Easting (NAD27): 514001.13
Ground Surface Elevation (ft. amsl): 4093.57
Drilling and Installation Date
From: 4/29/2021
To: 4/30/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

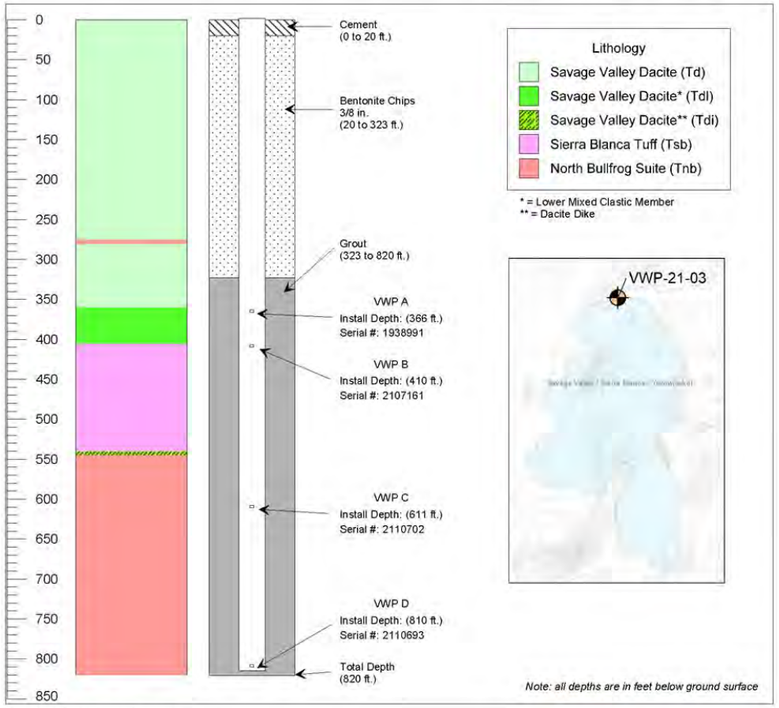


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

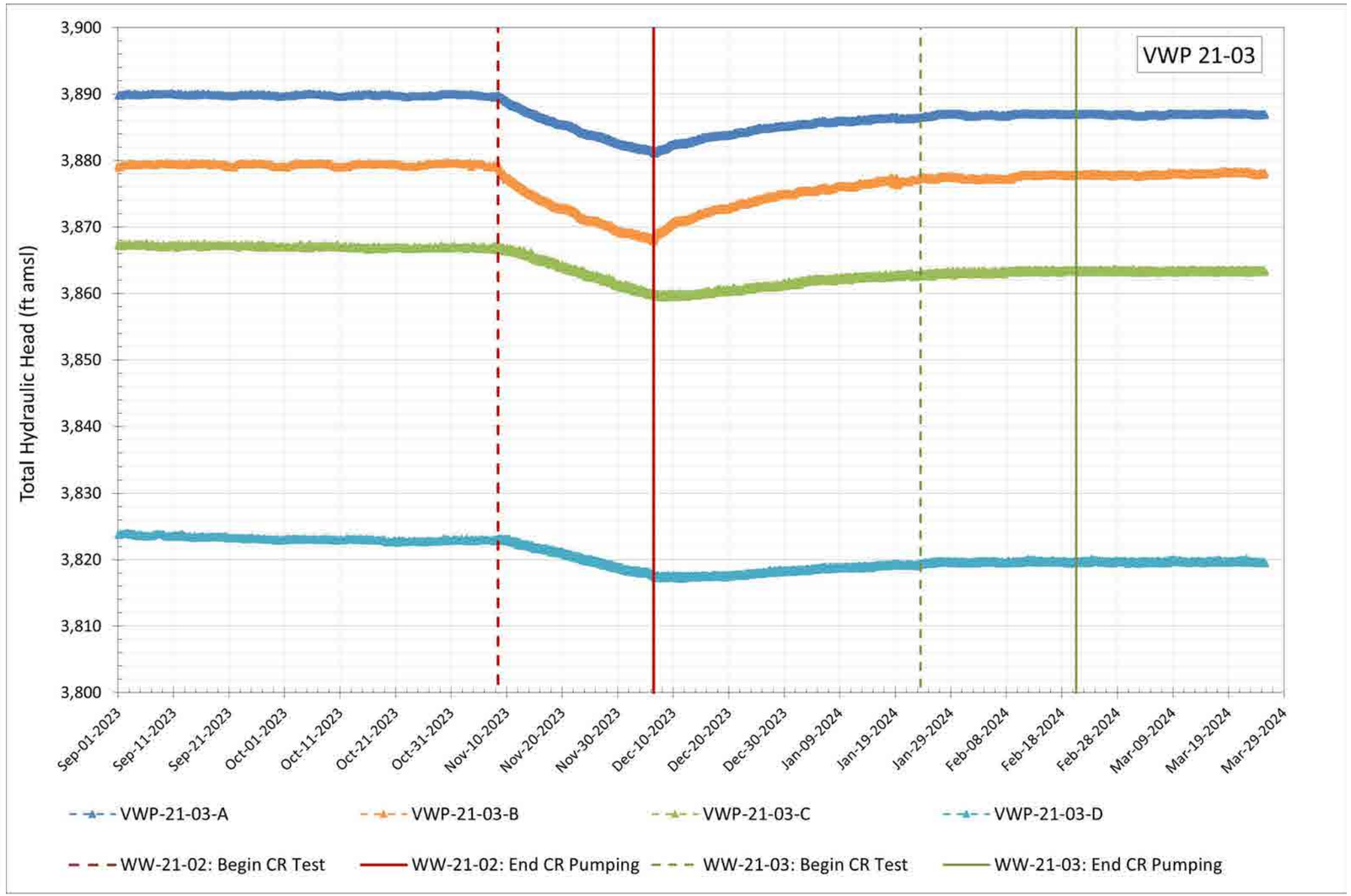
Client: Corvus Gold, Inc.

ID: VWP-21-03



Location: North Sierra Blanca
Northing (NAD27): 4098563.52
Easting (NAD27): 517962.24
Ground Surface Elevation (ft. amsl): 4185.72
Drilling and Installation Date
From: 4/12/2021
To: 4/24/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

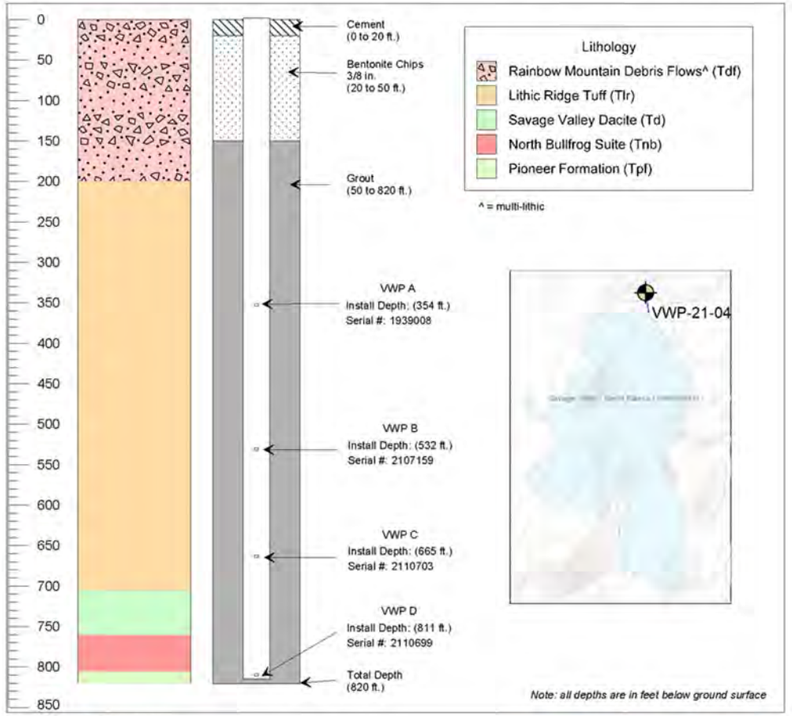


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

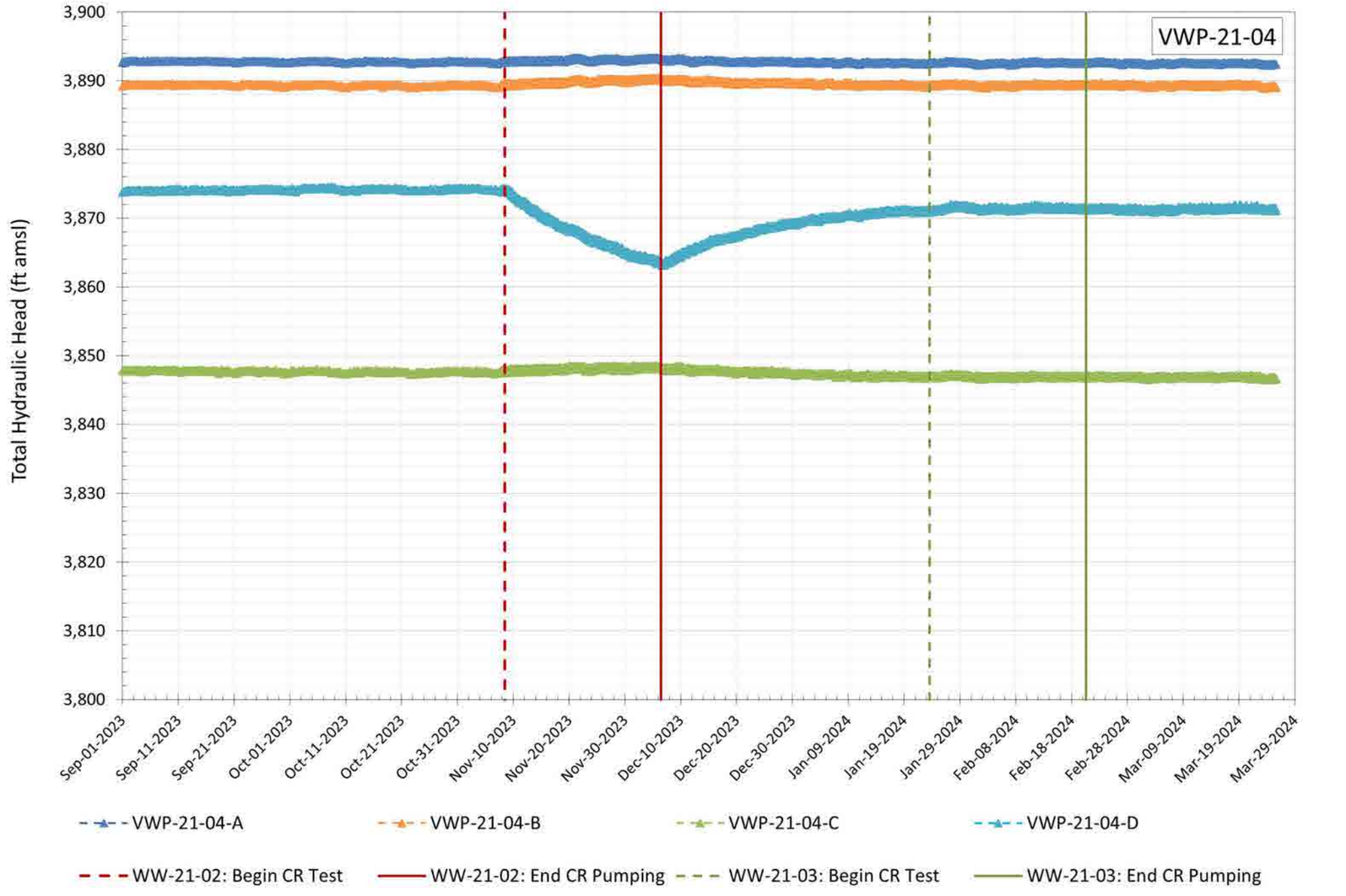
Client: Corvus Gold, Inc.

ID: VWP-21-04



Location: North Sierra Blanca
Northing (NAD27): 4098701.83
Easting (NAD27): 518145.19
Ground Surface Elevation (ft. amsl): 4176.53
Drilling and Installation Date
From: 4/10/2021
To: 4/11/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

