

Susitna-Watana Hydroelectric Project Document

ARLIS Uniform Cover Page

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APPENDIX 1. 1983 MIDDLE RIVER SEGMENT HABITAT SITES

**Susitna-Watana Hydroelectric Project
(FERC No. 14241)**

**Mapping of Aquatic Macrohabitat Types at Selected Sites in the
Middle and Lower Susitna River Segments from 1980s and 2012 Aerials**

**2012 Study Technical Memorandum
DRAFT**

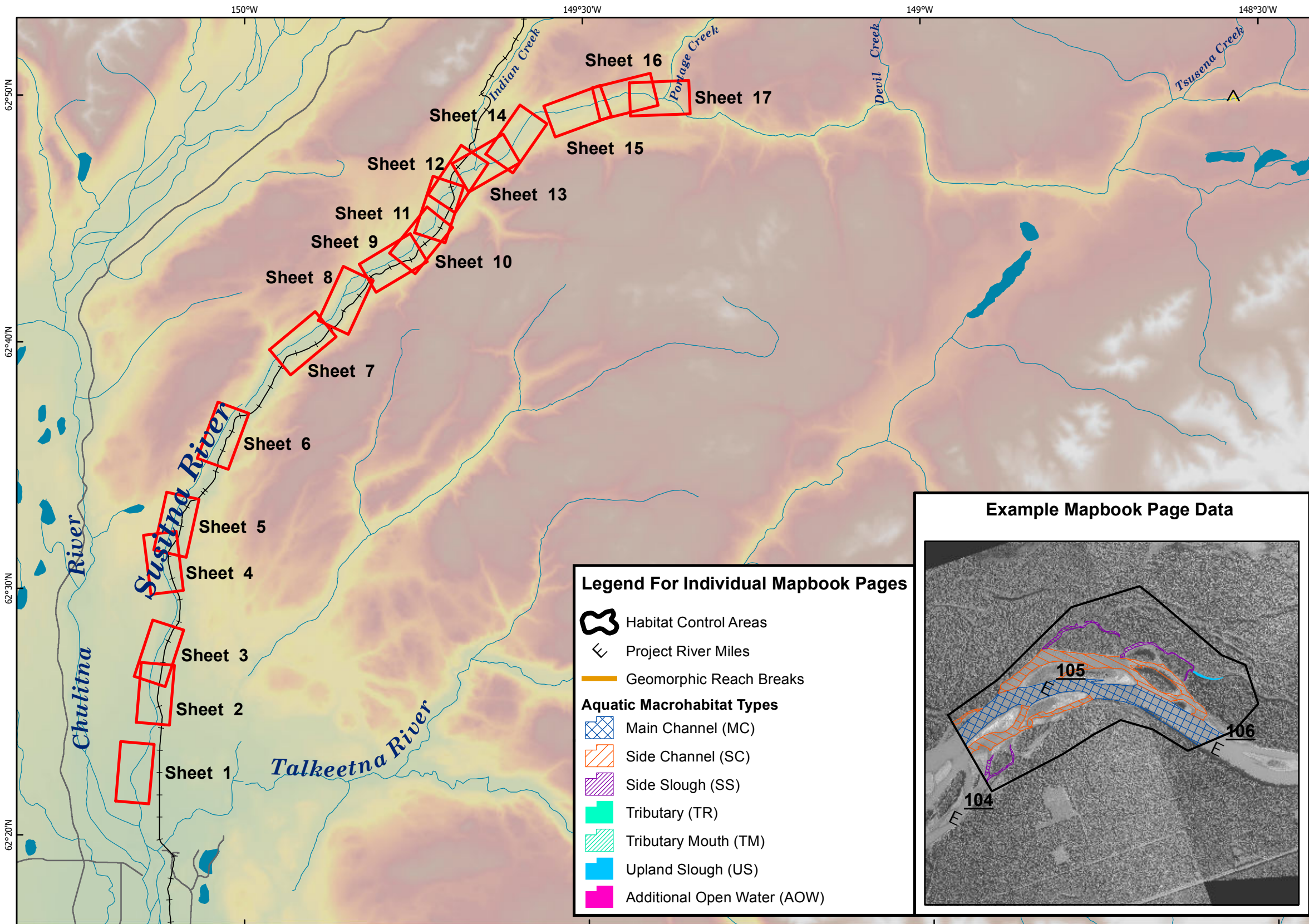
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SUSITNA-WATANA HYDRO

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February 2013



MIDDLE SUSITNA RIVER SEGMENT HABITAT SITES 1983

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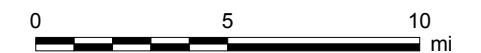
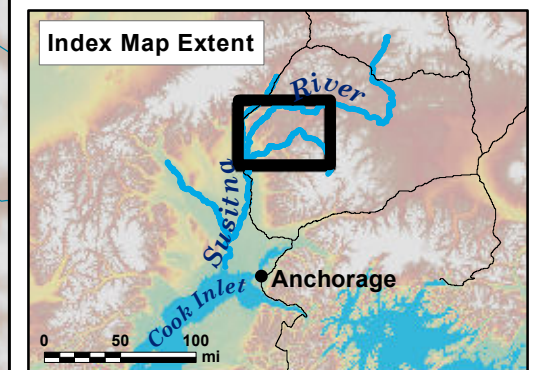
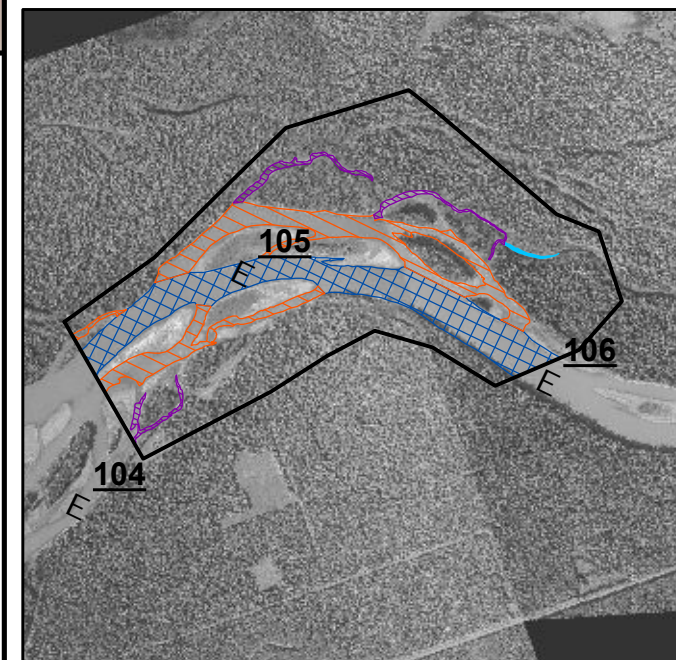
- Sheet Extents
- Proposed Watana Dam Site
- Roads
- Railroads
- Rivers and Streams
- Waterbodies

Data Sources: See Map References

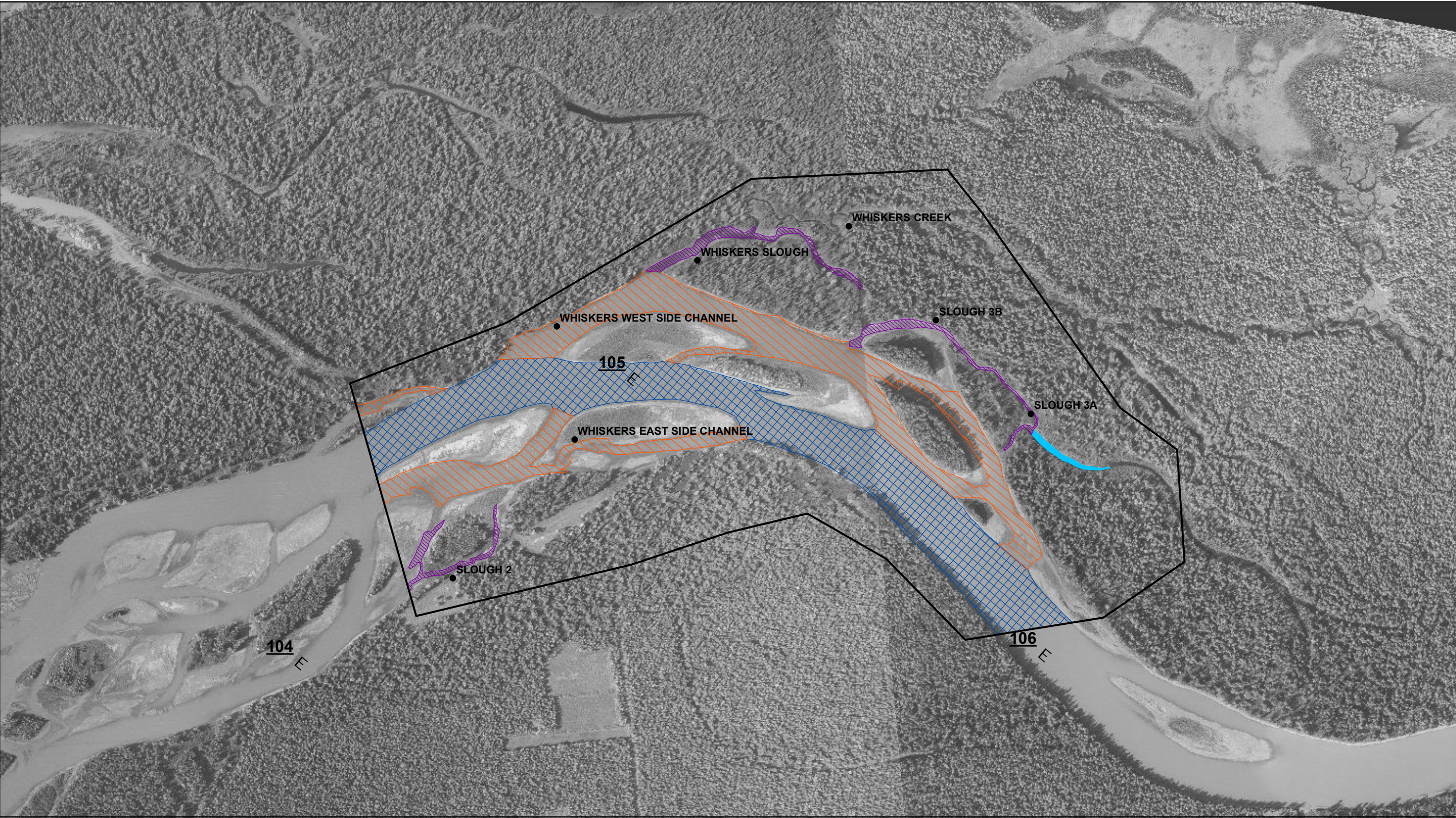
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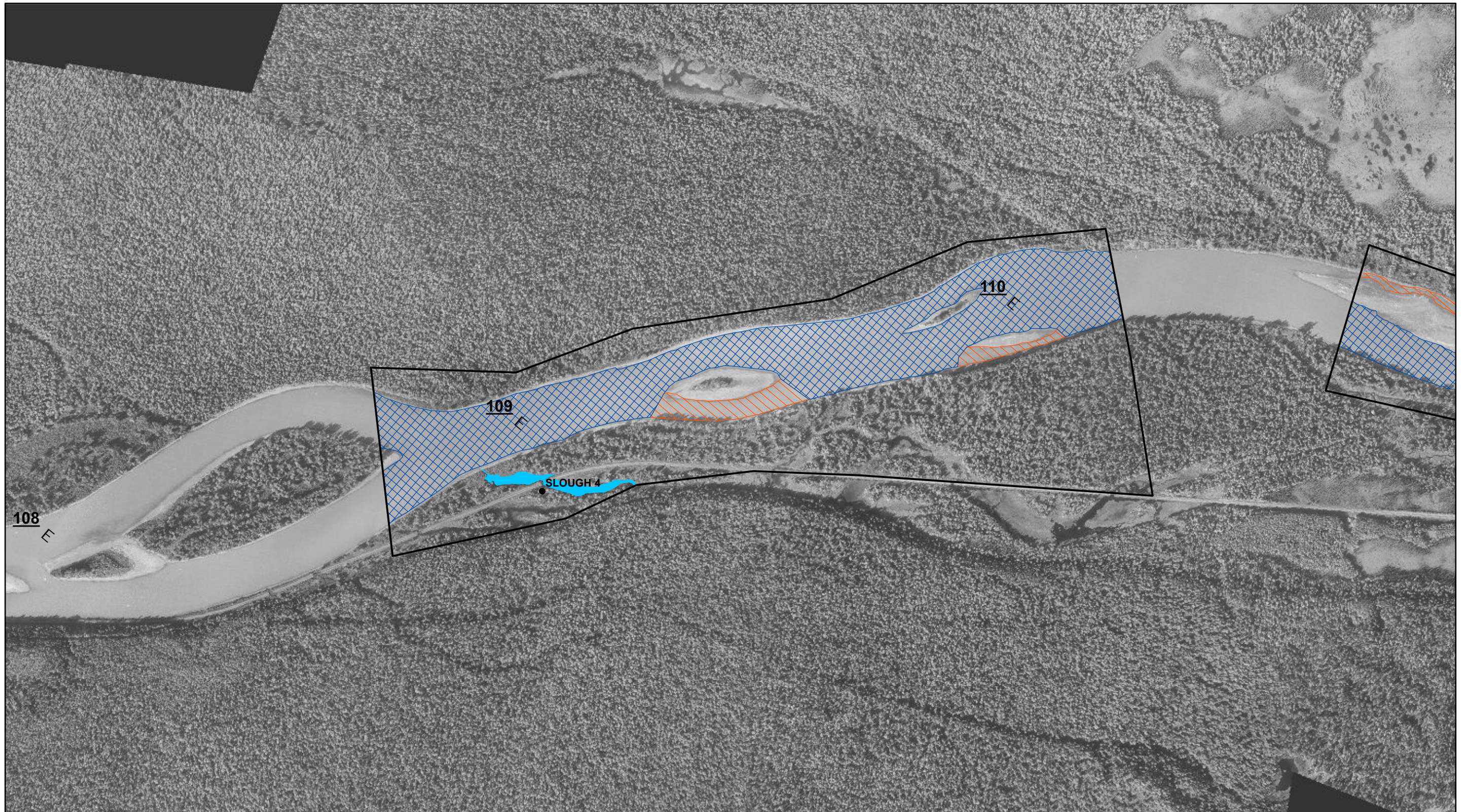
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- Project River Miles
- Geomorphic Reach Breaks
- Aquatic Macrohabitat Types**
 - Main Channel (MC)
 - Side Channel (SC)
 - Side Slough (SS)
 - Tributary (TR)
 - Tributary Mouth (TM)
 - Upland Slough (US)
 - Additional Open Water (AOW)

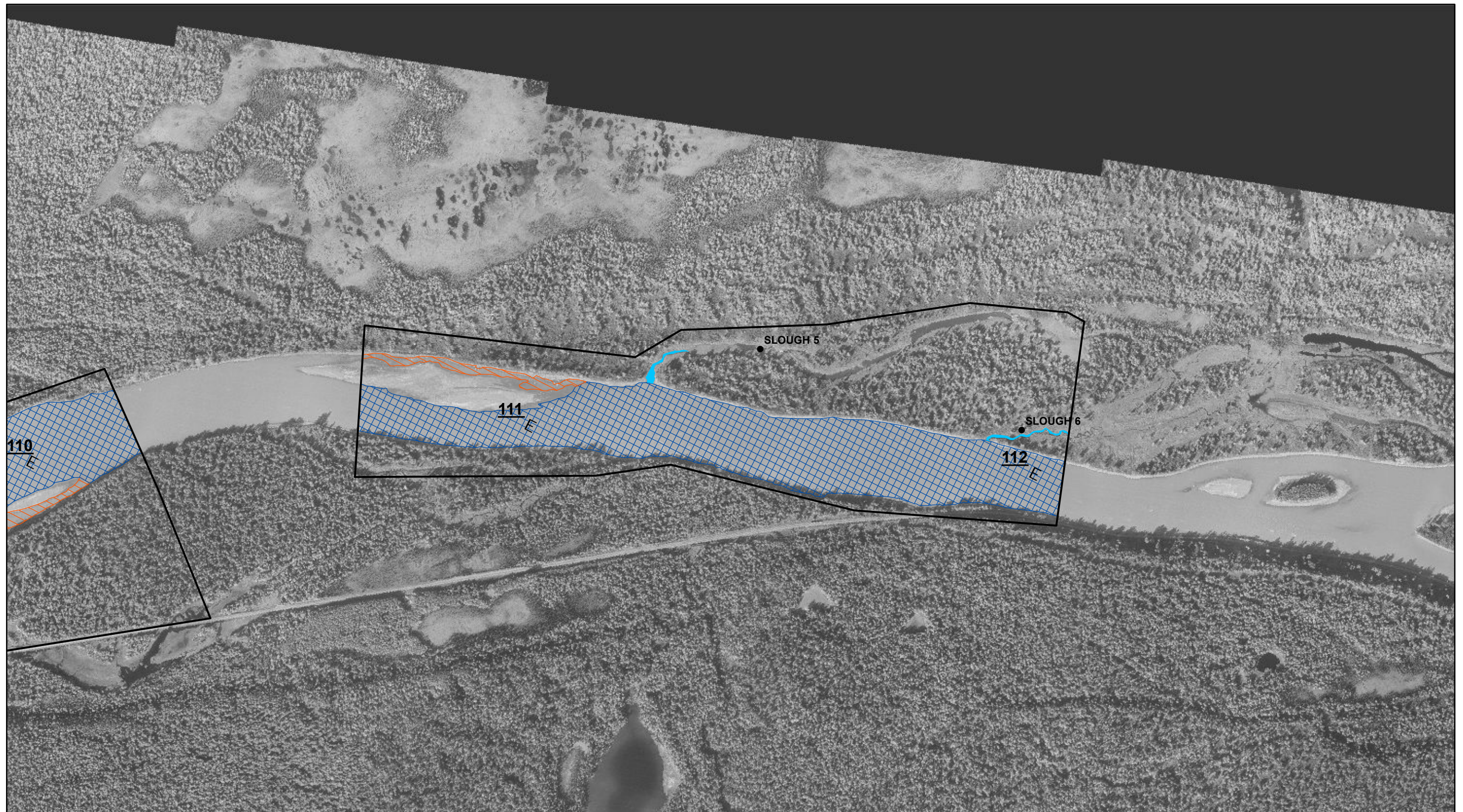
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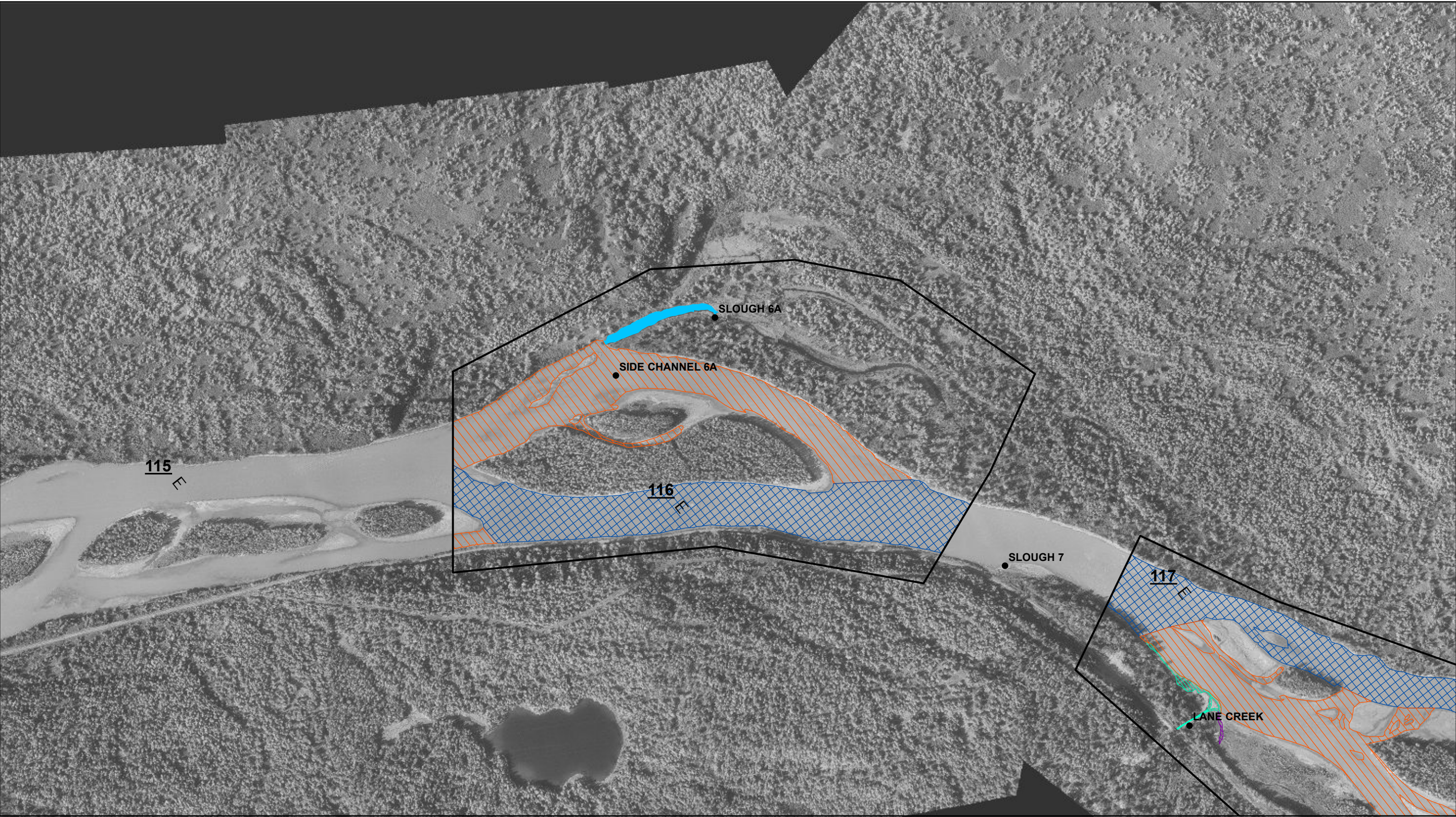


