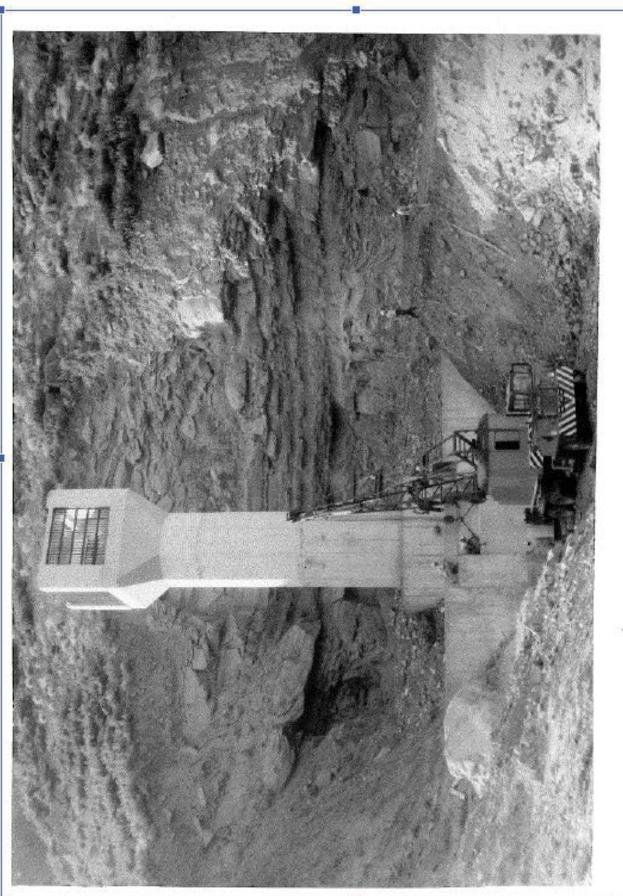


Figure 2. Paonia Reservoir storage level, 2014-present.



General view of outlet works intake structure as temporary irrigation bulkhead is being installed. Work by Bud King Construction Company, Specs. No. DC-5117. P551-417-2302 Paonia Dam -- Paonia Project, Colorado. of Reclamation photo by E. J. Peterson

Figure 2.—Photo of the construction of the intake tower at Paonia Dam in 1961 (photo courtesy of Philip Ipson, Western Colorado Area Office).

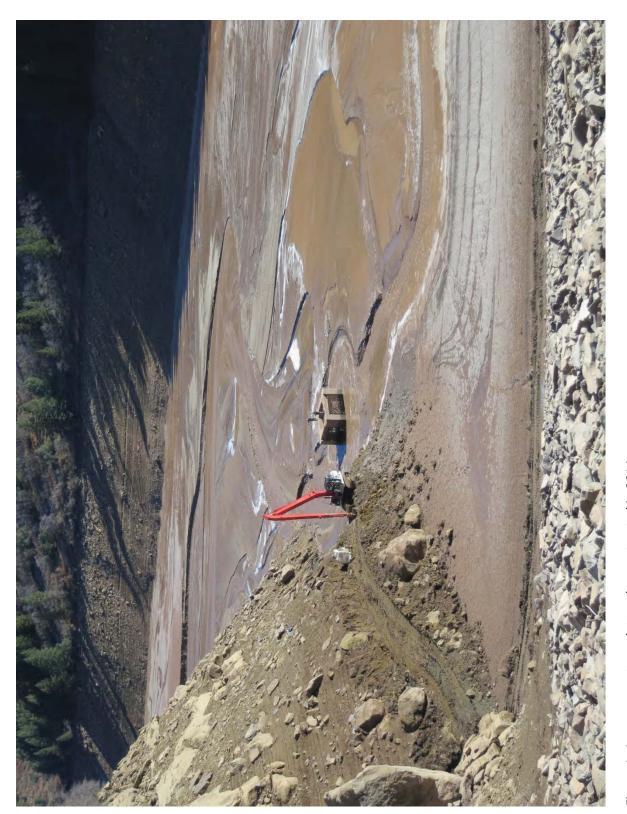


Figure 1- Access ramp to outlet works constructed in 2014.



Figure 2- Low flow channel eroded through sediment deposit in 2014.

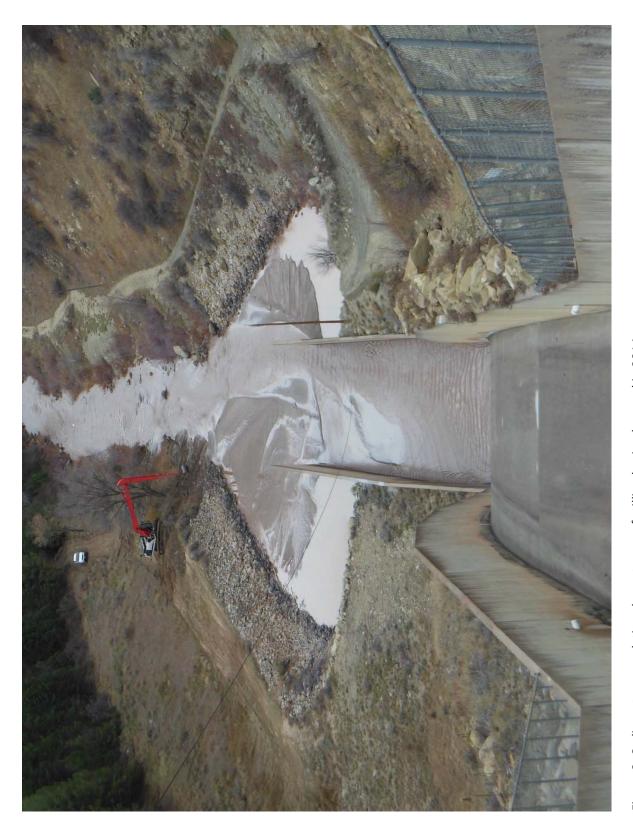


Figure 3- Sediment accumulation downstream of stilling basin observed in 2014.

Attachment A – Monitoring Plan Summary

Environmental Resource	Evaluation Criteria	Monitoring Mechanism	Location	Monitoring Frequency	Data delivered to USACE
Stream Health	Suspended Sediment Concentration	USGS Monitoring Stations	Above and below reservoir	15-minute intervals, seasonally through 2018	January 2019
	Sediment Deposition	Measurement of percent fines and channel morphology (USGS Pebble counts & cross section surveys)	Downstream of dam for 7 miles at 6 different locations	Samples once a year from 2015-2018. Data available January of following year	January 2019
Aquatic Life	Macroinvertebrates	Species Composition, Tolerance Indicator Values (TIV _{sed}), Multi-Metric Index (MMI)	Downstream of dam for 7 miles at 6 different locations (with one replication site); Upstream of reservoir at 1 location	Samples once a year from 2016-2018. Data available after lab analysis (estimated June of following year)	June 2019
	Fish Population	Species composition, abundance, survival, growth rates	Downstream of dam at 2 different locations	Samples once a year from 2016-2018. Report available 2018.	January 2019
	Aquatic Habitat Condition (fish spawning habitat)	Measurement of percent fines (USGS pebble counts)	Downstream of dam for 7 miles at 6 different locations	Samples once a year from 2015-2018. Data available January of following year	January 2019