APPENDIX A. 1983 MIDDLE SUSITNA RIVER SEGMENT AQUATIC MACROHABITAT TYPES

Susitna-Watana Hydroelectric Project
(FERC No. 14241)

Geomorphology Study (6.5)

Updated Mapping of Aquatic Macrohabitat Types in the Middle Susitna River Segment from 1980s and Current Aerials

Technical Memorandum

Prepared for

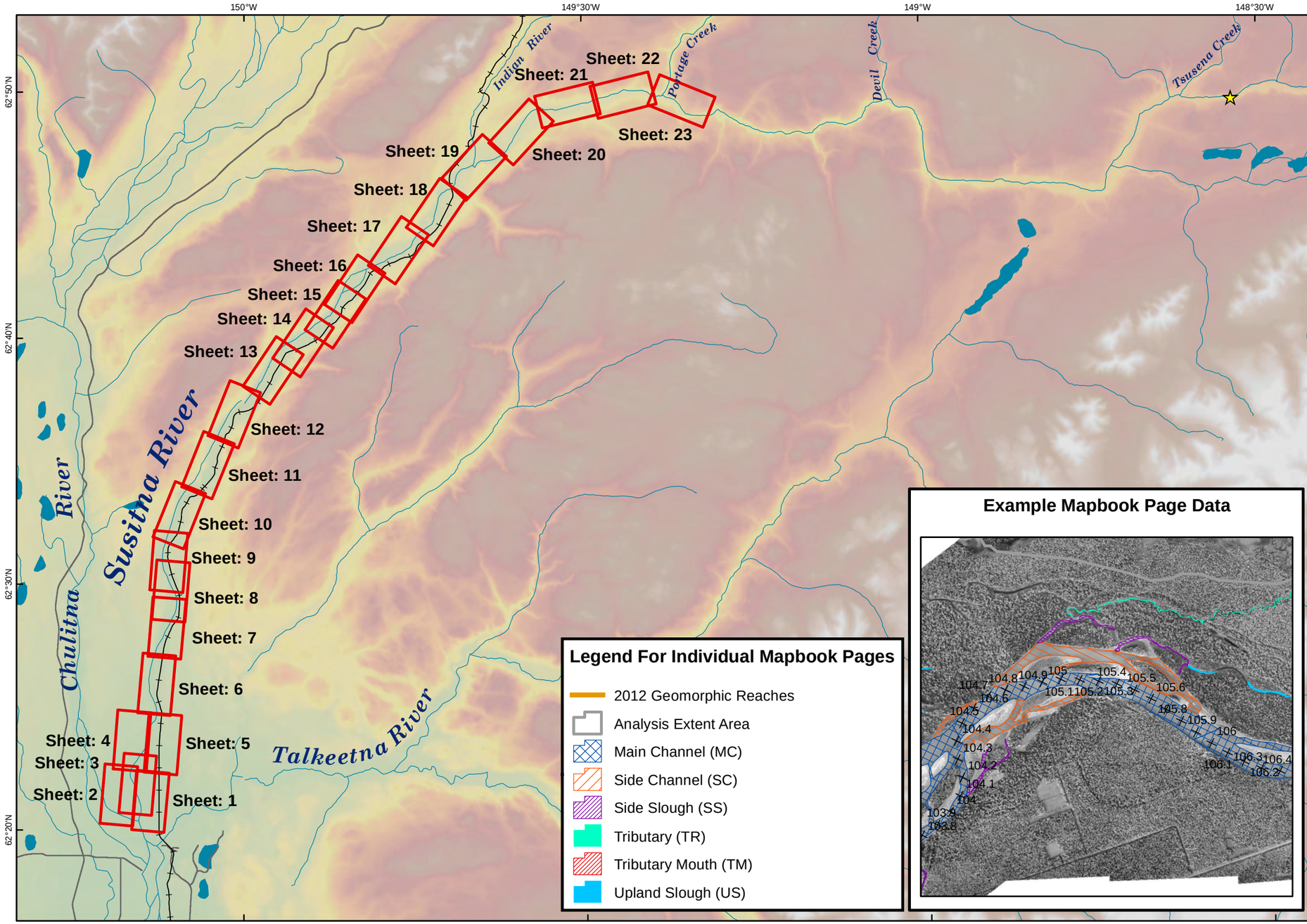
Alaska Energy Authority

SUSITNA-WATANA HYDRO
Clean, reliable energy for the next 100 years.

Prepared by

Tetra Tech, Inc.

September 2014



Legend For Individual Mapbook Pages

- 2012 Geomorphic Reaches
- Analysis Extent Area
- Main Channel (MC)
- Side Channel (SC)
- Side Slough (SS)
- Tributary (TR)
- Tributary Mouth (TM)
- Upland Slough (US)

Example Mapbook Page Data

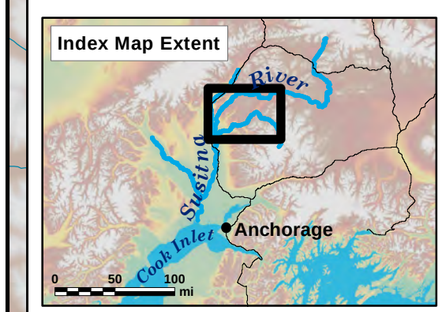
ALASKA ENERGY AUTHORITY

MIDDLE SUSITNA RIVER SEGMENT 1983 AQUATIC MACROHABITAT

Legend

- Proposed Watana Dam Site
- Sheet Extents
- Roads
- Railroads
- Rivers and Streams
- Waterbodies