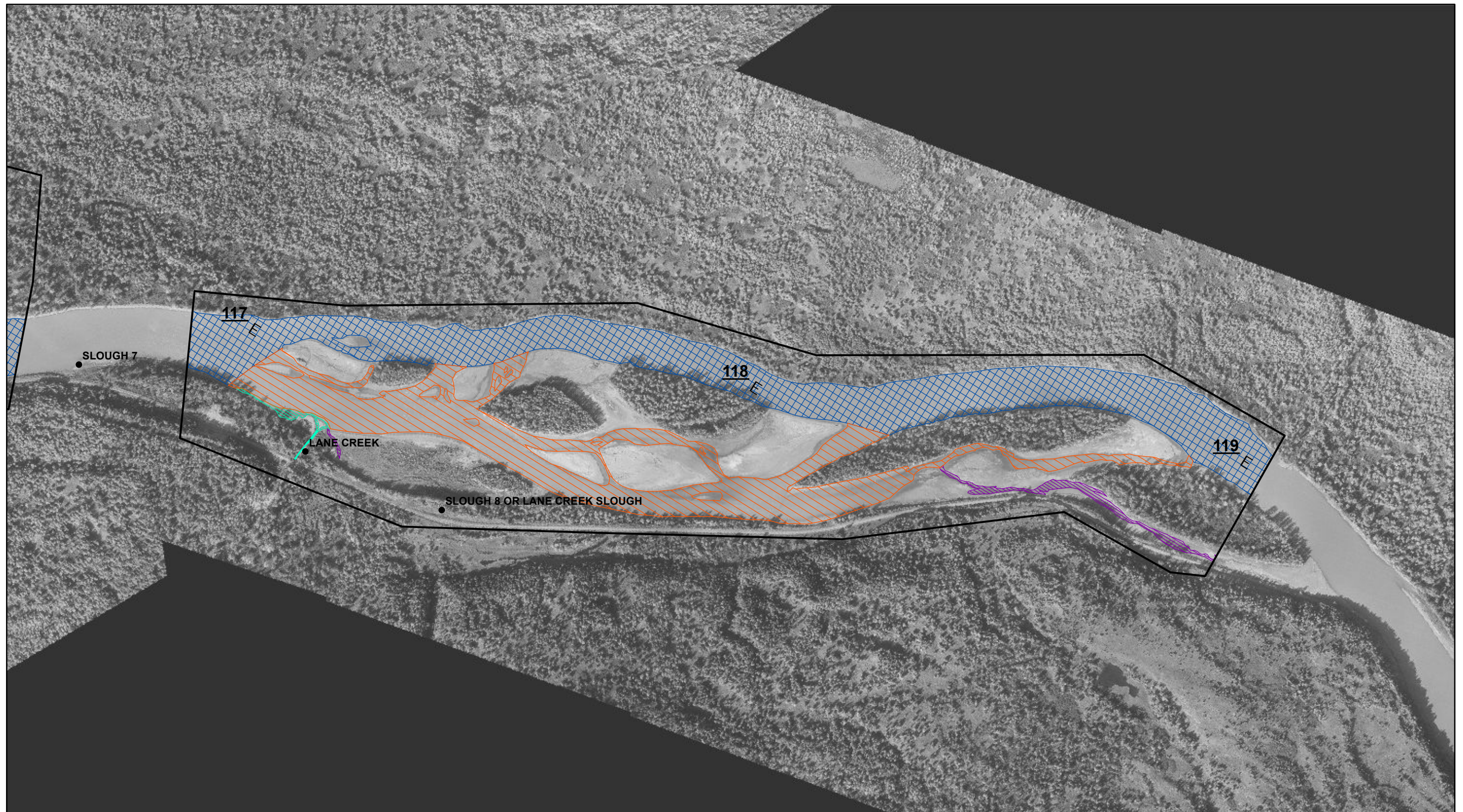
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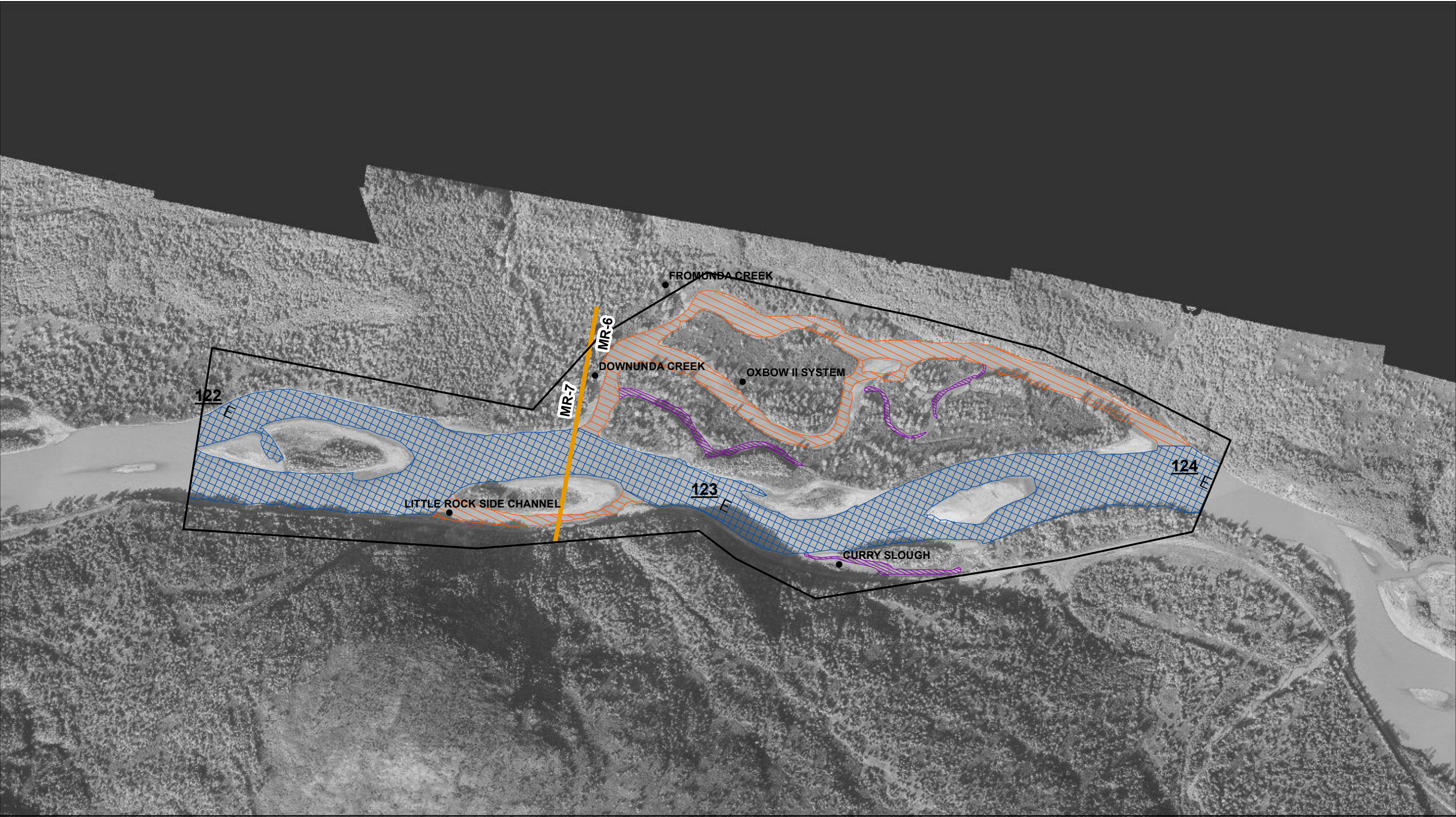


