

TO: Rosedale-Rio Bravo Water Storage District Board of
Directors Agenda Item 7.a.i

FROM: Dan W. Bartel

DATE: September 14, 2021

RE: Onyx Ranch Operations Report

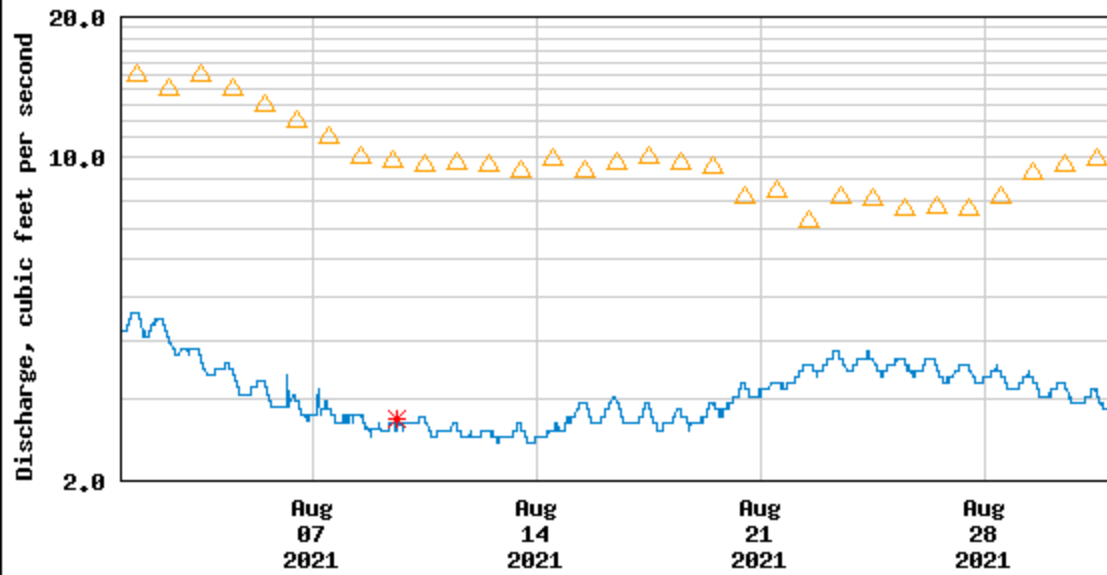
Discussion:

Staff has been working to implement an interim operations plan considering the District's developing goals and objectives on the Ranch. Specifically, staff has:

- Continued operation of conveyance system.
- Worked on fencing projects
- Planning of stockwater systems for project conditions
- Met with tenants to discuss 2022 operations
- Coordinated implementation of BIO-1: Assessment and Monitoring Program for pre-project sensitive vegetation natural communities' assessment.
- Prepared VRF and Access documents for annual maintenance activities under the lake and streambed alteration permit process
- The CEQA team distributed the FEIR including responses to comments on 12/30/2020 and the Board Certified the document on 1/12/2020. Staff continued coordination efforts with the Kern River Interests with hopes of implementation for January 1, 2022.

Onyx Ranch diverted 79 in August. Monthly demands were down from previous years due to field transitions and low flow conditions, wells were operated to supplement the available surface water supplies. South Fork flows downstream of Bloomfield averaged 3 cfs with a peak of 4 cfs, below the long-term median of 10 cfs.