Data Sources: See Map References



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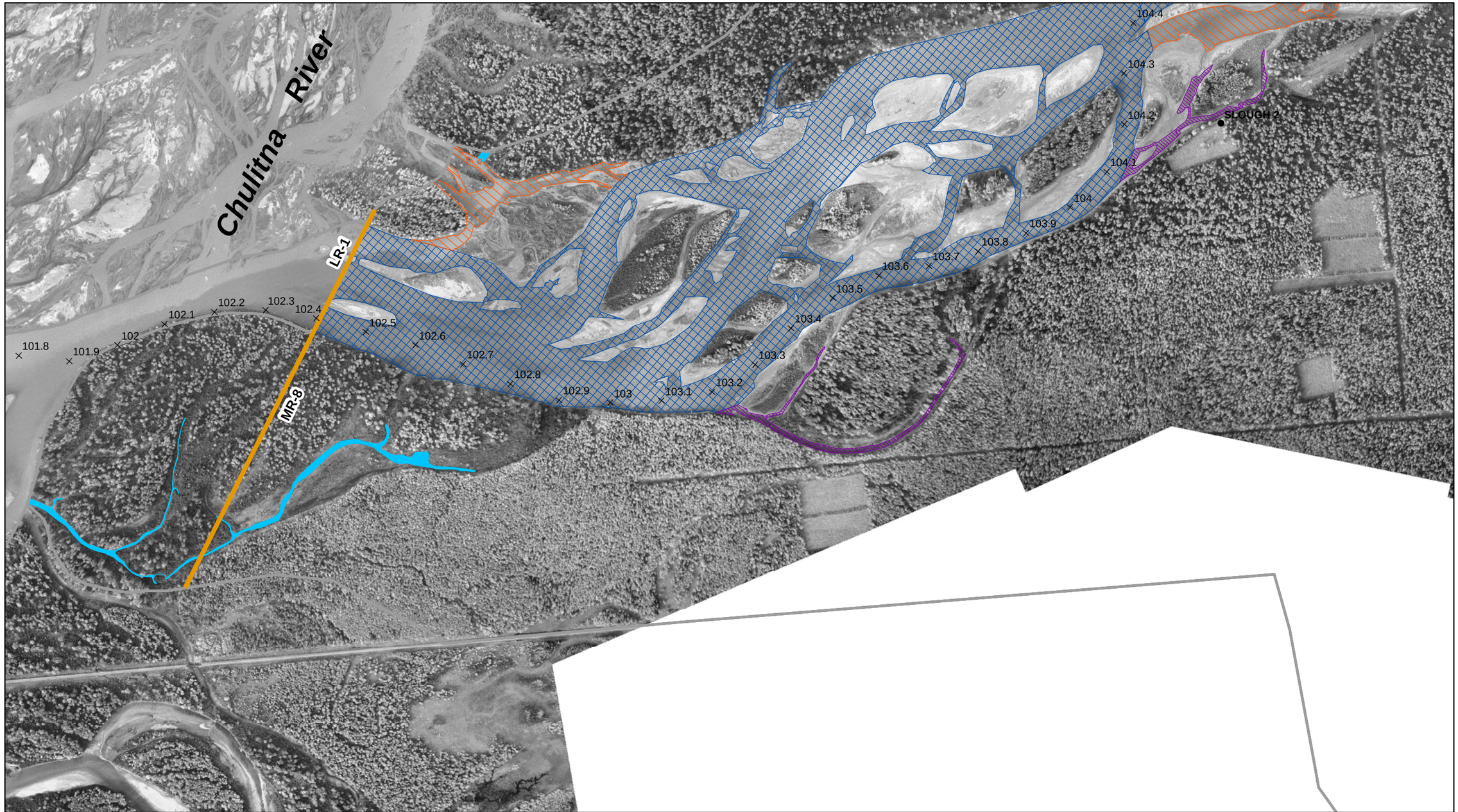
Projection: NAD83 State Plane Alaska 4 FIPS 5004 (ft)
Date Created: 8/27/2014
Map Author: Tetra Tech
File: 1980_AqMHabt_20140325_Cover.mxd