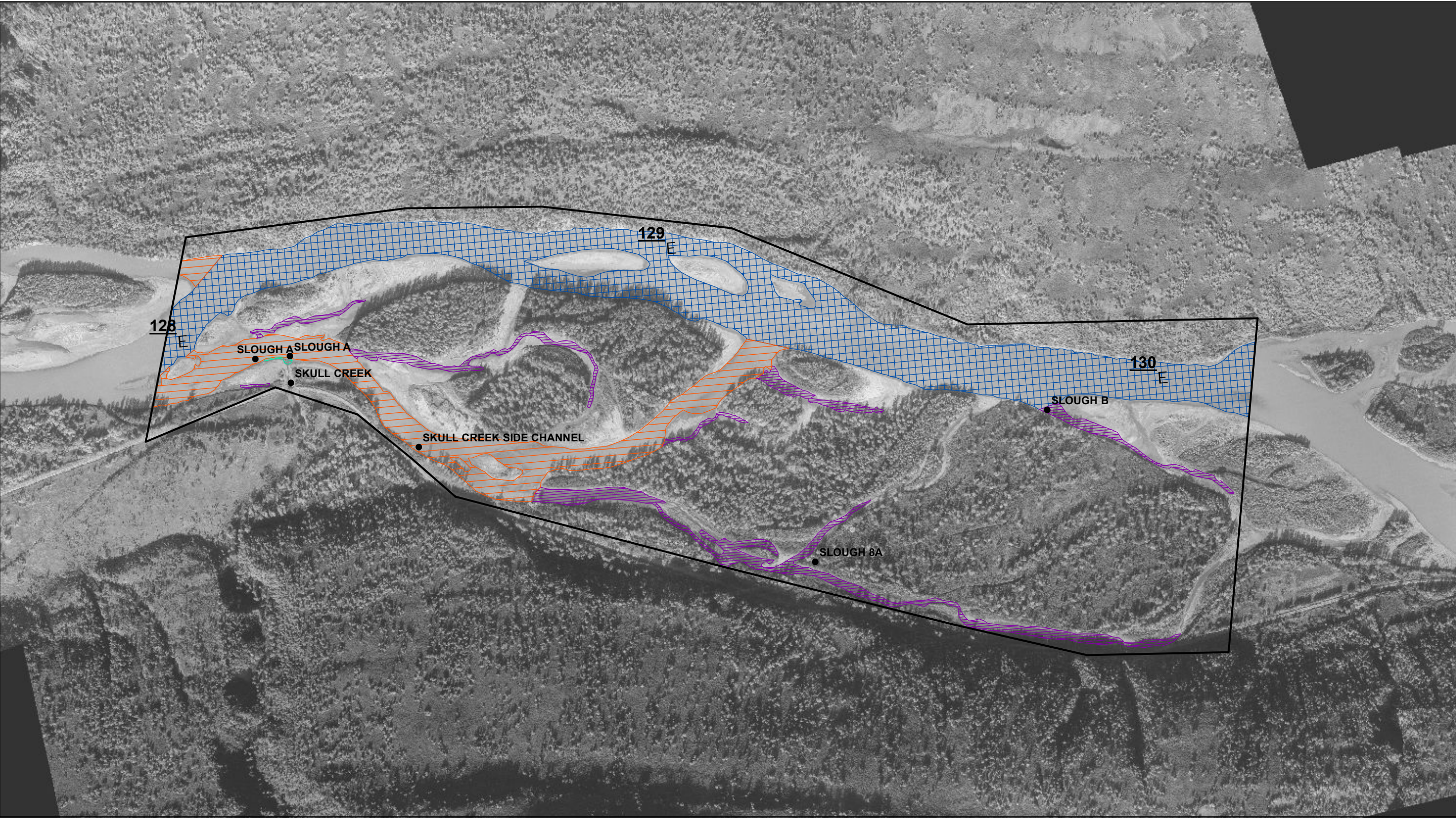


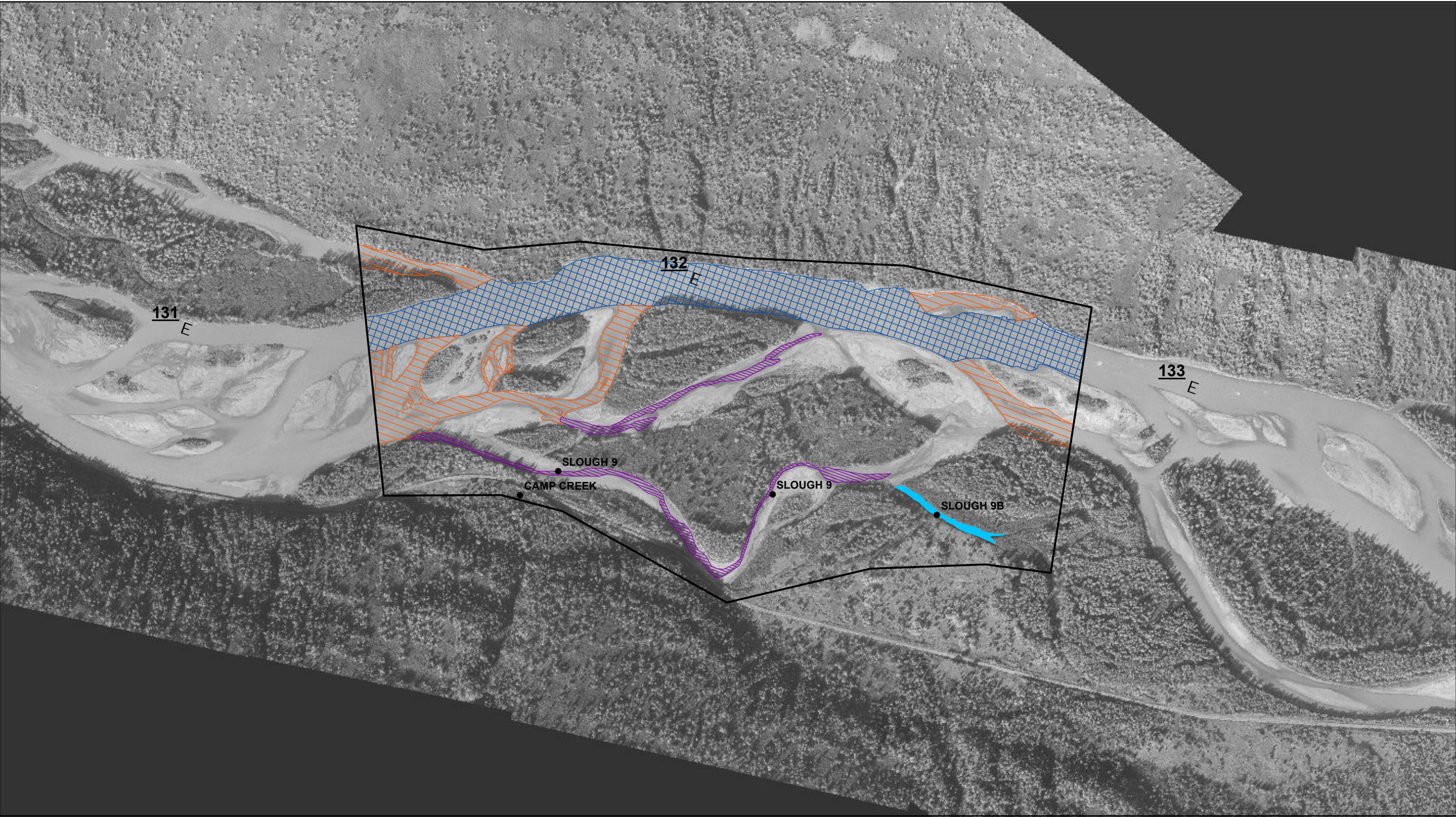


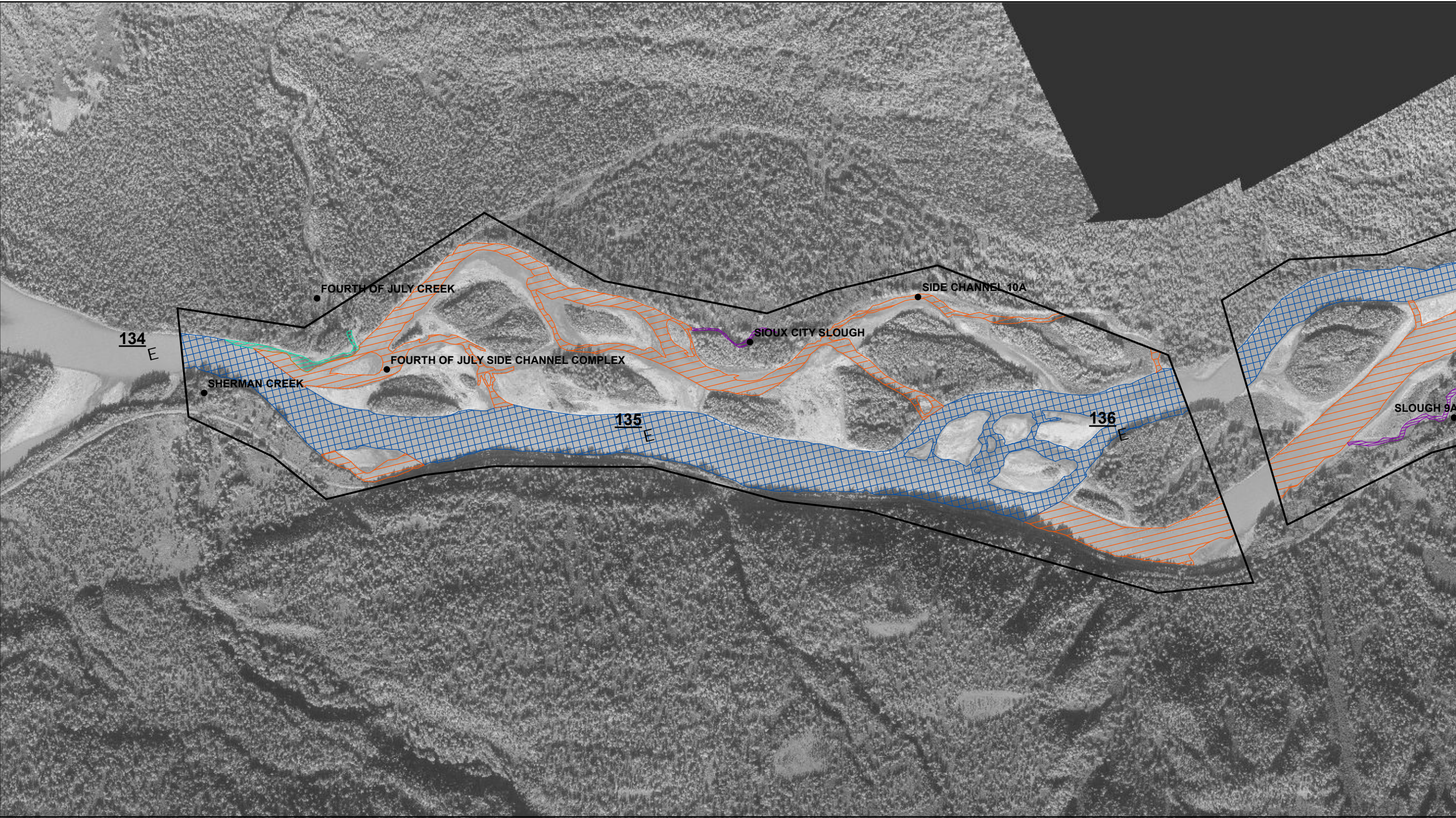


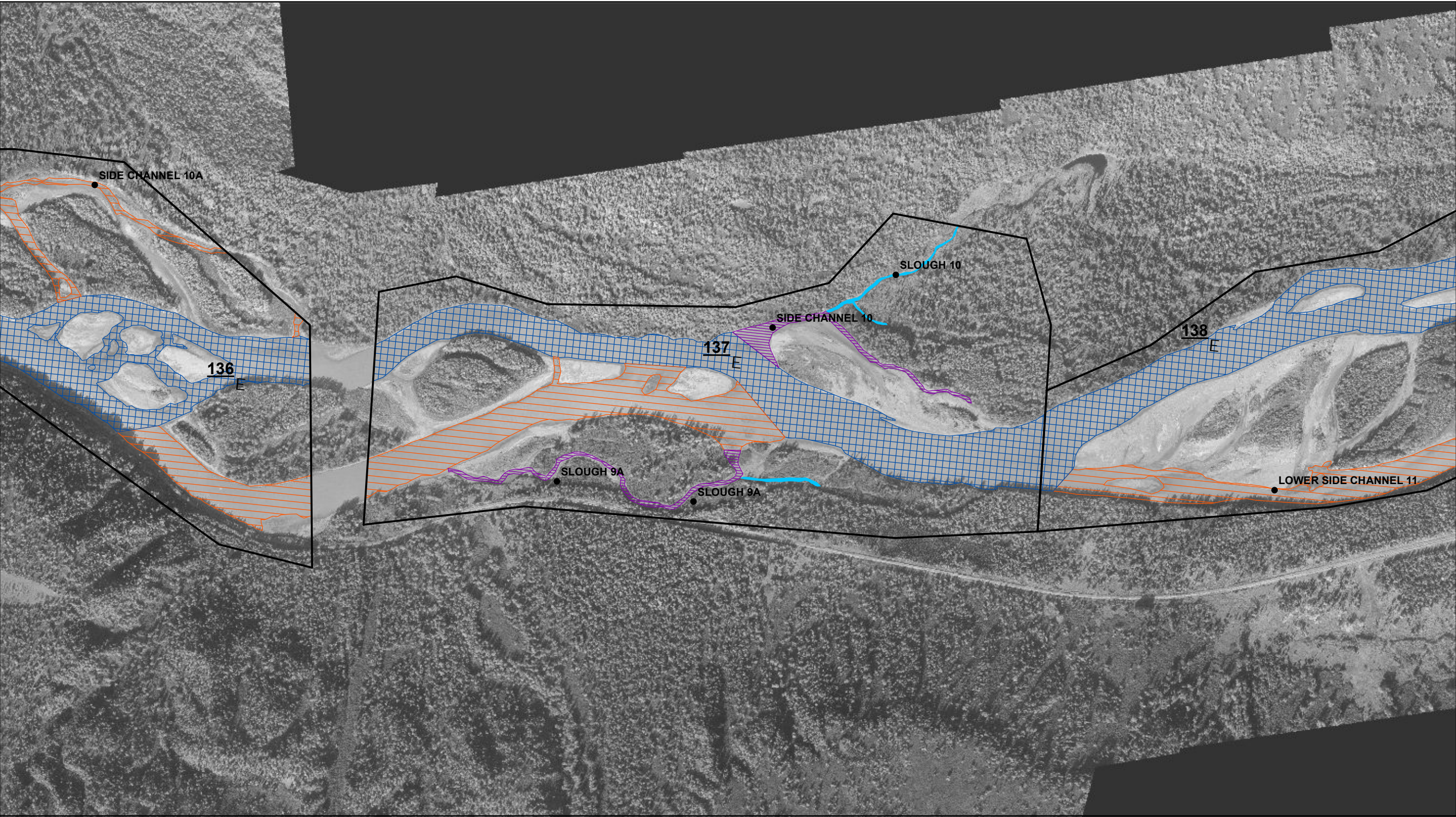


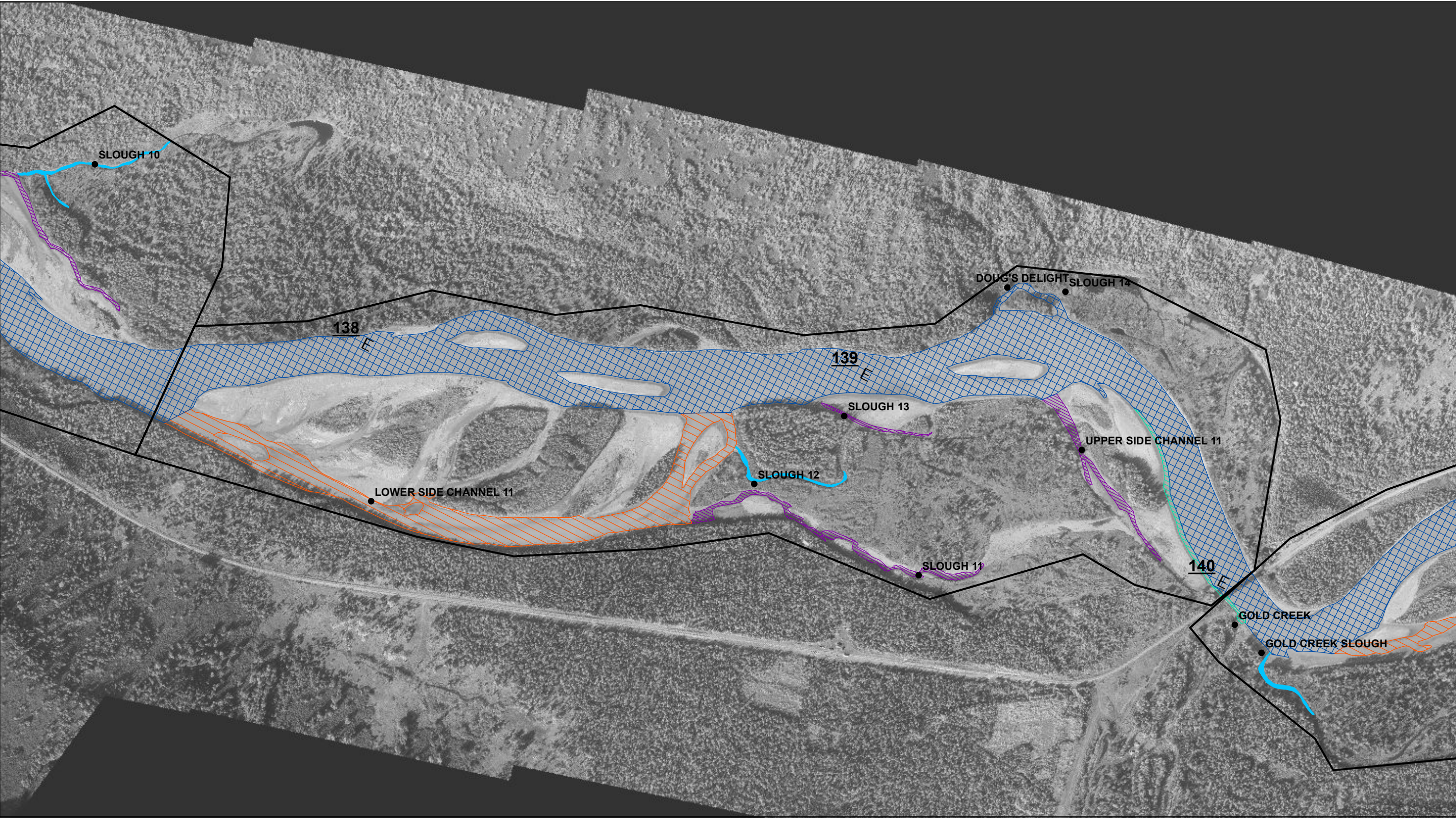


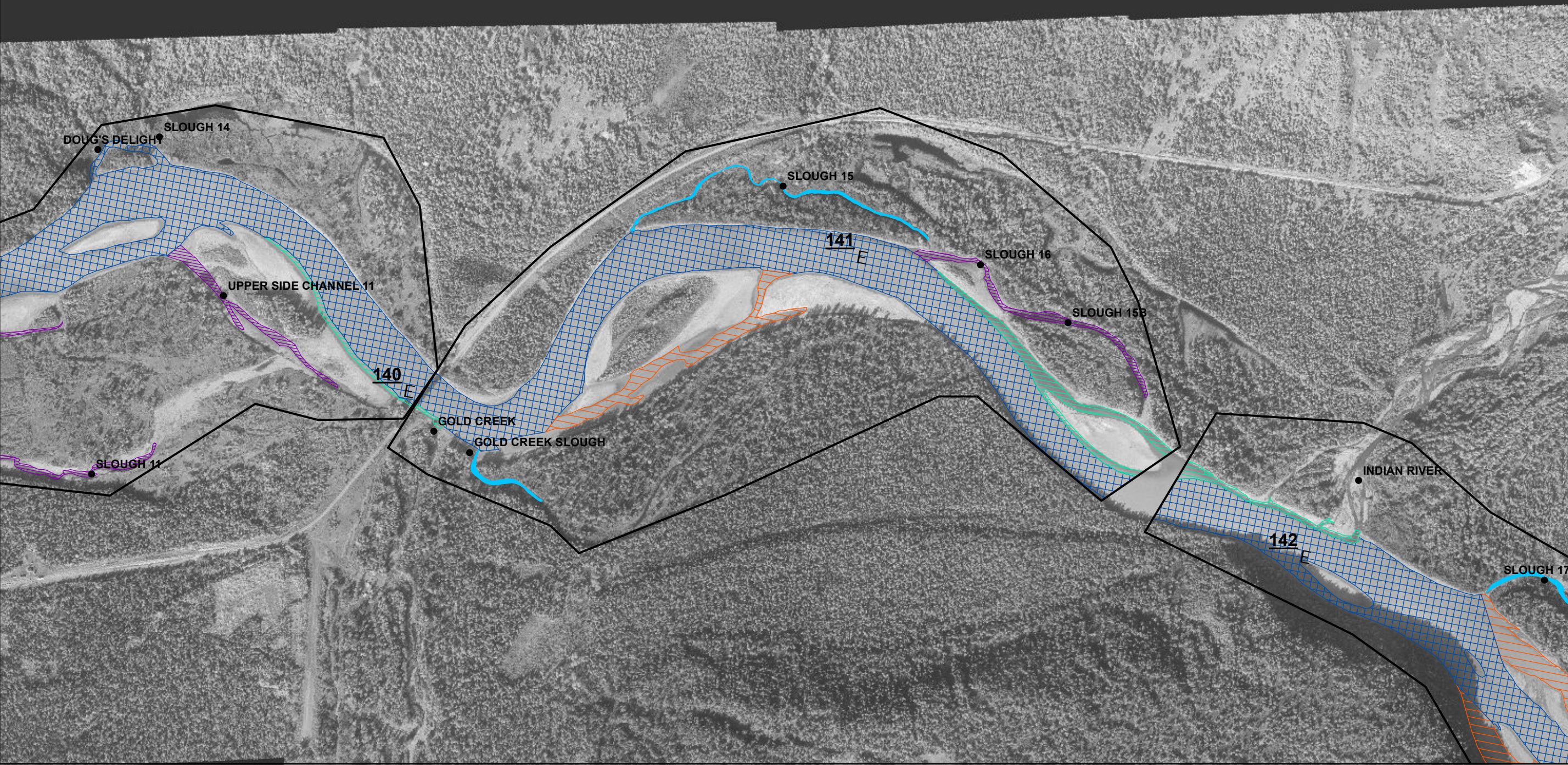


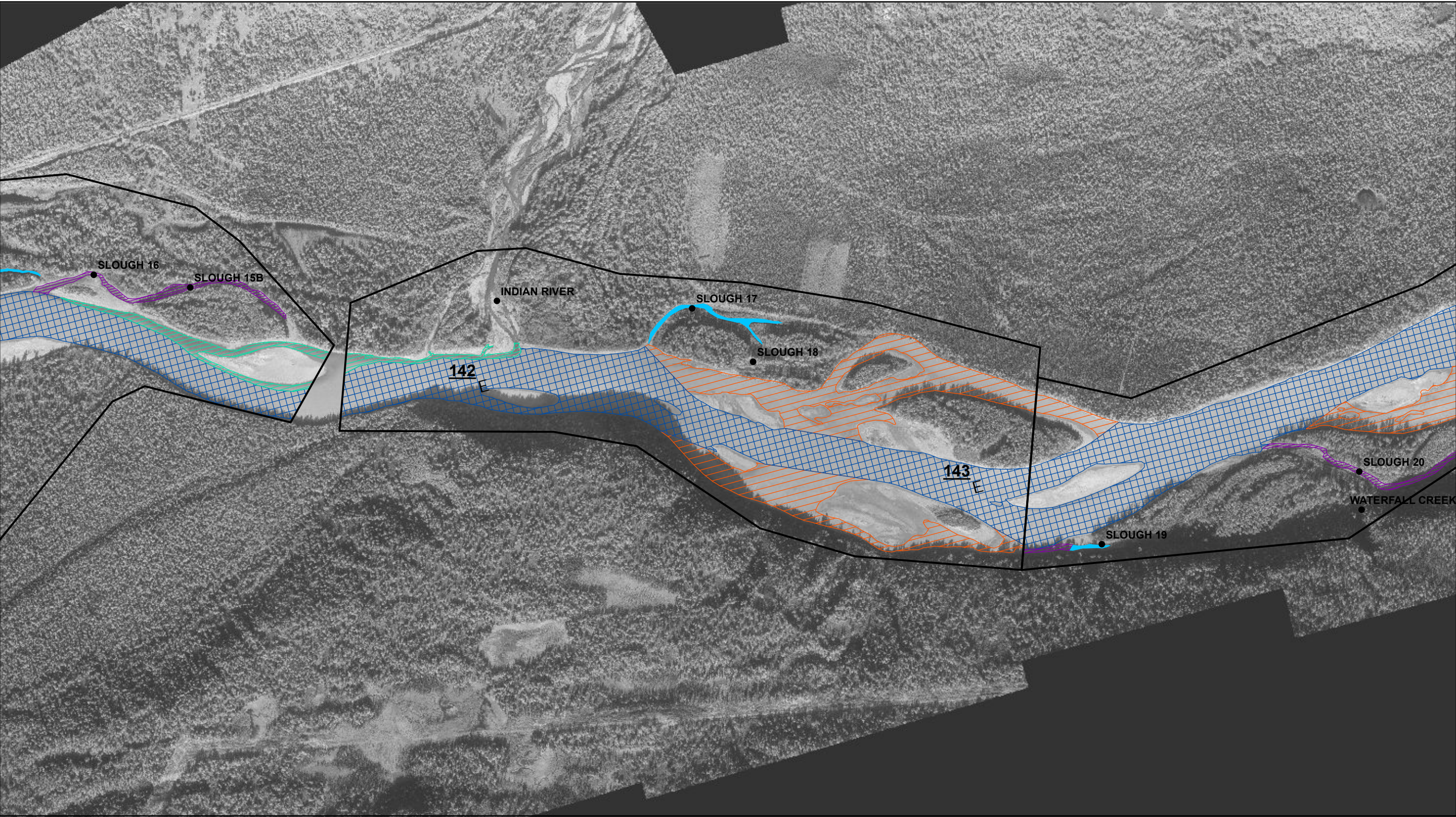


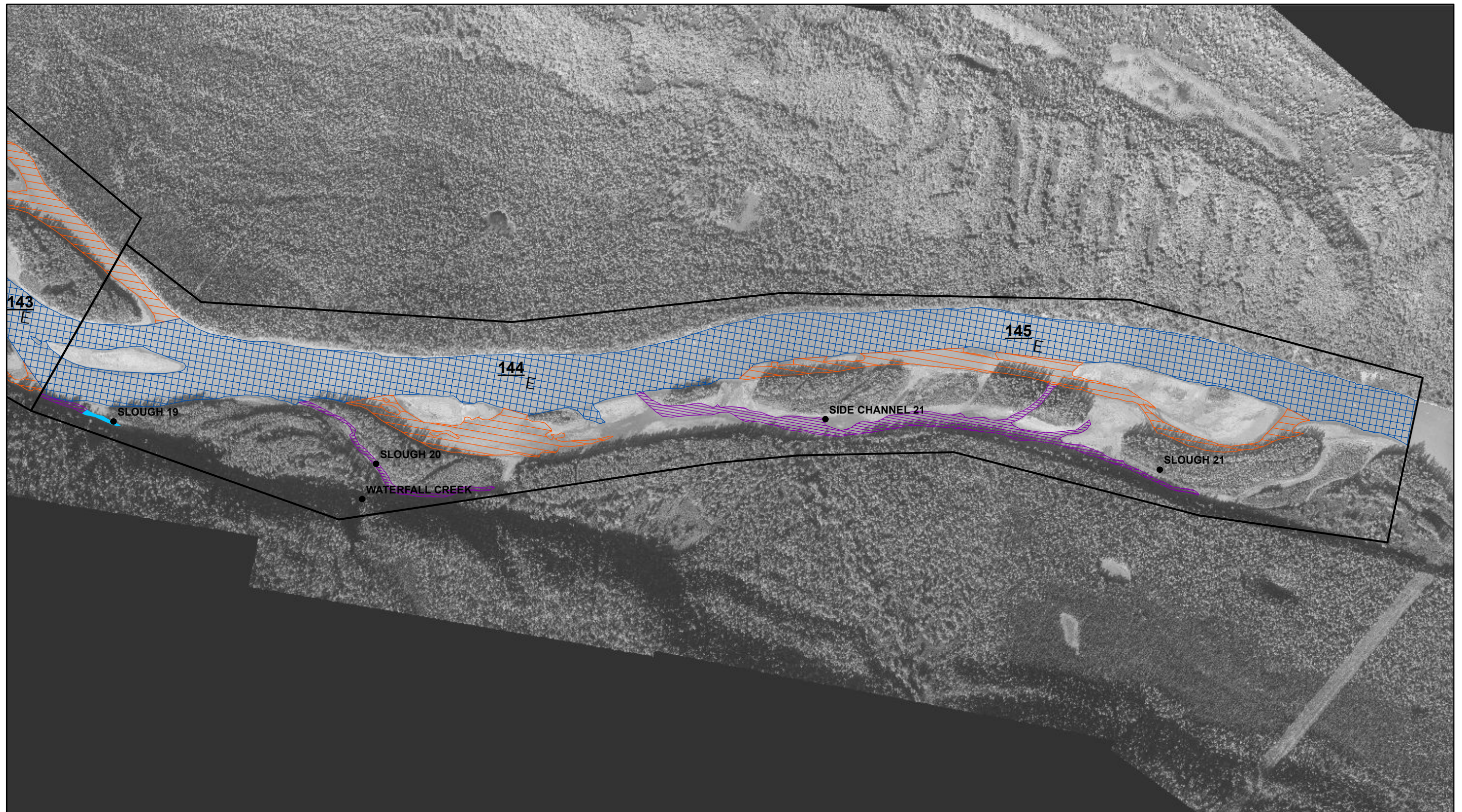


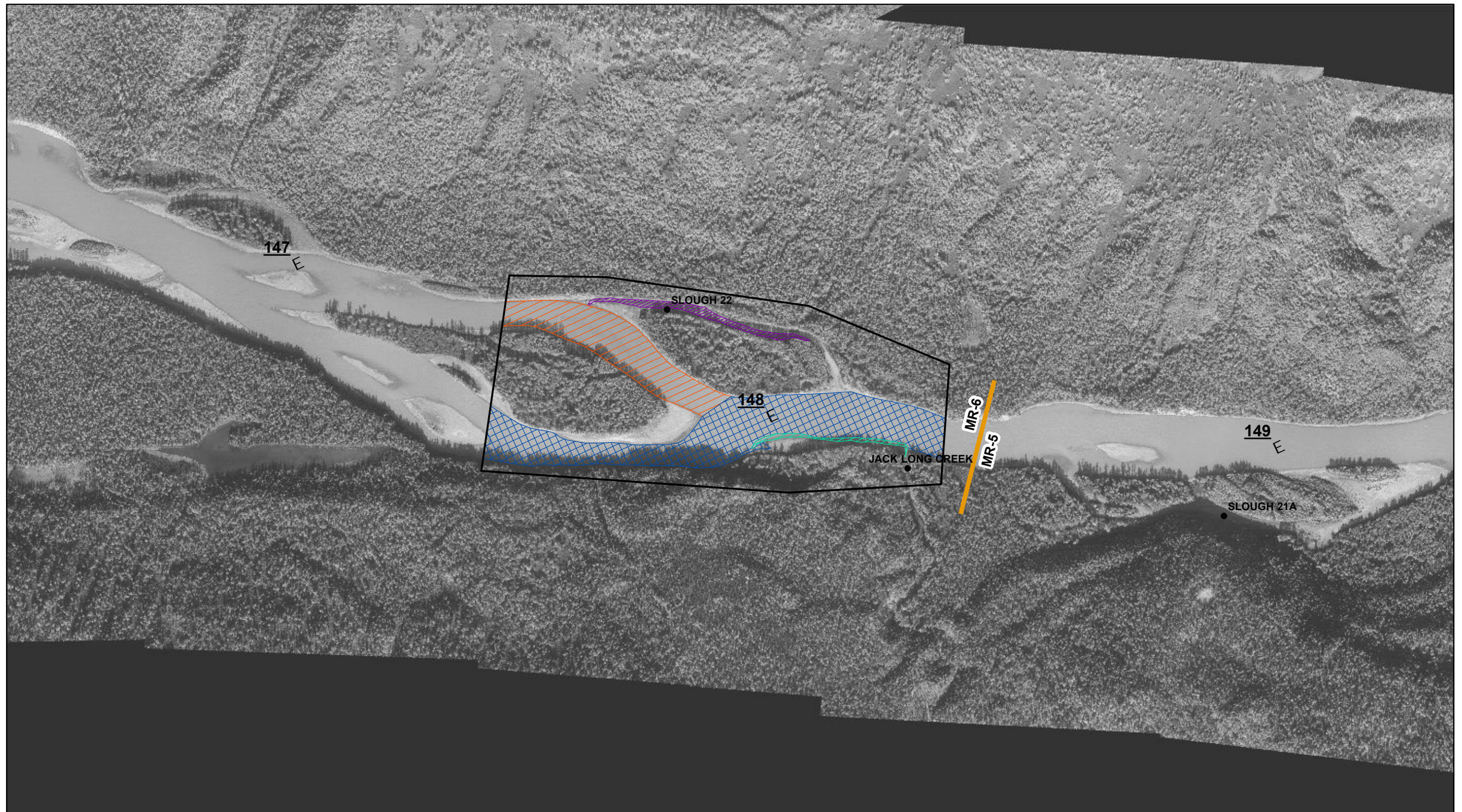


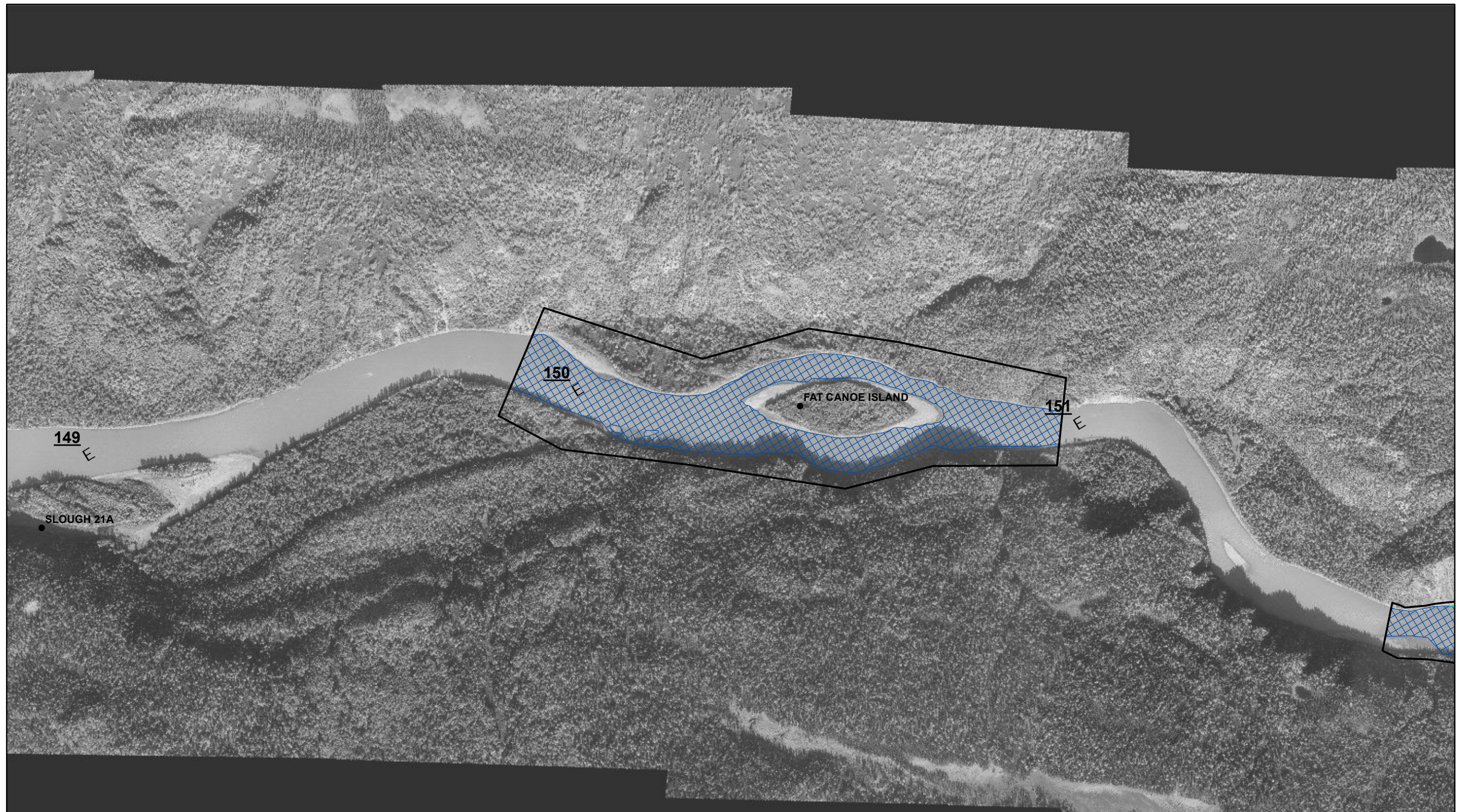














APPENDIX 2. 2012 MIDDLE RIVER SEGMENT HABITAT SITES

**Susitna-Watana Hydroelectric Project
(FERC No. 14241)**

**Mapping of Aquatic Macrohabitat Types at Selected Sites in the
Middle and Lower Susitna River Segments from 1980s and 2012 Aerials**

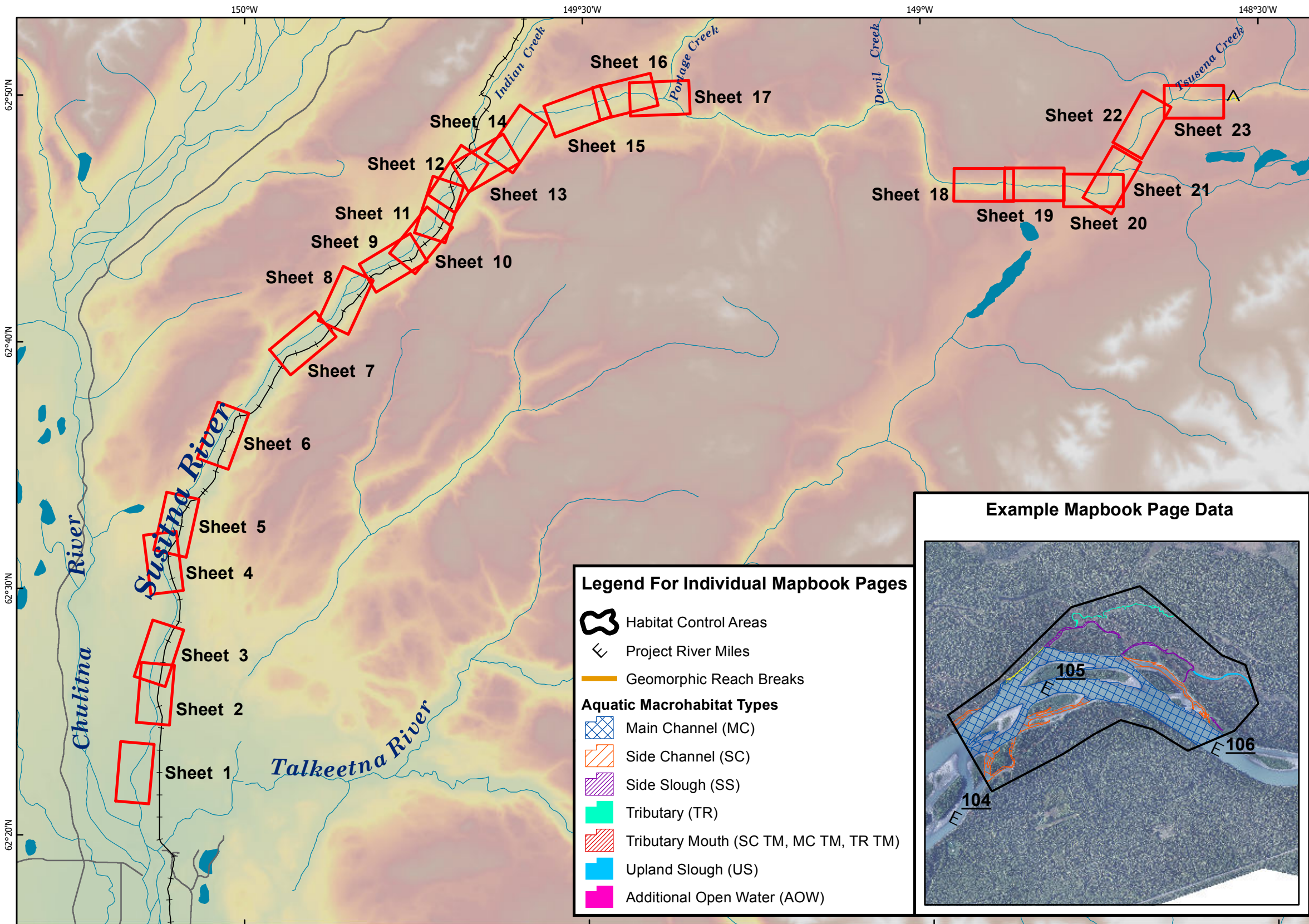
**2012 Study Technical Memorandum
DRAFT**

Prepared for
Alaska Energy Authority



Prepared by
Tetra Tech Inc.

