

APPENDIX N. 1950s TO 1980s LOWER SUSITNA RIVER SEGMENT TURNOVER

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

Geomorphology Study (6.5)

**Mapping of Geomorphic Features and Turnover
within the Middle and Lower Susitna River Segments
from 1950s, 1980s, and Current Aerials
Technical Memorandum**

Prepared for

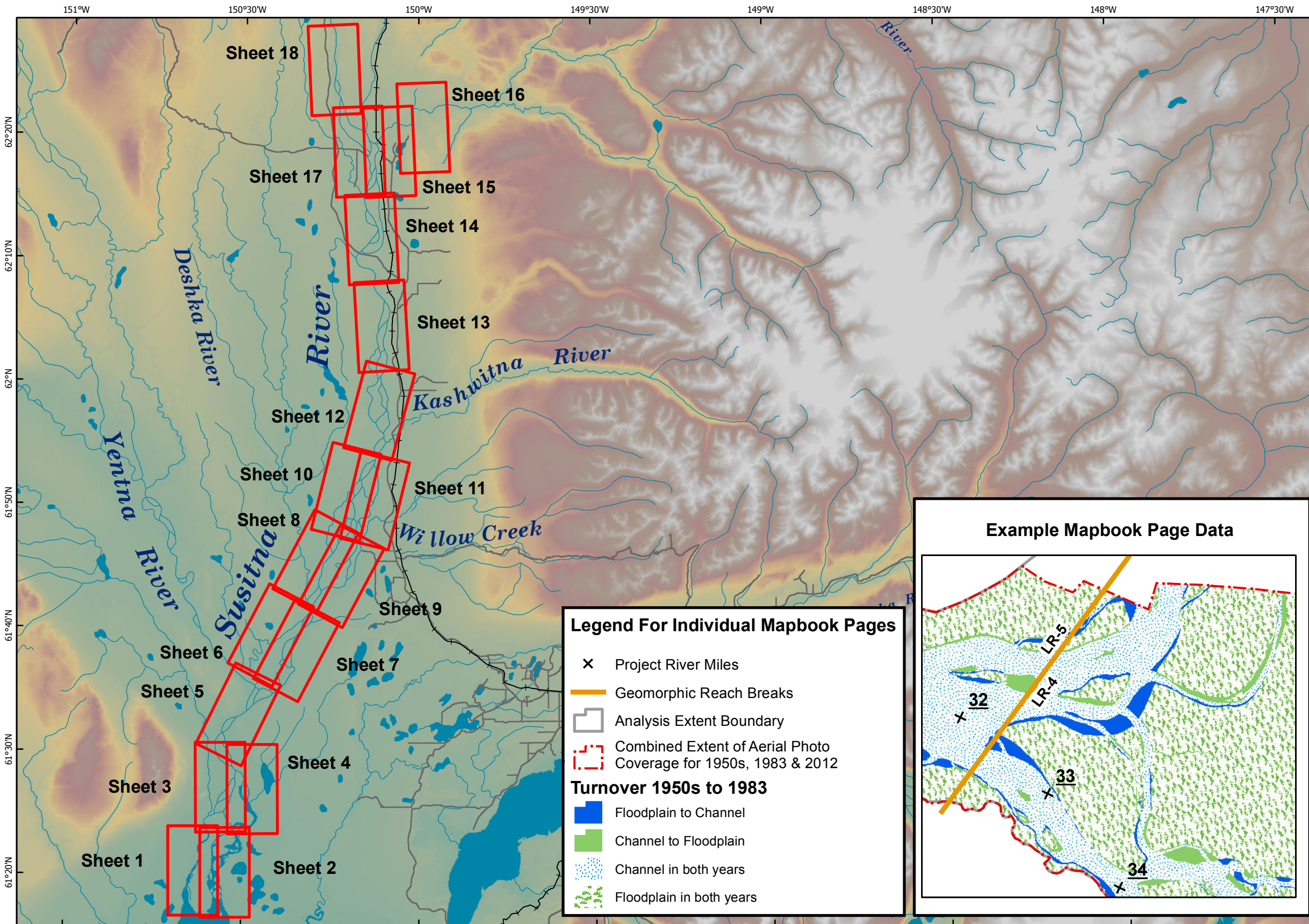
Alaska Energy Authority



Prepared by

Tetra Tech Inc.

