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May 23, 2025

Dr. Holly Alpert  
Inyo County Water Department  
135 South Jackson Street  
Independence, CA 93526

**RE: SUMMARY OF HYDROLOGIC MONITORING ACTIVITIES, APRIL 2025**

Rose Valley, Inyo County, California  
Hay Ranch Project Conditional Use Permit #2007-03

Dear Dr. Alpert:

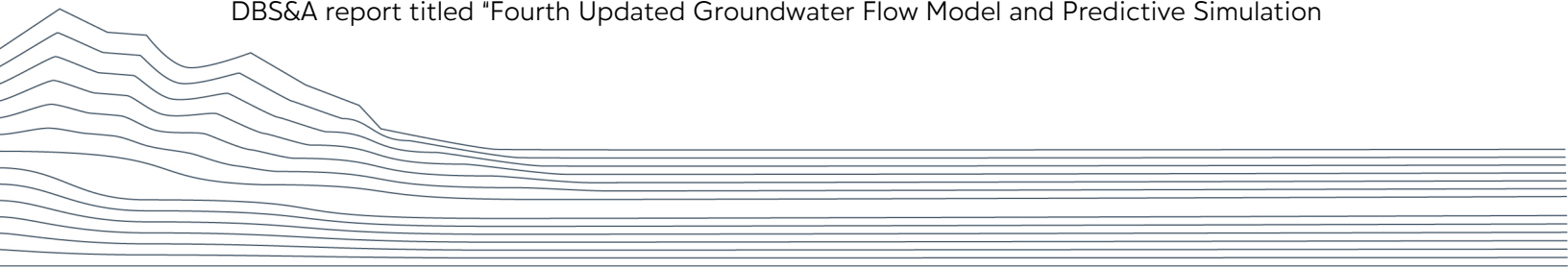
This letter summarizes hydrologic monitoring activities conducted in April 2025 by TEAM Environmental (TEAM), related to the Hay Ranch Water Extraction Project and CUP #2007-03.

**BACKGROUND**

As outlined in the Hay Ranch Water Extraction Final EIR's Hydrologic Monitoring and Mitigation Plan (HMMP), Phase 1: Monitoring System Setup and Supplemental Data Collection occurred prior to December 25, 2009 at monitoring points throughout Rose Valley. With the initiation of pumping by Coso Operating Company, LLC (COC) on December 25, 2009, the Hay Ranch Water Extraction Project entered into the Phase 2: Startup Monitoring and Reporting period. Phase 3: Model Recalibration and Redefinition of Pumping Rates and Durations occurred from September 2010 to April 2011, with recalibration of the groundwater model by Daniel B. Stephens & Associates (DBS&A) and with redefinition of pumping rates and durations by Inyo County Water Department (ICWD). With the April 1, 2011 issuance of the ICWD's "Addendum to the HMMP for CUP#2007-003/Coso Operating Company, LLC" (2011 ICWD Addendum) the project entered Phase 4: Ongoing Monitoring, Mitigation and Reporting. In 2013, 2014 and 2017 further model revisions occurred with results and new trigger levels detailed in ICWD's August 30, 2013, June 27, 2014 and June 27, 2017 letters to COC regarding Conditional Use Permit #2007-003/Coso.

In November 2018, ICWD agreed to allow COC to pump the remaining volume from the amount permitted to be extracted from June 1, 2017 through May 31, 2019. This allowed COC to pump up to the remaining 1,936 AF from November 14, 2018 through May 31, 2021. Approximately 130 AF of the 1,936 AF were extracted from November 14, 2018 to May 12, 2021.

In May 2021, pumping rates and duration were re-evaluated, based on an update of the model. Continuation of pumping, at a rate not to exceed 800 acre-feet annually beginning on June 1, 2021, was approved in ICWD's May 28, 2021 letter to COC. Revised Maximum Acceptable Drawdown and Drawdown at Cessation of Pumping values were provided in the DBS&A report titled "Fourth Updated Groundwater Flow Model and Predictive Simulation



Results, Coso Operating Company, Hay Ranch Water Extraction and Delivery System" dated May 27, 2021.

On July 15, 2024 the ICWD granted COC an extension to pump the remainder of the 3,200 AF (800 AF annually for four years) of permitted pumping (authorized in the May 27, 2021 letter) that has not been extracted. This amends the permitted annual amount to no more than 650 AF during any twelve month period from June 1, 2025 to May 31, 2029 as long as other conditions outlined in the May 27, 2021 letter and Conditional Use Permit #2007-003 are met.

