# Klutina River

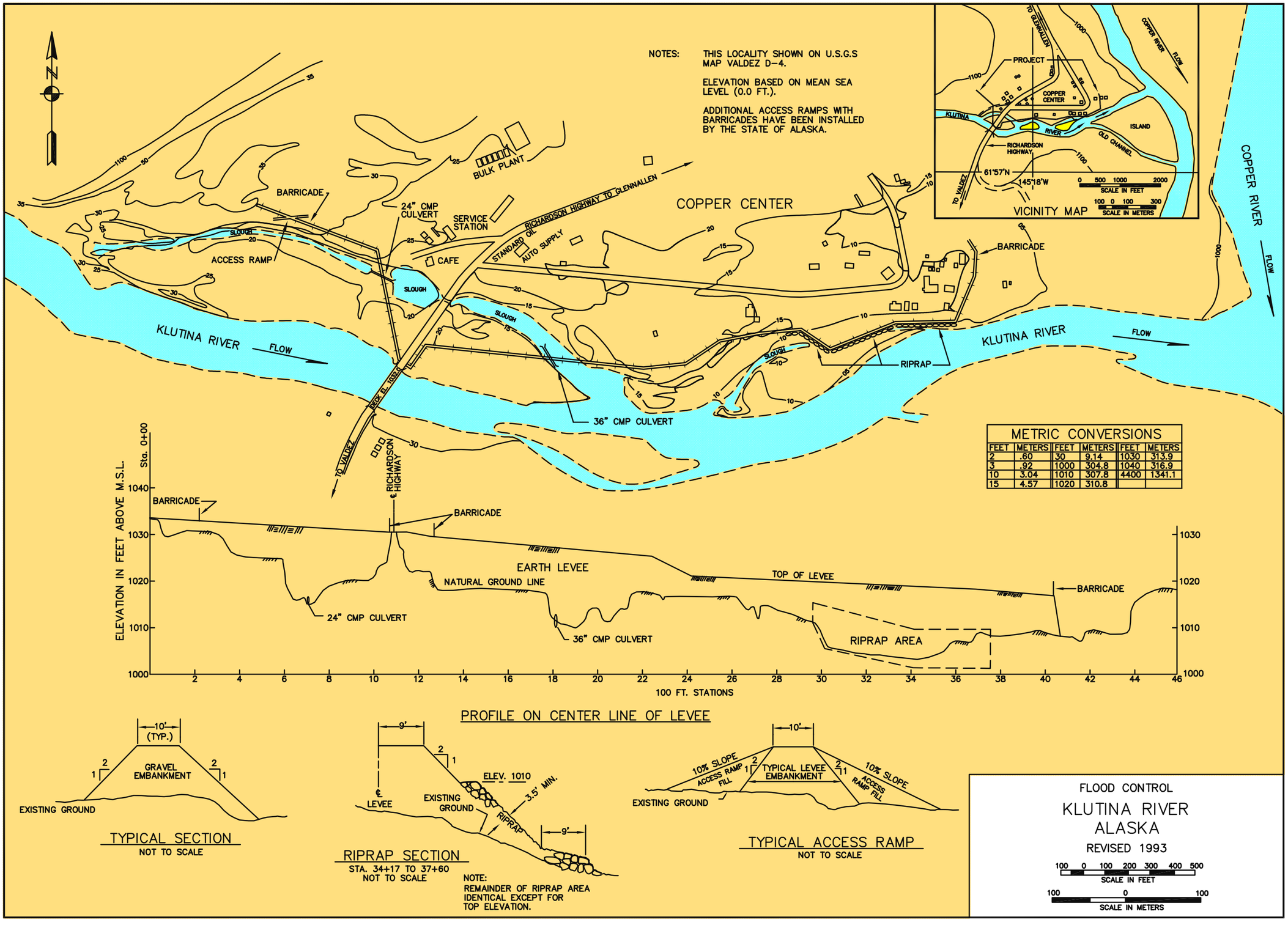
CORPS OF ENGINEERS

U.S. ARMY

NOTES: THIS LOCALITY SHOWN ON U.S.G.S MAP VALDEZ D-4.

ELEVATION BASED ON MEAN SEA LEVEL (0.0 FT.).

ADDITIONAL ACCESS RAMPS WITH BARRICADES HAVE BEEN INSTALLED BY THE STATE OF ALASKA.




PROFILE ON CENTER LINE OF LEVEE

| METRIC CONVERSIONS | | | | | |
|---|---|---|---|---|---|
| FEET | METERS | FEET | METERS | FEET | METERS |
| 2 | .60 | 30 | 9.14 | 1030 | 313.9 |
| 3 | .92 | 1000 | 304.8 | 1040 | 316.9 |
| 10 | 3.04 | 1010 | 307.8 | 4400 | 1341.1 |
| 15 | 4.57 | 1020 | 310.8 | | |




TYPICAL SECTION
NOT TO SCALE




RIPRAP SECTION
STA. 34+17 TO 37+60
NOT TO SCALE

NOTE:
REMAINDER OF RIPRAP AREA IDENTICAL EXCEPT FOR TOP ELEVATION.




TYPICAL ACCESS RAMP
NOT TO SCALE

FLOOD CONTROL

# KLUTINA RIVER ALASKA

REVISED 1993

SCALE IN FEET

SCALE IN METERS

# Condition of Improvements
# 30 December 2014
# **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 in 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'. |

## 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, 3 September 2013.


Encroachments within the levee footprint, 3 September 2013.