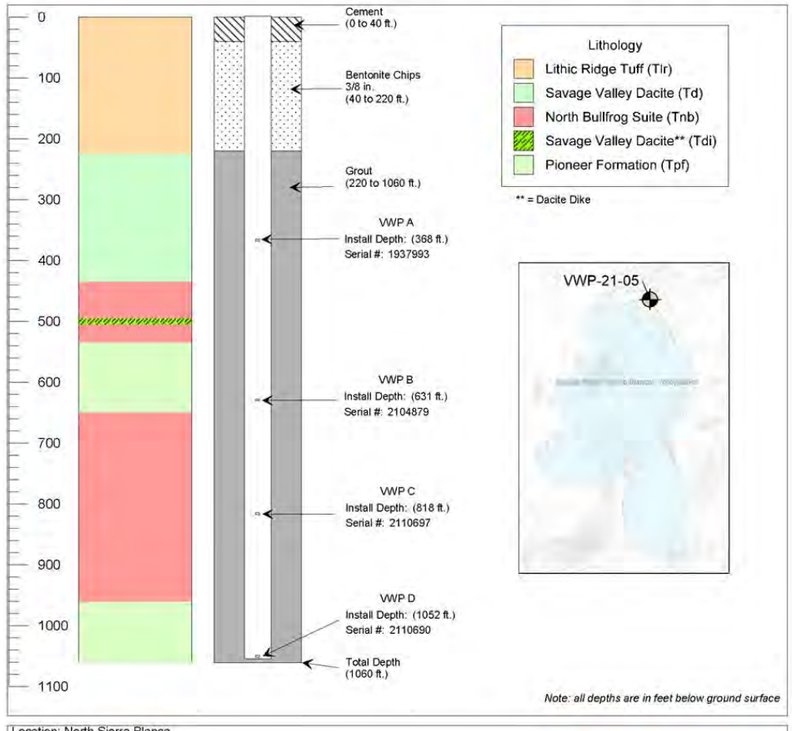


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

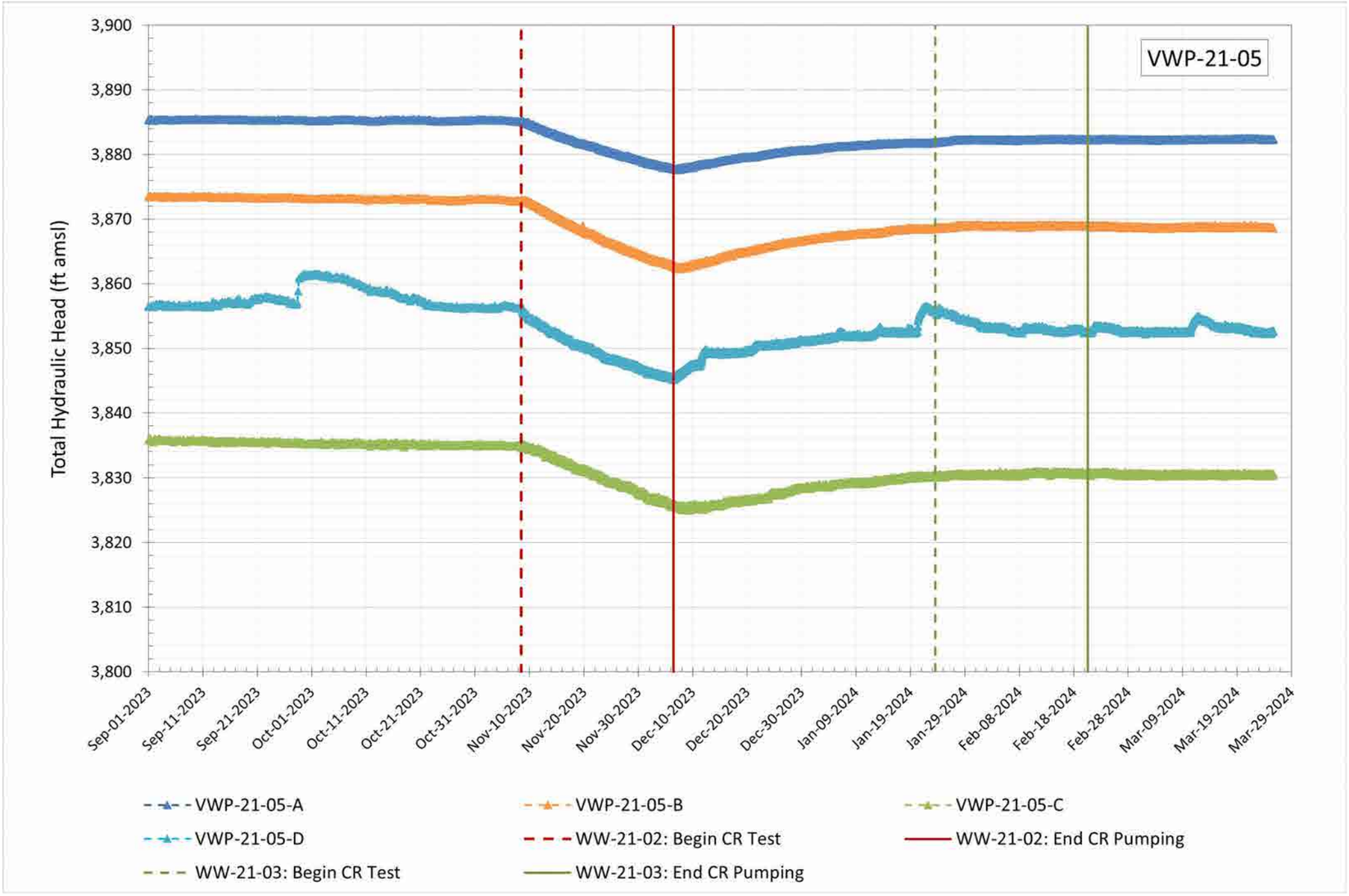
Client: Corvus Gold, Inc.

ID: VWP-21-05



Location: North Sierra Blanca
Northing (NAD27): 4098571.89
Easting (NAD27): 518163.04
Ground Surface Elevation (ft. amsl): 4169.36
Drilling and Installation Date
From: 4/4/2021
To: 4/9/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

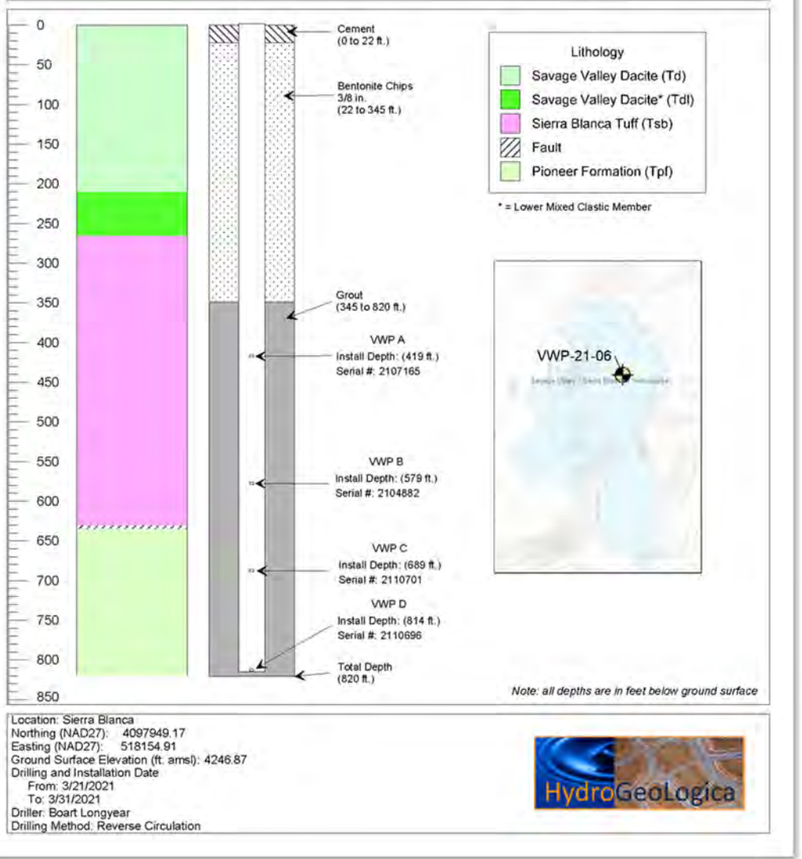


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

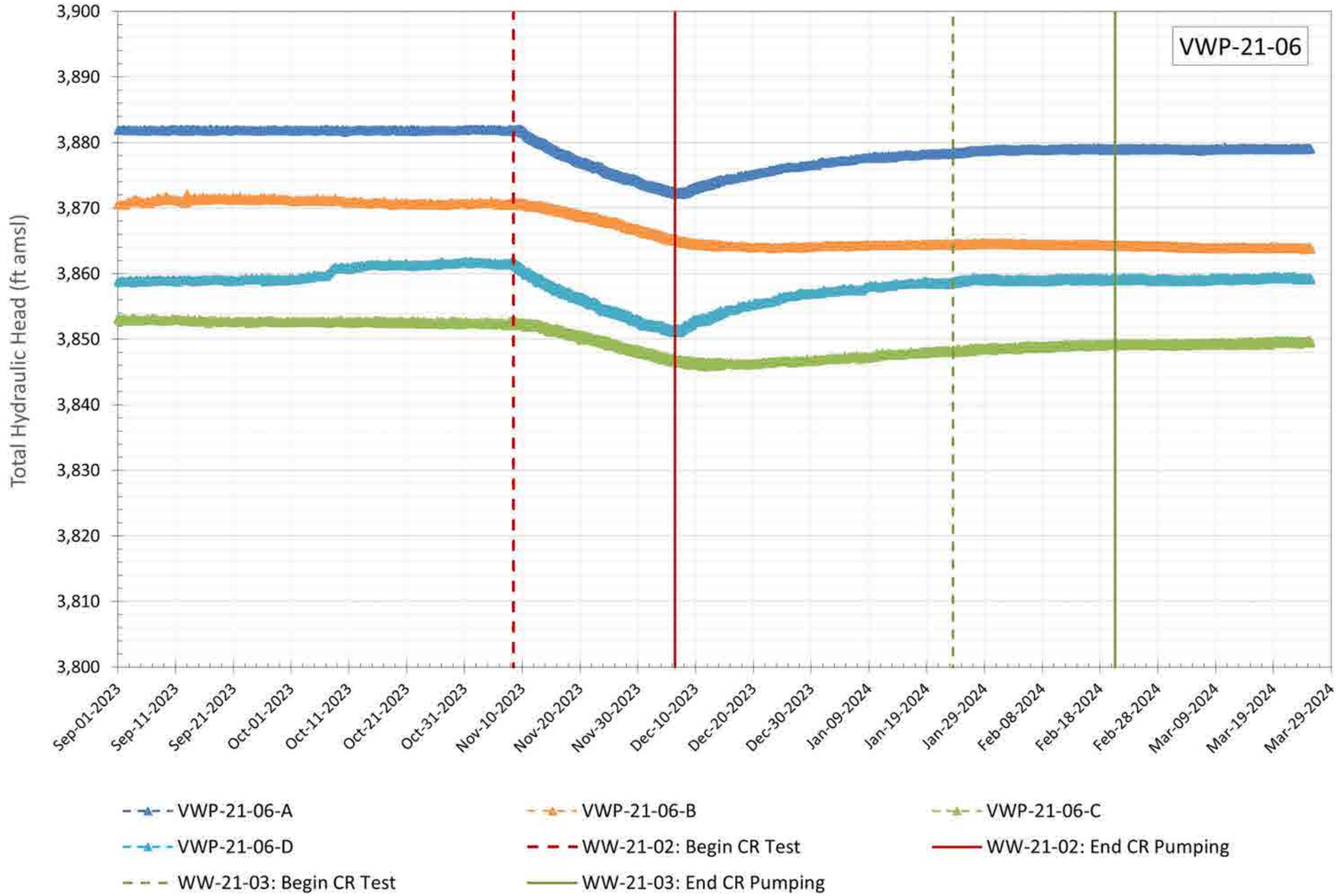
Client: Corvus Gold, Inc.

ID: VWP-21-06



Location: Sierra Blanca
Northing (NAD27): 4097949.17
Easting (NAD27): 518154.91
Ground Surface Elevation (ft. amsl): 4246.87
Drilling and Installation Date
From: 3/21/2021
To: 3/31/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

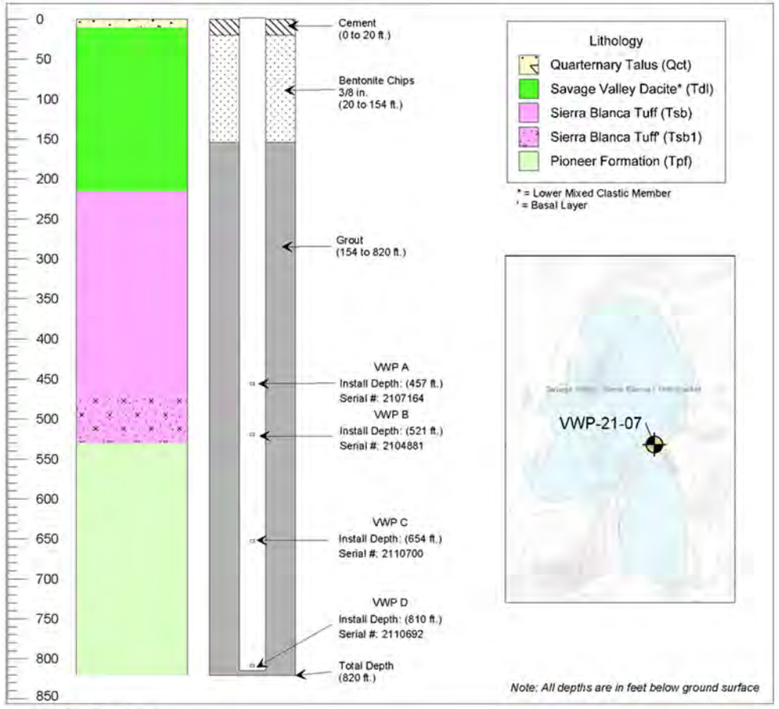


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

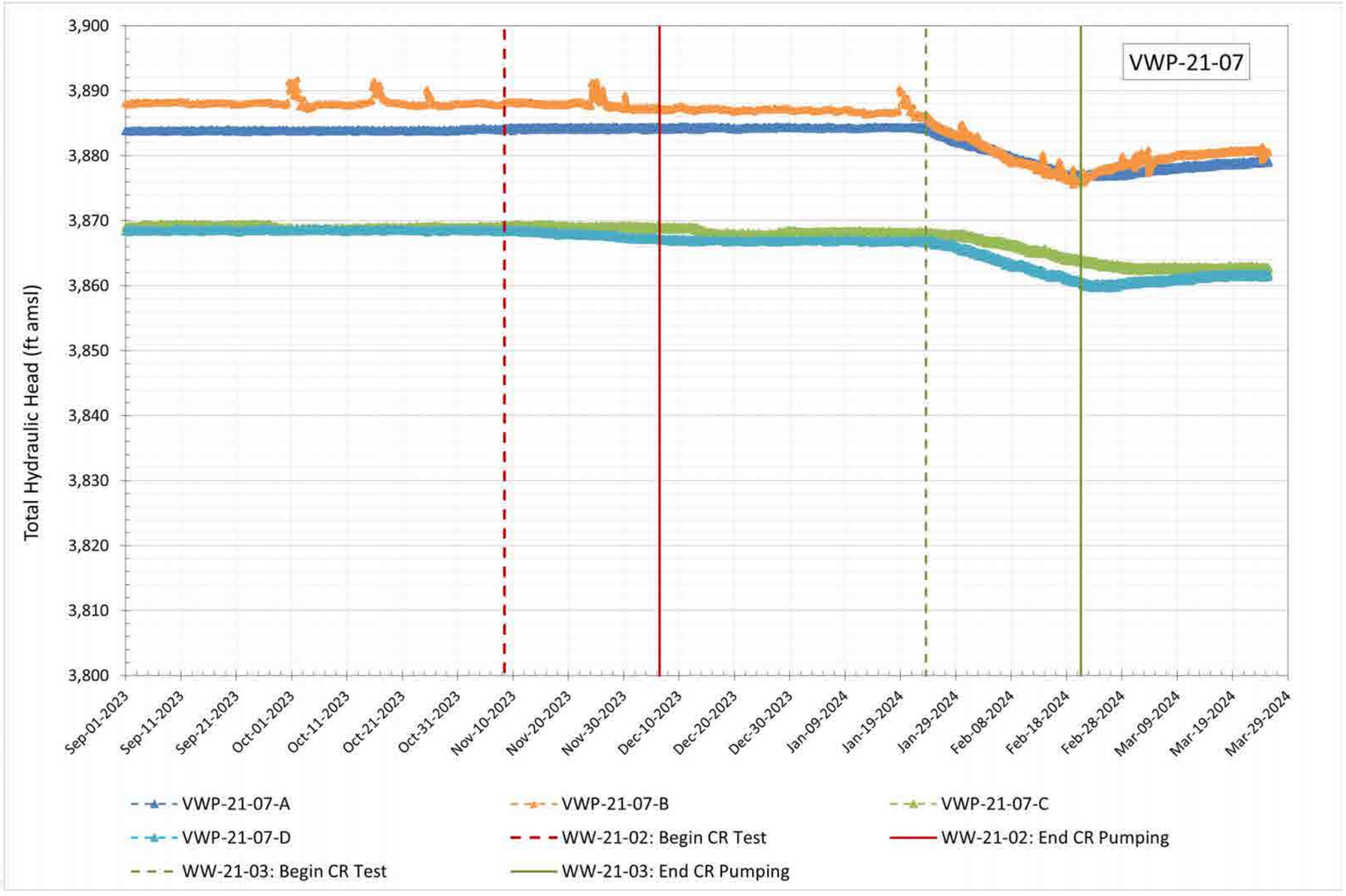
Client: Corvus Gold, Inc.