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1 inch = 1,000 feet

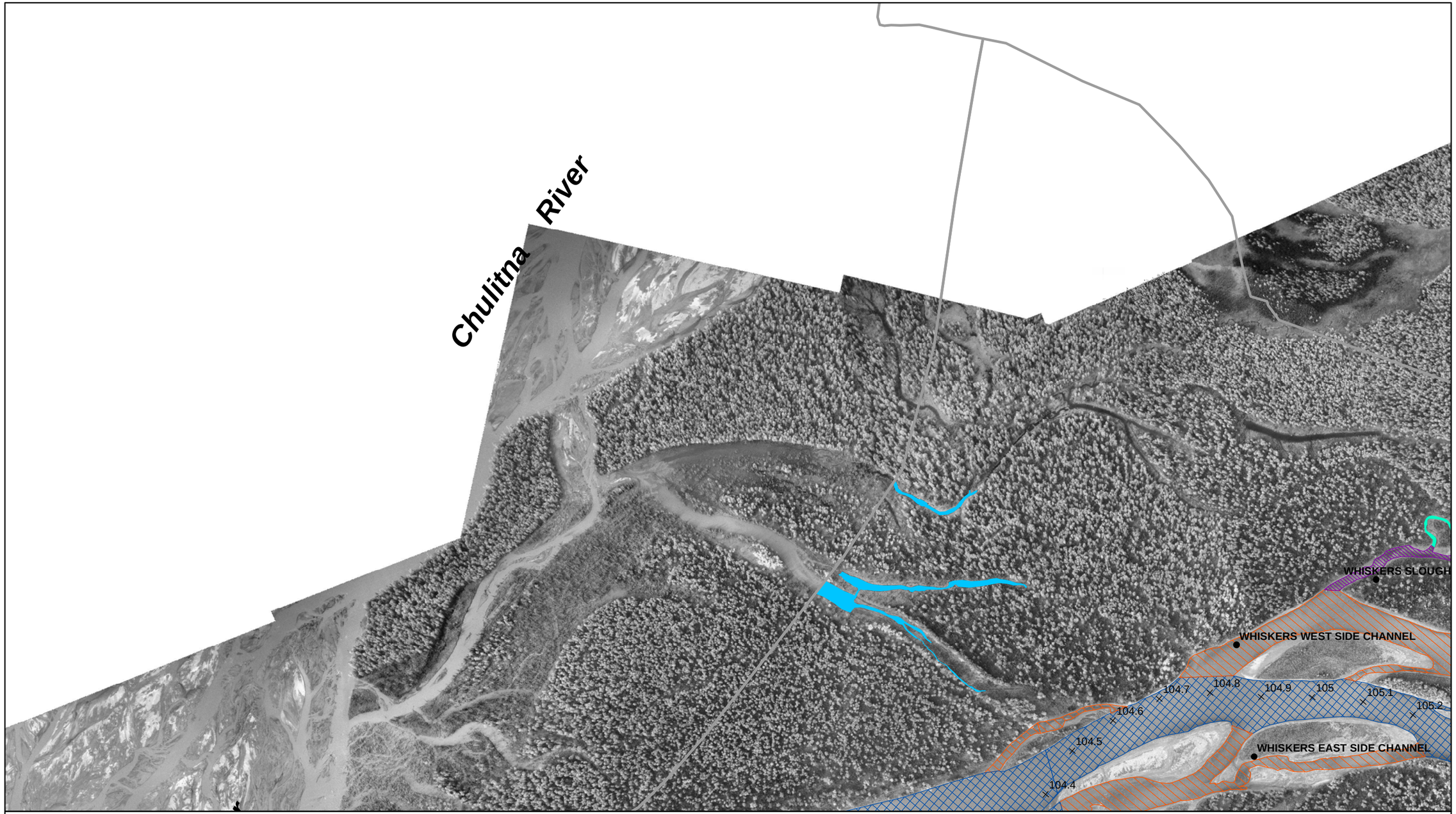
Sheet 1

See index page for legend and additional data information.

MIDDLE SUSITNA RIVER SEGMENT
1983 AQUATIC MACROHABITAT

Location:	Imagery Date,	Discharge (Gold Creek)
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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1 inch = 1,000 feet

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1983 AQUATIC MACROHABITAT

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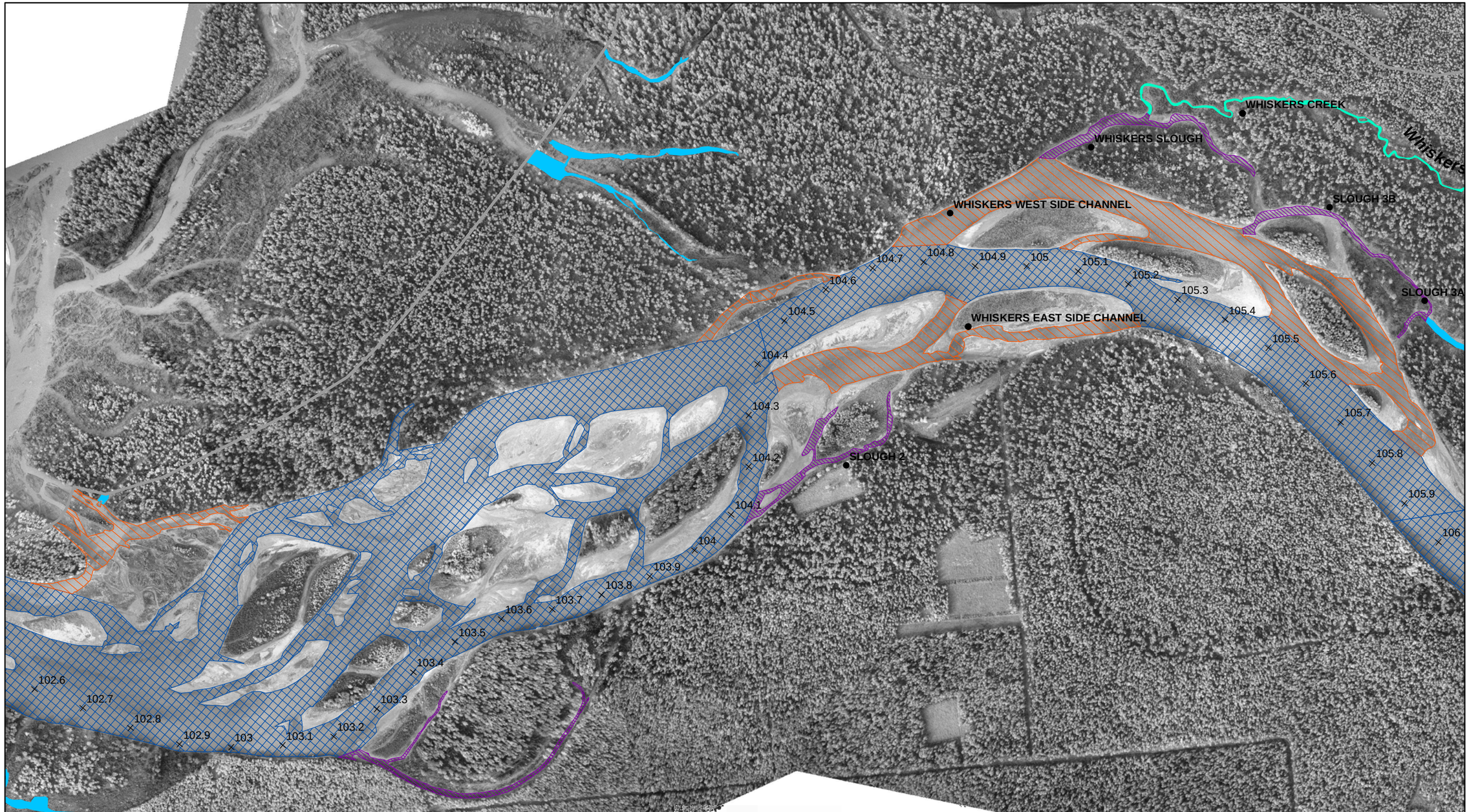
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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1 inch = 1,000 feet