February 2013



MIDDLE SUSITNA RIVER SEGMENT HABITAT SITES 2012

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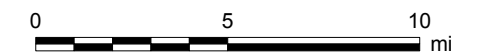
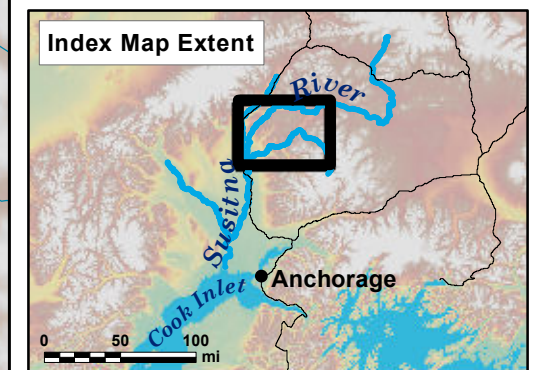
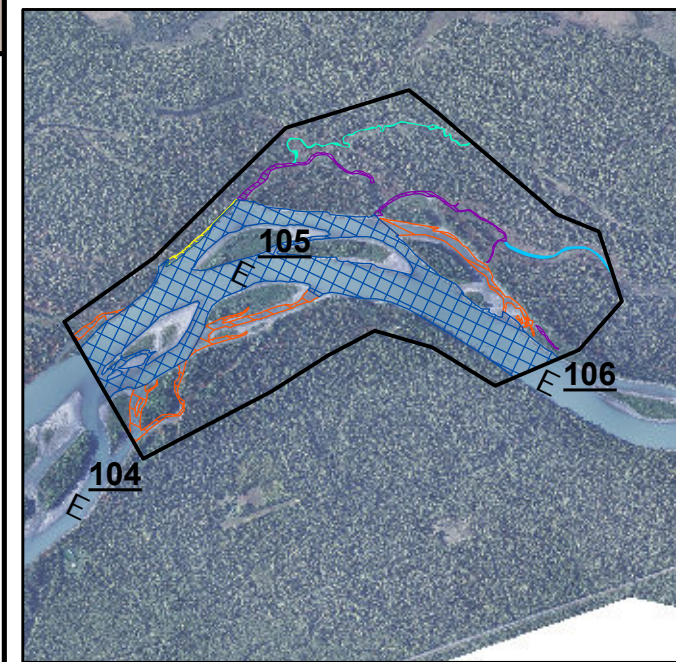
- Sheet Extents
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- Waterbodies

Data Sources: See Map References

Legend For Individual Mapbook Pages

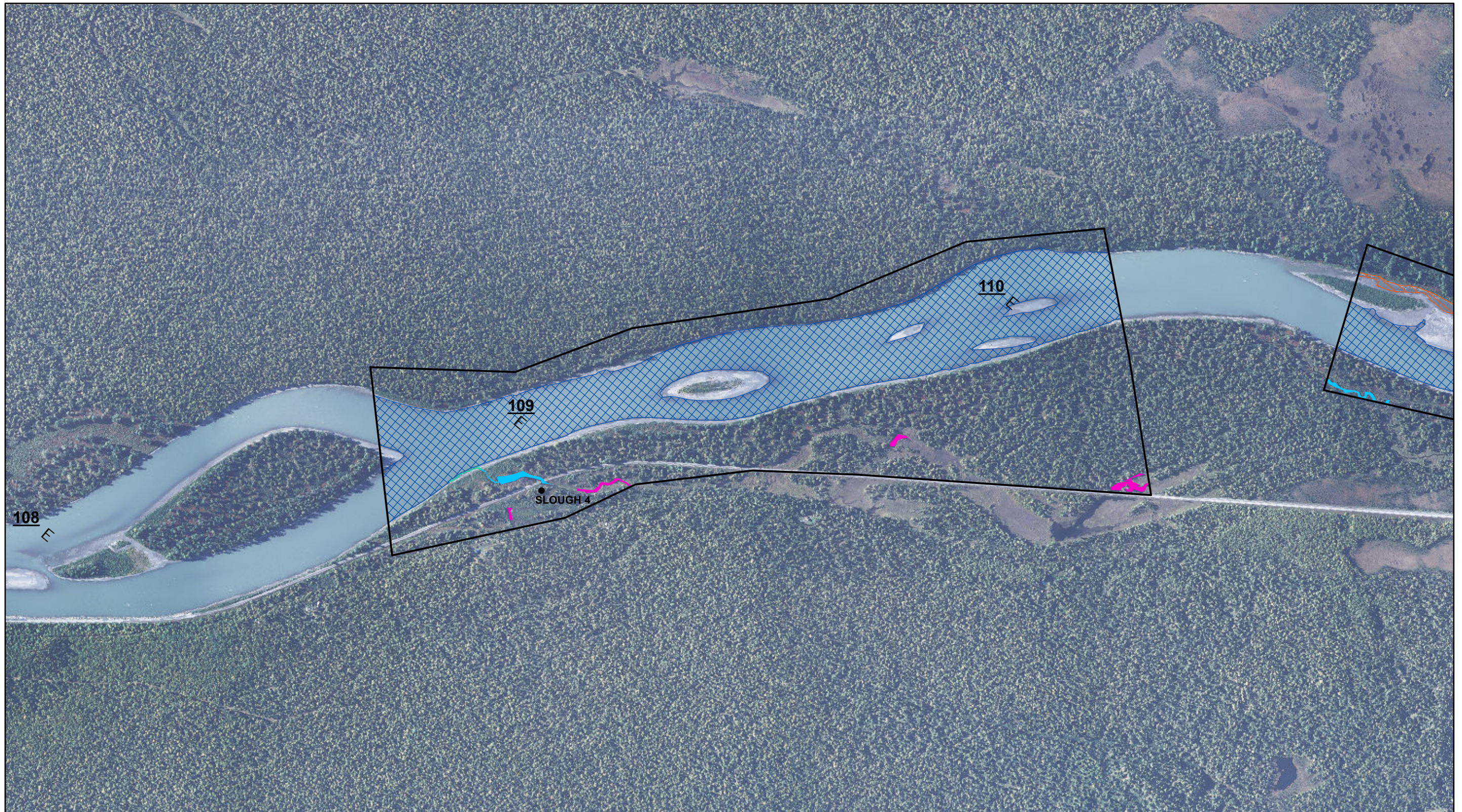
- Habitat Control Areas
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- Aquatic Macrohabitat Types**
 - Main Channel (MC)
 - Side Channel (SC)
 - Side Slough (SS)
 - Tributary (TR)
 - Tributary Mouth (SC TM, MC TM, TR TM)
 - Upland Slough (US)
 - Additional Open Water (AOW)

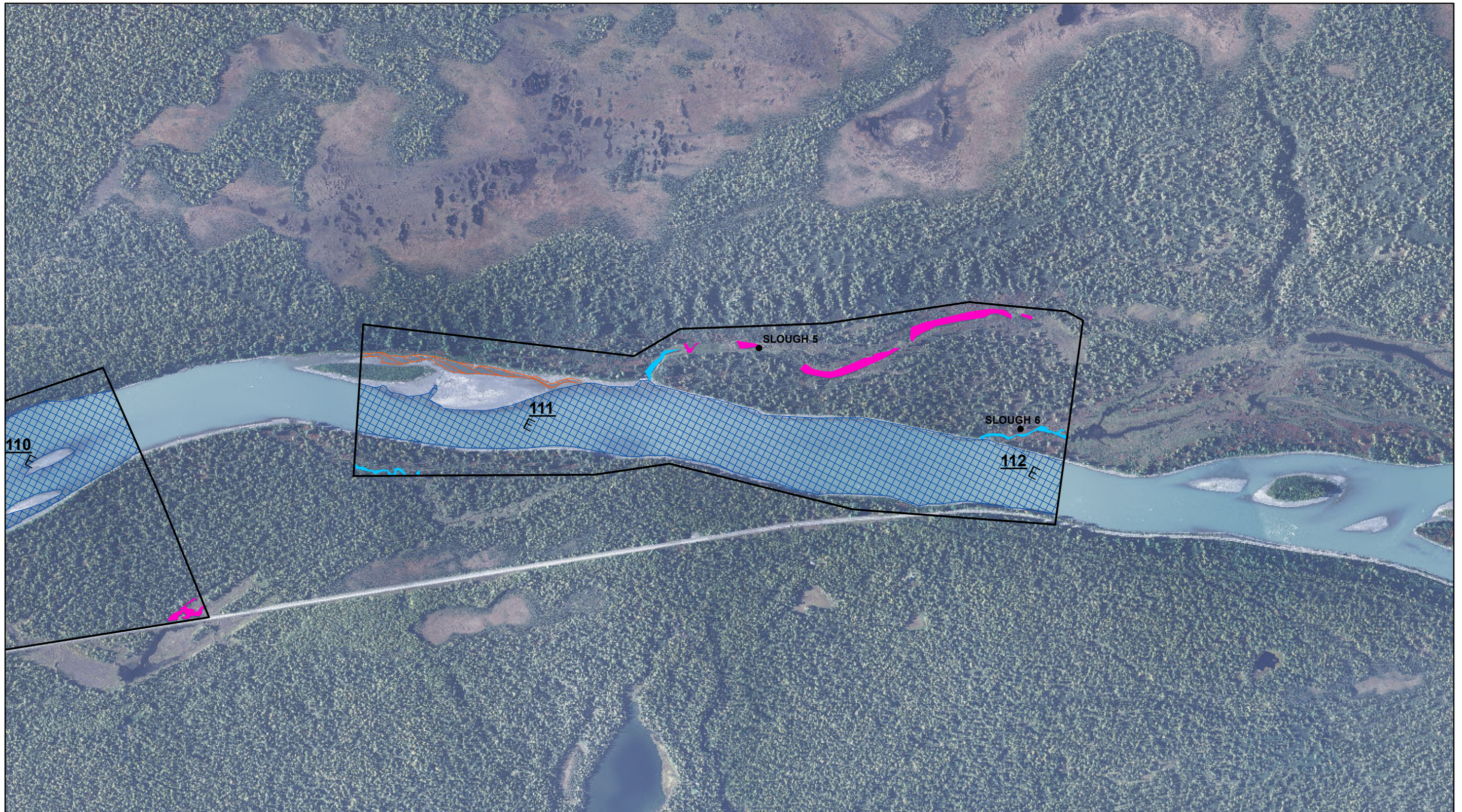
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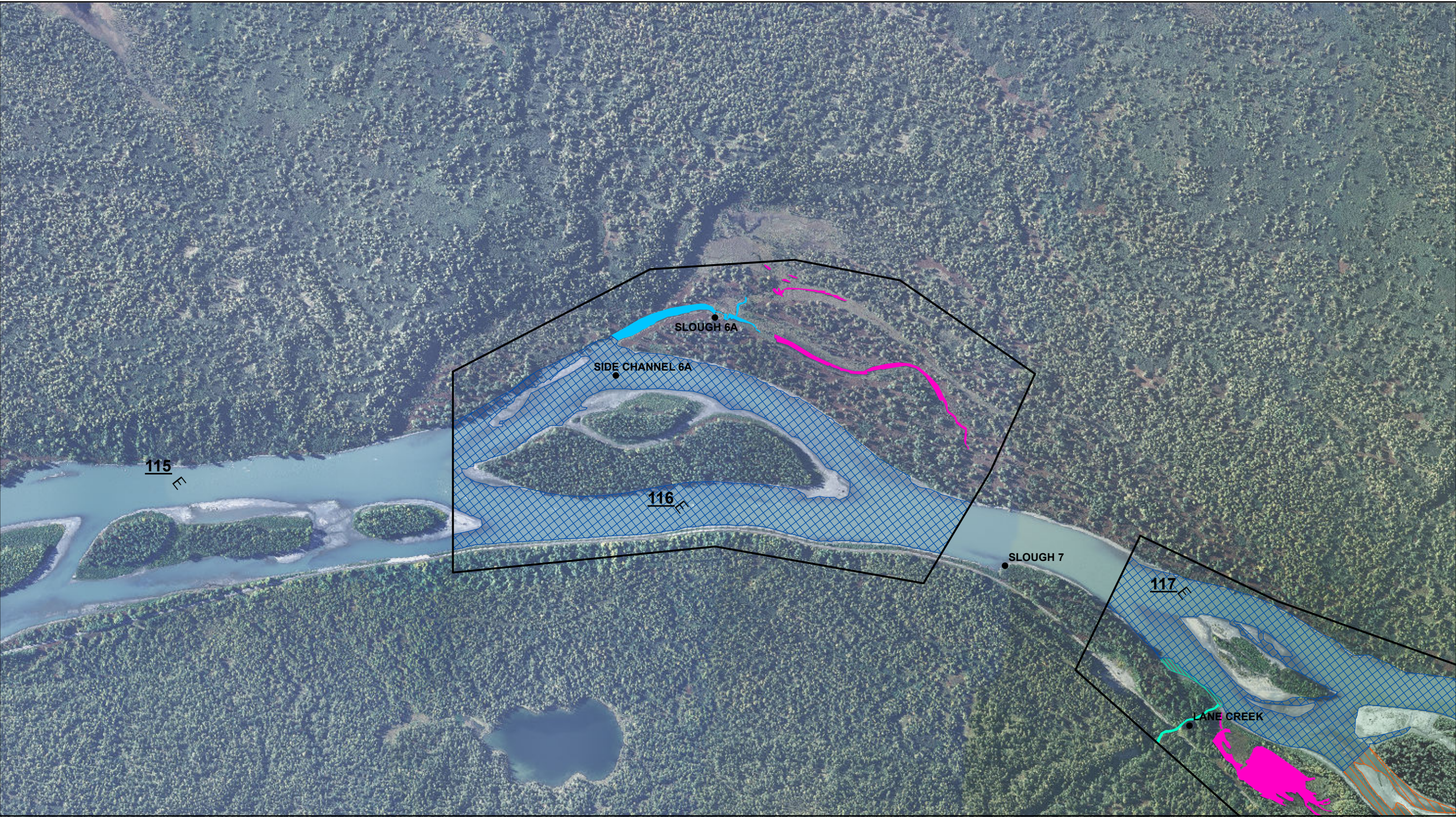


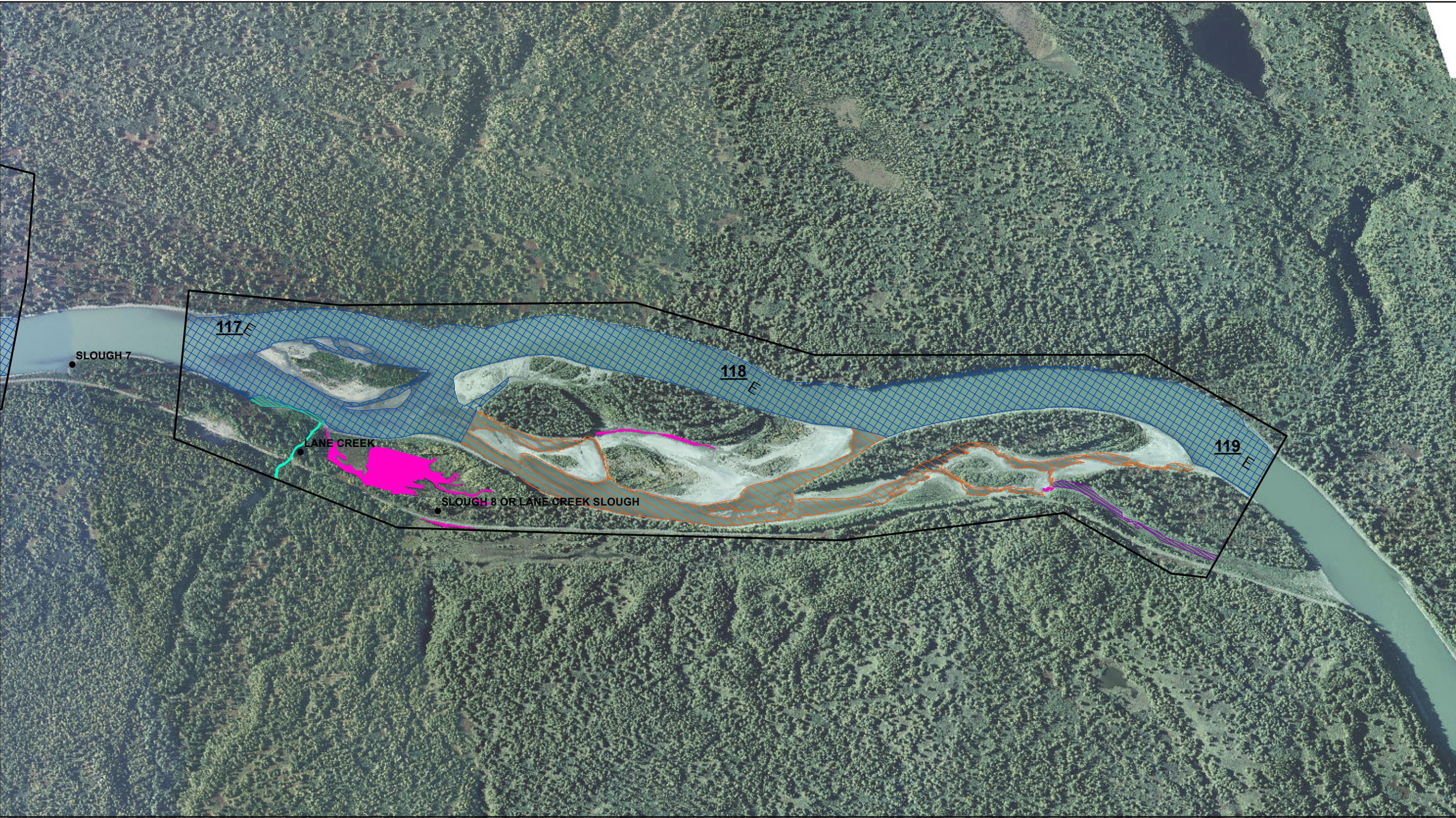
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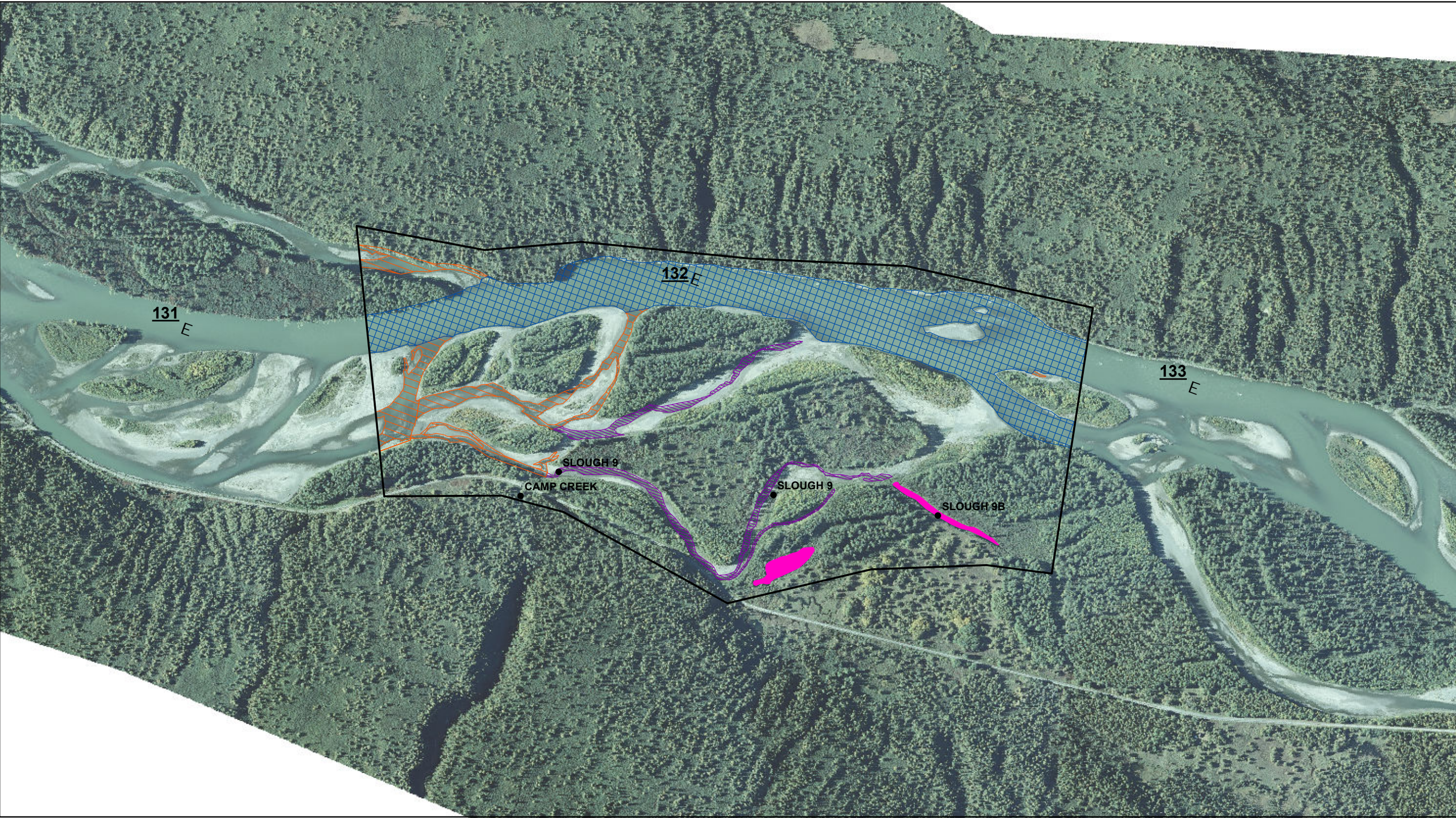




