

Salmon Creek

Condition of Improvements
31 December 2022
Salmon Creek, Seward, Alaska
(CWIS No. 330933)

Authorization (1) Section 205 of the Flood Control Act of 1948 (Public Law 80-858), as amended.

Table 1

Existing Project	Length ft.	Height ft.
Armored Revetment (2018)	1750	10

Project Usage This project offers protection to the Bear Lake neighborhood, which lies to the north of Seward, AK.

Progress of Work

2015	Section 205 Feasibility Study/FONSI approved at Pacific Ocean Division, July 15
2016	Project Partnership Agreement signed
2017	A contract to construct an armored revetment along Upper Salmon Creek is awarded to Hamilton Construction in August. The project was authorized under the Continuing Authorities Program (CAP) Section 105 and provides for 1,500 feet of armored revetment to provide flood risk management to the area. Original contract amount was \$1,990,500.
2018	Construction started February 13, 2018. Construction was performed with snow on the ground. Snow was used to divert flow to the far bank of the creek allowing stone to be placed in dry conditions. Most rock placed was sourced from the Shakmanof Cove quarry on Kodiak. Some B rock was sourced locally from Seward. Construction was completed in April with a final inspection on May 14. A spring storm caused stone at the toe of the revetment to launch and a modification to the construction contract was executed to add 600 cubic yards of riprap to the toe of the structure. New stone was placed in the fall and modification construction was completed on November 20. The new stone was leftover material from a different project using stone from Shakmanof; the stone was significantly larger than the design riprap gradation.
2019	The 1-year warranty inspection was conducted in November and the project was found to be in good condition with no warranty issues identified.

Progress of Work

2021 No significant launching of the toe stone was observed during the inspection. Riprap appeared to be well keyed-in and in good condition on the side slopes and the toe bench over the entire length of the project. Sediment has accumulated in the channel, which will protect the revetment toe but reduce hydraulic capacity of Salmon Creek.

Table 2 Cost to Date

Project	Description	Cost \$
330933	CG CAP 105 Federal Costs	1,891,186
	CG CAP 105 Contributed Costs	1,063,871

Salmon Creek, Seward, Alaska



Salmon Creek Revetment looking upstream, August 2021



Salmon Creek Revetment looking downstream, September 2019