ID: VWP-21-07



Location: East Sierra Blanca
Northing (NAD27): 4097502.75
Easting (NAD27): 518203.12
Ground Surface Elevation (ft. amsl): 4266.88
Drilling and Installation Date
From: 4/1/2021
To: 4/3/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

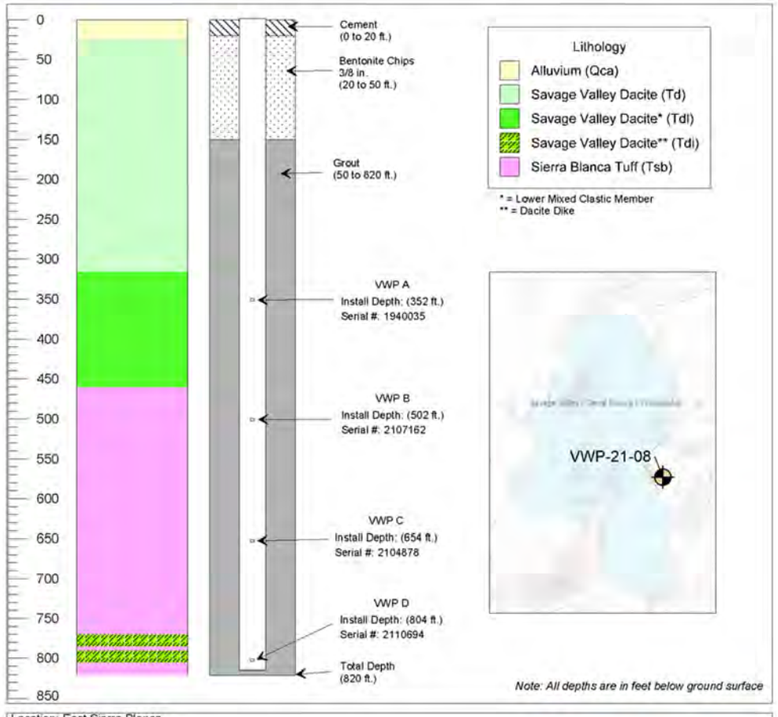


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

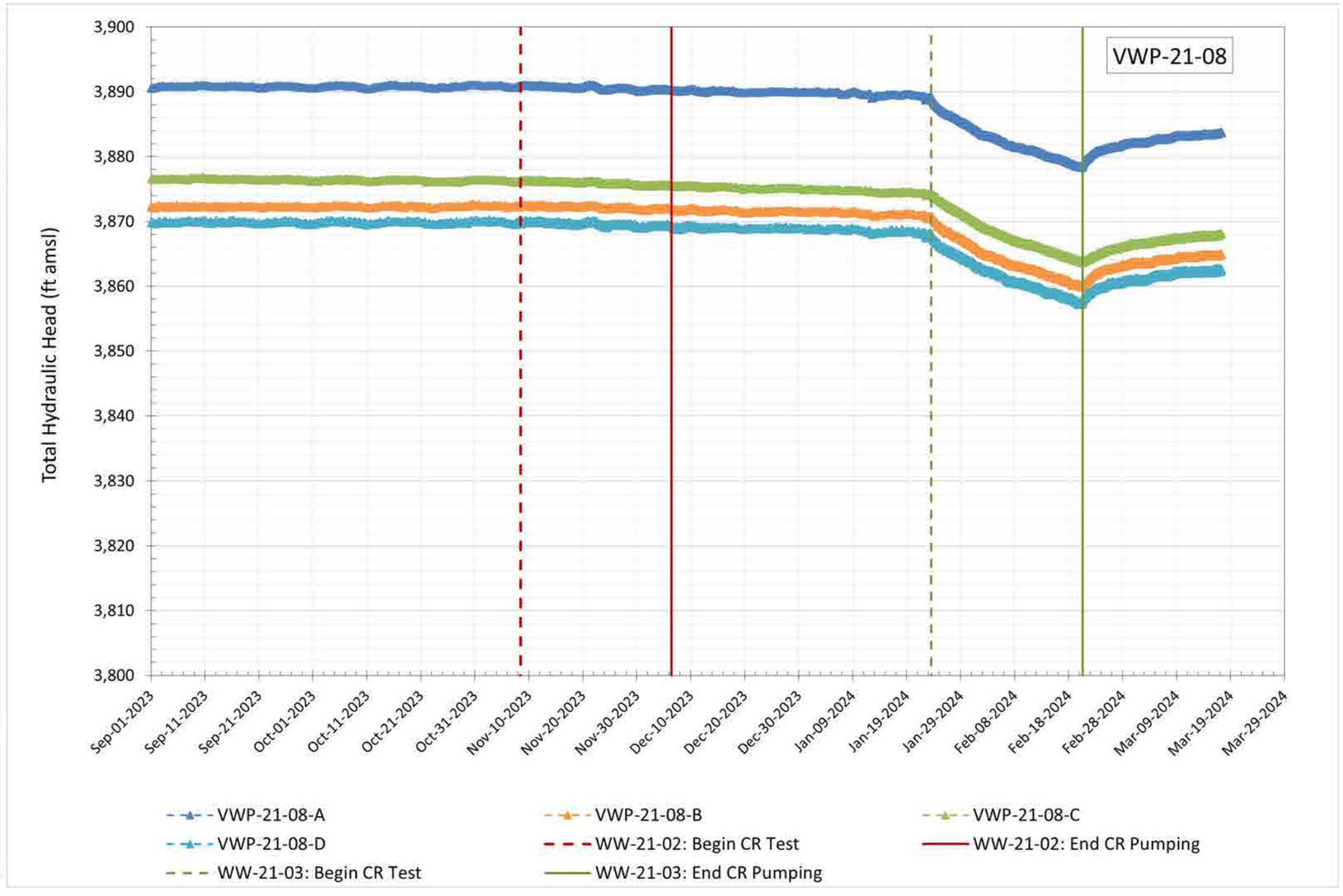
Client: Corvus Gold, Inc.

ID: VWP-21-08



Location: East Sierra Blanca
Northing (NAD27): 4097356.35
Easting (NAD27): 518401.02
Ground Surface Elevation (ft. amsl): 4191.89
Drilling and Installation Date
From: 3/17/2021
To: 3/21/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

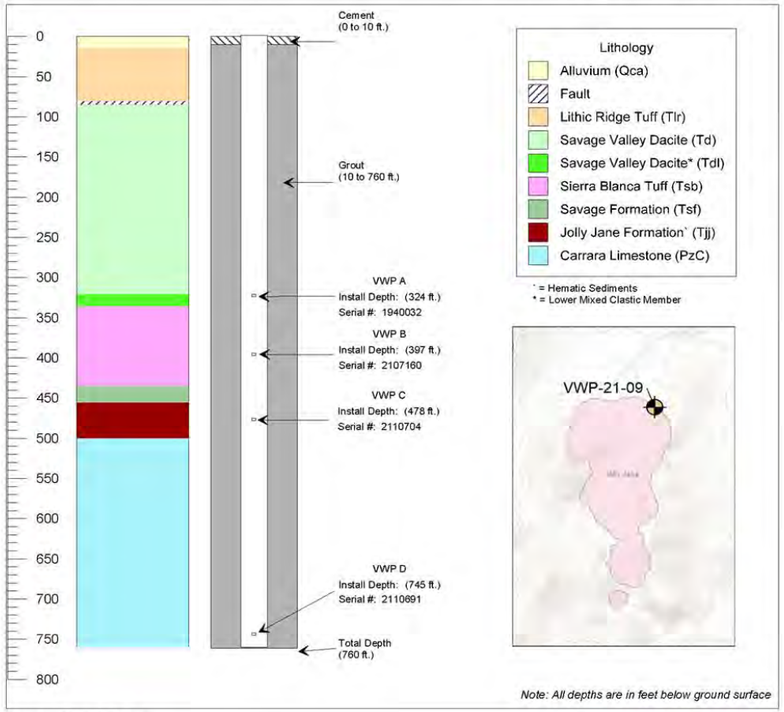


Borehole Log & Well Construction (As-Built)

Project: North Bullfrog

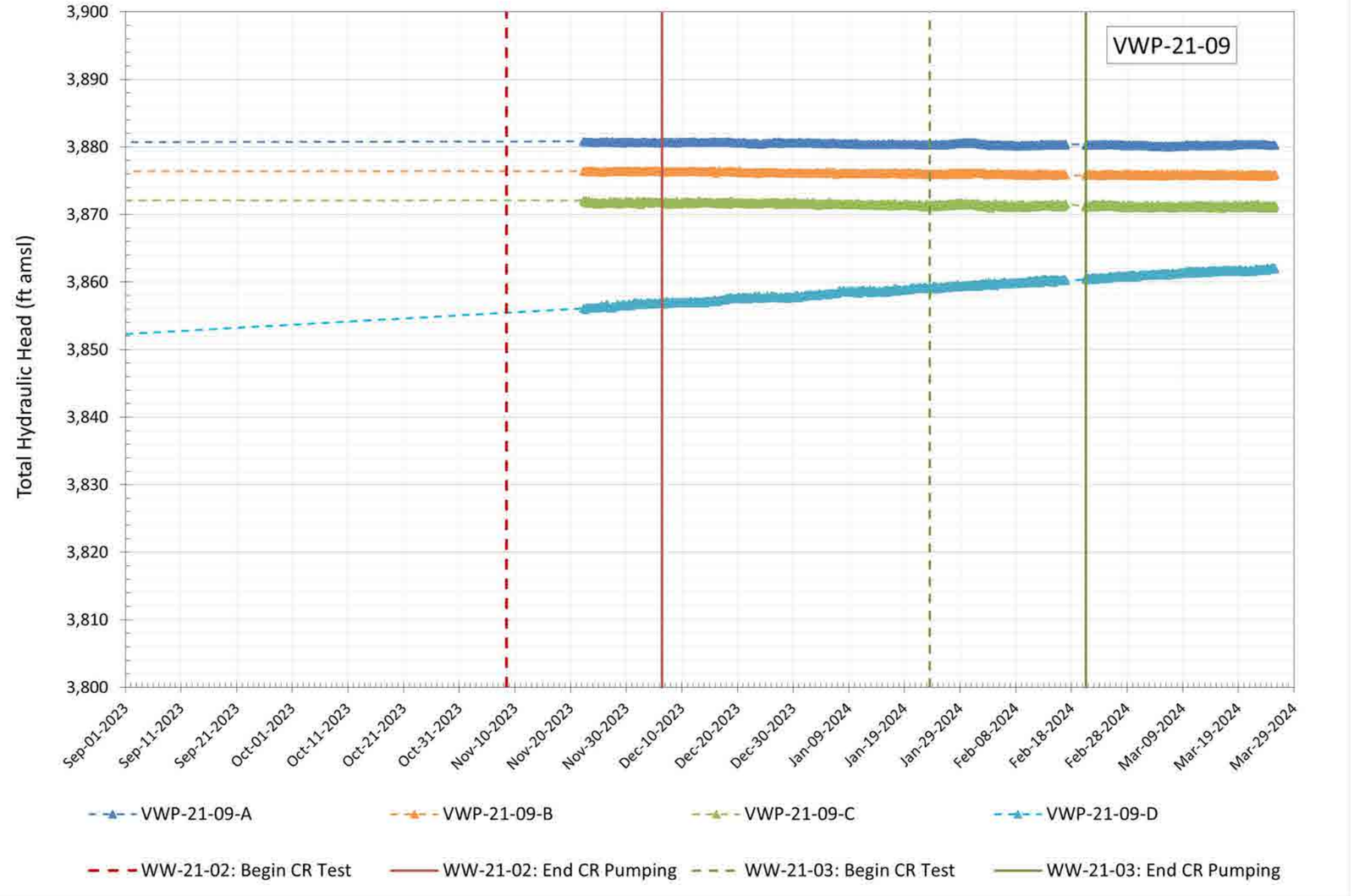
Client: Corvus Gold, Inc.

ID: VWP-21-09



Location: North Jolly Jane
Northing (NAD27): 4096880.53
Easting (NAD27): 519227.98
Ground Surface Elevation (ft. amsl): 1269.33
Drilling and Installation Date
From: 3/13/2021
To: 3/16/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

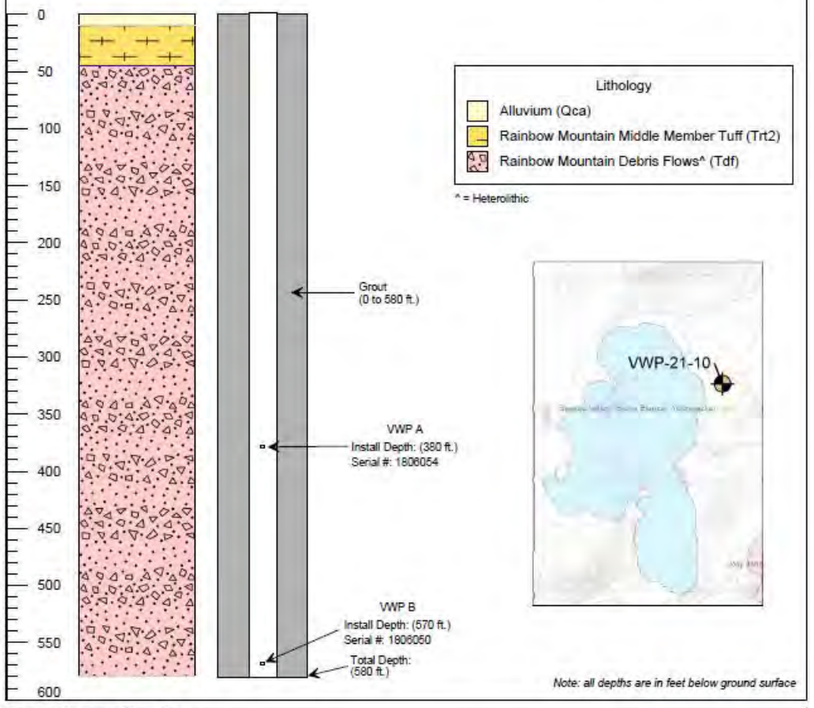


Borehole Log
&
Well Construction (As-Built)

Project: North Bullfrog

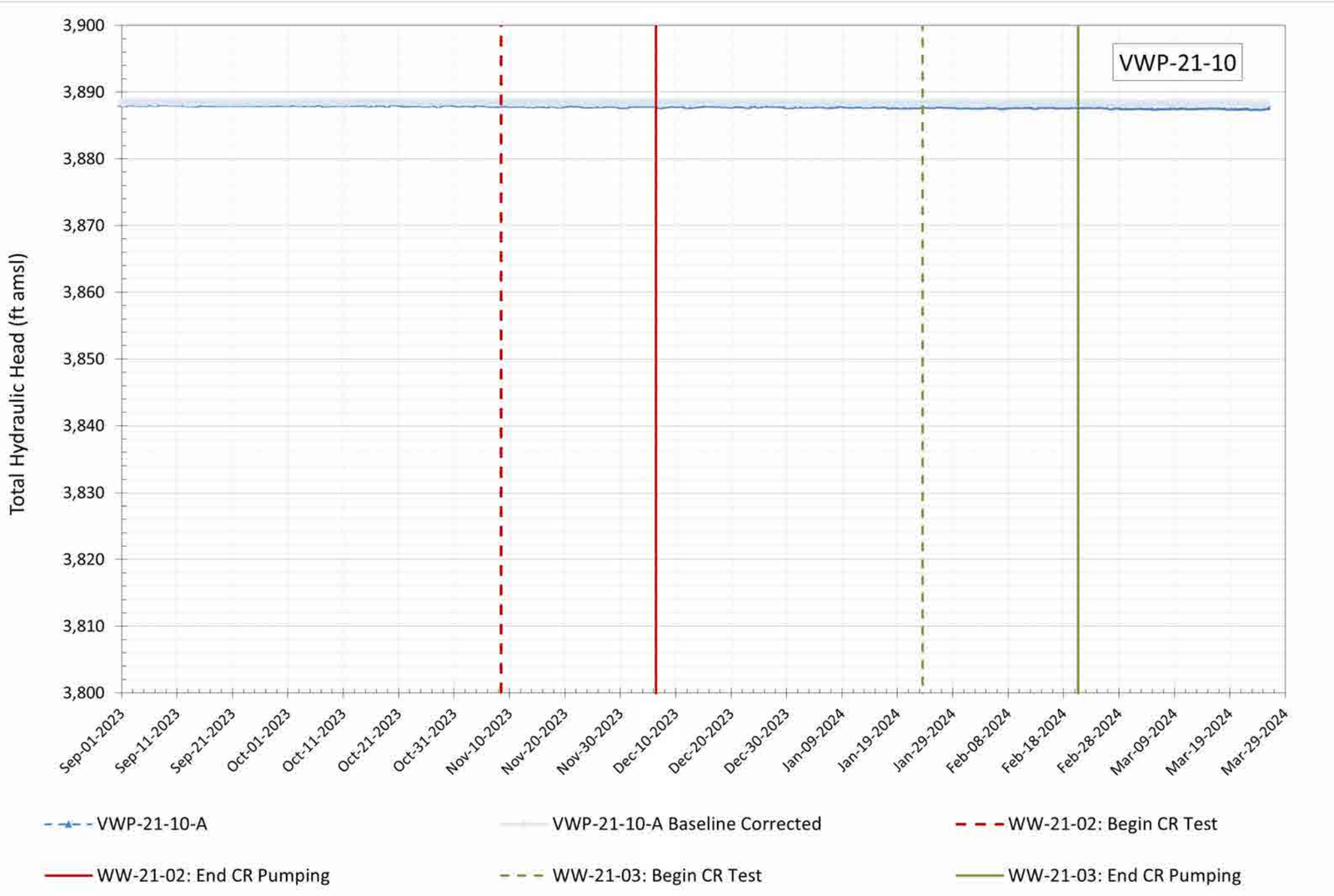
Client: Corvus Gold, Inc.

