

Klutina River

Condition of Improvements
31 December 2017
Klutina River at Copper Center, Alaska
(CWIS No. 003830)

Authorization Flood Control Act, 30 June 1958, adopted as amended under Section 205, and authorized by the Chief of Engineers, 12 June 1968, provides for a levee 4,400 feet in length along the north bank of the Klutina River to protect the developed area of Copper Center and the northerly approach to the Richardson Highway Bridge.

Table 1

Existing Project	Length ft.	Width ft.	Height ft.
Levee	4100	10 *	10 *

**Width at Top; Average height*

Project Usage This project provides flood protection for the developed area of Copper Center and the northerly Richardson Highway approach to the bridge crossing the Klutina River.

Progress of Work

1970	The final design calls for a revised levee length of 4,100 feet with an average height of 10 feet and a top width of 10 feet. All costs in excess of \$1 million are to be funded by local interests.
1971	Work on the levee begins in August and continues until suspended for the winter in October.
1972	Construction is resumed in June and the project is deemed complete after a final inspection in August. The project is turned over to local interests for maintenance. Annual inspections determine compliance with the requirements of local cooperation.
1999	The most recent inspection in July finds the project to be in satisfactory condition. A cut at station 8+50 has been filled requiring a local roadway to pass over the levee.
2000	Inspection by Corps' personnel finds no deficiencies in the project.
2001	The Corps' inspector reports that the project is in excellent condition.
2002	The project is found in good condition. Recommendations are made to clear the levee of brush and keep the culverts free of debris.

Progress of Work

2003	The Corps' inspector describes the project as being in "great shape," June 2003.
2004	Corps' inspector finds 150 feet of revetment at the up-stream approach to the Richardson Highway Bridge to be eroded and in need of new armor rip-rap. The embankment itself has been breached by a pedestrian walkway and two unauthorized barricades have been erected; these deficiencies need to be corrected by local interests.
2005	The Corps' inspector finds the project in good overall condition. The scour at the highway bridge abutment needs to be monitored so that the levy is not compromised. Repair to one culvert is recommended.
2008	An overall inspection rating of the levee system is "Minimally Acceptable" due to the presence of vegetation, erosion, and encroachments.
2009	This project was inspected in June by USACE and the State of Alaska, DOT and Public Facilities. The inspection deficiencies are the same as 2008.
2010	The Klutina Levee was inspected June. The levee received a rating of 'minimally acceptable'. The State of Alaska, Department of Transportation and Public Facilities (ADOT&PF) had removed most vegetation and was still working on repairs and encroachment issues.
2013	The Klutina Levee was inspected June. The levee received a rating of 'unacceptable'.
2017	The Klutina Levee was inspected and received a rating of 'unacceptable'. Vegetation in excess of 6 inches in diameter was observed along the levee. No maintenance had been performed since the previous inspection. The levee is currently designated as 'inactive.'

Table 2 Cost to Date

Project	Description	Cost \$
003830	CG Costs	260,681
	O&M Costs	7,041

Klutina River Levee, Copper Center, Alaska



Klutina River Levee, September 2013



Encroachments within the levee footprint, August 2017