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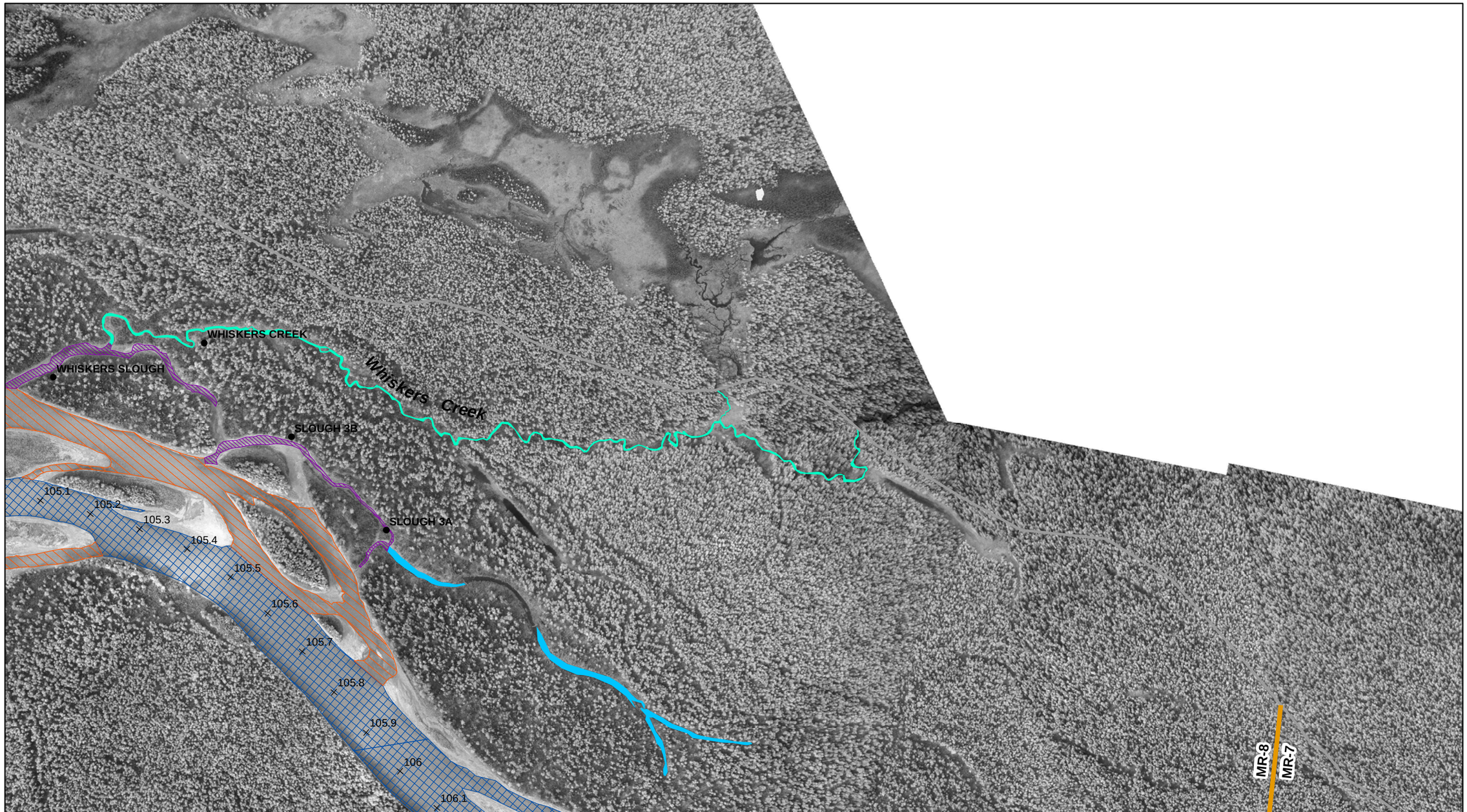
1983 AQUATIC MACROHABITAT

Location:	Imagery Date,	Discharge (Gold Creek)
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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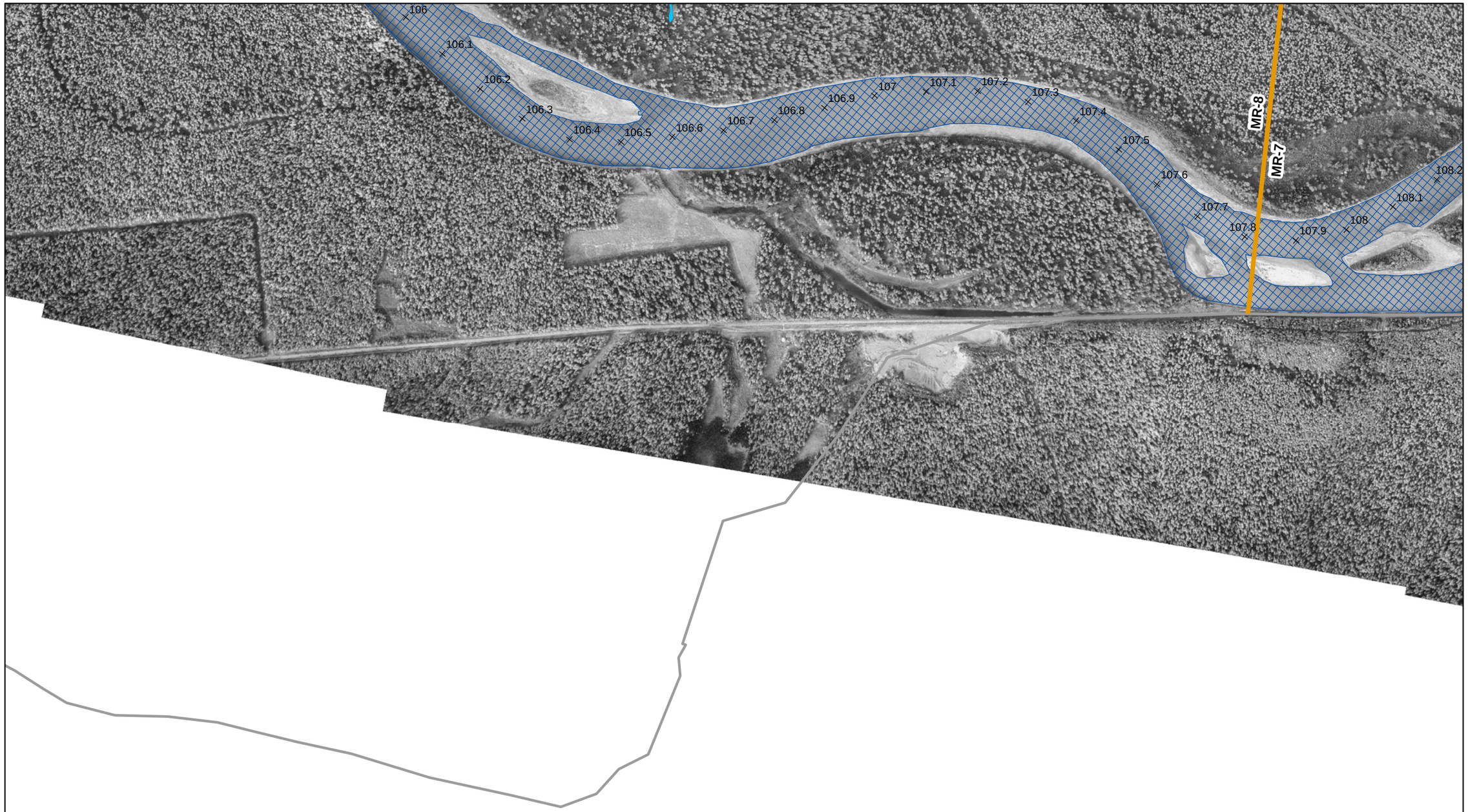
1983 AQUATIC MACROHABITAT