ID: VWP-21-10



Location: Northeast Sierra Blanca
Northing (NAD27): 4099096
Easting (NAD27): 518630
Ground Surface Elevation (ft. amsl): 4155
Drilling and Installation Date
From: 9/19/2021
To: 9/20/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

HydroGeoLogica

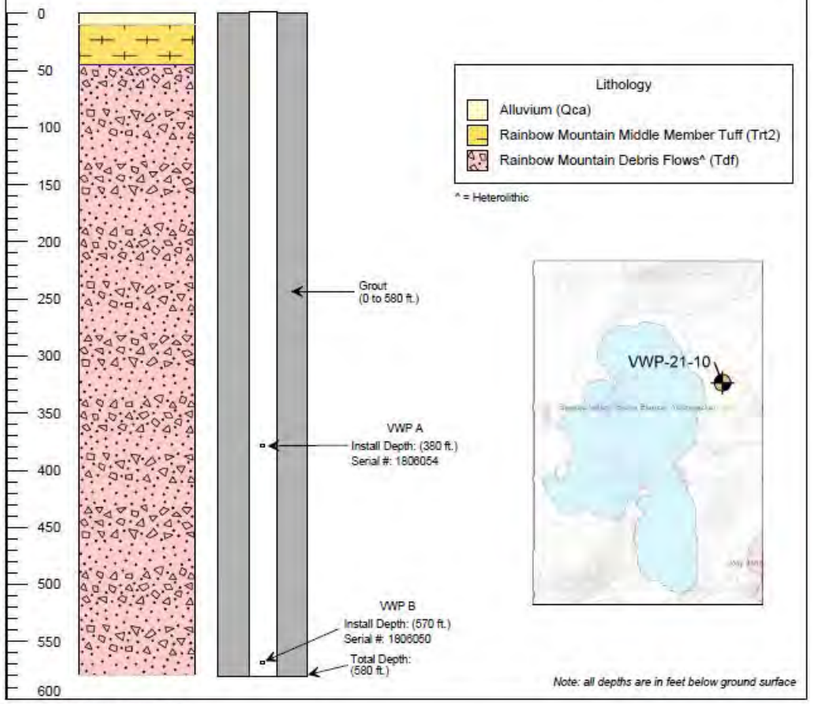


Borehole Log
&
Well Construction (As-Built)

Project: North Bullfrog

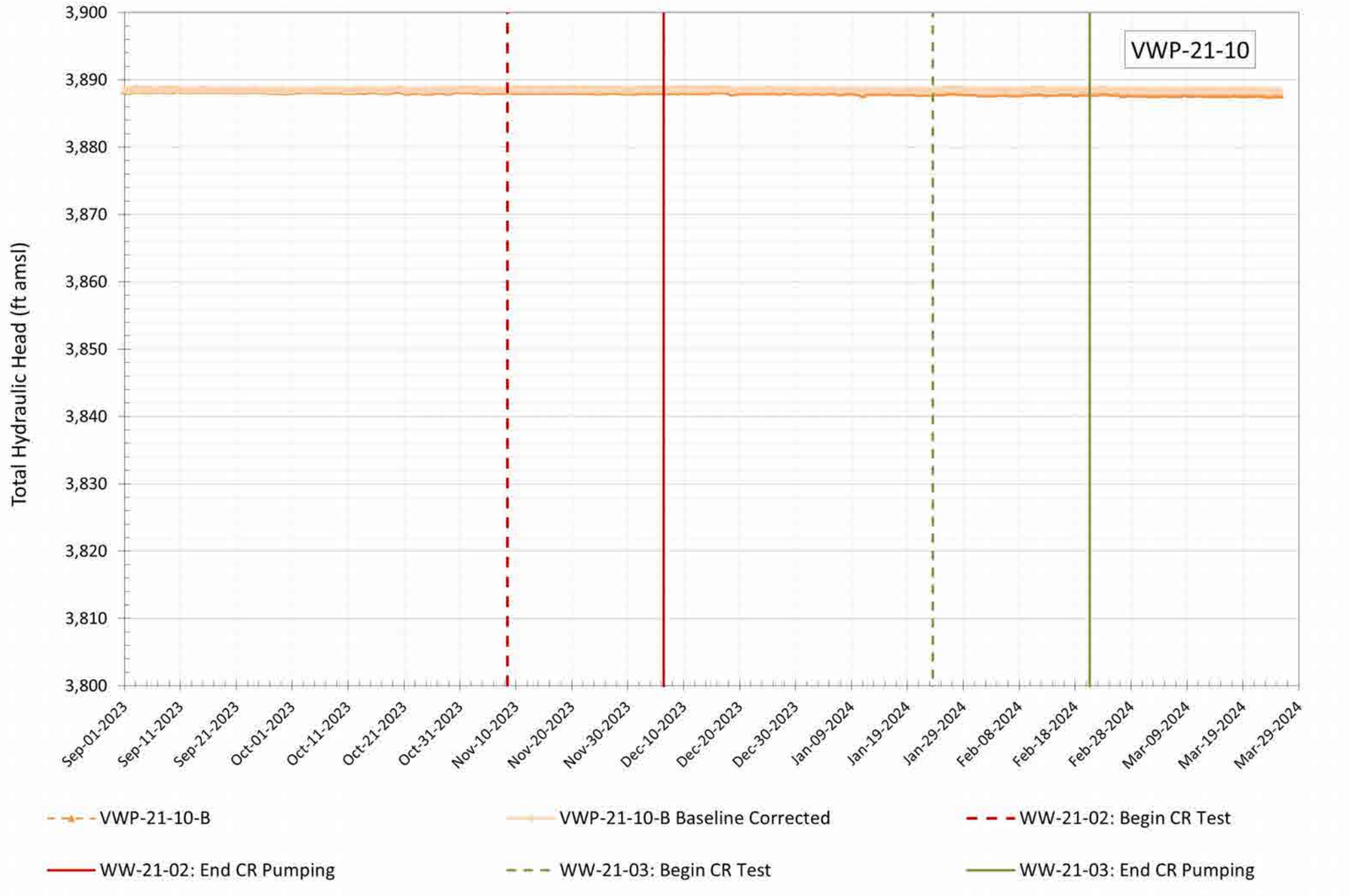
Client: Corvus Gold, Inc.

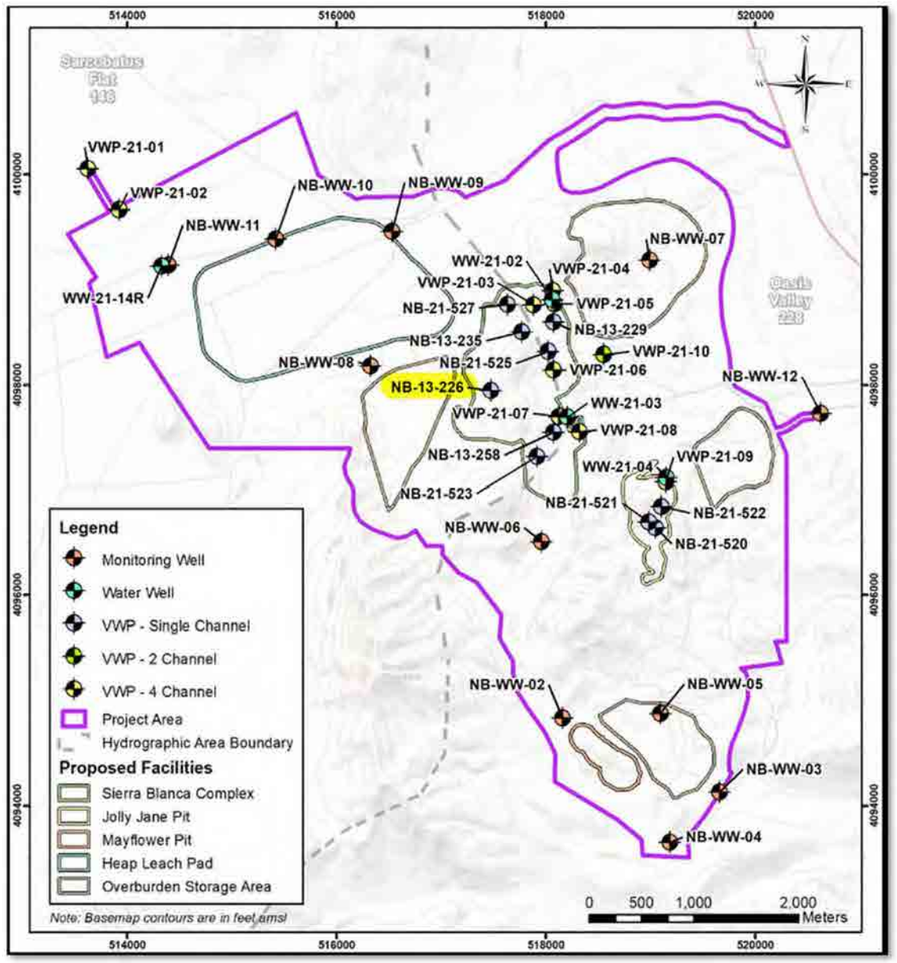
ID: VWP-21-10



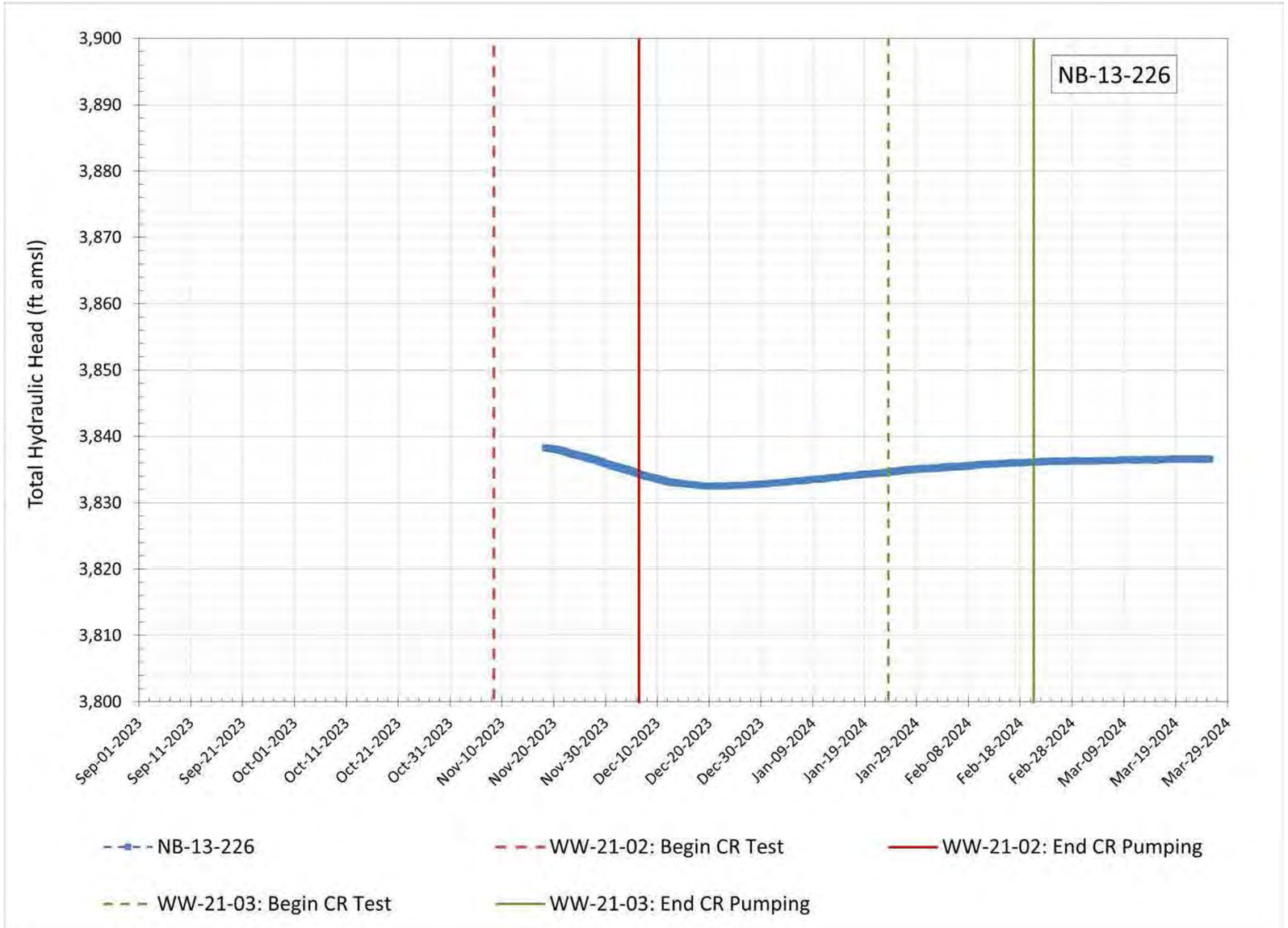
Location: Northeast Sierra Blanca
Northing (NAD27): 4098096
Easting (NAD27): 518630
Ground Surface Elevation (ft. amsl): 4155
Drilling and Installation Date
From: 9/19/2021
To: 9/20/2021
Driller: Boart Longyear
Drilling Method: Reverse Circulation

