

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

Final Weekly Construction Update Report

9/25/2020 to 10/2/2020



Location: Boulder County Open Space west of Hygiene, CO

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

Design Engineers:

- Lake 4 - Engineering Analytics (EA)
- West Lake and A-Frame - Applegate Group (AG);
- Lake 4 Outlet Pipeline - Deere & Ault (DA)

Construction Contractors:

- Kirkland Construction (Prime Contractor)
- Lobato Construction (Sub-contractor)

Weather & Site Conditions: Hot and dry site conditions

Update completed by: Obadiah Broughton, Boulder County

Work in Progress/Completed:

Lake 4 Dam, West Lake Dam, A-Frame Dam, and Lake 4 Outlet Pipeline sub-projects: In late July when construction was completed the project site was stabilized but revegetation/re-seeding tasks were delayed until favorable weather conditions in the fall.

1. On September 24th Kirkland re-mobilized their revegetation sub-contractor to finish final site stabilization on all disturbed work areas and staging areas. Work performed included disking and de-compacting top-soils in select areas that needed it, drill-seeding or hand-broadcasting in native upland, pasture and wetland seed and crimping or tacking and additional 1000 lbs. of straw mulch on all work areas.
2. Mobilization started on September 25th and all work and demobilization was complete by October 2nd.
3. Project website for additional updates and information:
<https://www.bouldercounty.org/open-space/management/lake-4-west-lake-a-frame-pond/>



9/29: Looking west at drill seeding on the West Lake Dam embankment.



9/29: Looking west at drill seeding on the north bank of A-Frame pond along the Lake 4 Outlet Pipeline alignment and around the A-Frame Outlet structure.



9/26: Looking east at decompaction efforts along a project access road and the Lake 4 Outlet Pipeline alignment on the north bank of A-Frame Pond.



9/26: Looking west at decompaction efforts along a project access road and the Lake 4 Outlet Pipeline alignment on the north bank of A-Frame Pond.



10/2: Spraying tackifier on the straw mulch and seed east of West Lake Dam.



9/29: Looking west at drill seeding on the West Lake Dam embankment.



9/29: Looking west at drill seeding on the Lake 4 Dam embankment.



10/2: Spraying tackifier on the straw mulch and seed on the downstream side of the Lake 3 embankment.



9/30: Downstream side of Lake 4 Dam embankment; seeded and mulched.



9/28: Looking east at drill seeding furrows on the Lake 3 embankment.

0.00 in

UNAVAILABLE

ASSOCIATED WEBCAM

x

THERE IS NO ASSOCIATED
WEBCAM WITH THIS STATION

Weather History for KCOLONGM218

Weekly Mode October 4 2020

Next

Previous

View

Summary

September 28, 2020 - October 4, 2020

	High	Low	Average
Temperature	82.8 °F	-14.5 °F	57.3 °F

	High	Low	Average
Dew Point	47.9 °F	-22.9 °F	34.8 °F
Humidity	89 %	19 %	46 %
Precipitation	0.00 in	--	--

	High	Low	Average
Wind Speed	19.1 mph	0.0 mph	4.0 mph
Wind Gust	21.2 mph	--	3.0 mph
Wind Direction	--	--	WNW
Pressure	30.29 in	29.90 in	--

Graph	Table
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September 28, 2020 - October 4, 2020

Date	Temperature			Dew Point			Humidity			Speed			Pressure	
	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Low
9/28/2020														
9/29/2020	64.2 °F	50.6 °F	37.6 °F	36.2 °F	29.8 °F	24.6 °F	79 %	49 %	23 %	14.5 mph	4.0 mph	0.0 mph	30.25 in	30.11 in
9/30/2020	82.8 °F	62.5 °F	-14.5 °F	43.5 °F	33.5 °F	-22.9 °F	65 %	35 %	21 %	15.0 mph	4.2 mph	0.0 mph	30.13 in	29.96 in
10/1/2020	73.2 °F	61.1 °F	48.6 °F	47.9 °F	35.7 °F	22.3 °F	89 %	39 %	20 %	15.5 mph	4.7 mph	0.0 mph	30.24 in	29.99 in
10/2/2020	67.6 °F	53.6 °F	38.8 °F	40.2 °F	35.7 °F	30.7 °F	79 %	52 %	34 %	12.5 mph	3.6 mph	0.0 mph	30.29 in	30.09 in
10/3/2020	74.3 °F	58.1 °F	40.6 °F	43.7 °F	36.0 °F	31.1 °F	78 %	47 %	25 %	19.1 mph	3.8 mph	0.0 mph	30.09 in	29.92 in

Date	Temperature			Dew Point			Humidity			Speed			Pressure	
	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Low
10/4/2020	68.4 °F	54.7 °F	43.5 °F	41.8 °F	36.9 °F	32.4 °F	67 %	52 %	36 %	11.4 mph	3.9 mph	0.0 mph ^x	30.11 in	30.04 in
	80.8 °F	60.5 °F	40.8 °F	44.9 °F	36.1 °F	31.9 °F	76 %	45 %	19 %	13.5 mph	4.0 mph	0.0 mph	30.07 in	29.90 in

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