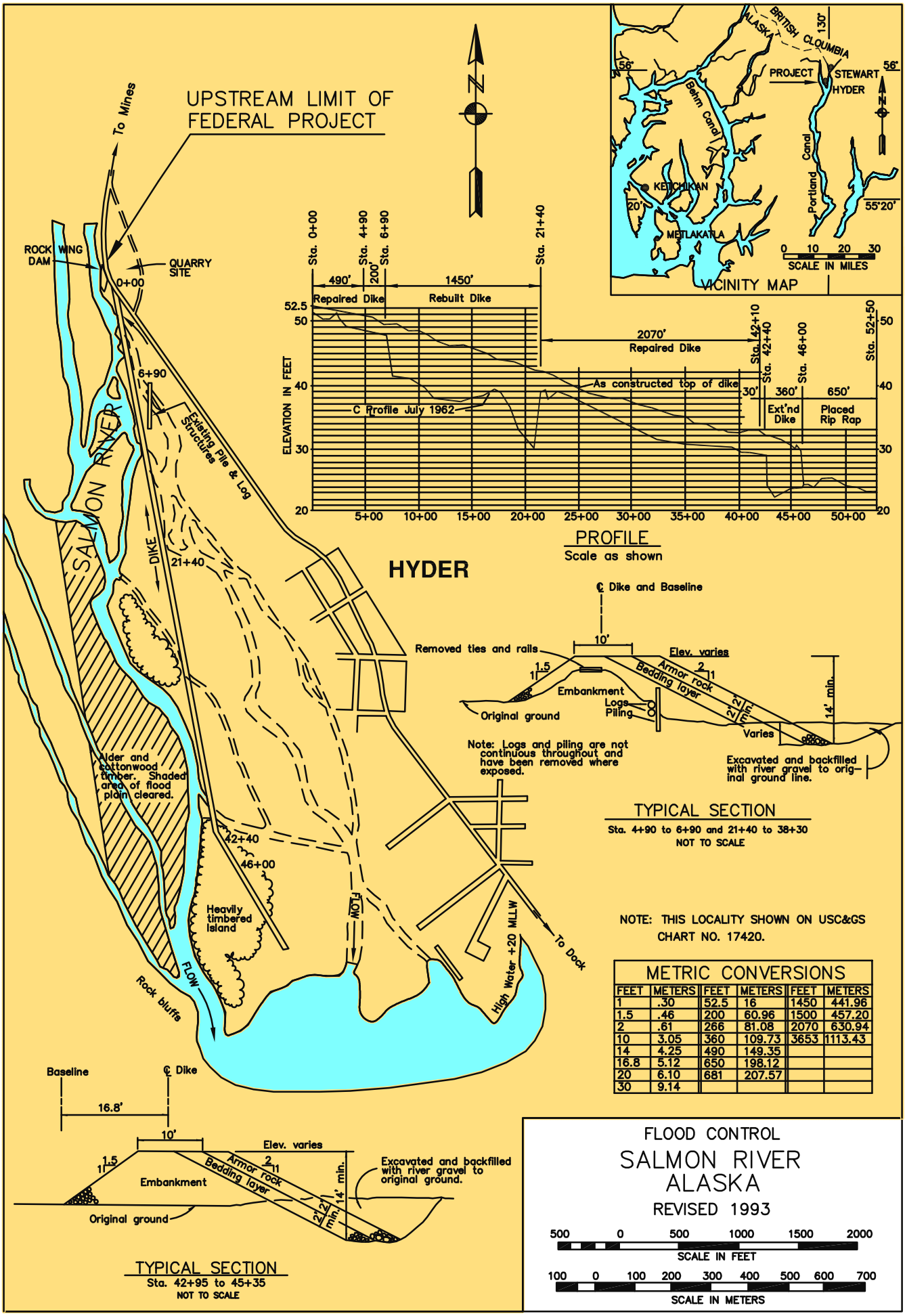
SALMON RIVER

CORPS OF ENGINEERS

U.S. ARMY



METRIC CONVERSIONS

FEET	METERS	FEET	METERS	FEET	METERS
1	.30	52.5	16	1450	441.96
1.5	.46	200	60.96	1500	457.20
2	.61	266	81.08	2070	630.94
10	3.05	360	109.73	3653	1113.43
14	4.25	490	149.35		
16.8	5.12	650	198.12		
20	6.10	681	207.57		
30	9.14				

SALMON RIVER, HYDER, ALASKA
(CWIS NO. 72857)

Condition of Improvement 30 September 2010

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.

EXISTING PROJECT:	LENGTH	HEIGHT	WIDTH
• Dike	4600 ft	5 ft	

PROJECT USAGE: This project offers protection to the Salmon River Highway, the town of Hyder, and the approach to Hyder dock.

PROGRESS OF WORK:

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.

2001 - Inspection by the Corps finds some minor loss of armor stone, but overall 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.

Continues on page 2-16a

SALMON RIVER, ALASKA (continued)

30 September 2010

COST TO DATE:

CG Costs	$37,770
CG Contributed Costs	$7,000
O&M Costs	$165,163
O&M Contributed Costs	$27,400

Salmon River, Hyder, Alaska

An indication of seepage, a pond on the landward side of the levee has the same water elevation as the river in August 2010.

Salmon River at Hyder 2006.

Salmon River, Hyder, Alaska

Along the Salmon River 2011.

The town of Hyder, Alaska in 2006.