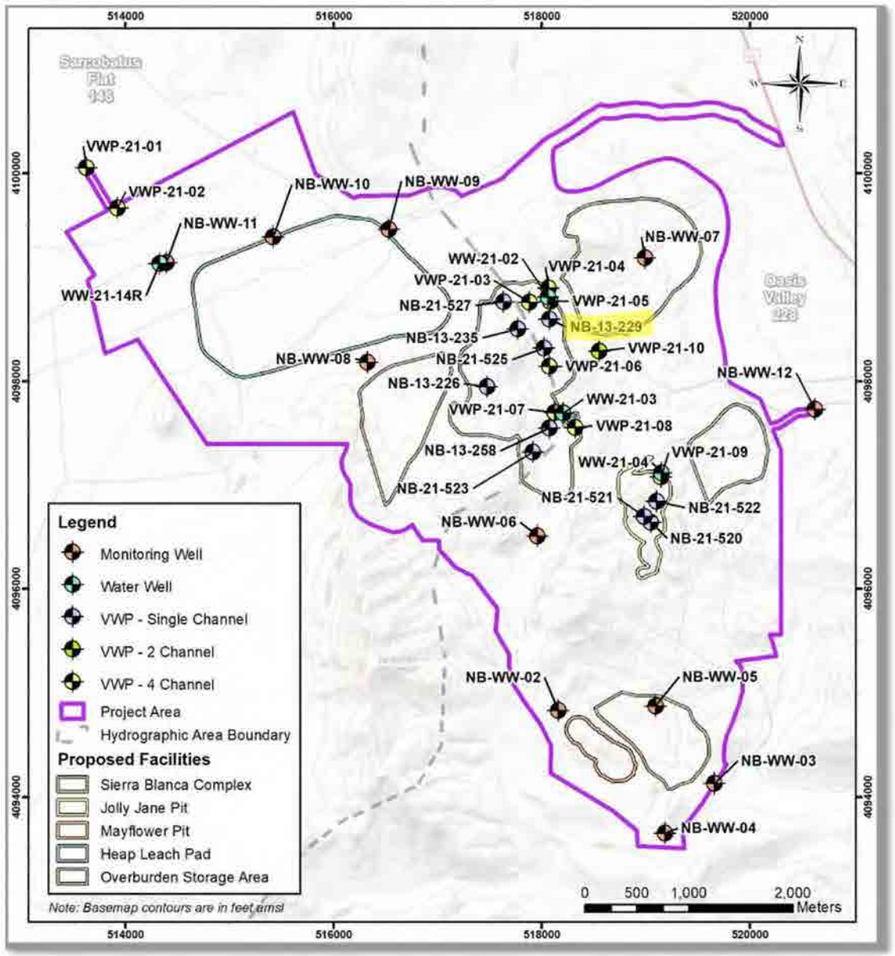
HydroGeoLogica



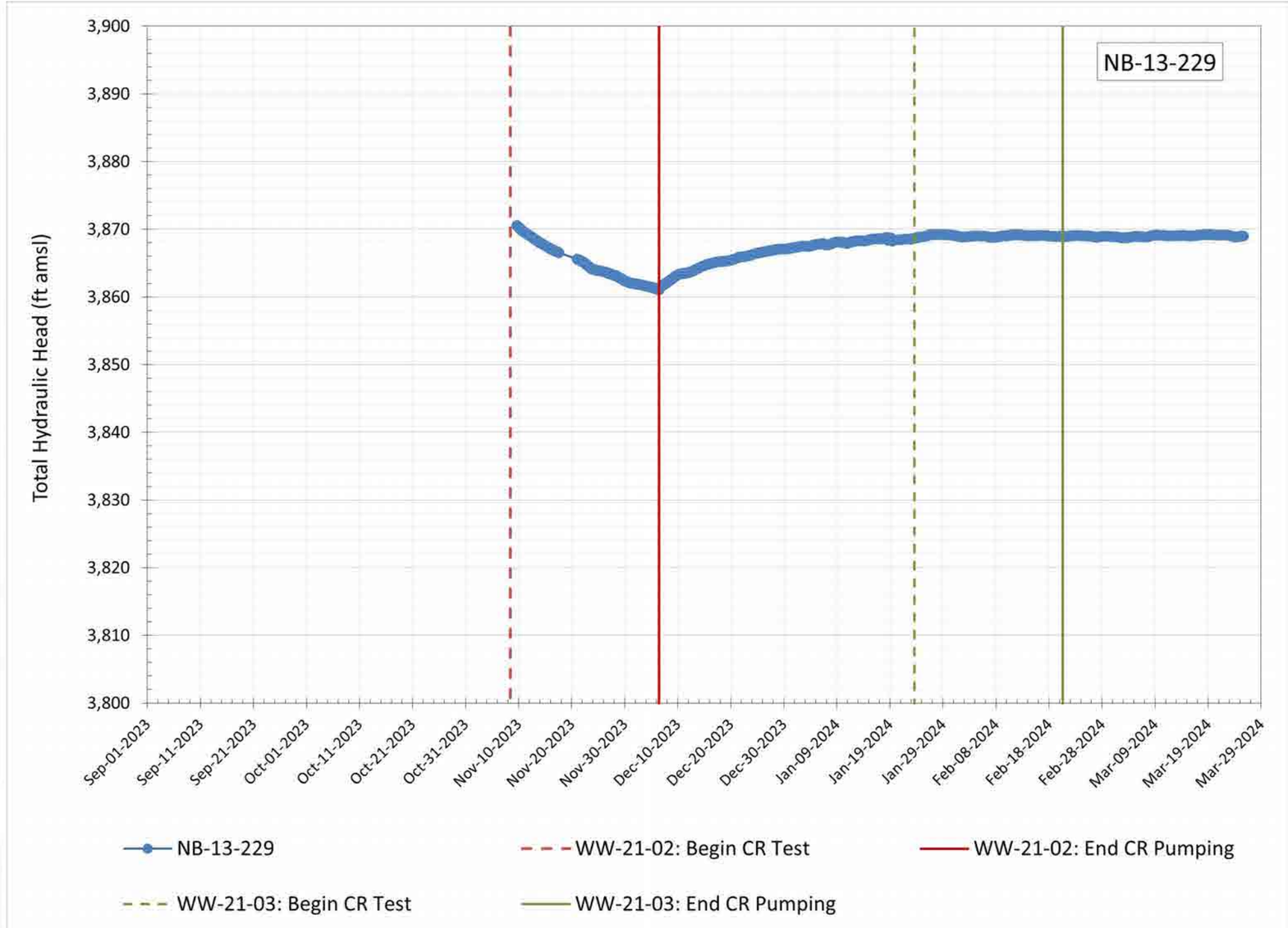


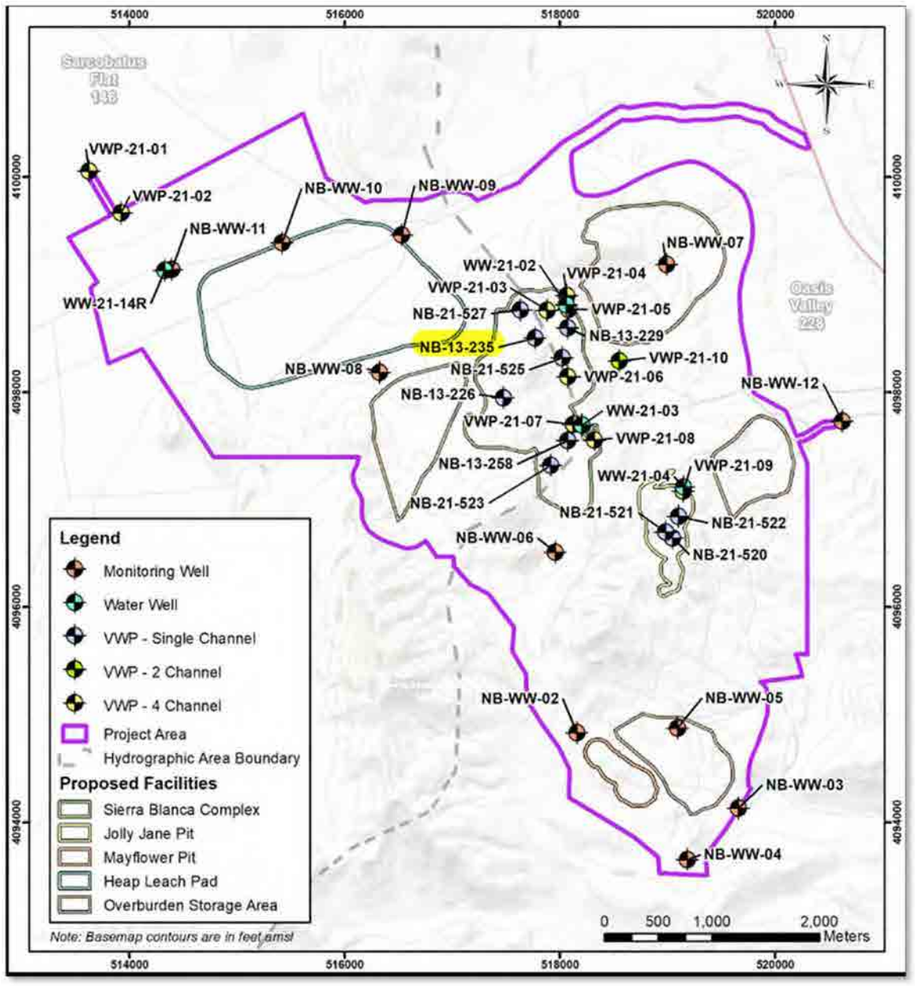
VWP NB-13-226 (Vertical Borehole)		
Elevation Land Surface	ft amsl	4311
Depth (installed)	ft	590
Elevation (installed)	ft amsl	3721
Stratigraphy	Tpf	Pioneer Unit B



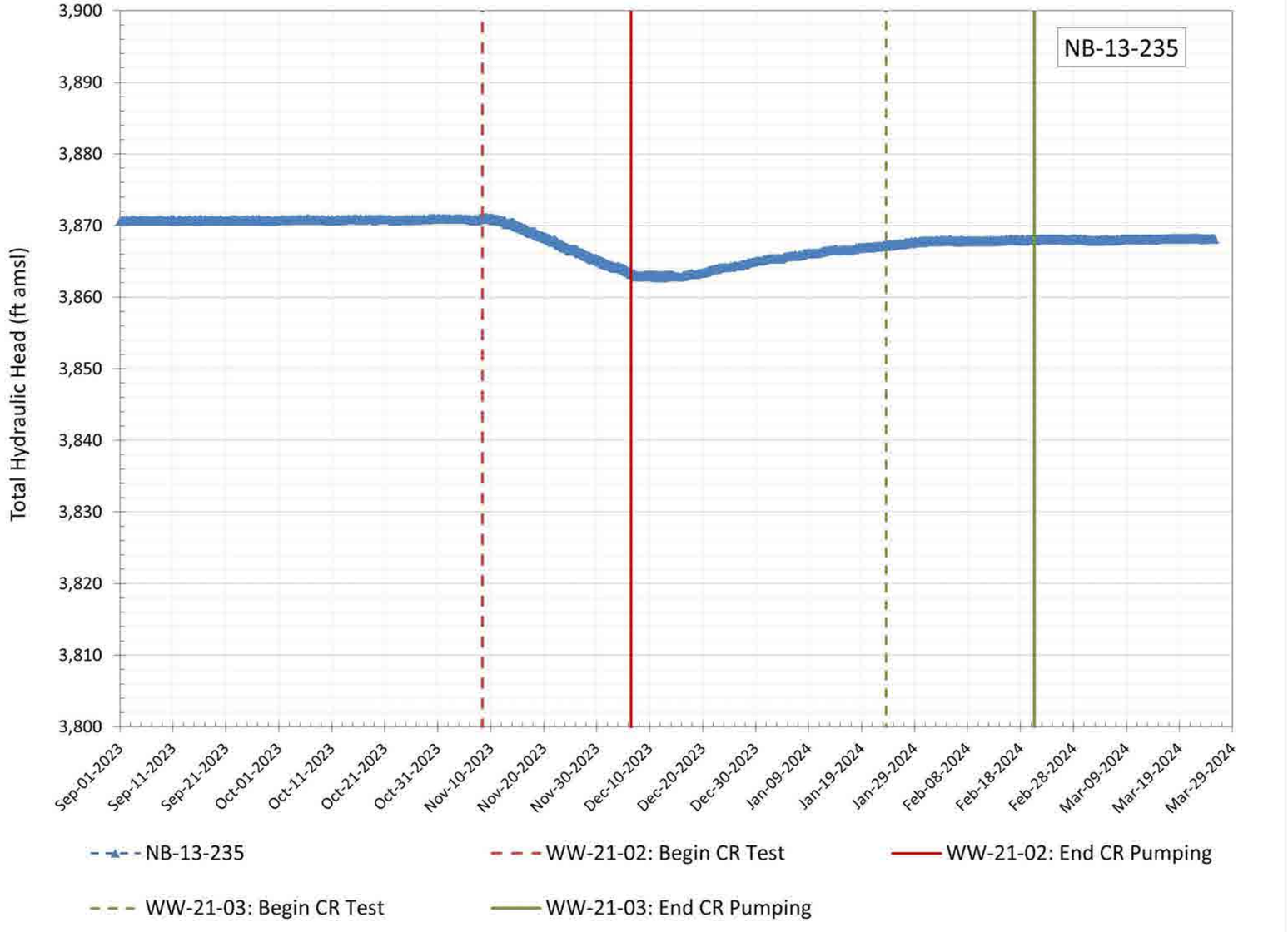


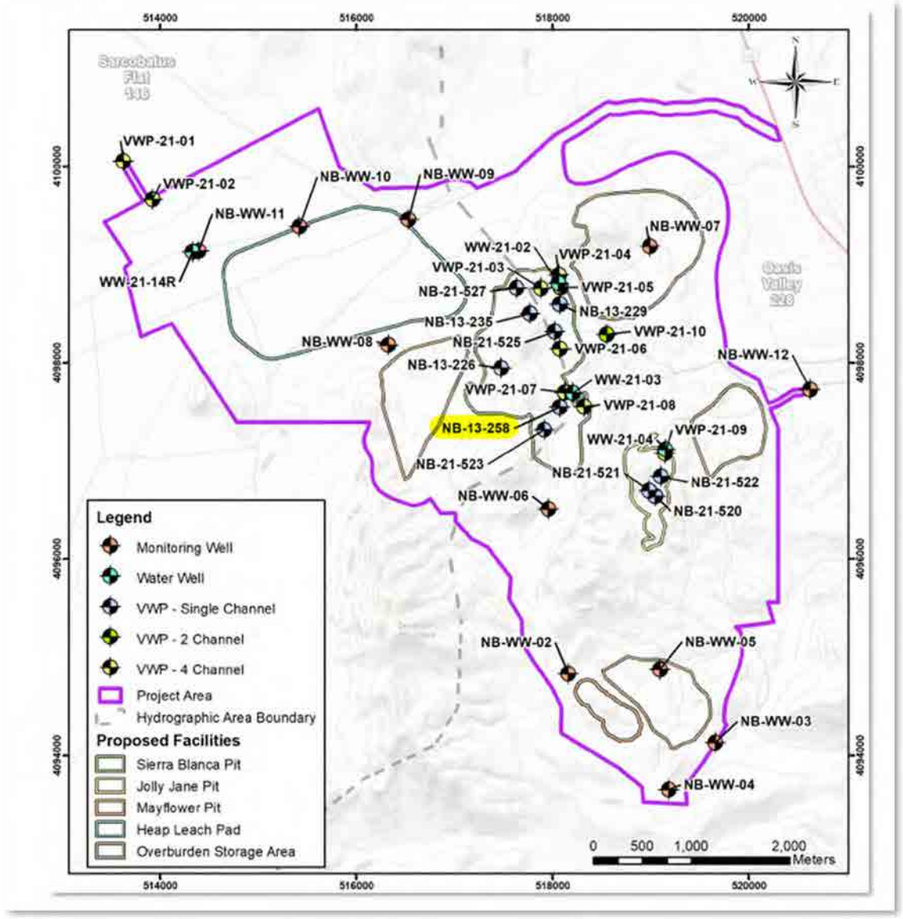
VWP NB-13-229 (Vertical Borehole)		
Elevation Land Surface	ft amsl	3557
Depth (installed)	ft	656
Elevation (installed)	ft amsl	3557
Stratigraphy	Tnb	fractured grey spherulitic rhyolite