September 2014



LOWER SUSITNA RIVER SEGMENT TURNOVER ANALYSIS 1950s - 1983

Legend

- Sheet Extents
- Roads
- Railroads
- Rivers and Streams
- Waterbodies

Data Sources: See Map References

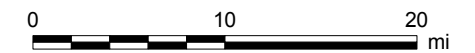
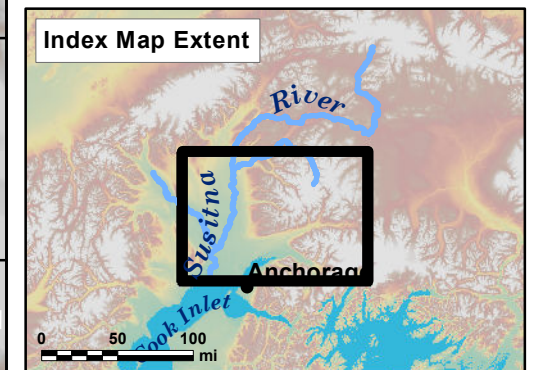
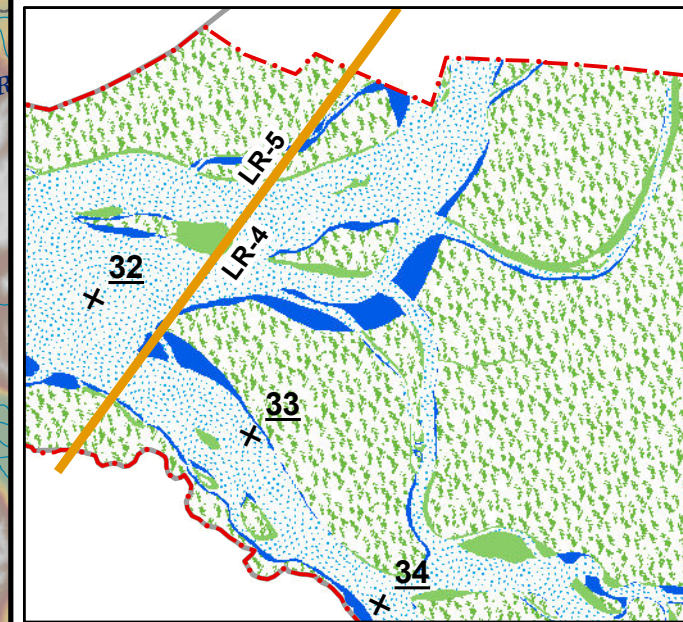
Legend For Individual Mapbook Pages

- Project River Miles
- Geomorphic Reach Breaks
- Analysis Extent Boundary
- Combined Extent of Aerial Photo Coverage for 1950s, 1983 & 2012

Turnover 1950s to 1983

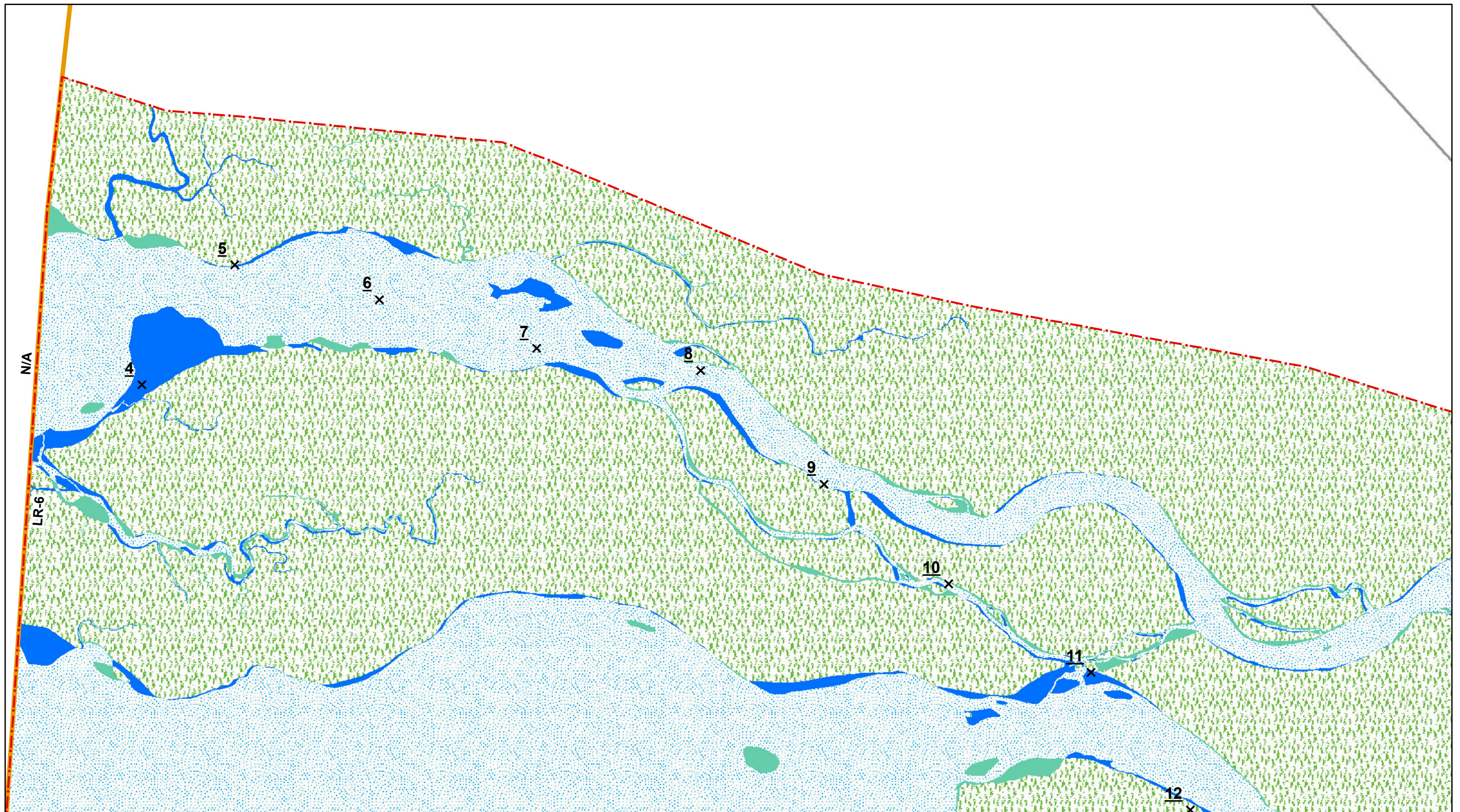
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- Channel to Floodplain
- Channel in both years
- Floodplain in both years