## MONITORING AND REPORTING

During the April 2025 monthly hydrologic data collection event at the monitoring locations in the Rose Valley area, static depth-to-water (DTW) measurements, one visual observation of the Little Lake Ranch (LLR) Siphon Well Outflow and three sets of flow rates were collected by TEAM, as summarized in the attached table (Table 1). Data for this monthly field event were collected on April 24, 2025. Pressure transducer data were downloaded from monitoring units including one "BaroTroll" which records barometric pressure. Data for LADWP 816 Well were provided previously, but have not been provided since February 2023.

Figure 1 presents the combined amount of groundwater pumped from the Hay Ranch North and South wells, in acre-feet, from December 25, 2009 through April 24, 2025 compared to the current maximum allowable pumping amount. The total amount of groundwater extracted from the Hay Ranch property from December 25, 2009 to April 24, 2025 (Hay Ranch CUP project total) is approximately 18,373 AF.

The maximum allowable pumping rate was 3,000 acre-feet per year (AFY) for December 25, 2009 through December 31, 2010; was 4,839 AFY from January 2011 through August 2013; was 3,040 AFY from September 2013 through June 2014; was 1,614 AFY from July 2014 through September 2016; and was 1,611 AFY from June 2017 through May 31, 2021. The current maximum allowable pumping rate is 800 acre-feet in any 12 month period between June 1, 2021 to May 31, 2025. Beginning on June 1, 2025 the maximum pumping amount allowed will be less than 650 acre-feet in any 12-month period between June 1 and the following May 31.

For the current annual pumping period (June 2024 through May 2025), totalizers have indicated approximately 177 AF of groundwater, of the 800 AF allowable, was extracted from the Hay Ranch Property as measured from May 22, 2024 to April 24, 2025.

## TRIGGER LEVELS AND MAXIMUM ACCEPTABLE DRAWDOWNS

In the May 2021 DBS&A report, Trigger Levels and Maximum Acceptable Drawdowns were recommended for specific monitoring wells, based on a maximum allowable pumping rate of 800 AFY beginning on June 1, 2021 through May 31, 2025. These levels are incorporated into the updated Table 2 provided herein.

Based on data collected by TEAM during the April 2025 monitoring event, none of the Trigger Levels were exceeded at Hay Ranch Project monitoring wells which have baselines and trigger levels established (see Table 2). No Maximum Acceptable Drawdown levels have been reached at anytime during COC pumping under CUP #2007-03. Water levels were measured above their 2011 baseline levels at three locations: HR 2A (RV-80), Coso Junction Ranch (RV-90) and Coso Junction Store (RV-100), in April 2025.

### OPERATIONAL NOTES

The transducer in HR-2A (RV-80) continued to be non-responsive. The data for the Little Lake Ranch Outflow Flume (RV-230) were not presented in this report as they were determined to be inaccurate during high flows. There were no other new significant operational issues observed during the reporting period.

### DATA TRANSMITTAL

TEAM posted updates to the "Coso Hay Ranch" database on the ICWD web server. Current and previous Hay Ranch Project hydrographs, in PDF form, were uploaded to the ICWD website ([www.inyowater.org](http://www.inyowater.org)).

If you have any questions or require additional information, please contact TEAM at your convenience.

Sincerely,

TEAM Environmental



Greg M. Foote

Senior Environmental Scientist

**TABLE 1**  
Field Observations of Rose Valley Hydrologic Monitoring Points  
April 2025

|               |                          |                      |
|---------------|--------------------------|----------------------|
| Project Name: | Hay Ranch Project HMMP   | Date: April 24, 2025 |
| Location:     | Rose Valley, Inyo County |                      |
| Observer(s):  | G. Foote                 | Page: 1 of 1         |