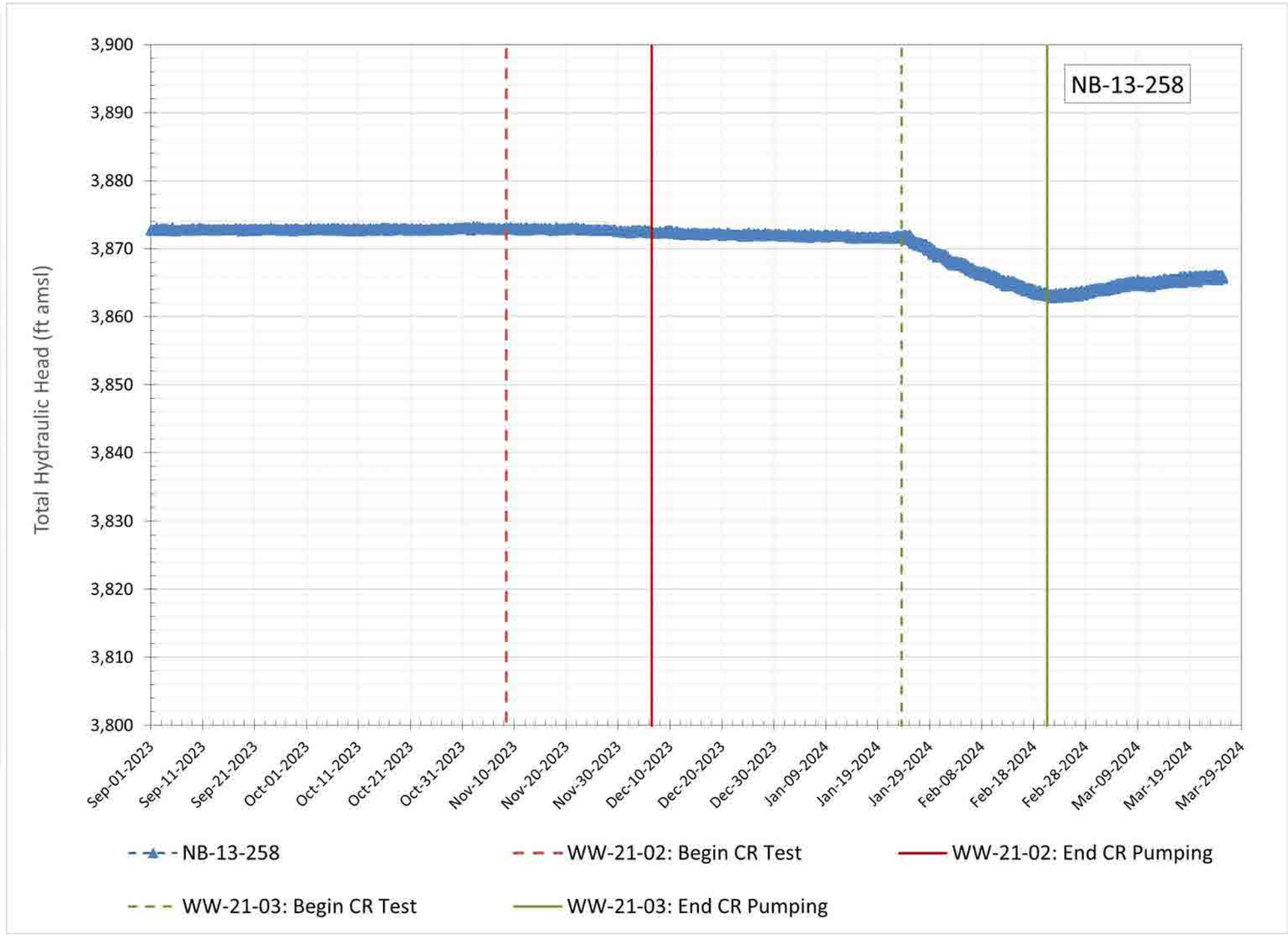




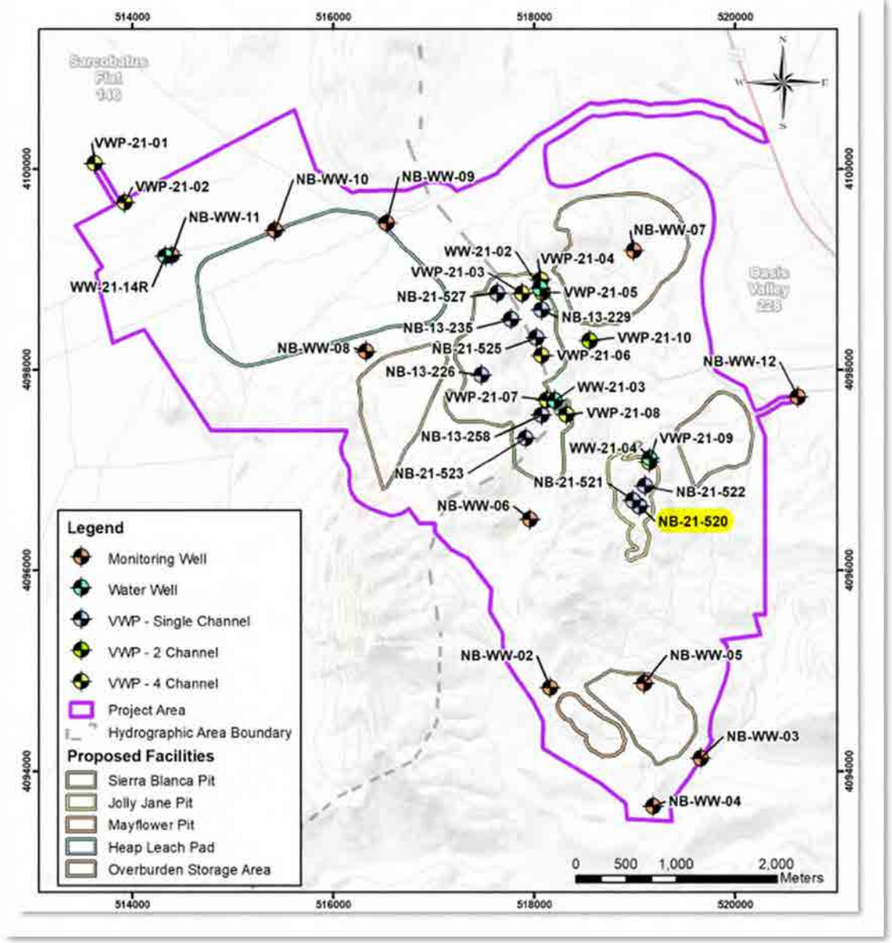
VWP NB-13-235 (Vertical Borehole)		
Elevation Land Surface	ft amsl	4322
Depth (installed)	ft	587
Elevation (installed)	ft amsl	3735
Stratigraphy	Tpf	Pioneer Unit B