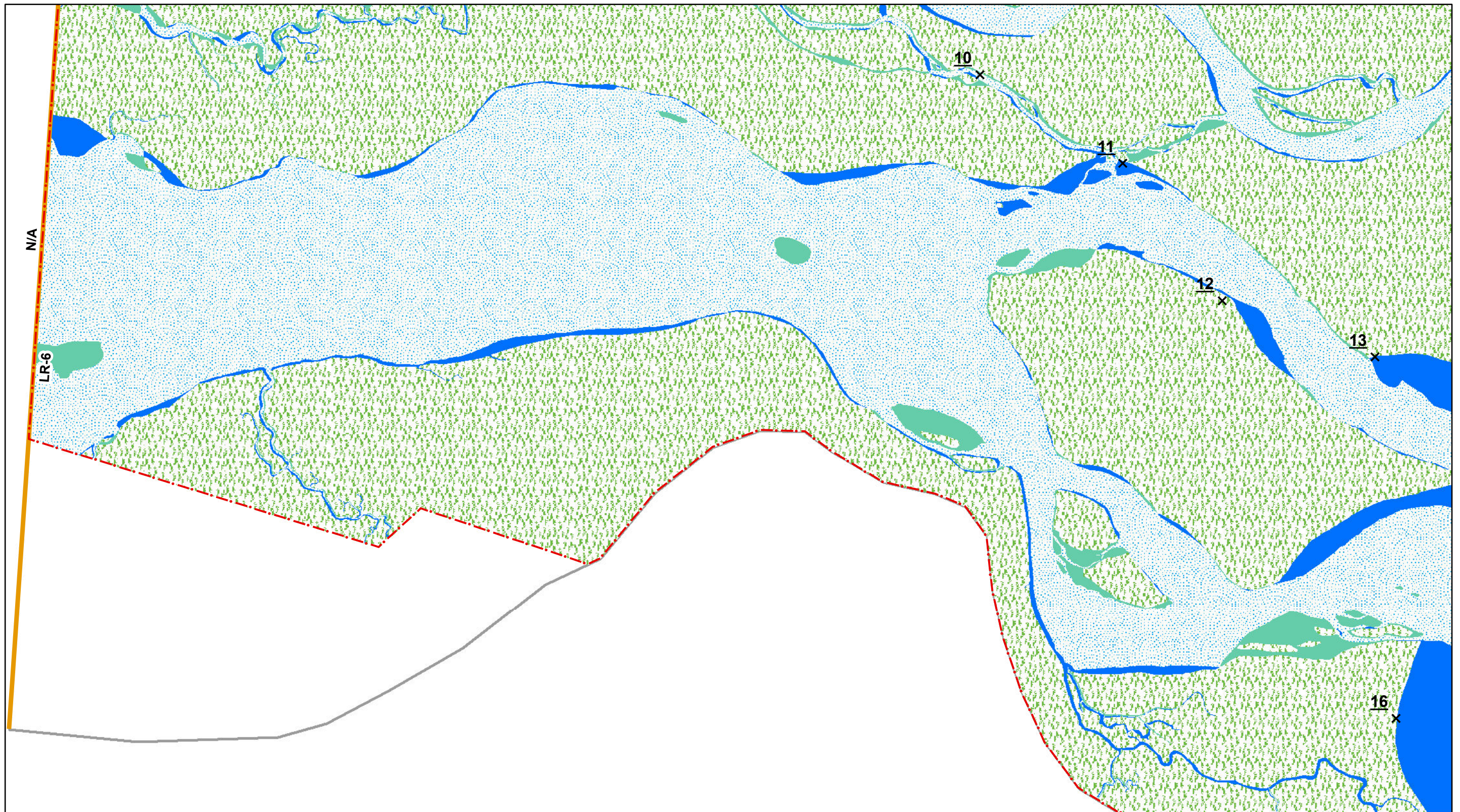
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