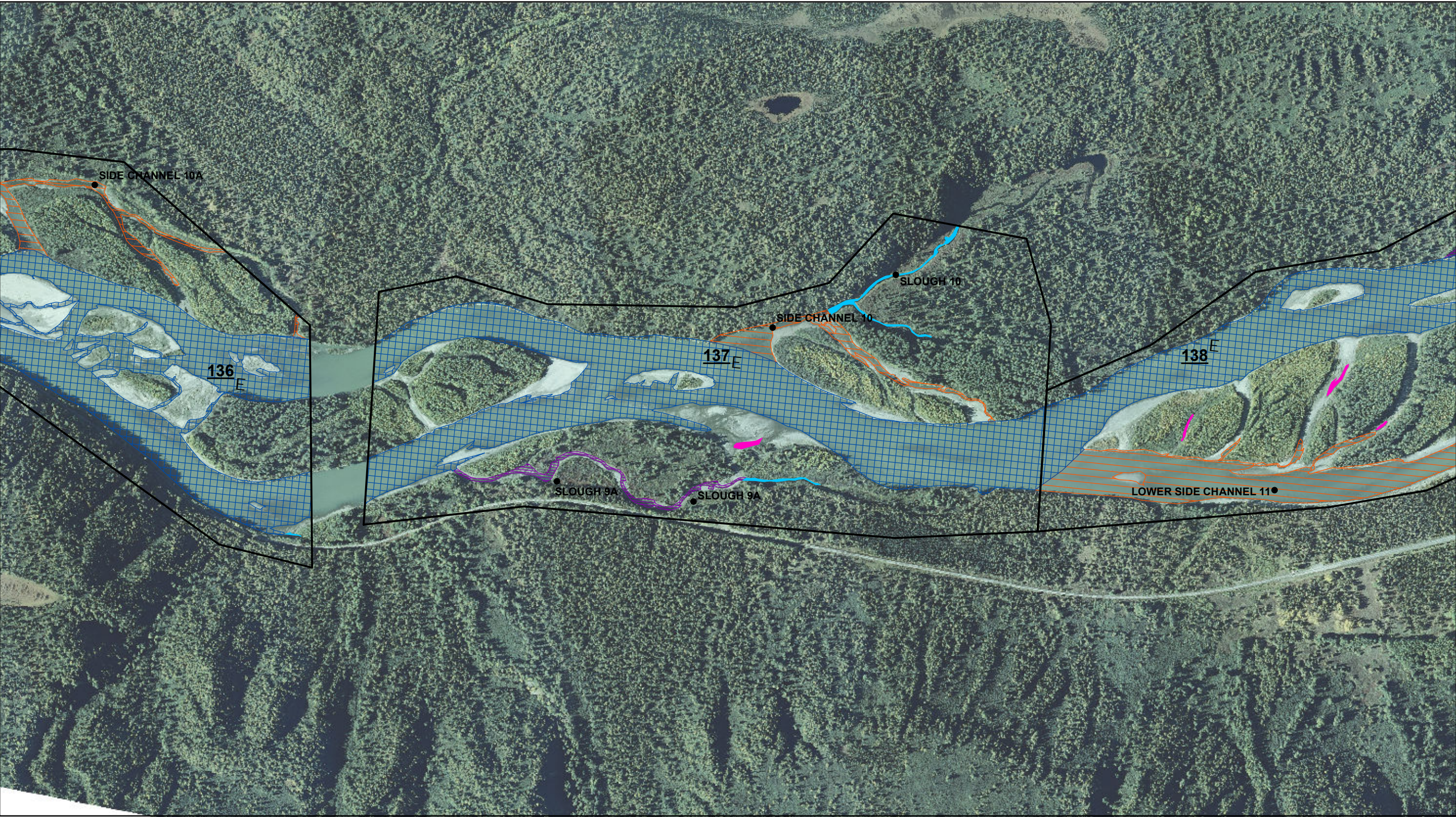




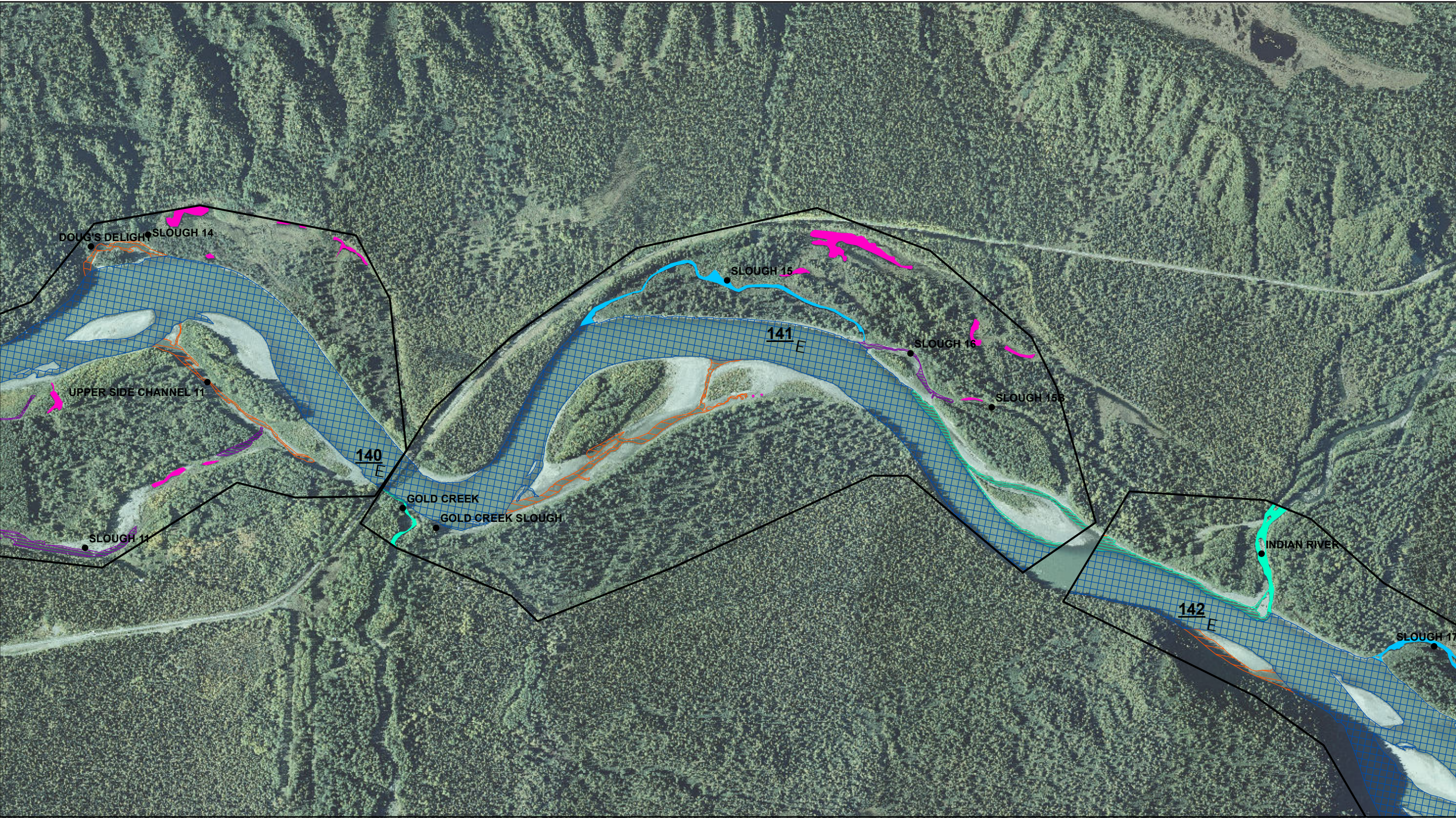


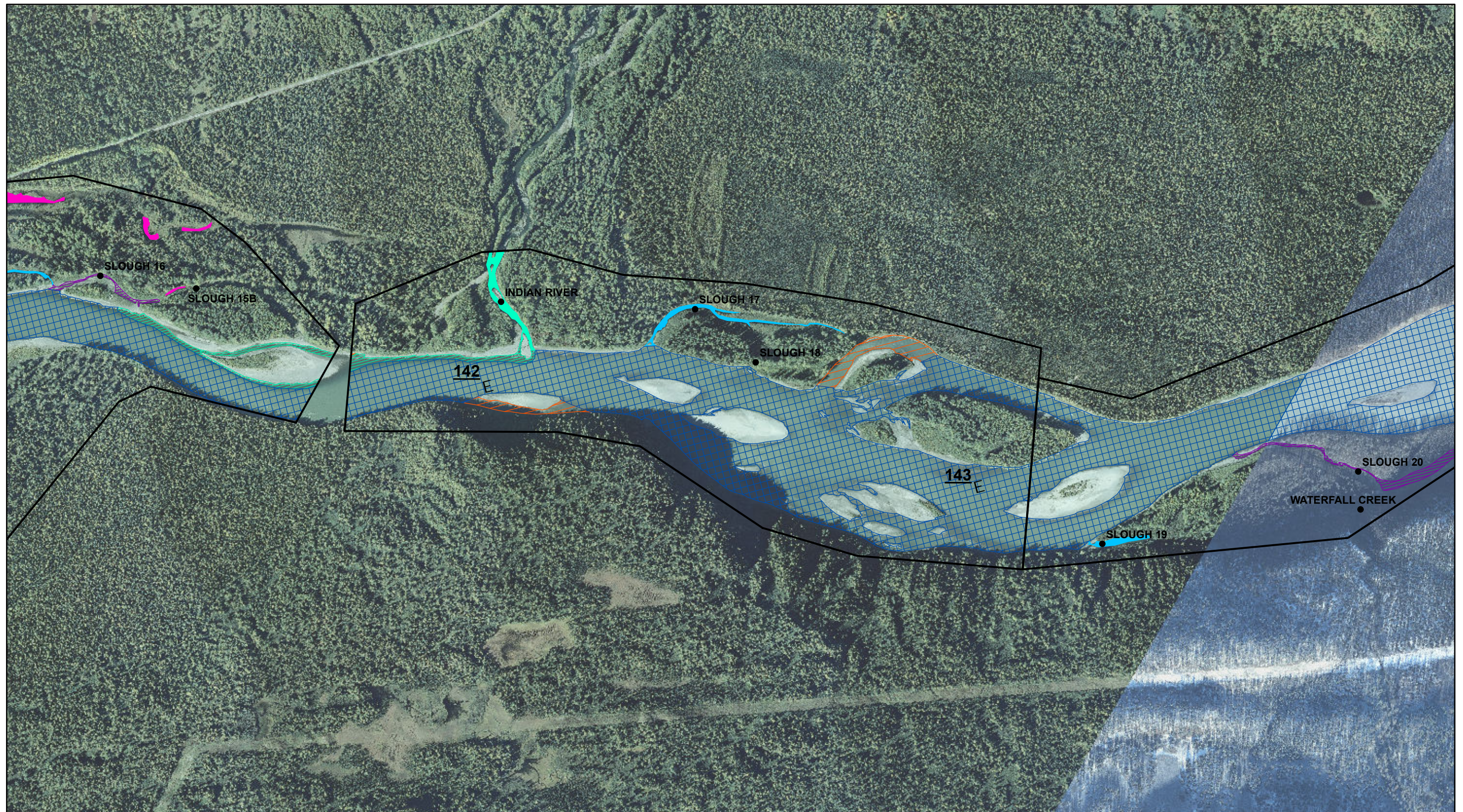


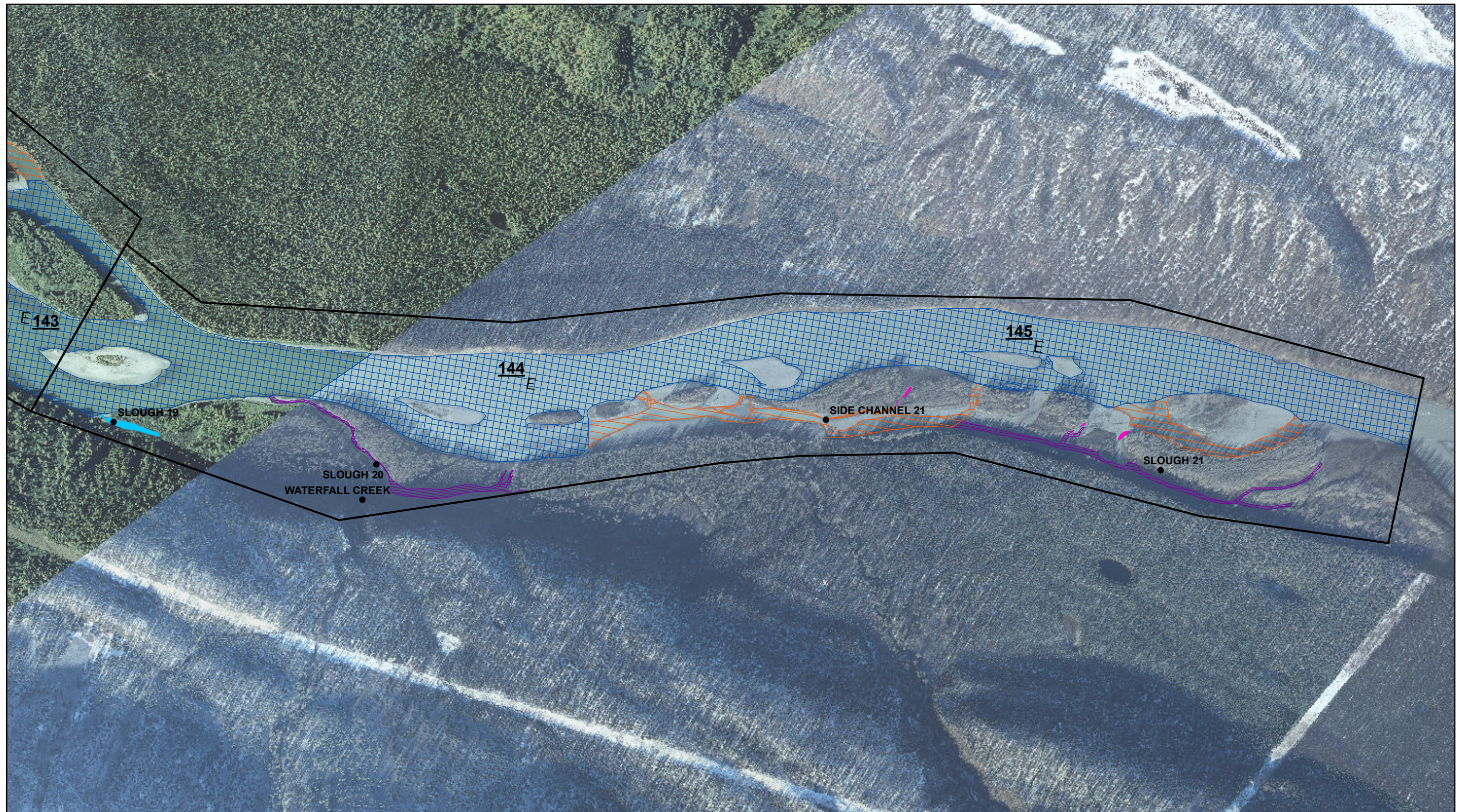


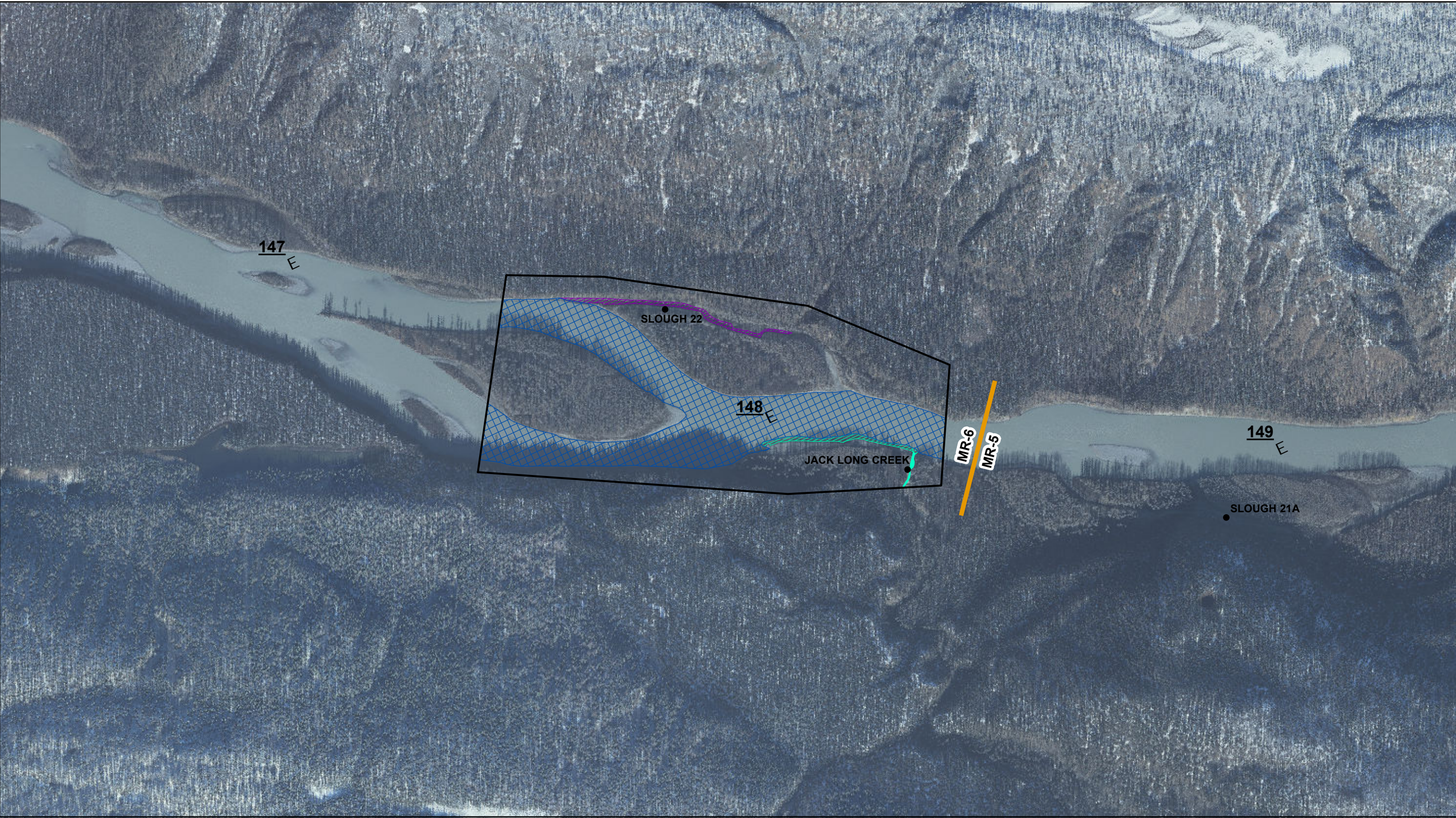




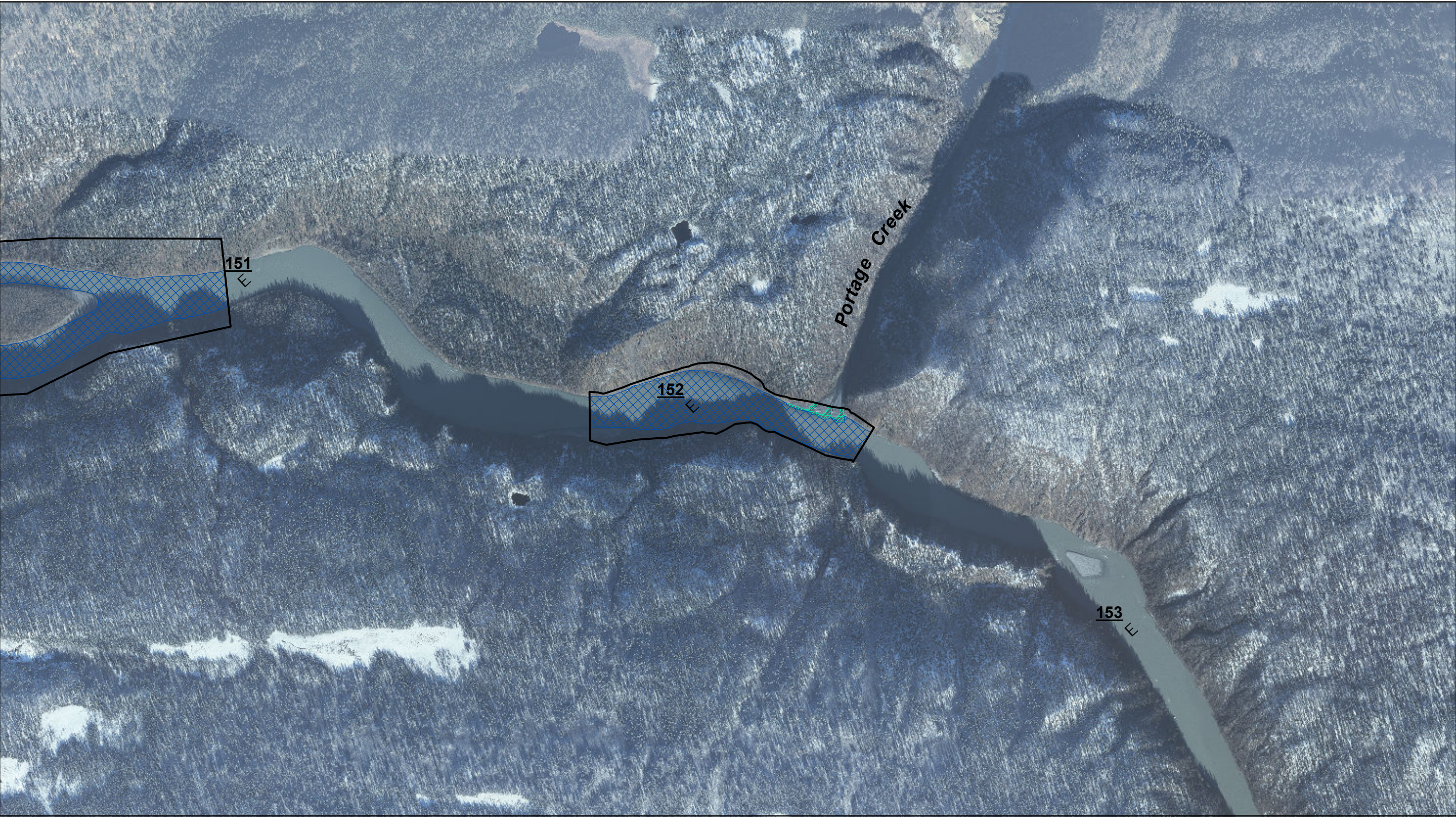


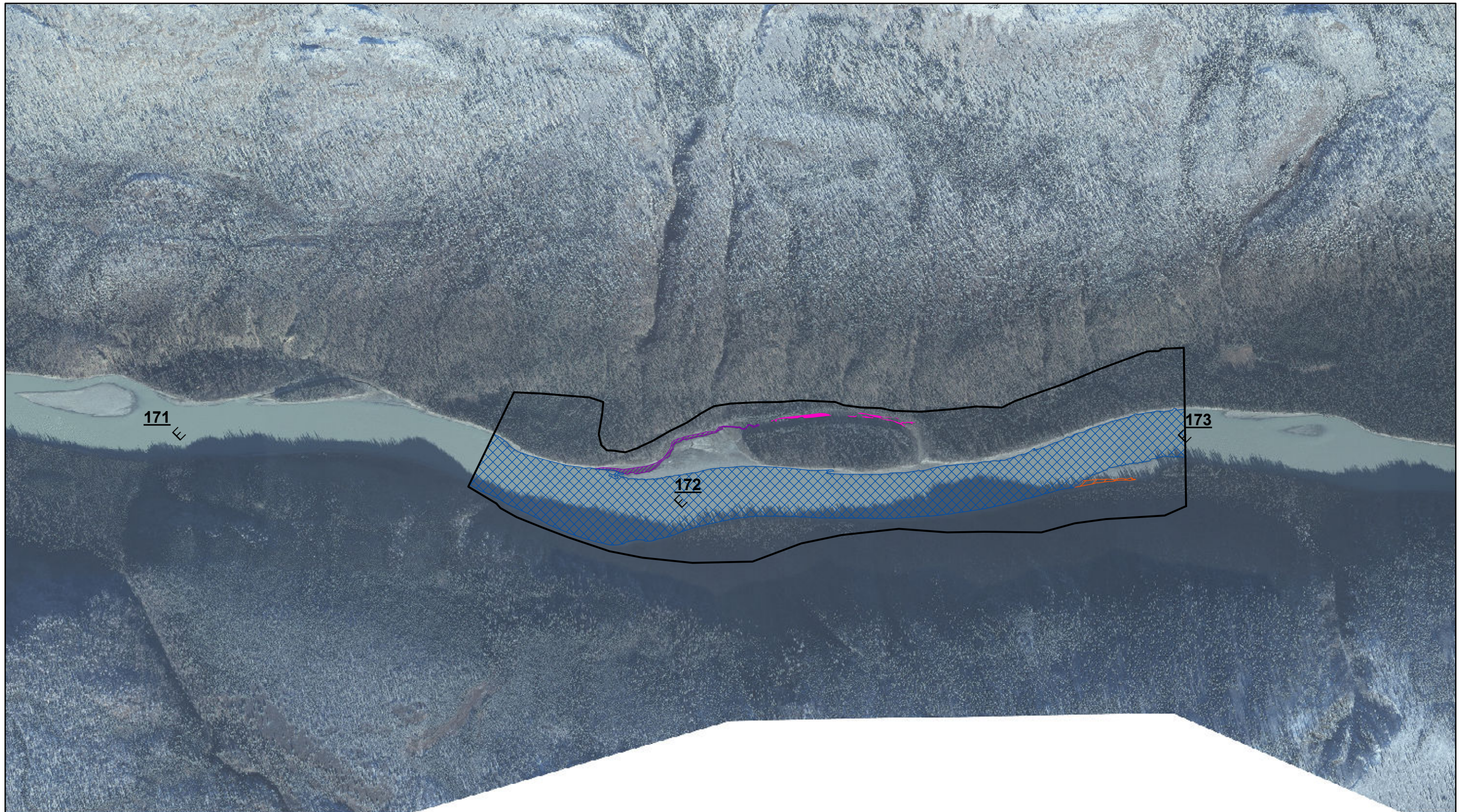








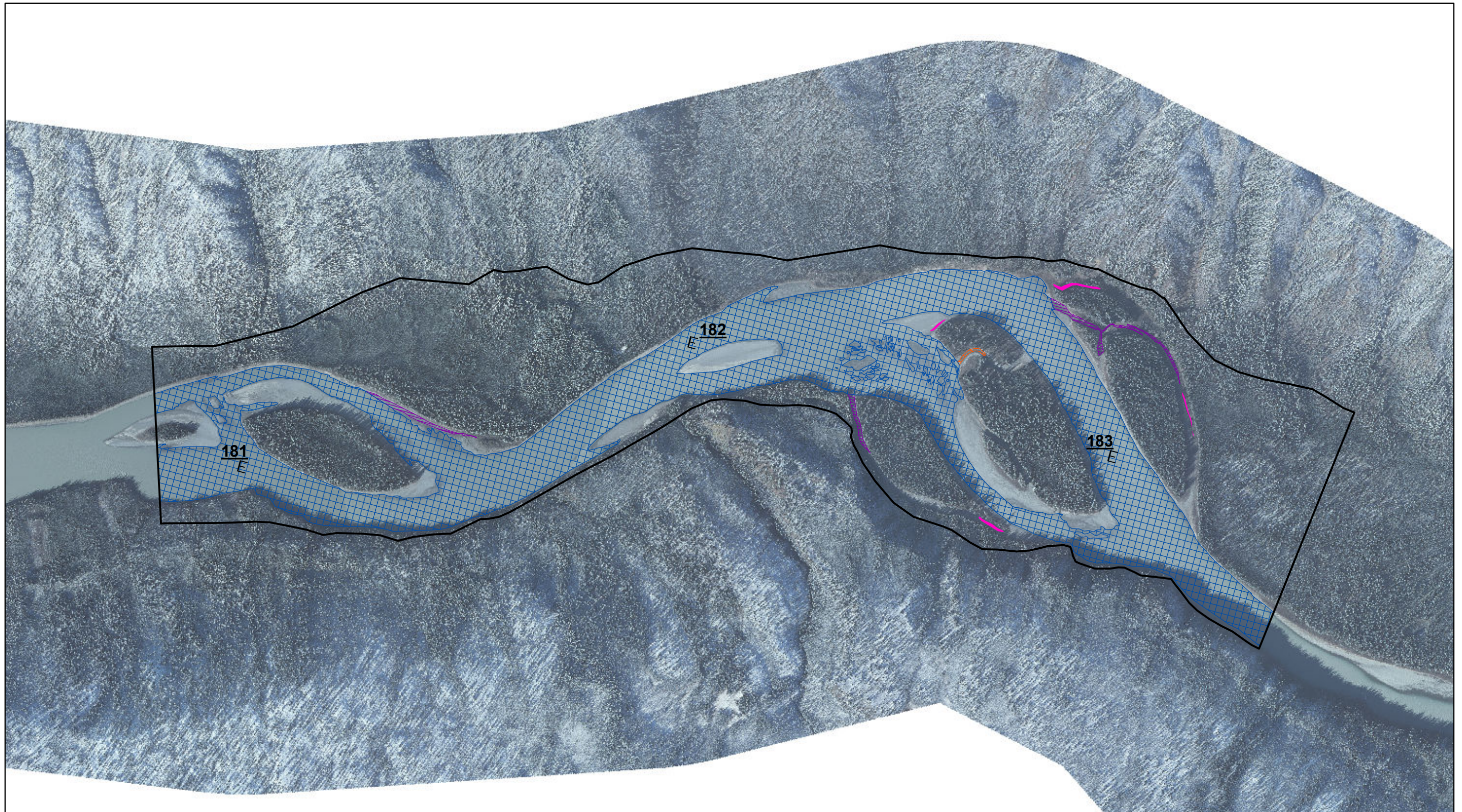


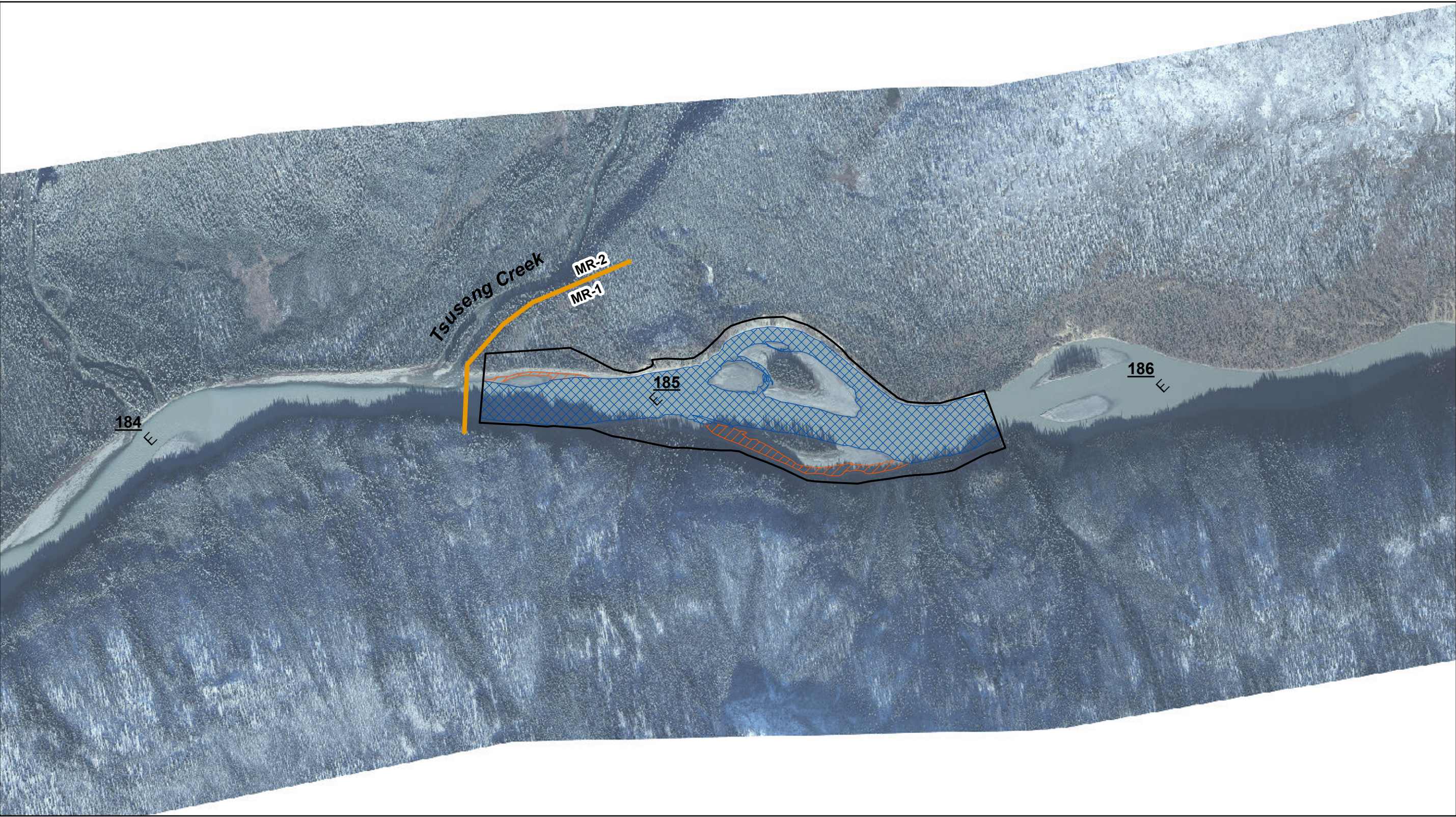












APPENDIX 3. 1983 LOWER RIVER SEGMENT HABITAT SITES

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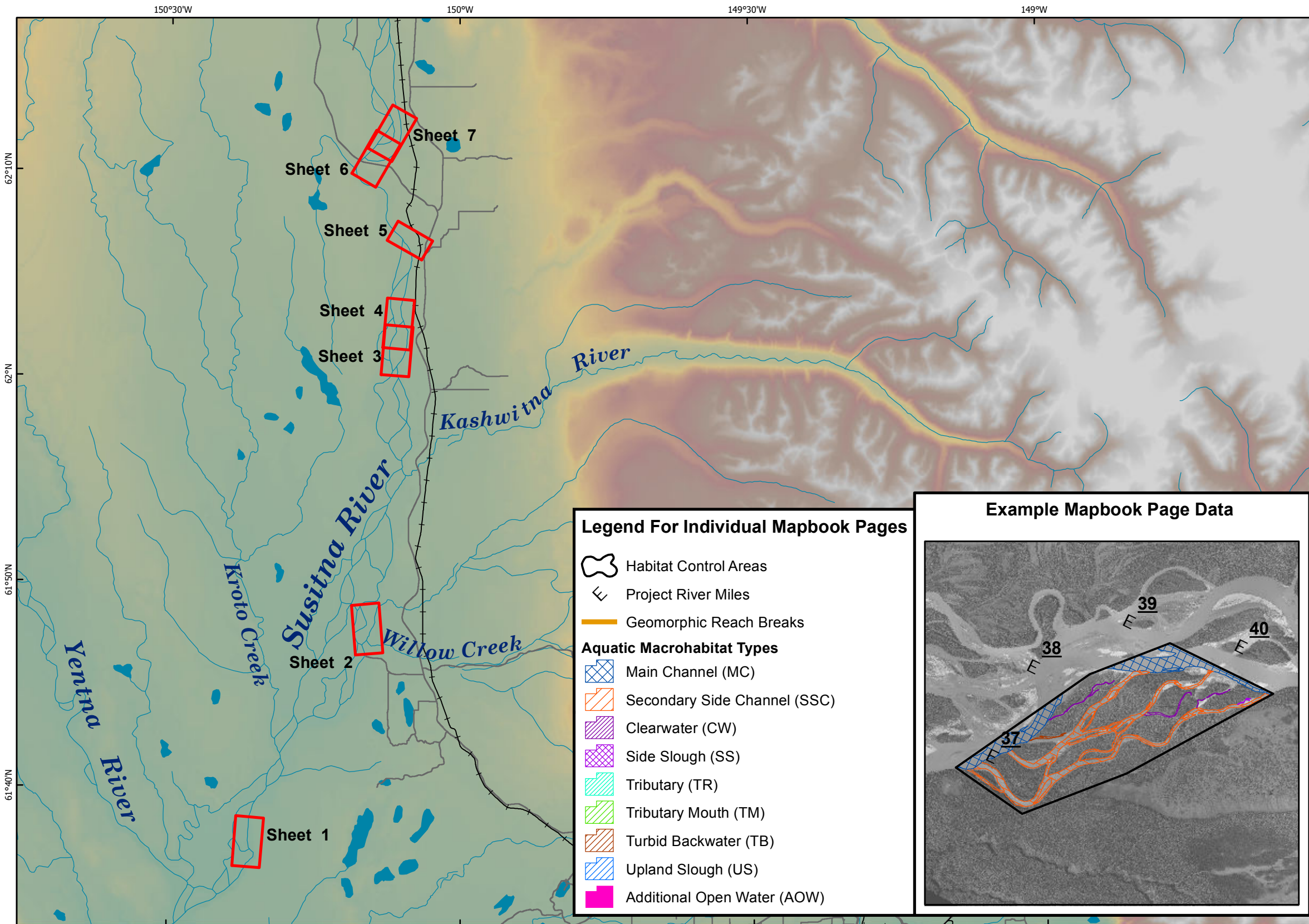