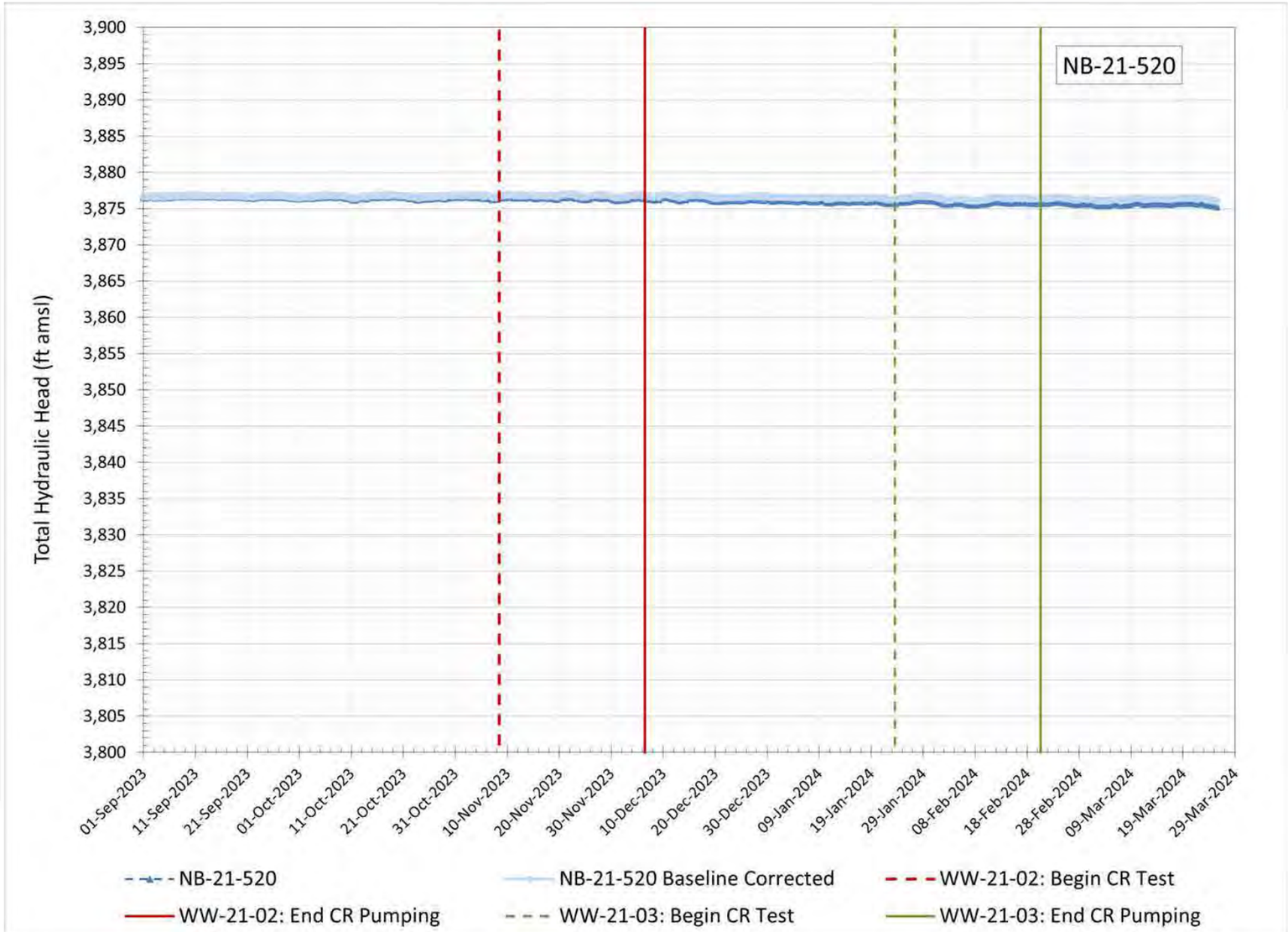




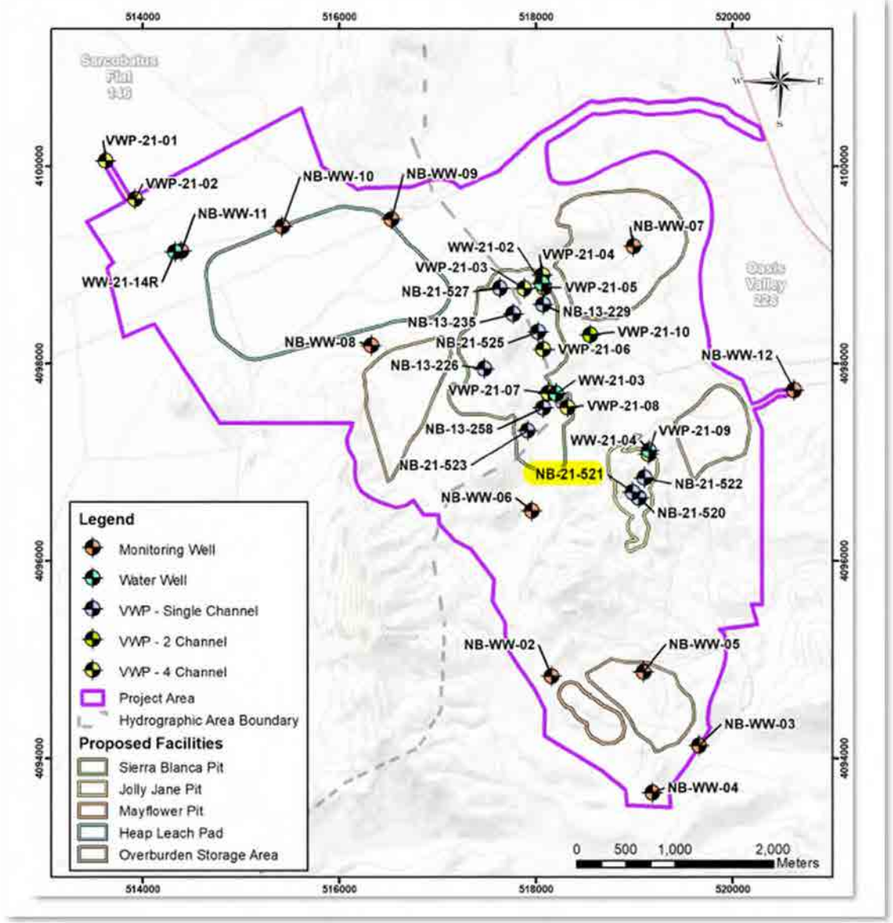


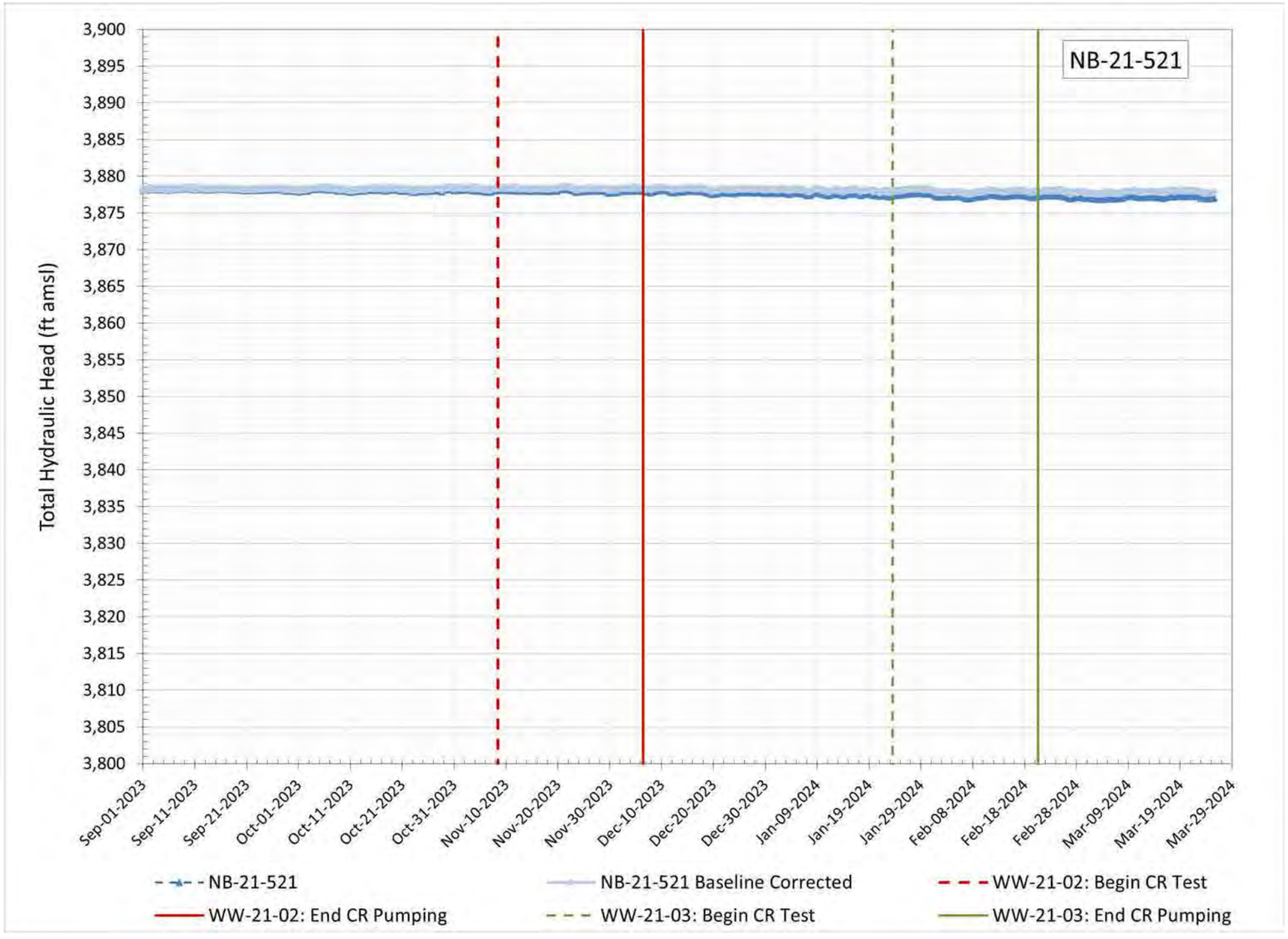
VWP NB-13-258 (Vertical Borehole)		
Elevation Land Surface	ft amsl	4307
Depth (installed)	ft	688
Elevation (installed)	ft amsl	3619
Stratigraphy	Tpf	Pioneer Unit D



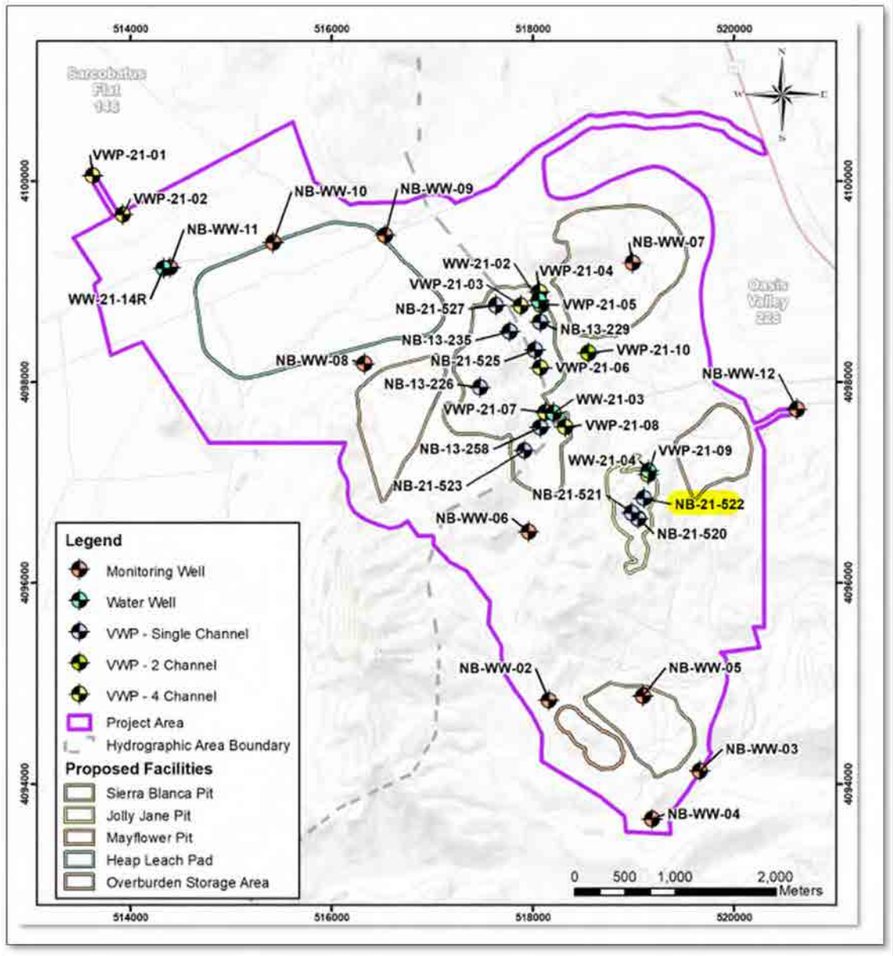


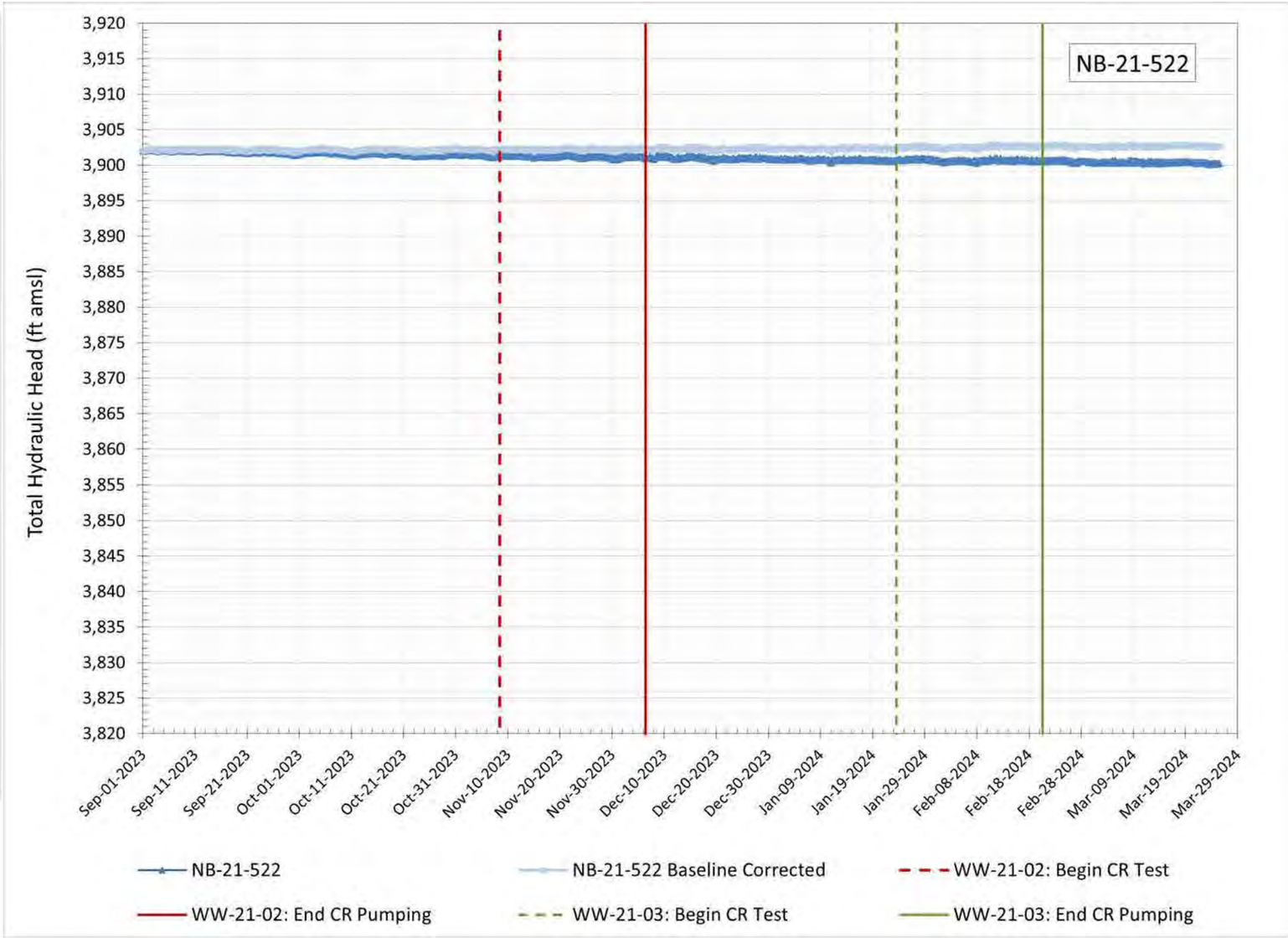
VWP NB-21-520 (Inclined Borehole)		
Azimuth	degrees	126
Dip	degrees	-60
Elevation Land Surface	ft amsl	4255
Length (installed)	ft	502
Depth (installed)	ft bls	435
Elevation (installed)	ft amsl	3820
Stratigraphy	PzC	Carrara Limestone



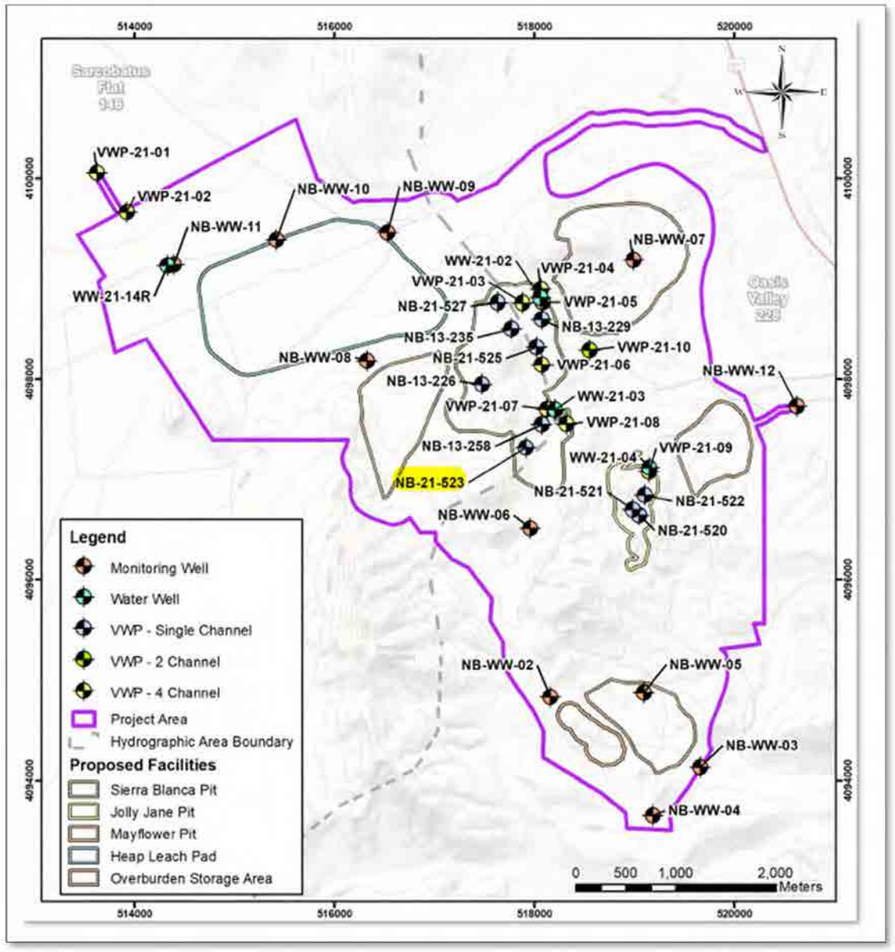


VWP NB-21-521 (Inclined Borehole)		
Azimuth	degrees	270
Dip	degrees	-60
Elevation Land Surface	ft amsl	4236
Length (installed)	ft	523
Depth (installed)	ft bls	453
Elevation (installed)	ft amsl	3783
Stratigraphy	PzC	Carrara Limestone