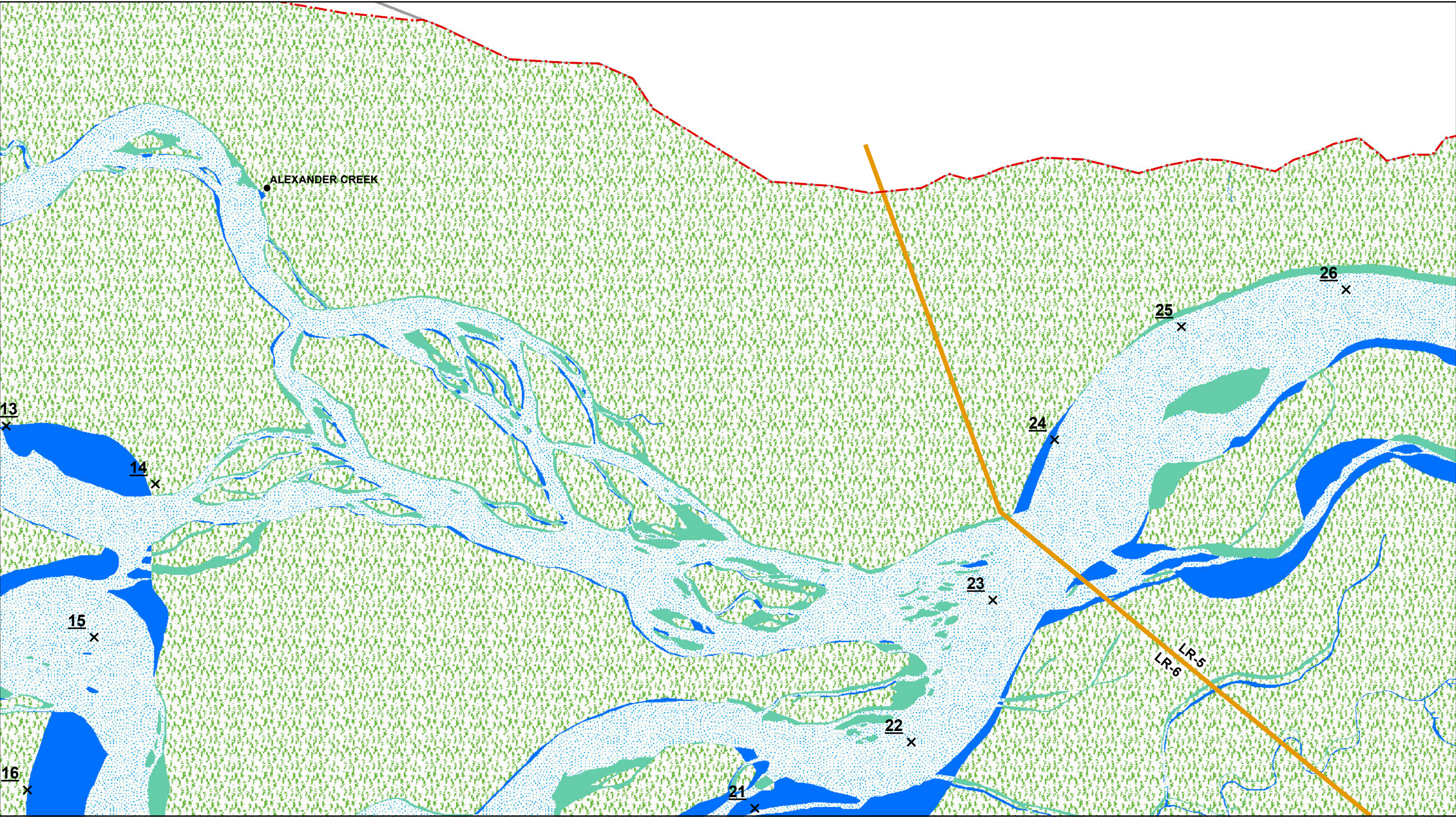


