

# Salmon River



Condition of Improvements  
31 December 2022  
**Salmon River, Hyder, Alaska**  
(CWIS No. 072857)

**Authorization** (1) River and Harbor Act, 18 June 1934 (House Doc. 228, 72nd Congress, 1st Session) as adopted, provides for a rock-faced earth dike 4,334 feet in length with an average height of 5 feet along the eastern bank of the Salmon River to protect the town of Hyder from floods and prevent the deposition of silt in the harbor. (2) River and Harbor Act, 11 July 1956 (Public Law 685, 84th Congress) as adopted, provides for a downstream extension of 1,000 feet to the existing levee.

**Previous Project** Territorial and local interests expended \$26,350 for dikes, revetment, and dredging for flood protection; the U.S. Bureau of Public Roads spent \$8,000 for a rock dike.

**Table 1**

| Existing Project | Length ft. | Height ft. |
|------------------|------------|------------|
| Dike             | 4600       | 5          |

**Project Usage** This project offers protection to the Salmon River Highway, the town of Hyder, and the approach to Hyder dock.

**Progress of Work**

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| 1935 | The authorized project with a 266 foot rock fill extension is completed. Annual inspections are to determine compliance with the requirements of local cooperation.  |
| 1961 | Summit Lake, located beneath Summit Glacier, drains into the Salmon River in December; unusual flood conditions result washing out 1,500 feet of the dike and damaging the remainder.  |
| 1962 | Rehabilitation and realignment of the dike is accomplished from August to October. The downstream extension of the project is determined to be unnecessary. The project is transferred to the Alaska Department of Public Works for operation and maintenance. |
| 1994 | An inspection by the Corps determines that the project is in satisfactory operational condition. Riverside of project is damaged and in need of repair in several areas.   |

## Progress of Work

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|------|---|
| 2001 | Inspection by the Corps finds some minor loss of armor stone and heavy vegetation, the project is in satisfactory condition.  |
| 2006 | The Corps inspector reports that the dike appears to be in poor condition. Much of the armor rock along the river-side slope has been lost. It is recommended that the river-side slope be refurbished, and until that time, the vegetation be left in place because of its stabilizing effect.   |
| 2007 | The State of Alaska responds to the Corps rating of “poor” to the project condition by scheduling a review of the needed repairs during its road upgrade program scheduled for 2008.  |
| 2010 | Levee has been inactive in the Rehabilitation and Inspection Program (RIP) since 2007 and remains inactive. The inspection showed no signs of improvement, however the Corps and State of Alaska Department of Transportation and Public Facilities (ADOT&PF) had a meeting and ADOT&PF have interest in trying to get the levee back to the RIP.                                 |
| 2014 | The dike was inspected in September and found to be in "poor" condition.  |
| 2018 | A periodic inspection found the levee to be in an unacceptable condition, primarily due to erosion of riprap revetments and unwanted vegetation on the levee embankment slopes and crown. The extent of vegetation limited the inspection team's ability to identify and assess issues with the levee. The team recommended clearing vegetation in accordance with EM 1110-2-301. |

**Table 2 Cost to Date**

| <b>Project</b> | <b>Description</b> | <b>Cost \$</b> |
|----------------|--------------------|----------------|
| 72857          | CG Cost            | 37,770         |

# Salmon River, Hyder, Alaska



Salmon River Dike , July 2012



Salmon River Dike , September 2014