USGS 11189500 SF KERN R NR ONYX CA



----- Provisional Data Subject to Revision -----

- △ Median daily statistic (94 years) * Measured discharge
- Discharge

South Fork Kern River Monthly Measurement Report

Aug-21

Daily values in SFD = Second Foot Days, Monthly total in AF = Acre-Feet

| Date | South Fork | D.Prince (4,5,17,20-22,37) | | | Hafenfeld (5) | | | RRBWS (1,3,6,7,12, Wirth1, 30,33, Boone) | | | J.Nicoll (3) | Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37) | | Smith (Smith) | Total Diverted | South Fork |
|------|-------------|----------------------------|--------|--------|---------------|---------|------------|--|---------|--------|--------------|---|--------|---------------|----------------|-------------------|
| | USGS - Onyx | Mill/Hillside | Miller | Prince | Miller | Landers | Cottonwood | Scodie/Mack | Landers | Nicoll | Nicoll | Cottonwood | Nicoll | Smith | | Sierra Way "Flow" |
| 1 | 5 | | | | | | | | 1.5 | | | | | 0.5 | 2 | No |
| 2 | 4 | | | | | | | | 2.0 | | | | | 2.1 | 4 | No |
| 3 | 4 | | | | | | | | 1.5 | | | | | 2.1 | 4 | No |
| 4 | 3 | | | | | | | | 1.5 | | | | | 2.1 | 4 | No |
| 5 | 3 | | | | | | | | 2.0 | | | | | 2.1 | 4 | No |
| 6 | 3 | | | | | | | | 2.0 | | | | | 2.1 | 4 | No |
| 7 | 3 | | | | | | | | 1.5 | | | | | 2.1 | 4 | No |
| 8 | 3 | | | | | | | | 2.0 | | | | | 2.1 | 4 | No |
| 9 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 10 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 11 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 12 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 13 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 14 | 3 | | | | | | | | 1.0 | | | | | 2.0 | 3 | No |
| 15 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 16 | 3 | | | | | | | | 1.0 | | | | | 2.0 | 3 | No |
| 17 | 3 | | | | | | | | 1.0 | | | | | 2.0 | 3 | No |
| 18 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 19 | 3 | | | | | | | | 0.5 | | | | | 2.0 | 3 | No |
| 20 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 21 | 3 | | | | | | | | 0.5 | | | | | 2.0 | 3 | No |
| 22 | 3 | | | | | | | | 1.5 | | | | | 2.0 | 4 | No |
| 23 | 4 | | | | | | | | 2.0 | | | | | 2.4 | 4 | No |
| 24 | 4 | | | | | | | | 1.5 | | | | | 2.4 | 4 | No |
| 25 | 4 | | | | | | | | 0.5 | | | | | 2.4 | 3 | No |
| 26 | 3 | | | | | | | | 0.5 | | | | | 2.4 | 3 | No |
| 27 | 3 | | | | | | | | 0.5 | | | | | 2.4 | 3 | No |
| 28 | 3 | | | | | | | | 0.5 | | | | | 2.4 | 3 | No |
| 29 | 3 | | | | | | | | 1.0 | | | | | 2.4 | 3 | No |
| 30 | 3 | | | | | | | | 1.0 | | | | | 1.7 | 3 | No |
| 31 | 3 | | | | | | | | 1.0 | | | | | 1.7 | 3 | No |
| SFD | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 64 | 104 | 0 |
| AF | 192 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 126 | 205 | 0 |
| | 3 | | | | | | | | 79 | | | | | 126 | | |

Note: Cottonwood via the Landers

**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT - ONYX RANCH
MONTHLY GROUNDWATER MONITORING RUN
AUG**

2021

| Well Name | DATE | Depth to Water (ft) | Notes |
|----------------------------|-------------|----------------------------|--------------|
| Onyx Store - Domestic | 8/31/2021 | 45.3 | |
| Ranch HQ - Domestic | 8/31/2021 | | |
| Landers Sand - Old Ag Well | 8/31/2021 | 25.3 | |
| Onyx Store - Old Ag Well | 8/31/2021 | 26 | |
| | | | |
| Mack Well | 8/31/2021 | 92 | Well is on |
| Nicoll Field - Old Ag Well | 8/31/2021 | 34.5 | |
| Mack Field West - Domestic | 8/31/2021 | 18.7 | |
| Gibboney-2 Piezo | 8/31/2021 | 11 | |
| Gibboney-3 Piezo | 8/31/2021 | 11.2 | |
| Boone Piezo | 8/31/2021 | 11.8 | |
| Lieb Piezo | 8/31/2021 | 8 | |
| Pruitt Piezo | 8/31/2021 | 18.4 | |
| Scodie Well | 8/31/2021 | 76.6 | Well is on |
| Pruitt Well | 8/31/2021 | 51.3 | Well is on |
| Nicoll Well | 8/31/2021 | 55.2 | Well is on |
| Mack Piezo | 8/31/2021 | 20.3 | |