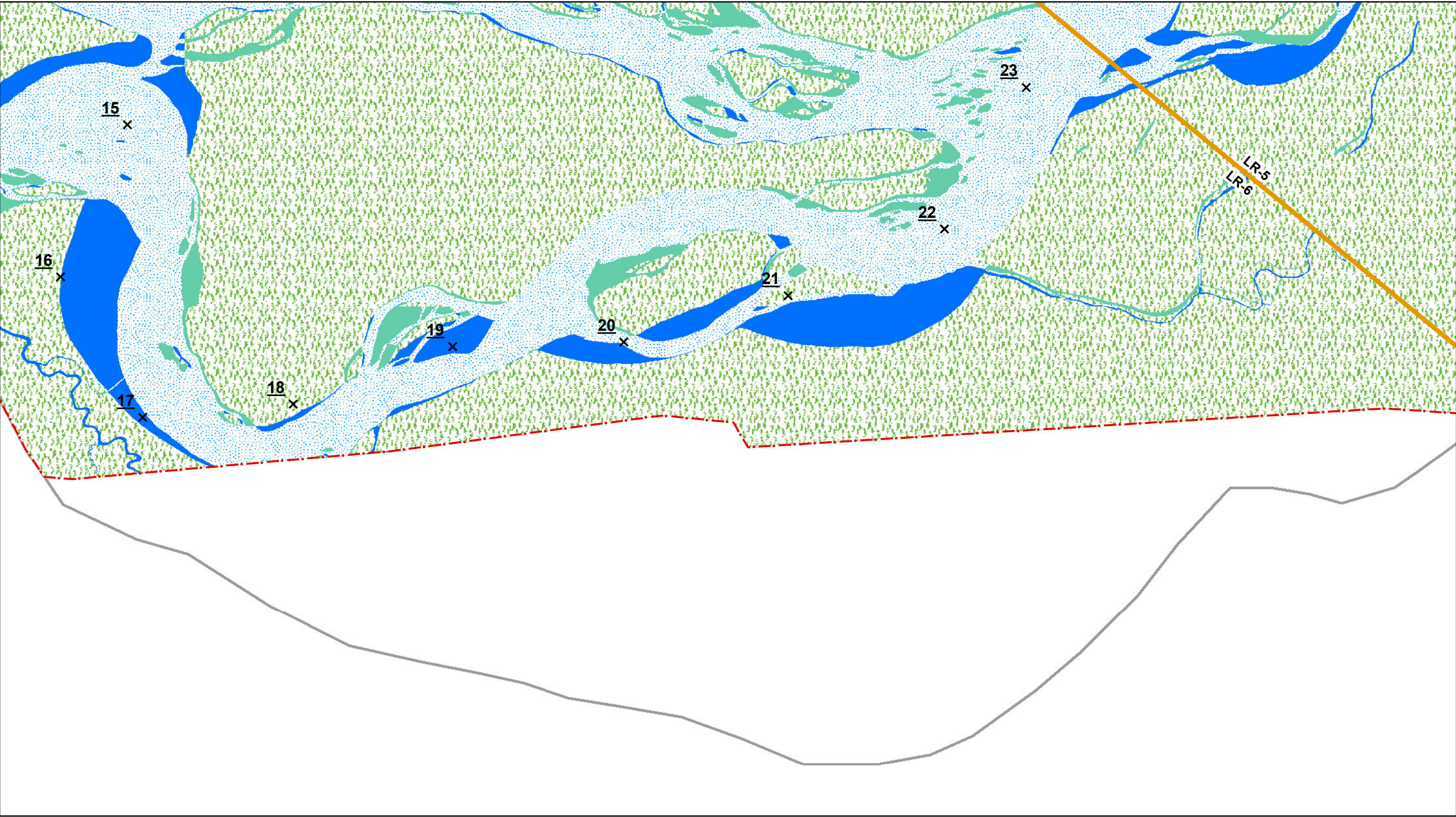
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