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LOWER SUSITNA RIVER SEGMENT HABITAT SITES 1983

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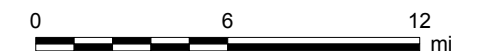
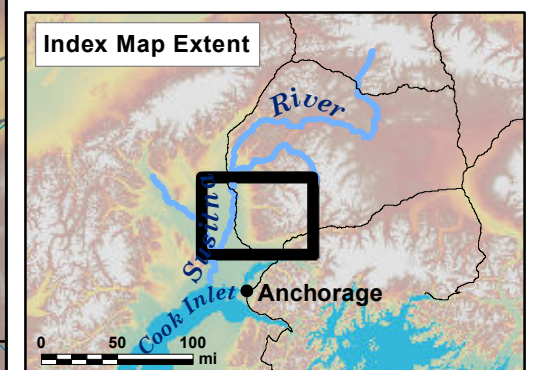
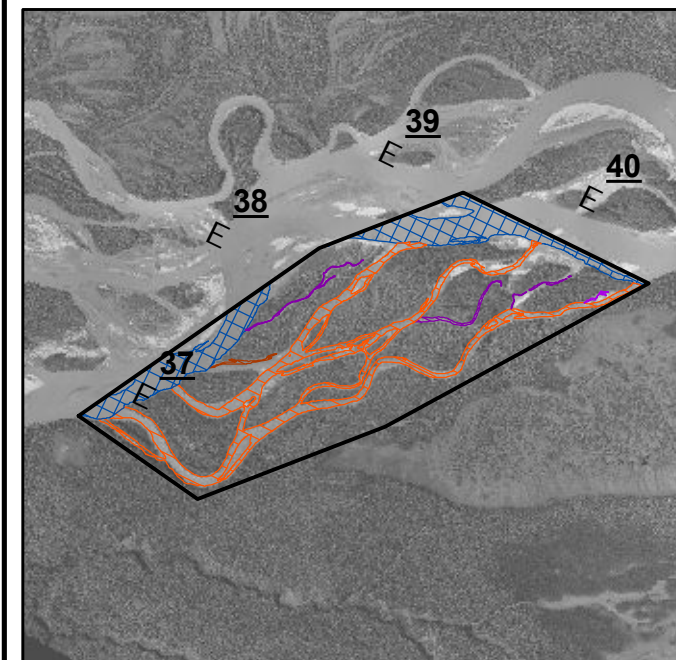
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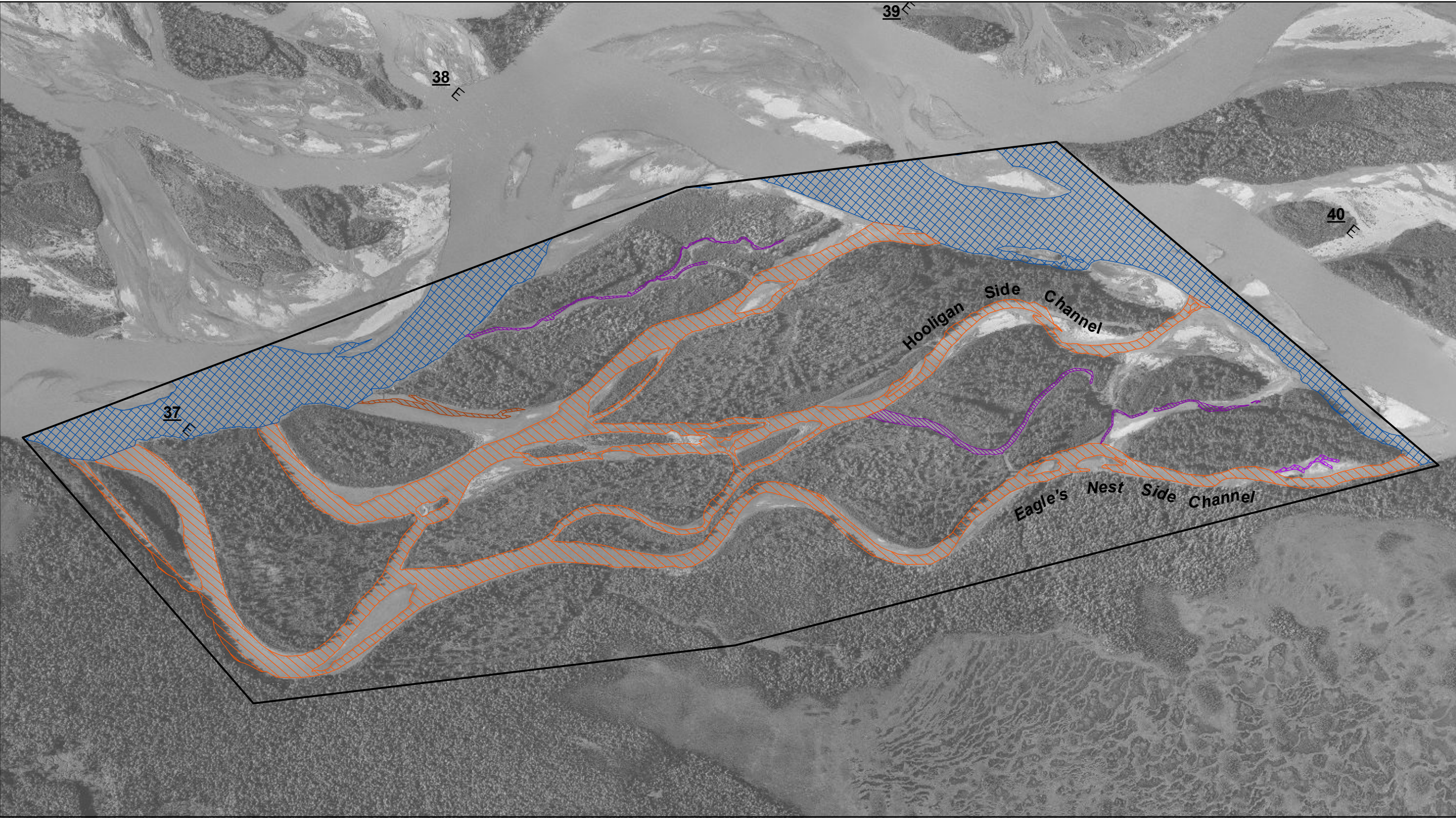
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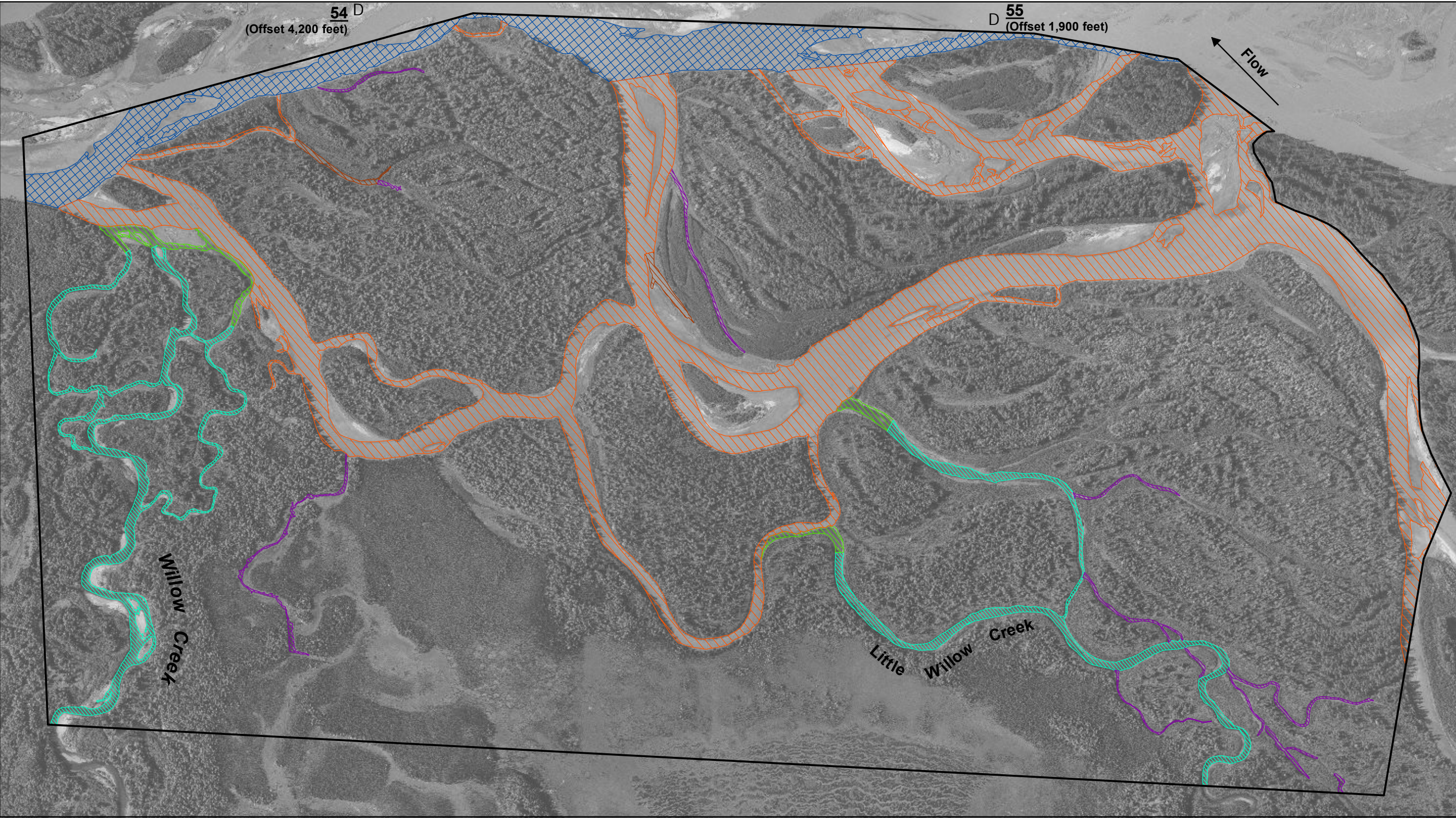
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 - Upland Slough (US)
 - Additional Open Water (AOW)