Location:	Imagery Date,	Discharge (Gold Creek)
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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1 inch = 1,000 feet

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1983 AQUATIC MACROHABITAT

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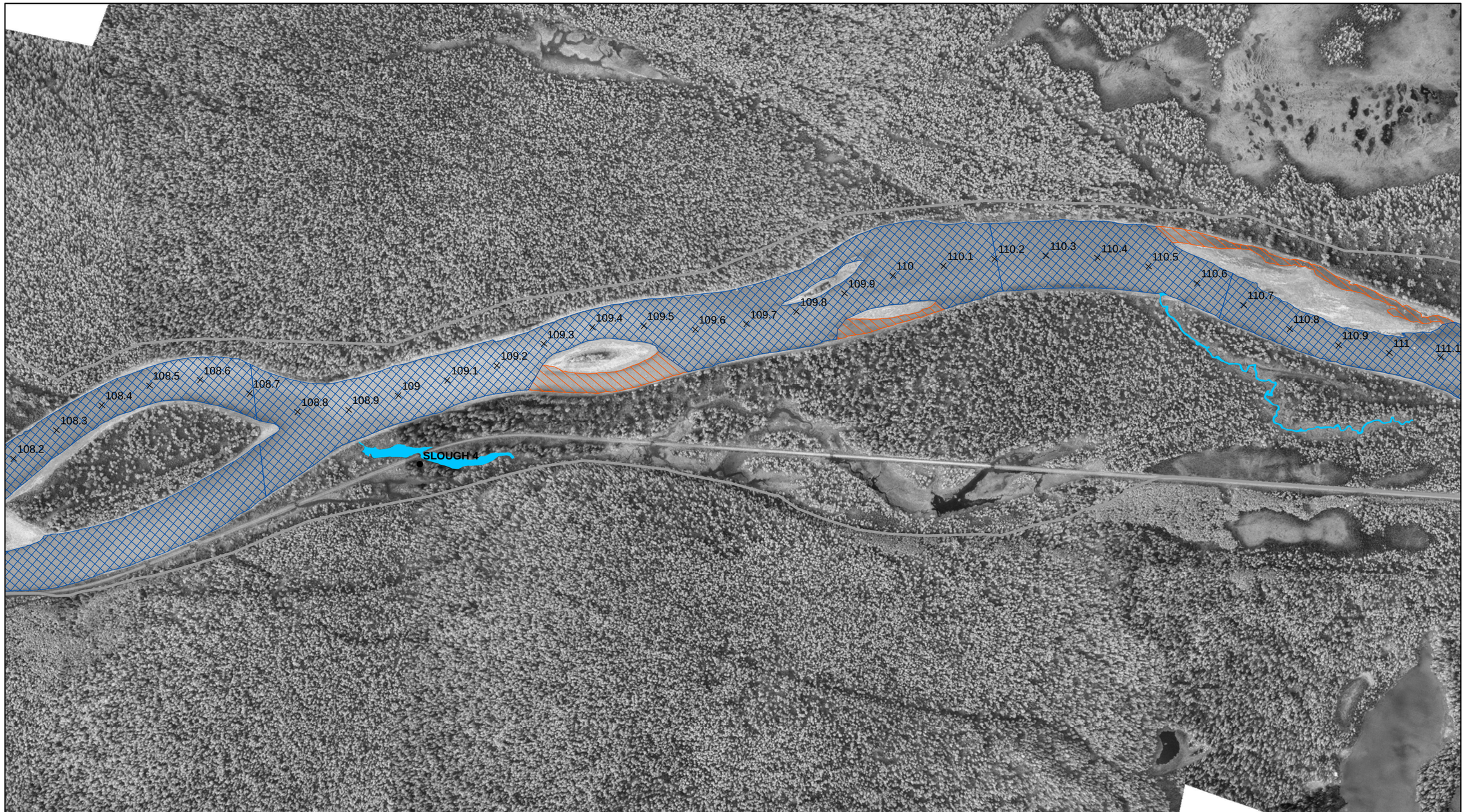
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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See index page for legend and additional data information.