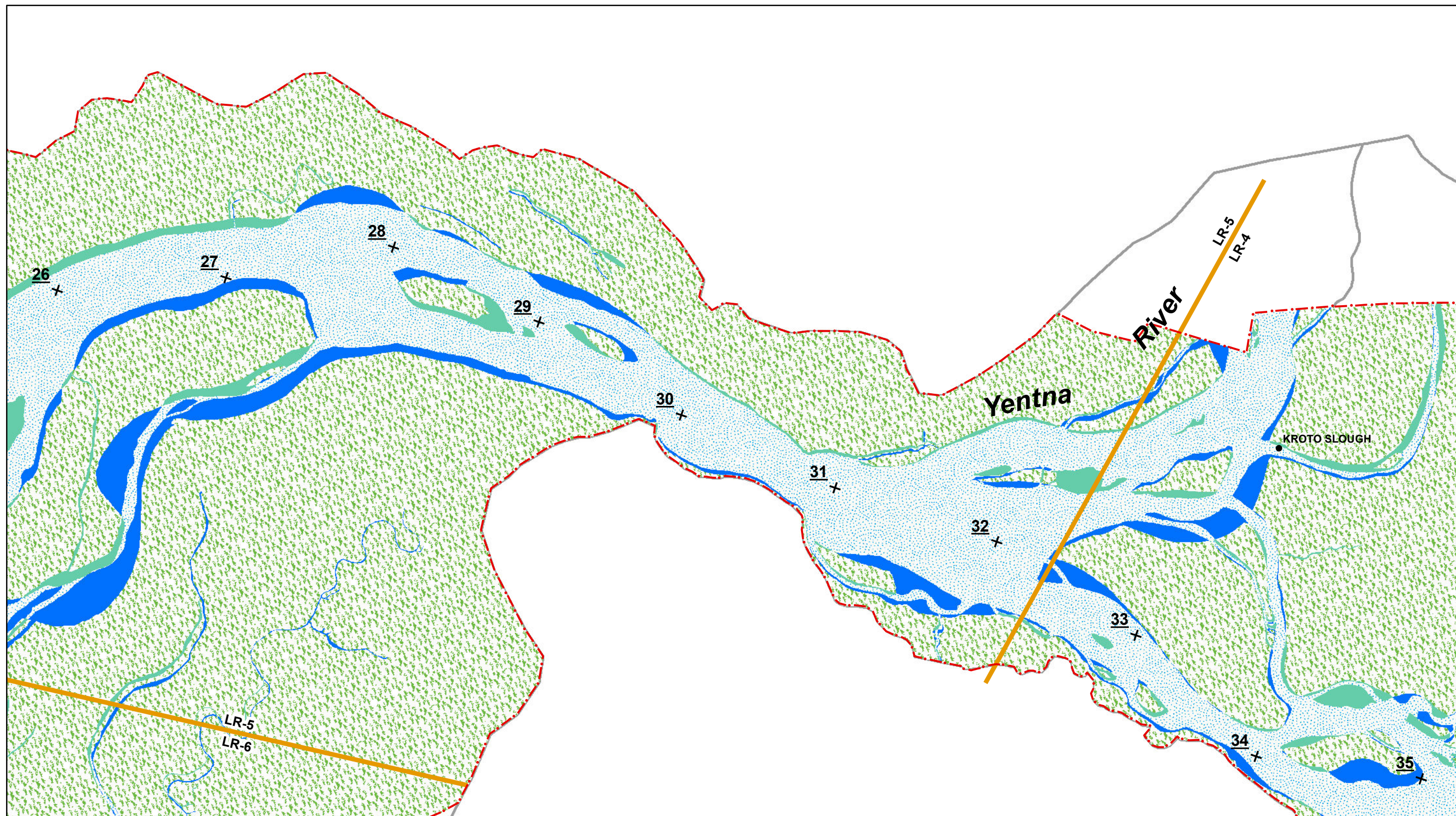