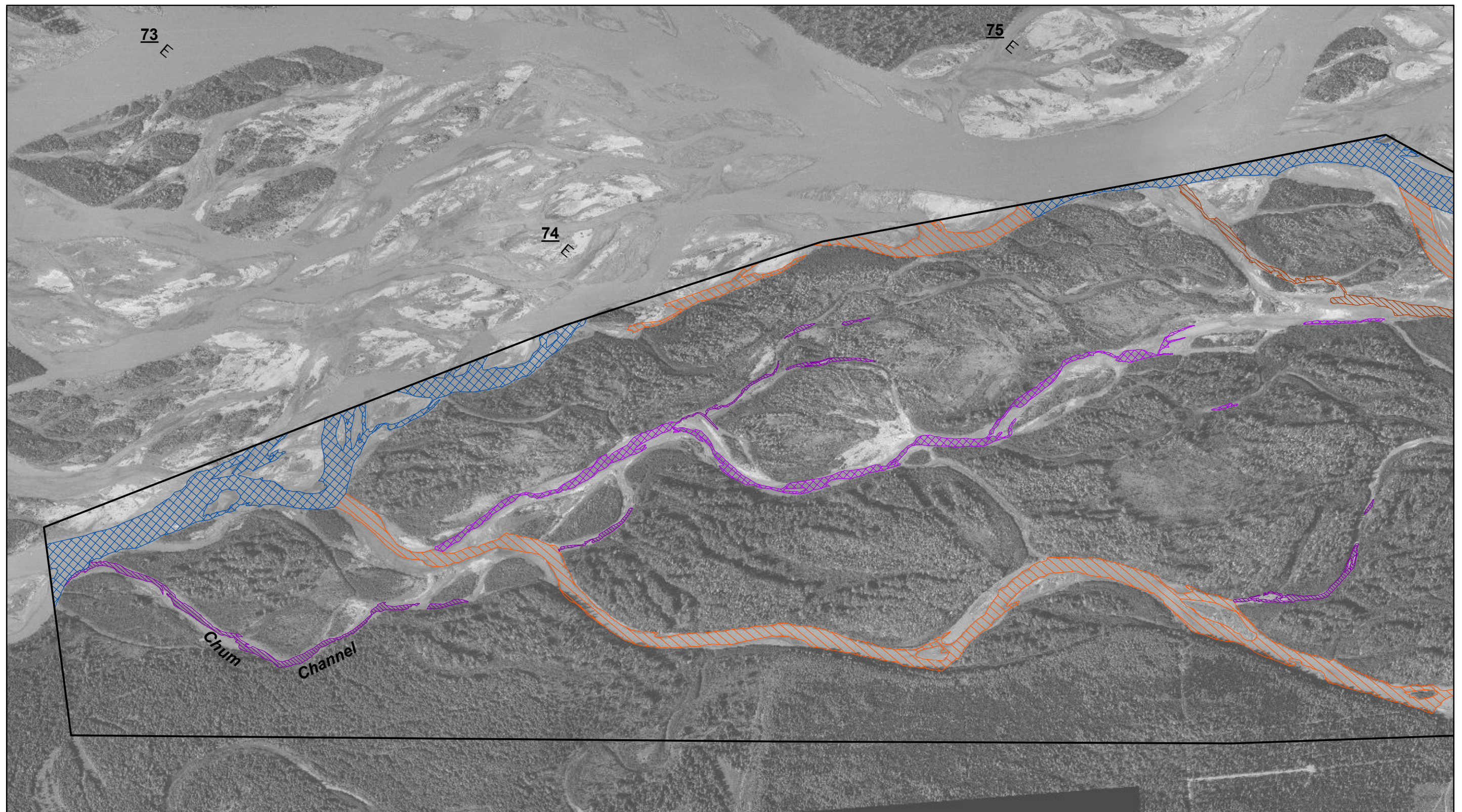
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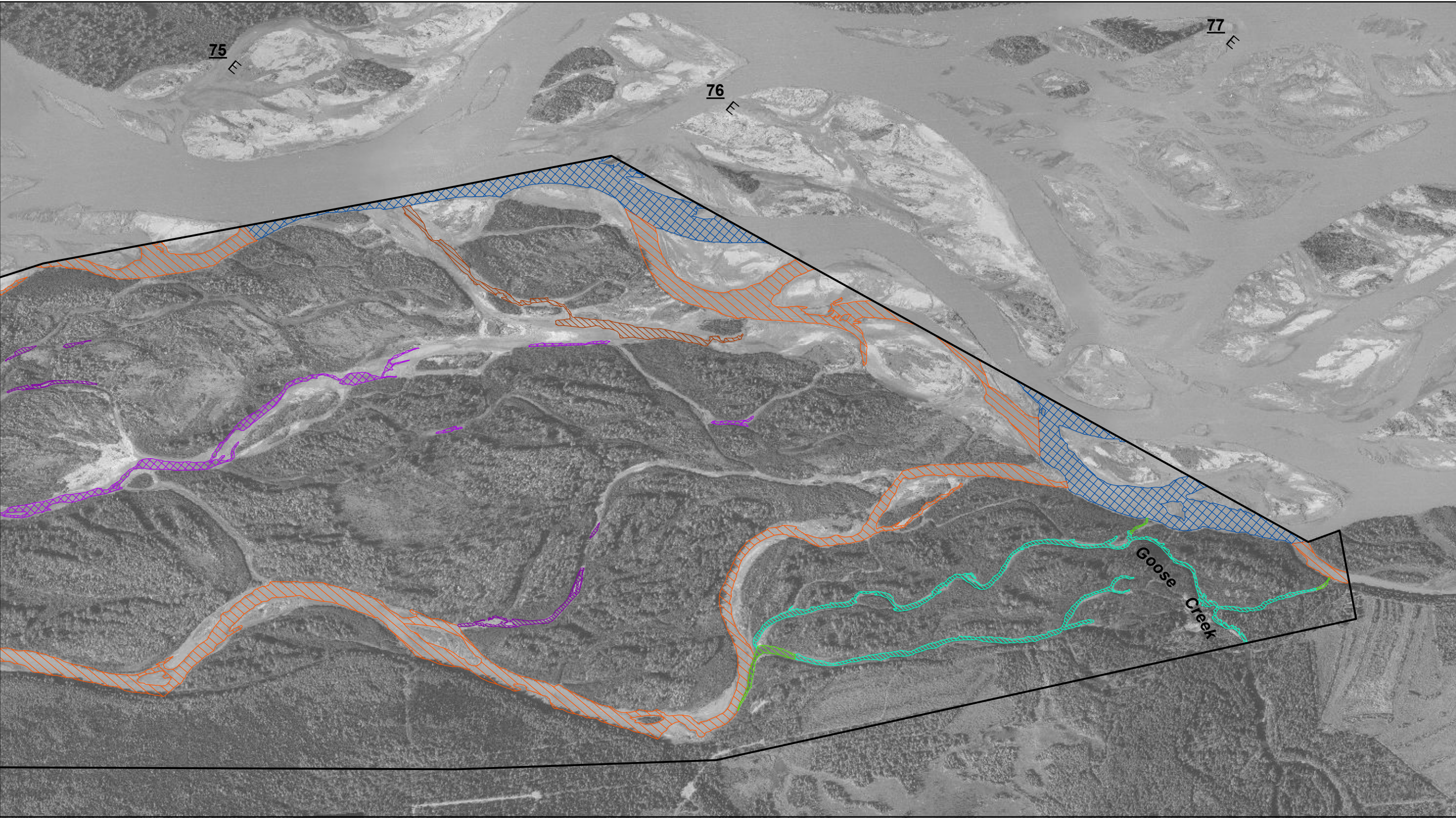


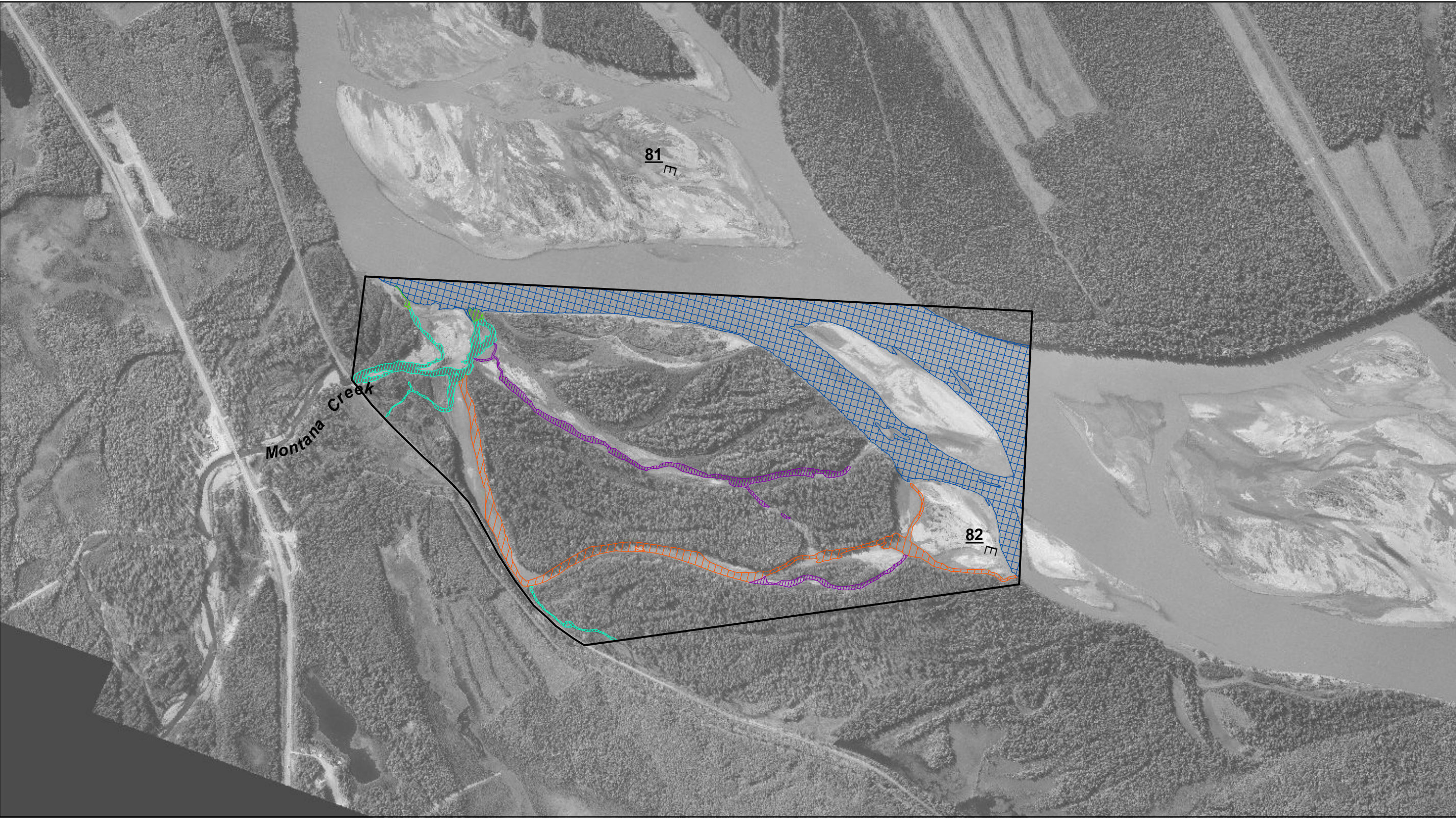
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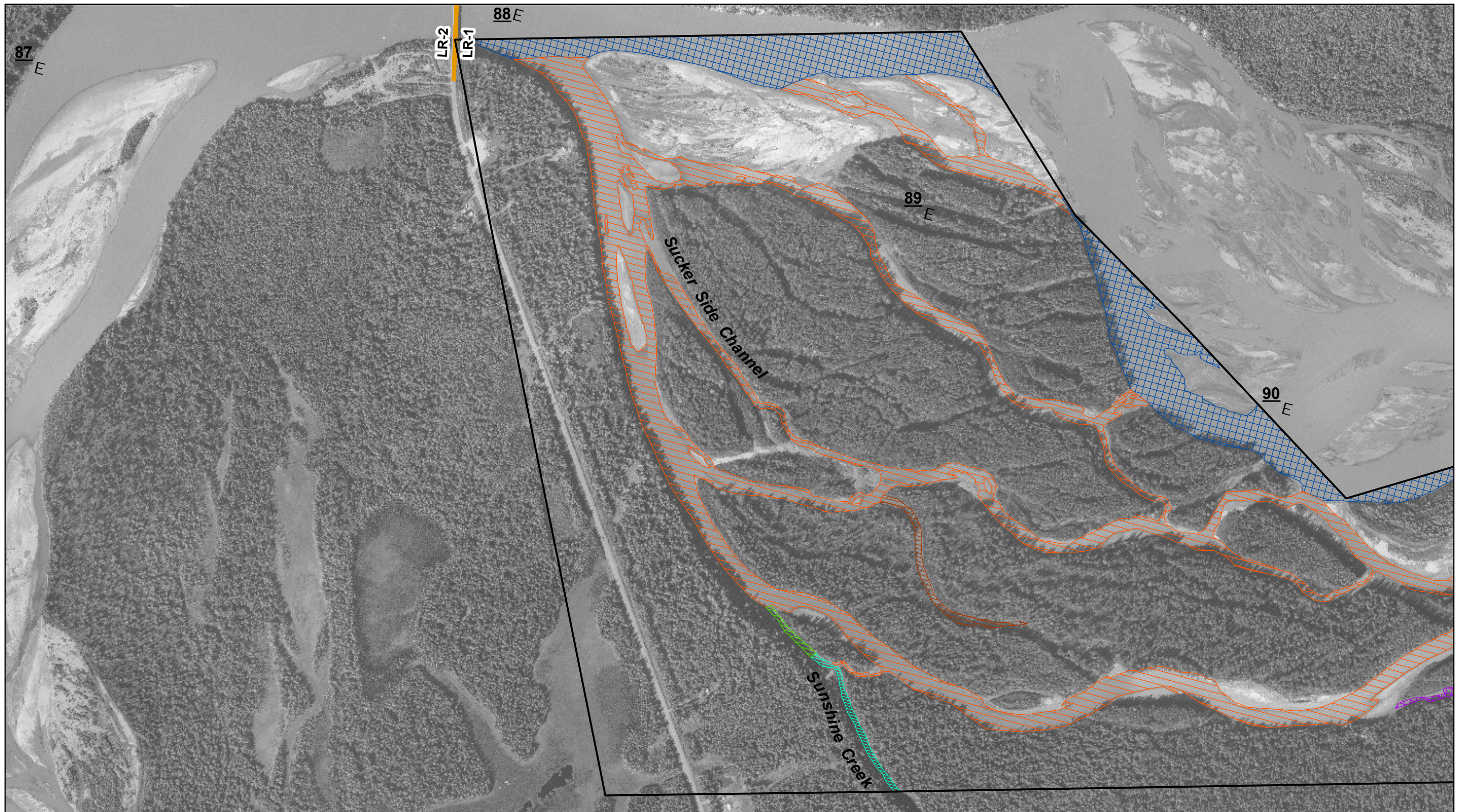