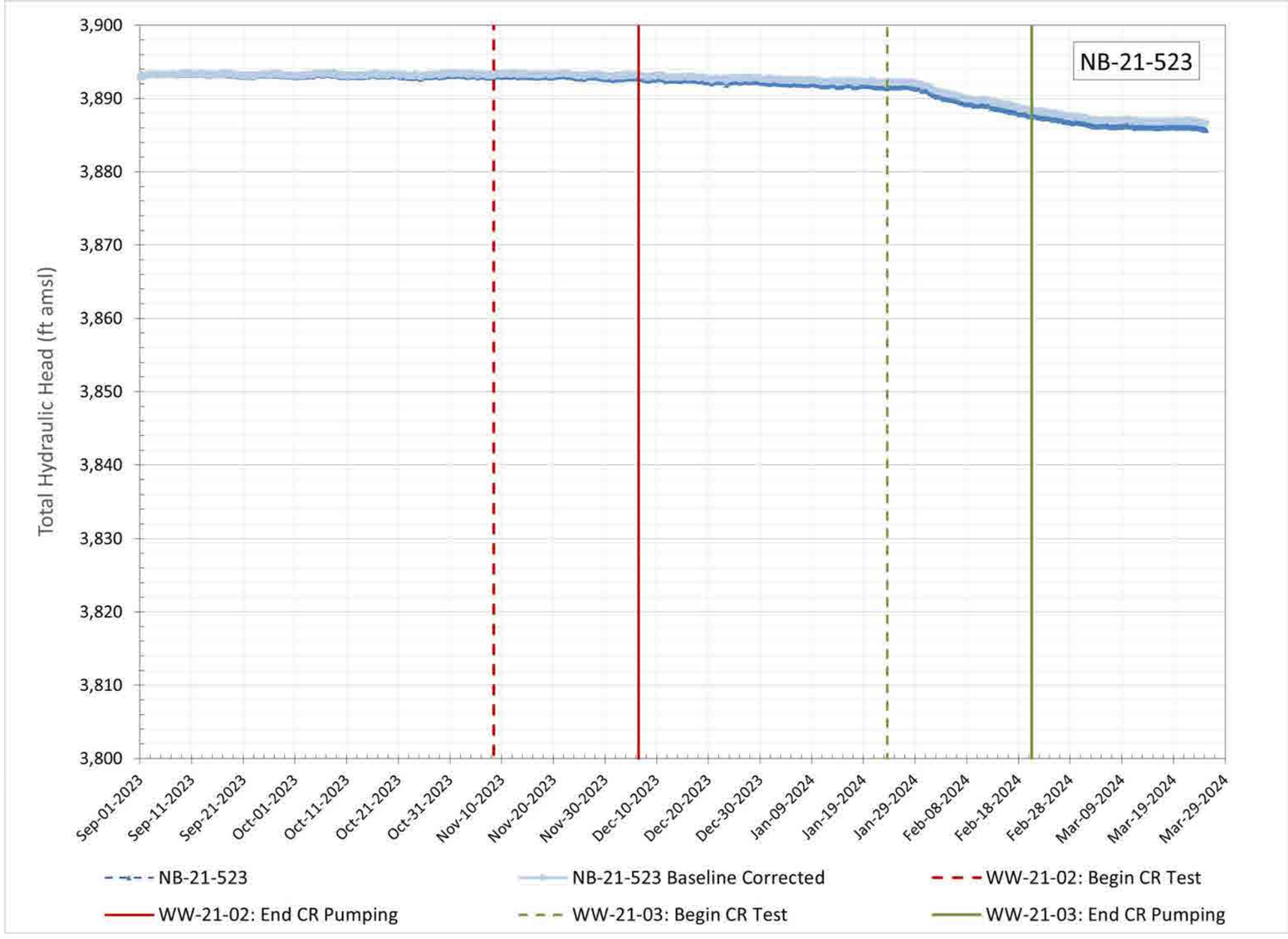


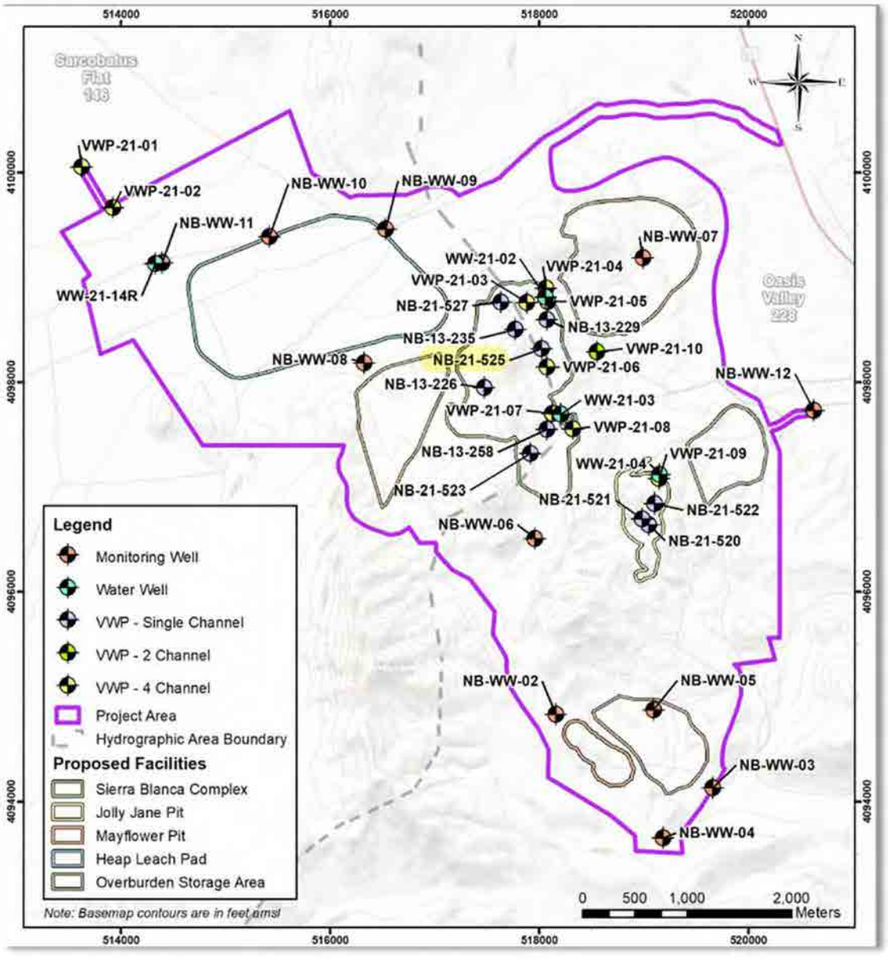


VWP NB-21-522 (Inclined Borehole)		
Azimuth	degrees	117
Dip	degrees	-70
Elevation Land Surface	ft amsl	4198
Length (installed)	ft	438
Depth (installed)	ft bls	412
Elevation (installed)	ft amsl	3787
Stratigraphy	Td	Savage Valley Dacite

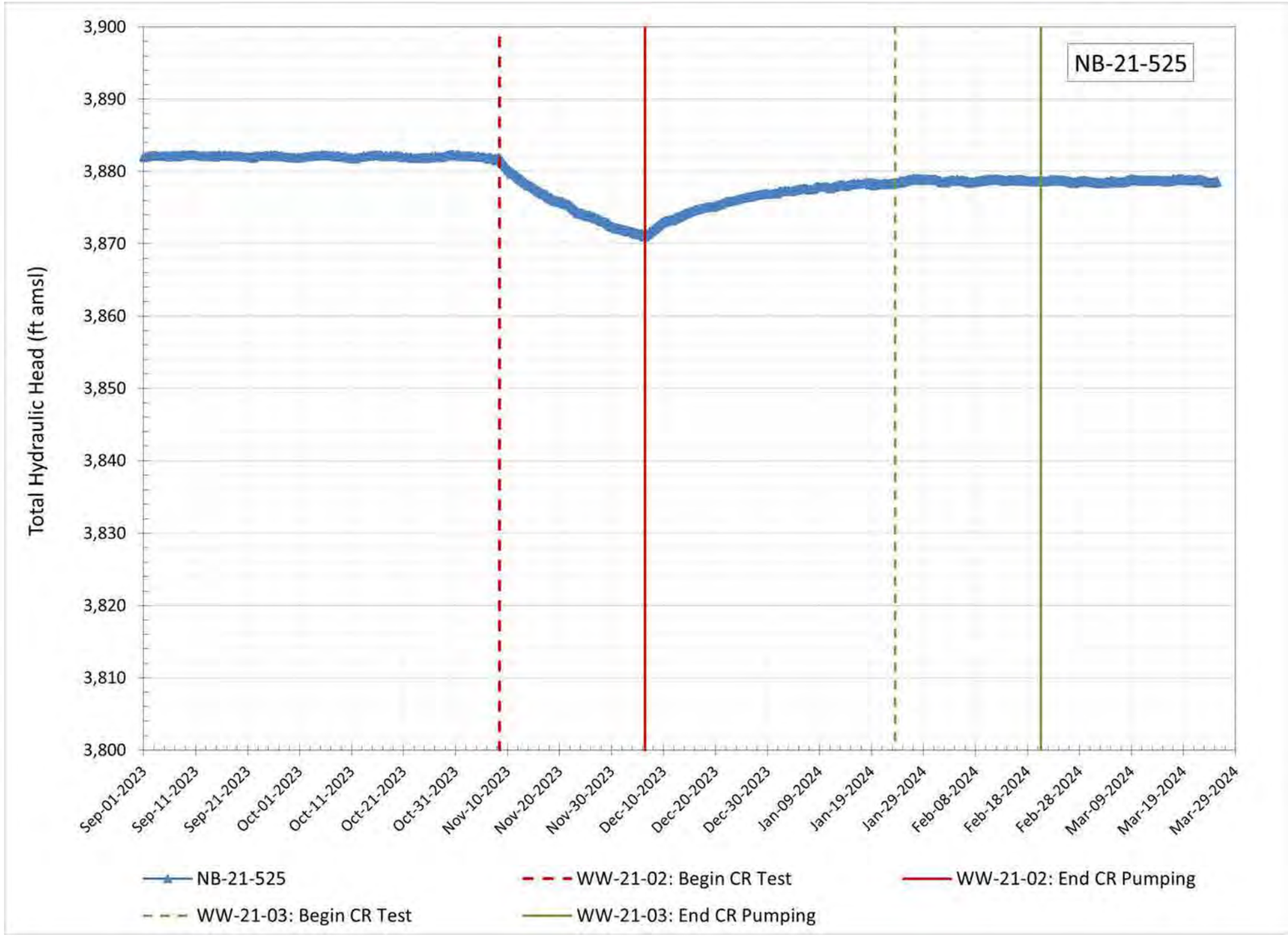


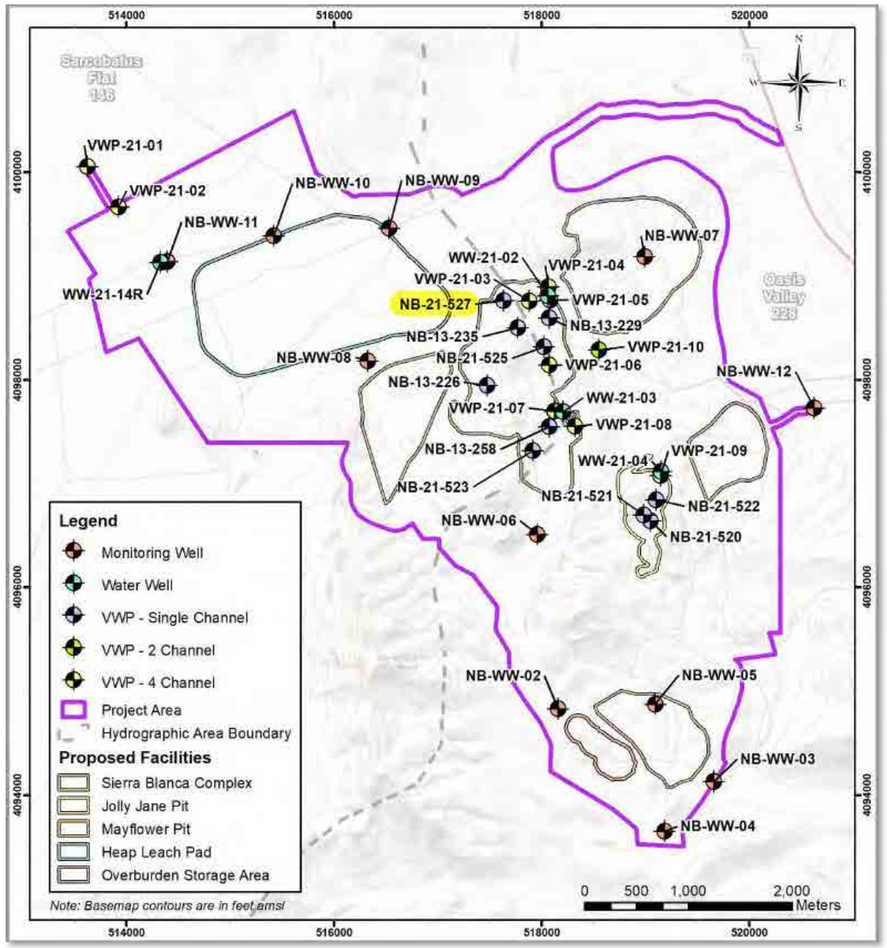
VWP NB-21-523 (Inclined Borehole)		
Azimuth	degrees	266
Dip	degrees	-70
Elevation Land Surface	ft amsl	4307
Length (installed)	ft	651
Depth (installed)	ft bls	612
Elevation (installed)	ft amsl	3696
Stratigraphy	PzW	Wood Canyon Fm.

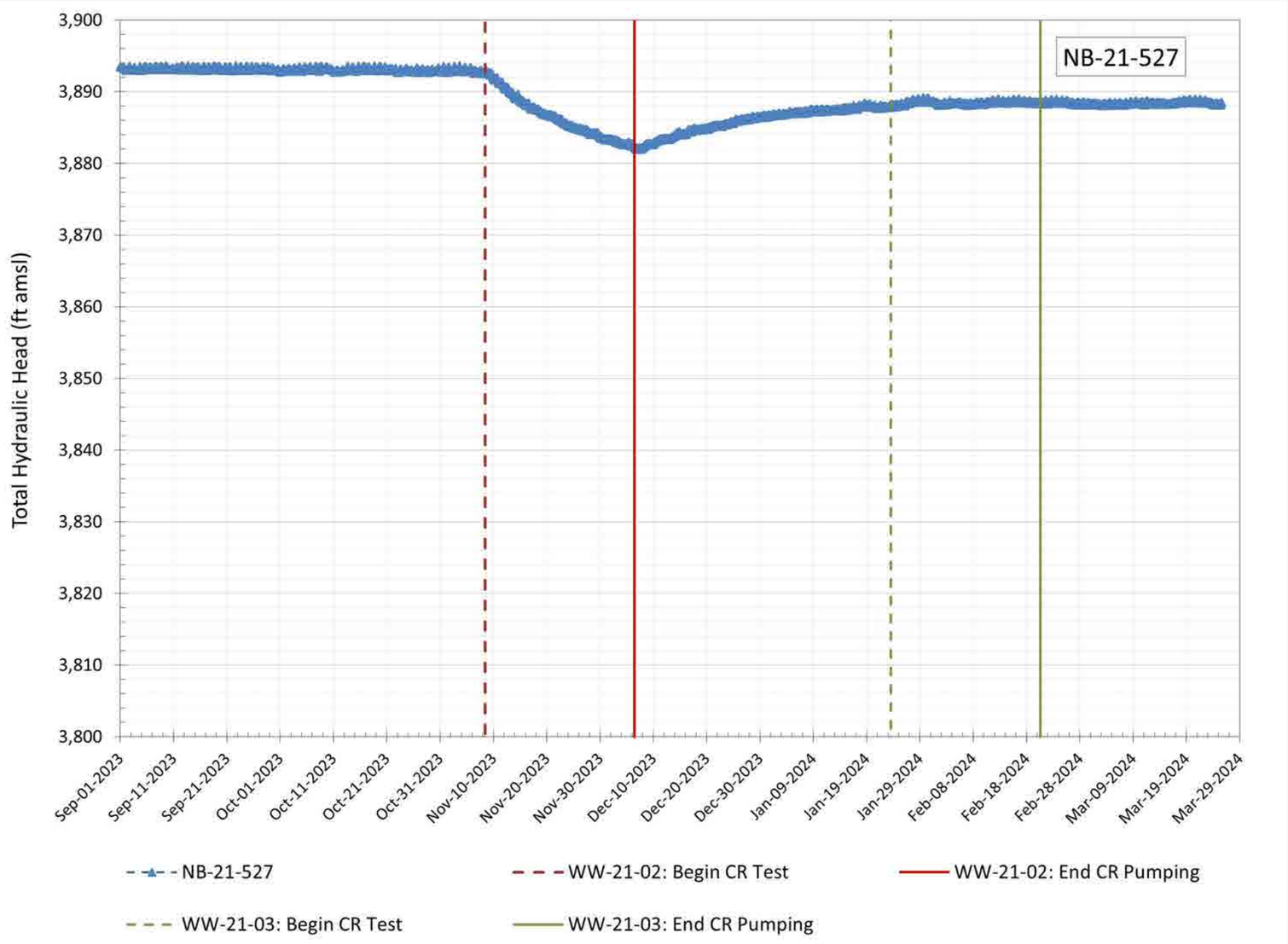




VWP NB-21-525 (Inclined Borehole)		
Azimuth	degrees	83
Dip	degrees	-70
Elevation Land Surface	ft amsl	4273
Length (installed)	ft	844
Depth (installed)	ft bls	793
Elevation (installed)	ft amsl	3480
Stratigraphy	Tnb	North Bullfrog Suite







VWP NB-21-527 (Inclined Borehole)		
Azimuth	degrees	280
Dip	degrees	-70
Elevation Land Surface	ft amsl	4283
Length (installed)	ft	580
Depth (installed)	ft bls	545
Elevation (installed)	ft amsl	3739
Stratigraphy	Tpf	Pioneer Fm