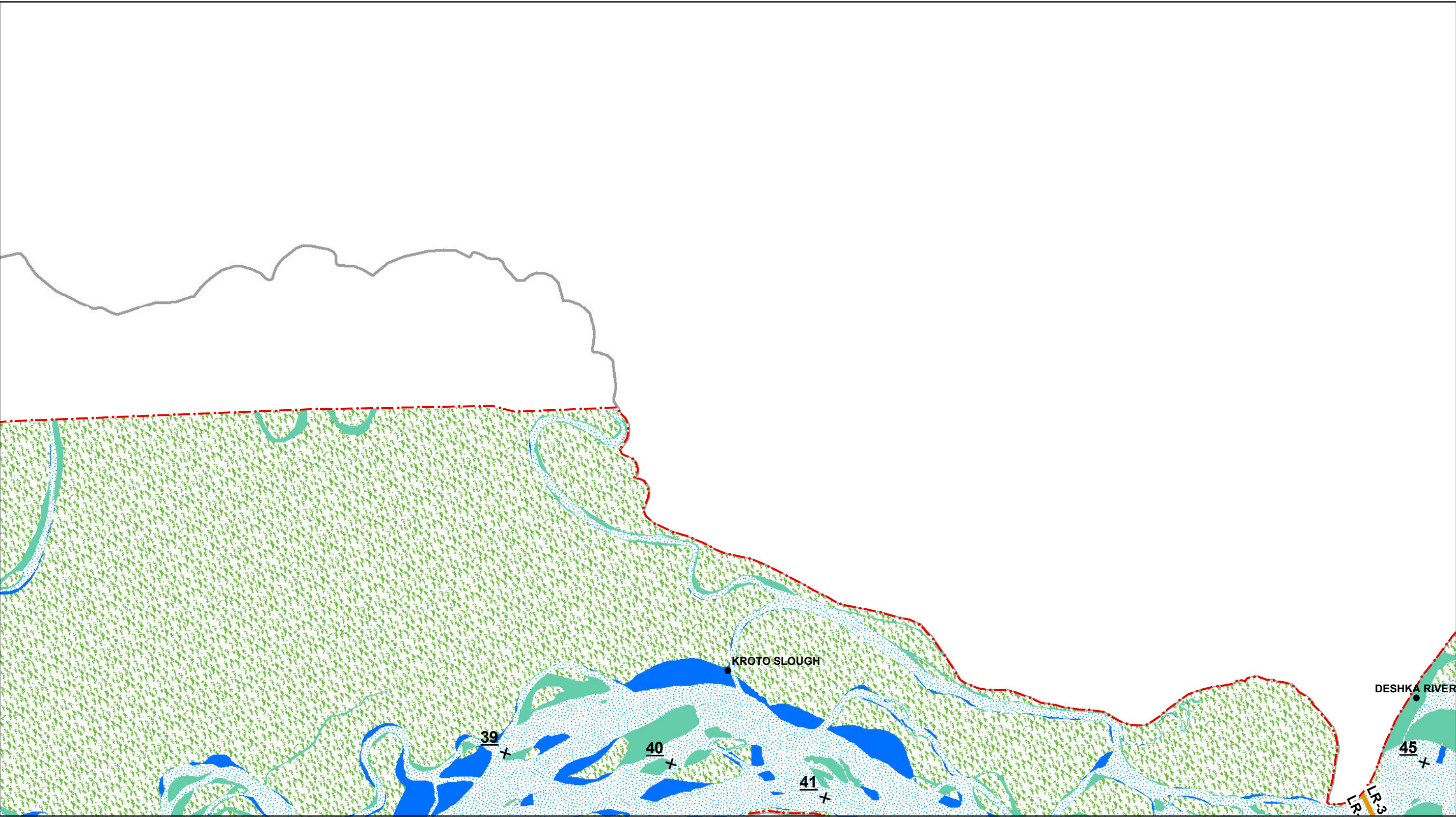


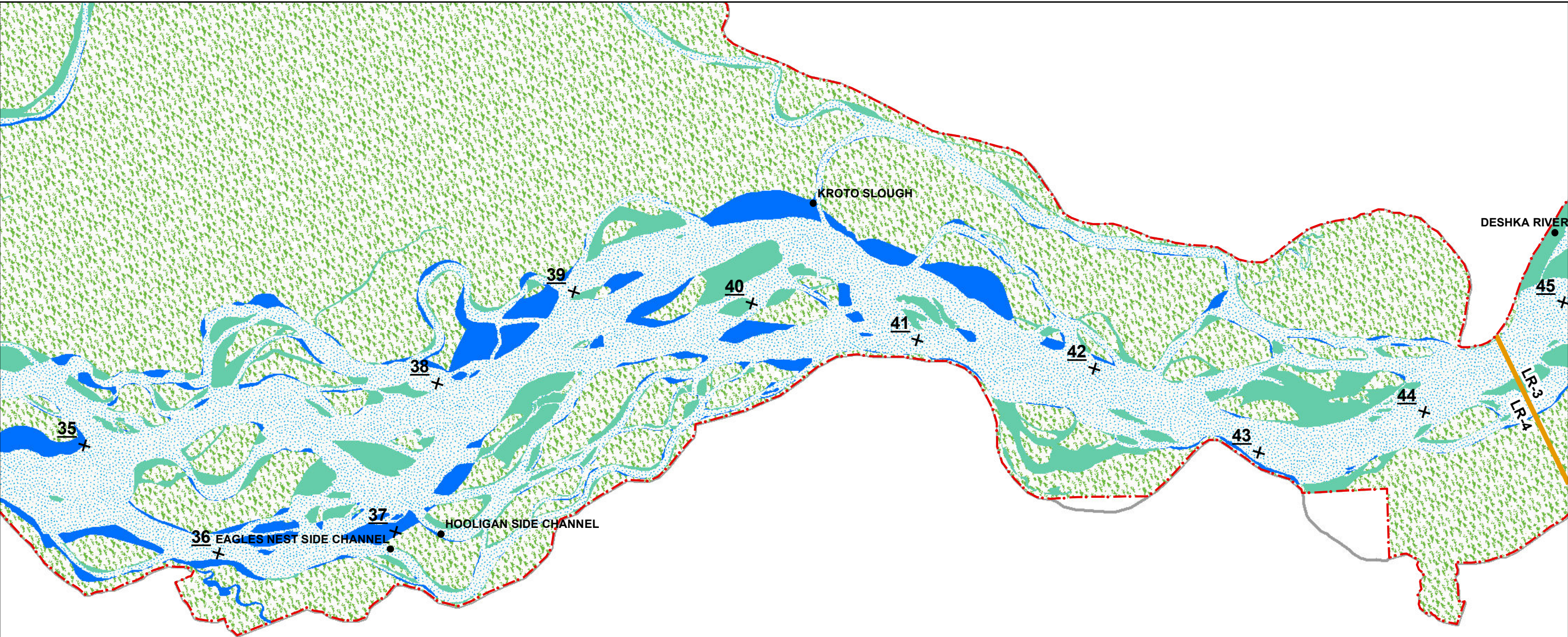
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