| Well ID |                                  | Date     | Time  | DTW<br>(ft) | Flow<br>(cfs) | GWE<br>(ft amsl) | Method            | Transducer<br>Log Interval | Notes   |
|---------|----------------------------------|----------|-------|-------------|---------------|------------------|-------------------|----------------------------|---|
| RV-10   | Dews                             | NM       | NM    | NM          | NA            | NA               | TEAM manual read  | NA                         | Monitoring Discontinued                                 |
| RV-20   | LADWP 816                        | NM       | NM    | NM          | NA            | NA               | LADWP manual read | NA                         | Data requested from LADWP                               |
| RV-30   | Cal Pumice                       | 04/24/25 | 13:42 | 220.97      | NA            | 3284.92          | TEAM manual read  | NA                         | Well unlocked, has a transducer installed               |
| RV-40   | Dunmovin                         | NM       | NM    | NM          | NA            | NA               | TEAM manual read  | NA                         | Discontinued due to new in-well infrastructure          |
| RV-50   | Hay Ranch North                  | 04/24/25 | 12:33 | NM          | No            | NA               | TEAM manual read  | NA                         | 3,840,536,255 gallons (11,786 AF) pumped since 12/25/09 |
| RV-60   | Hay Ranch 1A                     | 04/24/25 | 12:50 | 171.17      | NA            | 3261.00          | TEAM manual read  | Hourly                     |   |
| RV-61   | Hay Ranch 1B                     | 04/24/25 | 12:45 | 179.63      | NA            | 3252.22          | TEAM manual read  | Hourly                     |   |
| RV-62   | Hay Ranch 1C                     | 04/24/25 | 12:41 | 174.38      | NA            | 3257.12          | TEAM manual read  | NA                         |   |
| RV-70   | Hay Ranch South                  | 04/24/25 | 12:34 | NM          | No            | NA               | TEAM manual read  | NA                         | 2,146,446,934 gallons (6,587 AF) pumped since 12/25/09  |
| RV-80   | Hay Ranch 2A                     | 04/24/25 | 13:10 | 181.05      | NA            | 3251.95          | TEAM manual read  | Hourly                     |   |
| RV-81   | Hay Ranch 2B                     | 04/24/25 | 13:05 | 188.07      | NA            | 3244.56          | TEAM manual read  | Hourly                     |   |
| RV-82   | Hay Ranch 2C                     | 04/24/25 | 13:01 | 182.33      | NA            | 3249.77          | TEAM manual read  | NA                         |   |
| RV-90   | Coso Jct Ranch                   | 04/24/25 | 8:45  | 169.60      | NA            | 3233.53          | TEAM manual read  | NA                         |   |
| RV-100  | Coso Jct Store #1                | 04/24/25 | 12:12 | 139.66      | NA            | 3232.46          | TEAM manual read  | Hourly                     |   |
| RV-110  | Davis Ranch North Well           | NM       | NM    | NM          | NA            | NA               | TEAM manual read  | NA                         | Pump installed in DR North well in May 2021             |
| RV-111  | Davis Ranch South Well           | NM       | NM    | NM          | NA            | NA               | TEAM manual read  | NA                         | Pump installed in DR South well in Aug 2015             |
| RV-112  | Davis Ranch South Flow           | NM       | NM    | NM          | NA            | NA               | TEAM manual read  | NA                         | Flow actively managed                                   |
| RV-120  | Red Hill Well (BLM)              | 04/24/25 | 11:54 | 140.85      | NA            | 3199.98          | TEAM manual read  | NA                         |   |
| RV-130  | G-36                             | 04/24/25 | 11:36 | 182.00      | NA            | 3198.02          | TEAM manual read  | NA                         |   |
| RV-140  | Lego                             | NM       | NM    | NM          | NA            | NA               | TEAM manual read  | NA                         | Access road damaged by flooding, walking access only    |
| RV-150  | Cinder Road                      | 04/24/25 | 8:58  | 191.98      | NA            | 3185.98          | TEAM manual read  | NA                         | Surveyed measuring point removed, DTW measured to TOC   |
| RV-160  | 18-28 GTH                        | NM       | NM    | NM          | NA            | NA               | TEAM manual read  | NA                         | Access road damaged by flooding, walking access only    |
| RV-170  | Fossil Falls Campground          | 04/24/25 | 11:15 | 141.52      | NA            | 3175.25          | TEAM manual read  | NA                         |   |
| RV-180  | LLR North Well                   | 04/24/25 | 9:34  | 40.42       | NA            | 3158.68          | TEAM manual read  | Hourly                     |   |
| RV-210  | LLR Dock Well                    | 04/24/25 | 9:50  | 6.18        | NA            | 3147.96          | TEAM manual read  | NA                         |   |
| RV-220  | LLR Stilling Well (lake surface) | 04/24/25 | 9:46  | 3.66        | NA            | 3147.38          | TEAM manual read  | Hourly                     |   |
| RV-230  | LLR Little Lake Outflow          | 04/24/25 | 10:09 | NA          | Yes           | NA               | TEAM manual read  | Hourly                     | Accuracy limitations, data not presented                |
| RV-240  | LLR Coso Springs Flow            | 04/24/25 | 10:23 | NA          | 0.48          | NA               | TEAM manual read  | Hourly                     |   |
| RV-245  | LLR North Culvert Flow           | 04/24/25 | 10:53 | NA          | 1.07          | NA               | TEAM manual read  | Hourly                     |   |
| RV-250  | LLR Siphon Discharge             | 04/24/25 | 10:44 |             | Yes           | NA               | TEAM visual read  | NA                         | Siphon Well flowing into Pond 2                         |
| RV-260  | LLR Hotel Well                   | 04/24/25 | 9:14  | -0.41       | NA            | 3139.19          | TEAM manual read  | NA                         | Artesian  |

