

# Lake 4, West Lake and A-Frame Dam Rehabilitation

## Weekly Construction Report

9/3/2019 to 9/14/2019

**Date:** 9/15/2019

**Project Owners:** Boulder County and St. Vrain & Left Hand Water Conservancy District

**Location:** Boulder County Open Space west of Hygiene, CO

**Contractor:** Kirkland Construction

**Weather & Site Conditions:** Clear, warm and dry

**By:** Obadiah Broughton, Boulder County



### Work in Progress/Completed

1. Initial mobilization of project equipment and materials to set up staging areas, limits of disturbance fencing, dewatering operation and stormwater control measures.
2. Field meeting with Kirkland staff, Boulder County staff and ERO (wildlife consultant) to discuss wildlife conservation measures and cultural resource compliance, per the FEMA REC.
3. Building, Grading and Floodplain Development Permits received from Boulder County on Sept. 9<sup>th</sup>, 2019.
4. Fence installation for delineating limits of disturbance has begun on the north boundary of the project site.
5. Delivery of equipment and materials to facilitate dewatering and installation of project fencing and stormwater control measures.
6. Preparation and initiation of the dewatering operation. Initial dewatering occurring in West Lake with two pumps via 6" and 8" HDPE discharge pipelines. Due to the upgradient position and the breach between the lakes, Lake 4 is lowering and dewatering too. Discharge is to St. Vrain Creek after it goes through two settling tanks and settling basins.
7. Colorado Parks and Wildlife staff are actively working with Boulder County staff to salvage recreational fish species from West Lake for transfer to other lakes and ponds outside the project area before the lake is completely dewatered.



Field meeting to discuss wildlife conservation measures.



Construction fence delineating Limits Of Disturbance (LOD). An installed wildlife conservation measure.

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### Upcoming Work

1. Continued dewatering of West Lake and Lake 4. Installation of additional pumps and pipelines as needed.
2. Continued installation of construction fencing and stormwater control measures.

### Additional Notes

1. Boulder County and Kirkland established construction monitoring photo points to be used to document the progress of the project.



Dewatering pumps in West Lake.



Salvaged catfish from West Lake.



The 8" and 6" HDPE dewatering pipelines discharging into the settling tanks prior to discharge to St. Vrain Creek.

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Watering flowing through the settling tanks.



Dewatering discharge from settling tanks into settling basins above St. Vrain Creek .



Dewatering discharge into St. Vrain Creek just south of the 63<sup>rd</sup> Street Bridge.



Dewatering discharge point in St. Vrain Creek just south of the 63<sup>rd</sup> Street Bridge.