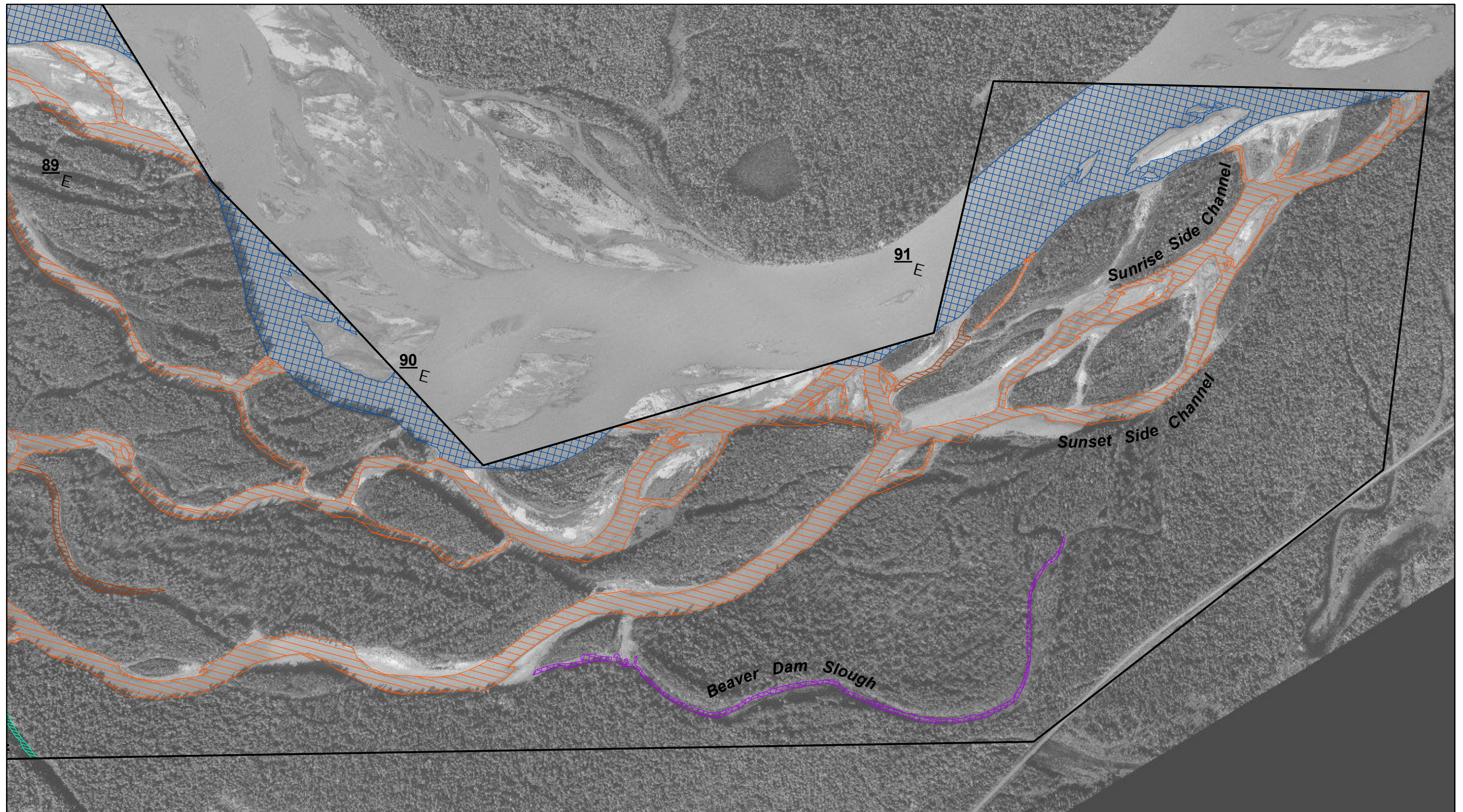












APPENDIX 4. 2012 LOWER RIVER SEGMENT HABITAT SITES

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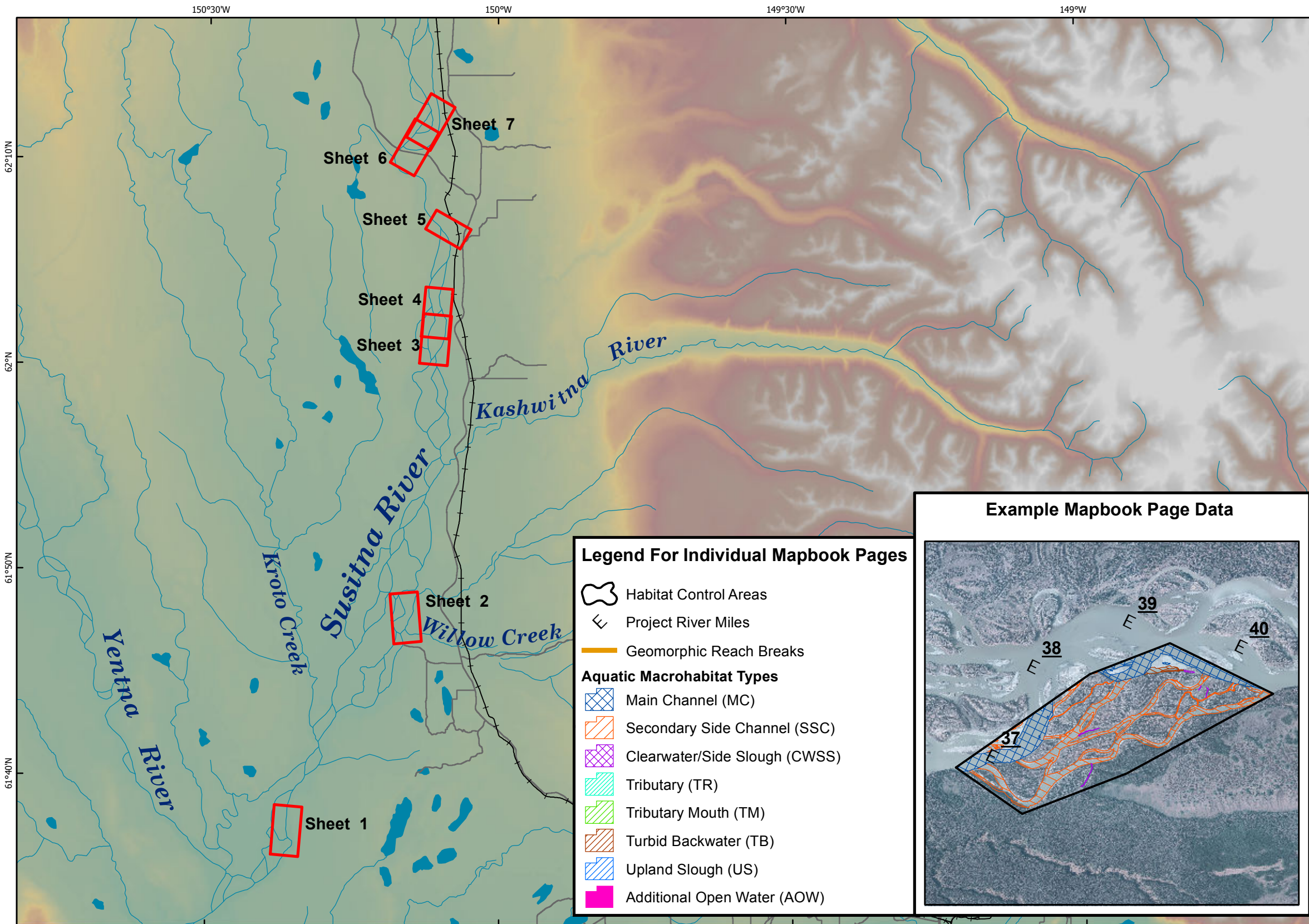
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LOWER SUSITNA RIVER SEGMENT HABITAT SITES 2012

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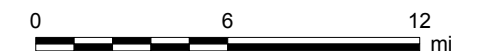
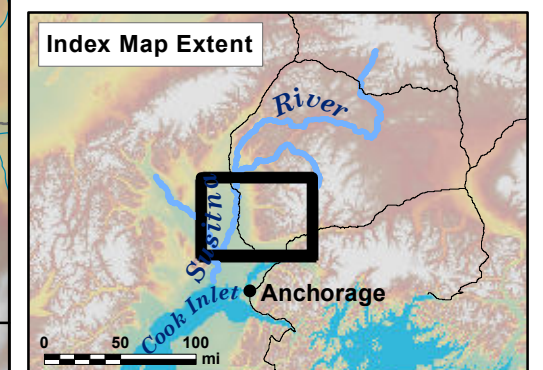
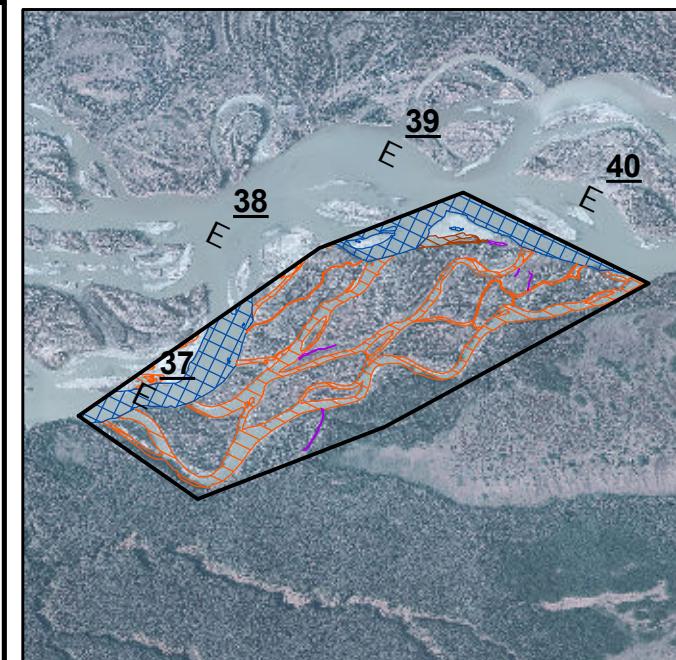
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Example Mapbook Page Data



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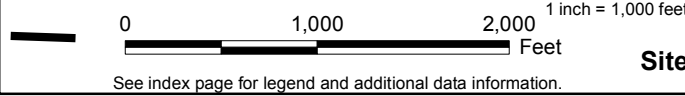
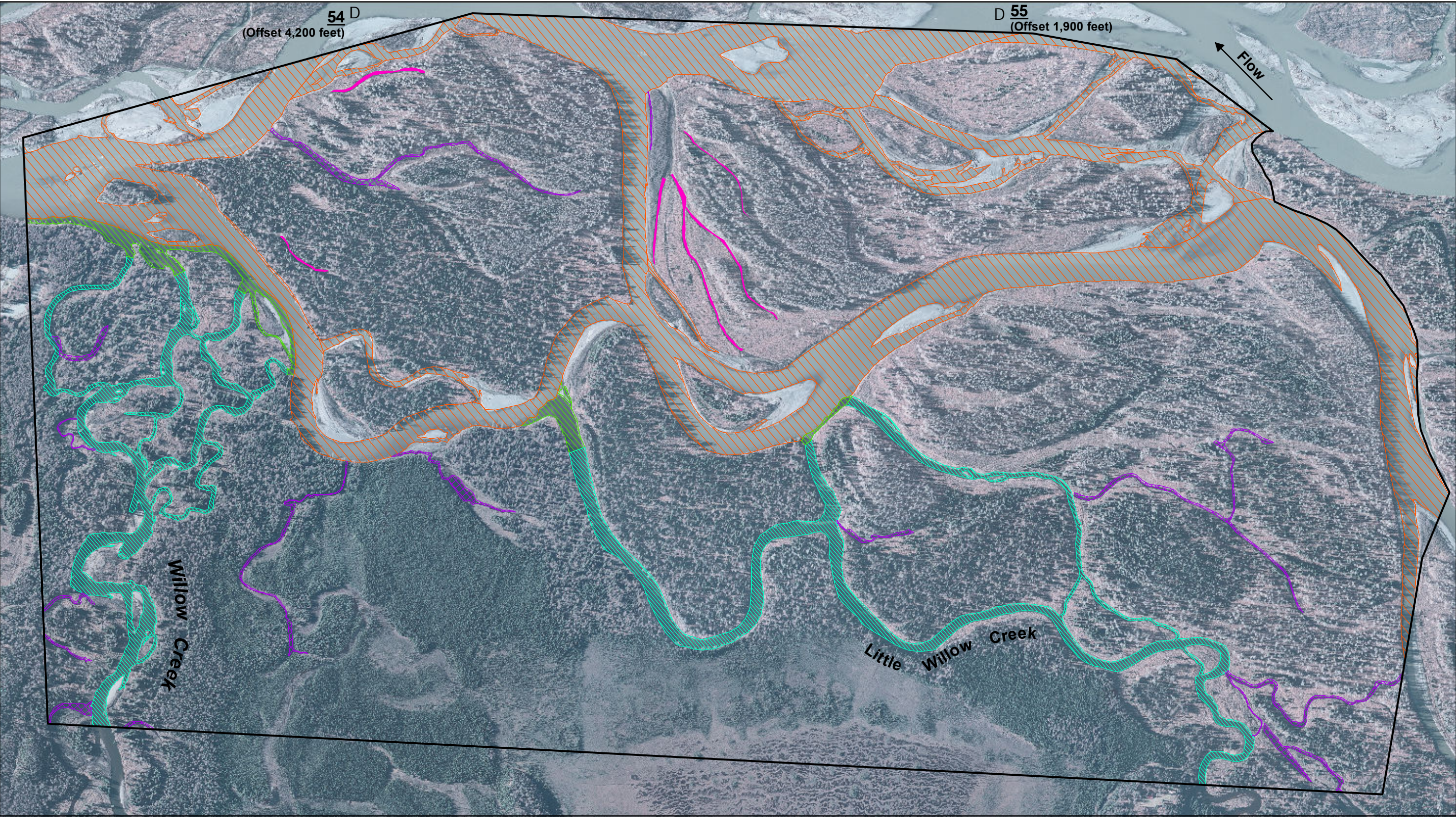
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Sheet 1 of 7
Site 1, SC IV-4

**LOWER SUSITNA RIVER SEGMENT
2012 HABITAT SITES**

Location:	Imagery Date:	Discharge (Sunshine)	Location:	Imagery Date:	Discharge (Sunshine)
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PRM 69 - 78:	09/30/2012,	48,000 cfs			



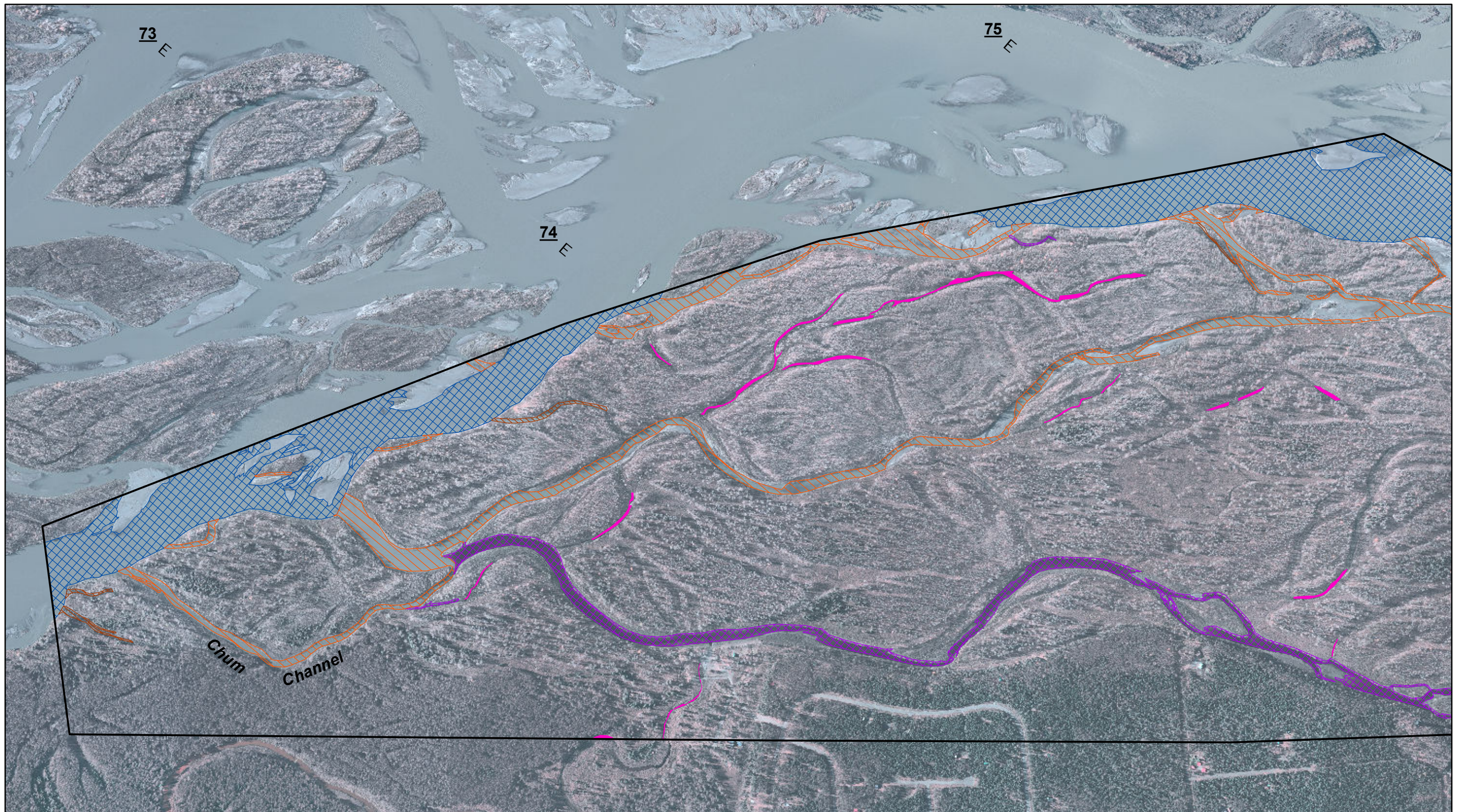


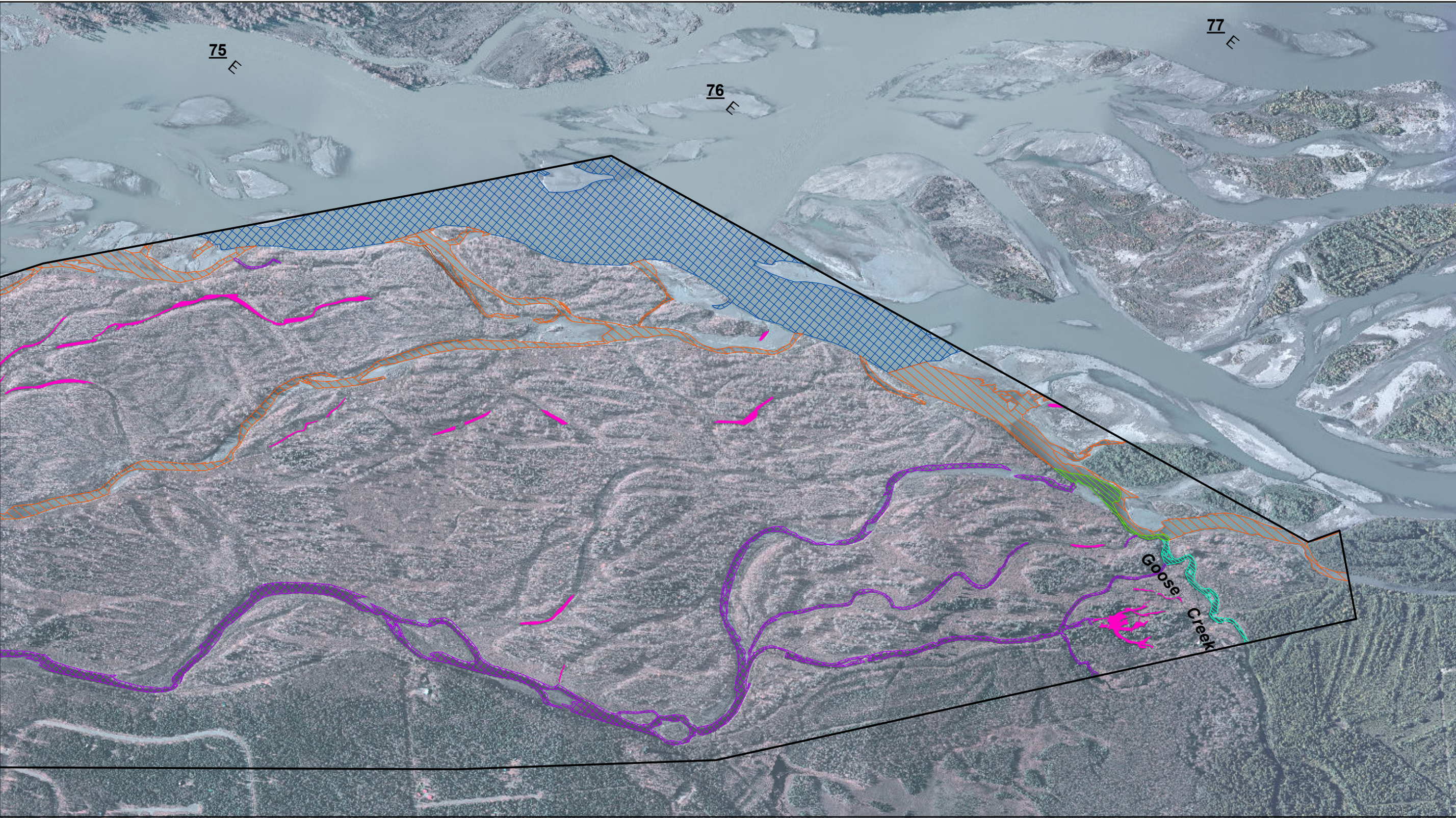
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Site 2, Willow Creek

**LOWER SUSITNA RIVER SEGMENT
2012 HABITAT SITES**

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PRM 69 - 78:	09/30/2012,	48,000 cfs			







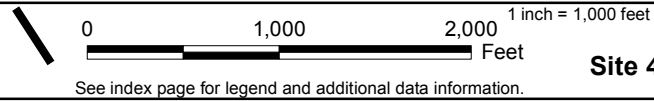
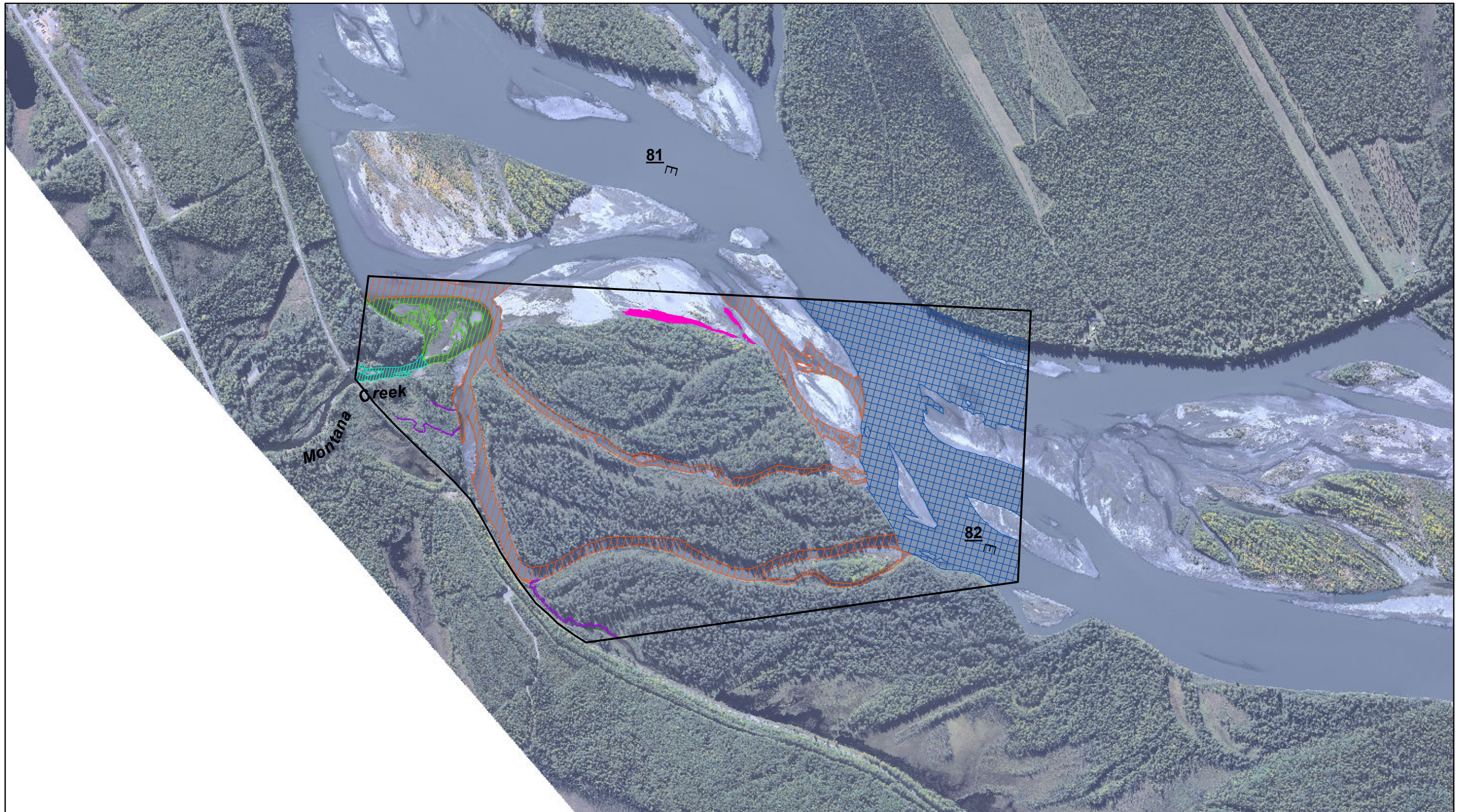
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1 inch = 1,000 feet
See index page for legend and additional data information.

Sheet 4 of 7
Site 3, Goose Creek

**LOWER SUSITNA RIVER SEGMENT
2012 HABITAT SITES**

Location:	Imagery Date:	Discharge (Sunshine)	Location:	Imagery Date:	Discharge (Sunshine)
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PRM 69 - 78:	09/30/2012,	48,000 cfs			





Sheet 5 of 7
Site 4, Montana Creek

LOWER SUSITNA RIVER SEGMENT
2012 HABITAT SITES

Location:	Imagery Date:	Discharge (Sunshine)
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PRM 69 - 78:	09/30/2012,	48,000 cfs

Location:	Imagery Date:	Discharge (Sunshine)
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