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1983 AQUATIC MACROHABITAT

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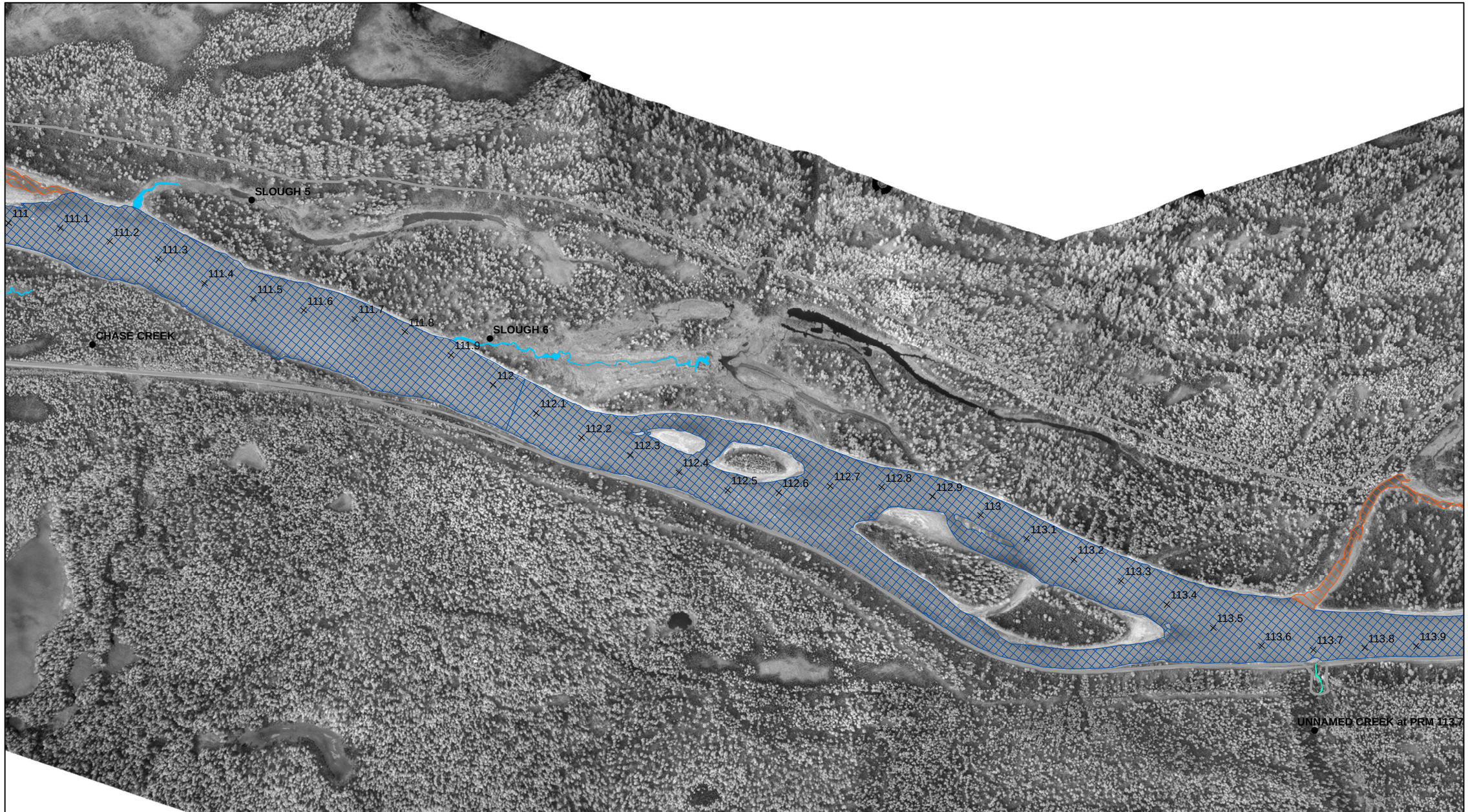
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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1 inch = 1,000 feet

See index page for legend and additional data information.

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1983 AQUATIC MACROHABITAT

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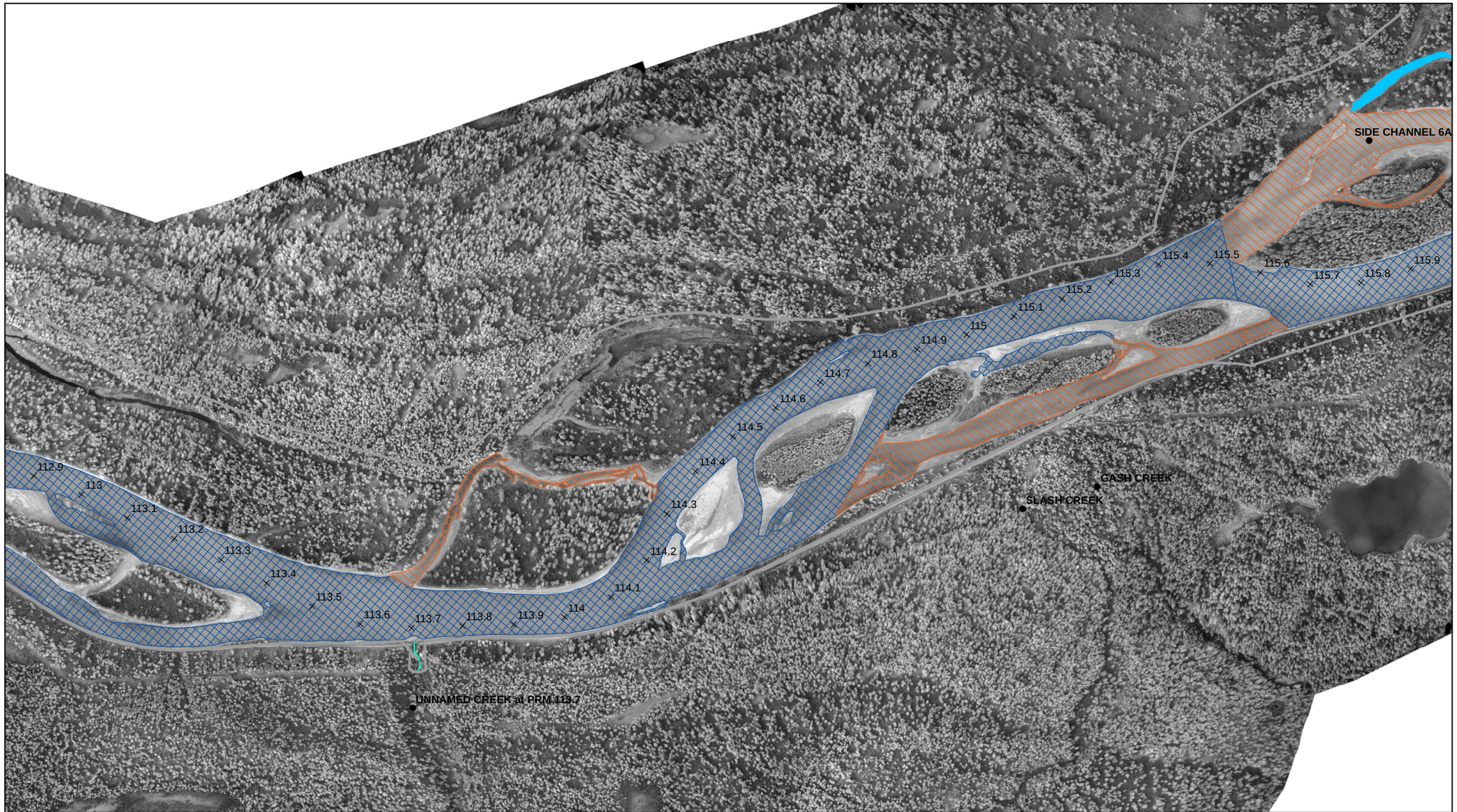
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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1983 AQUATIC MACROHABITAT