NM - not measured; NA - not applicable; IO - Inoperative; UA - Data currently unavailable

DTW - Depth to water in feet (ft) below top of casing or other reference point; a negative DTW indicates that the groundwater elevation is above the surveyed reference point

Flow - In cubic feet per second (cfs)

GWE- Groundwater elevation in feet above mean sea level (ft amsl)

**TABLE 2**  
**Hay Ranch Project Groundwater Baselines and Trigger Levels**  
**April 2025**

| Well ID | Monitoring Point  | Baseline<br>GWE <sup>1</sup><br>(feet amsl) | Recent Date of<br>Measurement | Recent GWE<br>(feet amsl) | Recent GWE<br>Compared to<br>Baseline<br>(feet) | Drawdown Trigger<br>Level <sup>2</sup><br>(feet) | Recent GWE<br>Compared to Trigger<br>Level<br>(feet) | Maximum<br>Acceptable<br>Drawdown <sup>2</sup><br>(feet) | Recent GWE<br>Compared to Max.<br>Drawdown<br>(feet) |
|---------|-------------------|---|-------------------------------|---------------------------|---|--|--|--|--|
| RV-80   | HR 2A             | 3240.92                                     | 04/24/25                      | 3251.95                   | 11.03   | 13.6   | 24.63  | 17.6   | 28.63  |
| RV-90   | Coso Jct Ranch    | 3230.65                                     | 04/24/25                      | 3233.53                   | 2.88  | 8.3  | 11.18  | 9.4  | 12.58  |
| RV-100  | Coso Jct Store #1 | 3227.59                                     | 04/24/25                      | 3232.46                   | 4.87  | 7.6  | 12.47  | 8.4  | 13.57  |
| RV-120  | Red Hill Well     | 3200.66                                     | 04/24/25                      | 3199.98                   | -0.68   | 3.4  | 2.72   | 3.5  | 3.32   |
| RV-130  | G-36              | 3198.35                                     | 04/24/25                      | 3198.02                   | -0.33   | 3.0  | 2.67   | 3.1  | 3.27   |
| RV-140  | Lego              | 3199.21                                     | 2/12/25 (3)                   | 3198.59                   | -0.62   | 2.1  | 1.48   | 2.5  | 2.08   |
| RV-150  | Cinder Road (4)   | 3186.92                                     | 04/24/25                      | 3185.98                   | -0.94   | 2.0  | 1.06   | 2.2  | 1.46   |
| RV-160  | 18-28 GTH         | 3187.67                                     | 2/12/25 (3)                   | 3187.45                   | -0.22   | 1.9  | 1.68   | 2.1  | 2.08   |
| RV-180  | LLR North Well    | 3158.88                                     | 04/24/25                      | 3158.68                   | -0.20   | 1.1  | 0.90   | 1.3  | 1.20   |