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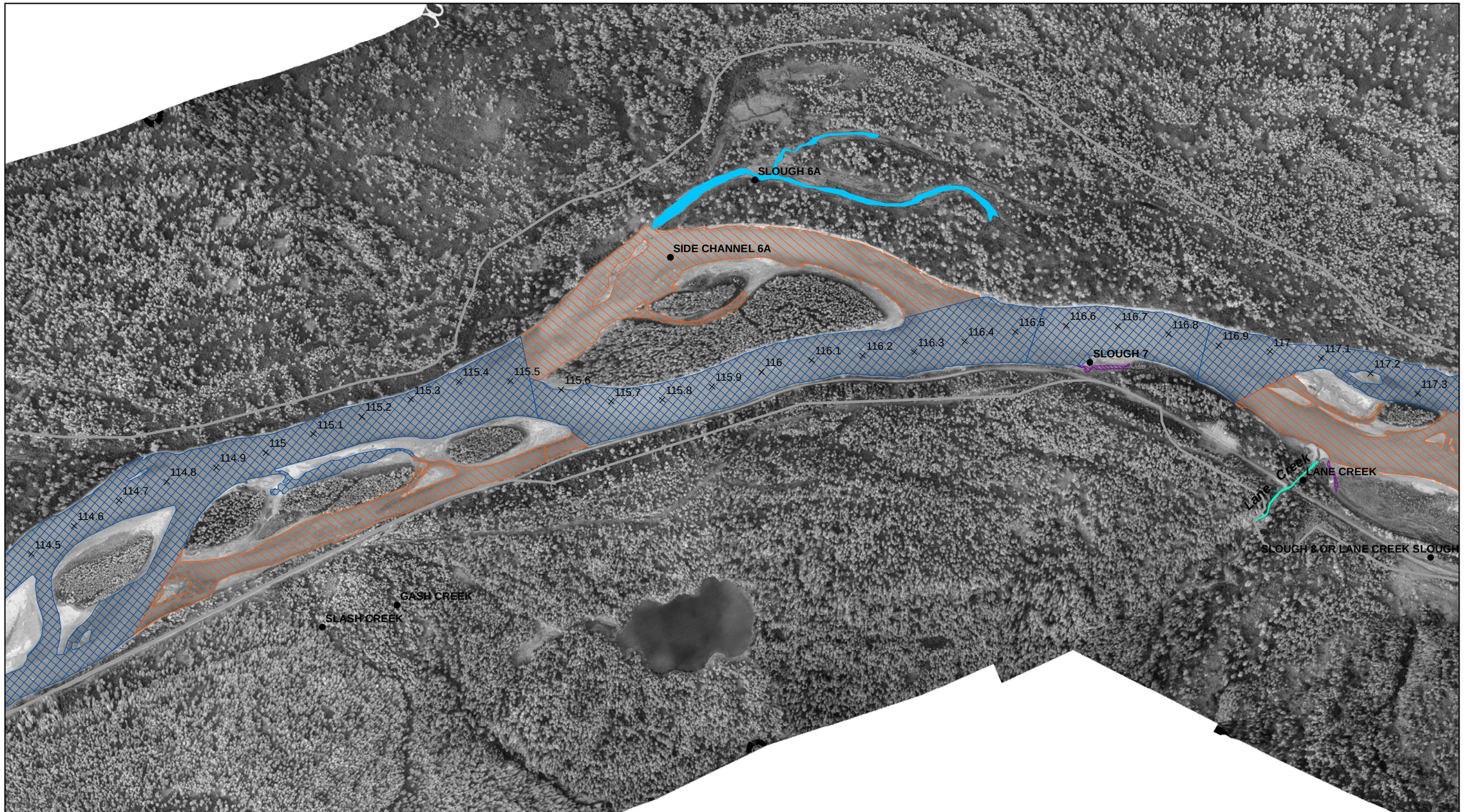
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY



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See index page for legend and additional data information.

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1983 AQUATIC MACROHABITAT

Location:	Imagery Date,	Discharge (Gold Creek)
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

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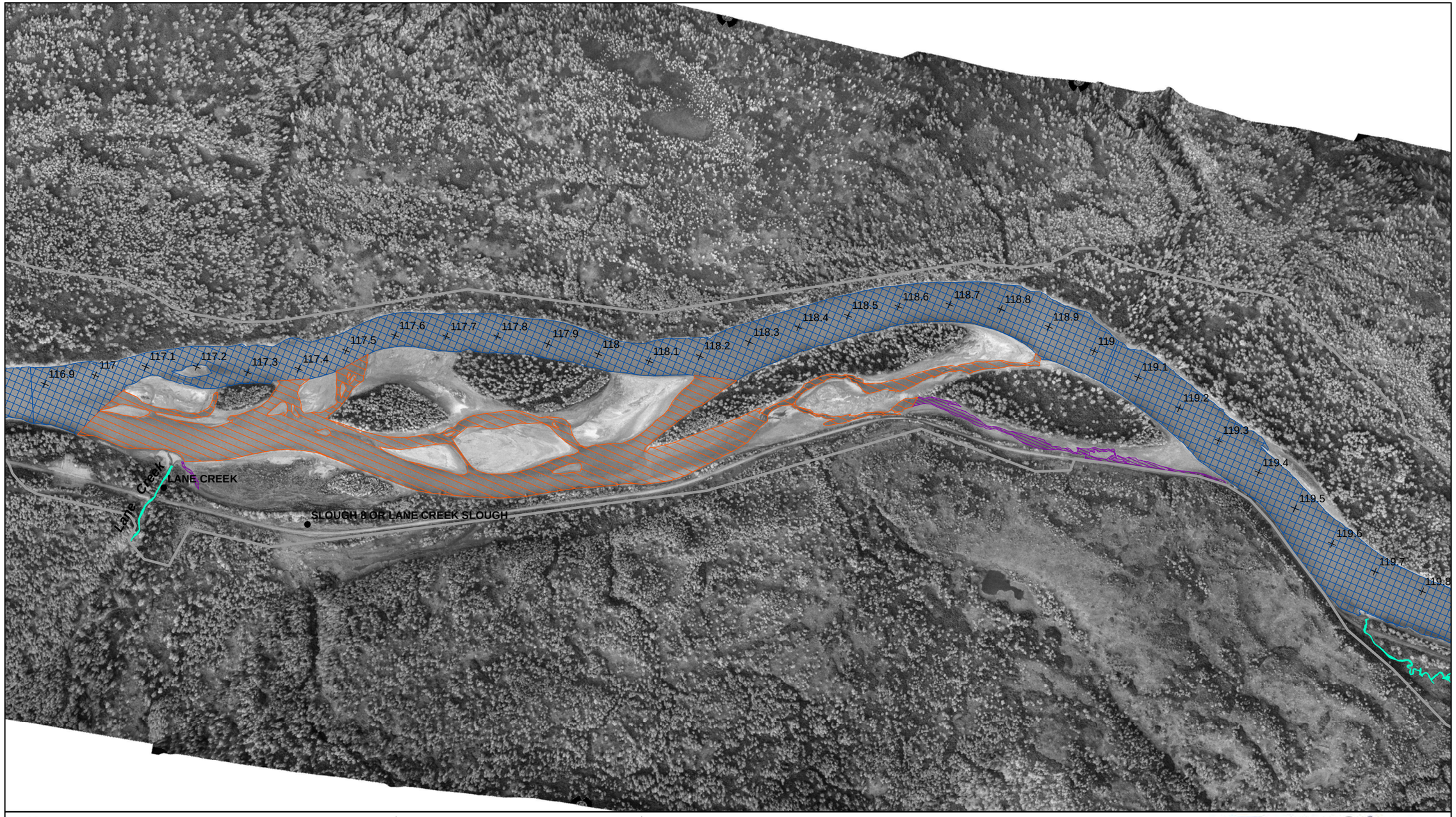