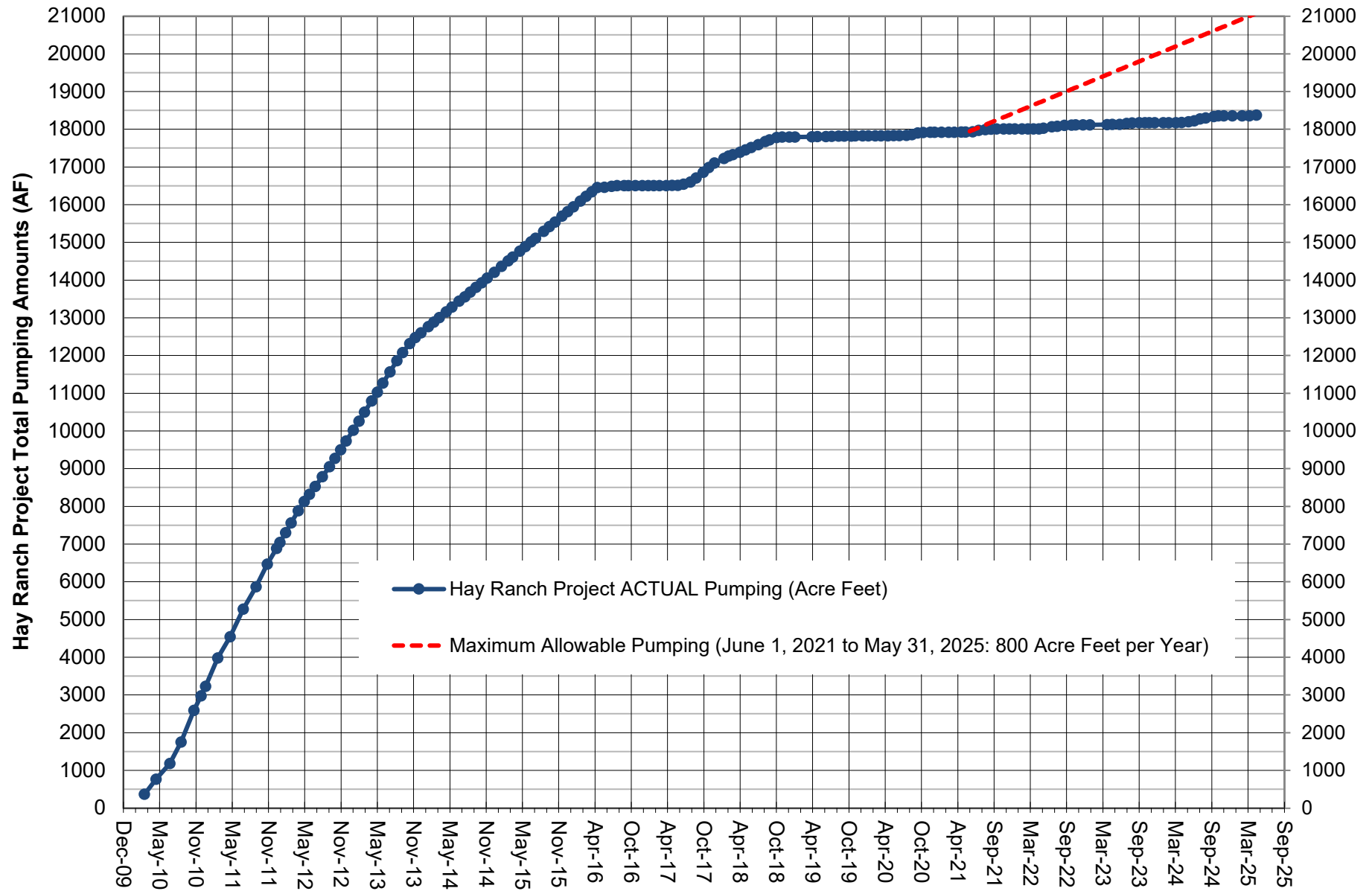
1) GWE: Groundwater elevation measured in feet above mean sea level. Baseline GWEs set by Inyo County Water Department in April 1, 2011 HMMP addendum.

2) Max DD and Trigger Level: Maximum Acceptable Drawdown and Drawdown Trigger Level from Table 4 of the "Fourth Updated Groundwater Flow Model and Predictive Simulation Results, Coso Operating Company Hay Ranch Water Extraction and Delivery System, Conditional Use Permit (CUP) 2007-003" Dated May 27, 2021.

3) Well inaccessible in April 2025 due to damaged access road.

4) Cinder Road well damaged in October 2017, surveyed measuring point removed. Accuracy of GWE calculation may be reduced.

**FIGURE 1**  
**ACTUAL AND MAXIMUM ALLOWABLE PUMPING AMOUNTS (TOTALS) FOR HAY RANCH PROJECT**



Coso Operating Company has pumped less than the maximum allowable amounts throughout the project.