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See index page for legend and additional data information.

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MIDDLE SUSITNA RIVER SEGMENT
1983 AQUATIC MACROHABITAT

Location:	Imagery Date,	Discharge (Gold Creek)
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

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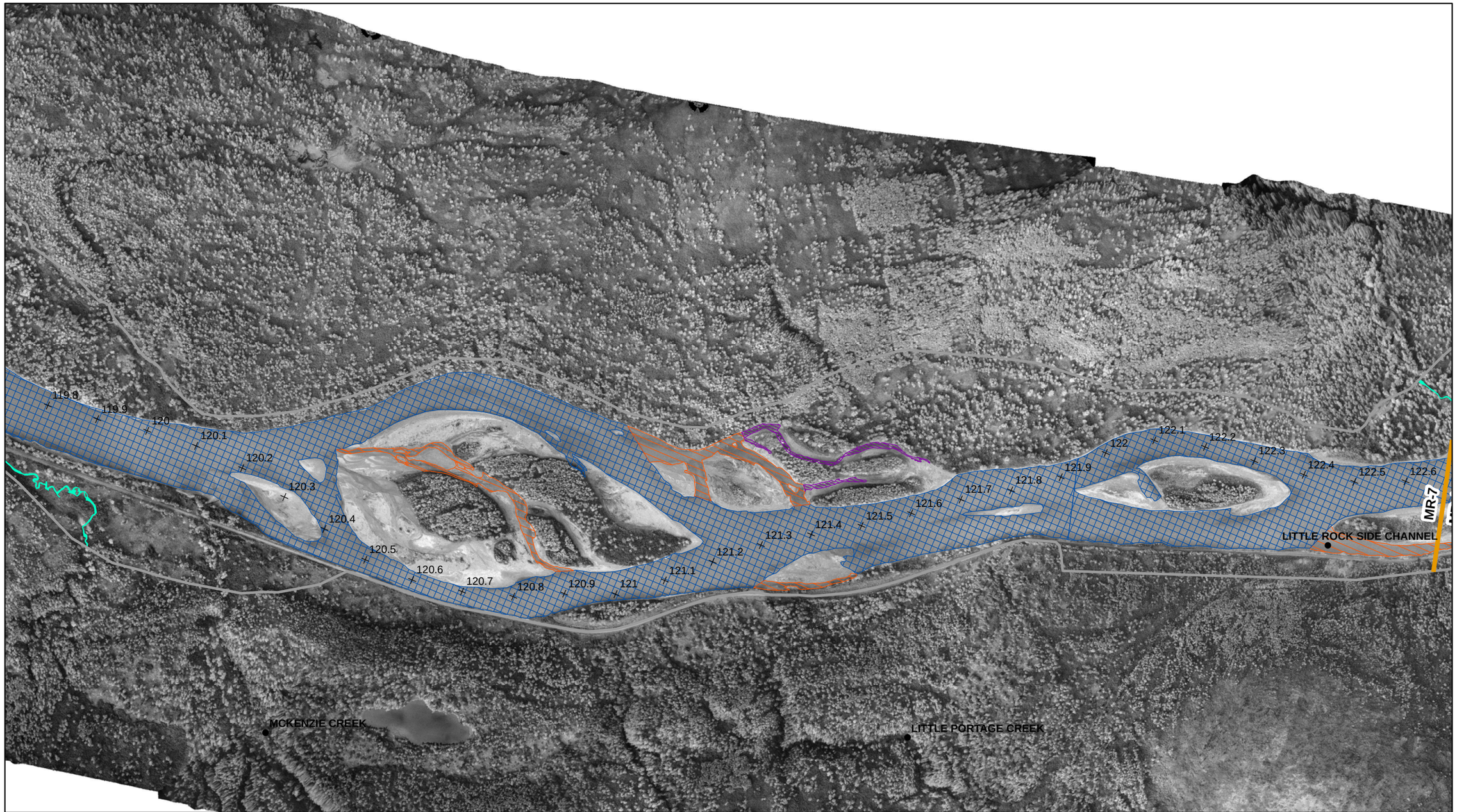

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See index page for legend and additional data information.

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1983 AQUATIC MACROHABITAT

Location:	Imagery Date,	Discharge (Gold Creek)
PRM 102.4 - 153.9:	09/11/1983	12,500cfs

ALASKA ENERGY AUTHORITY