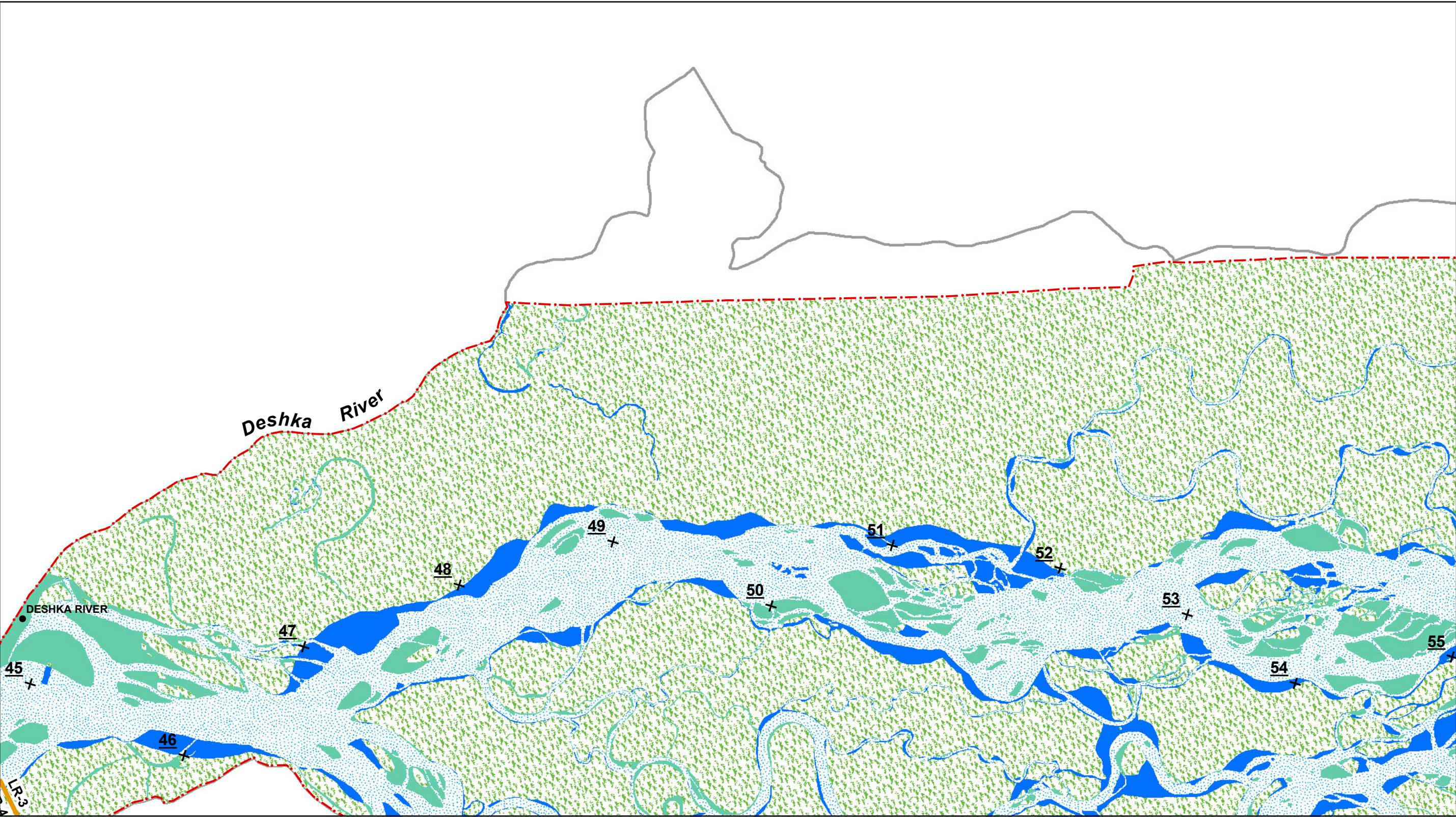
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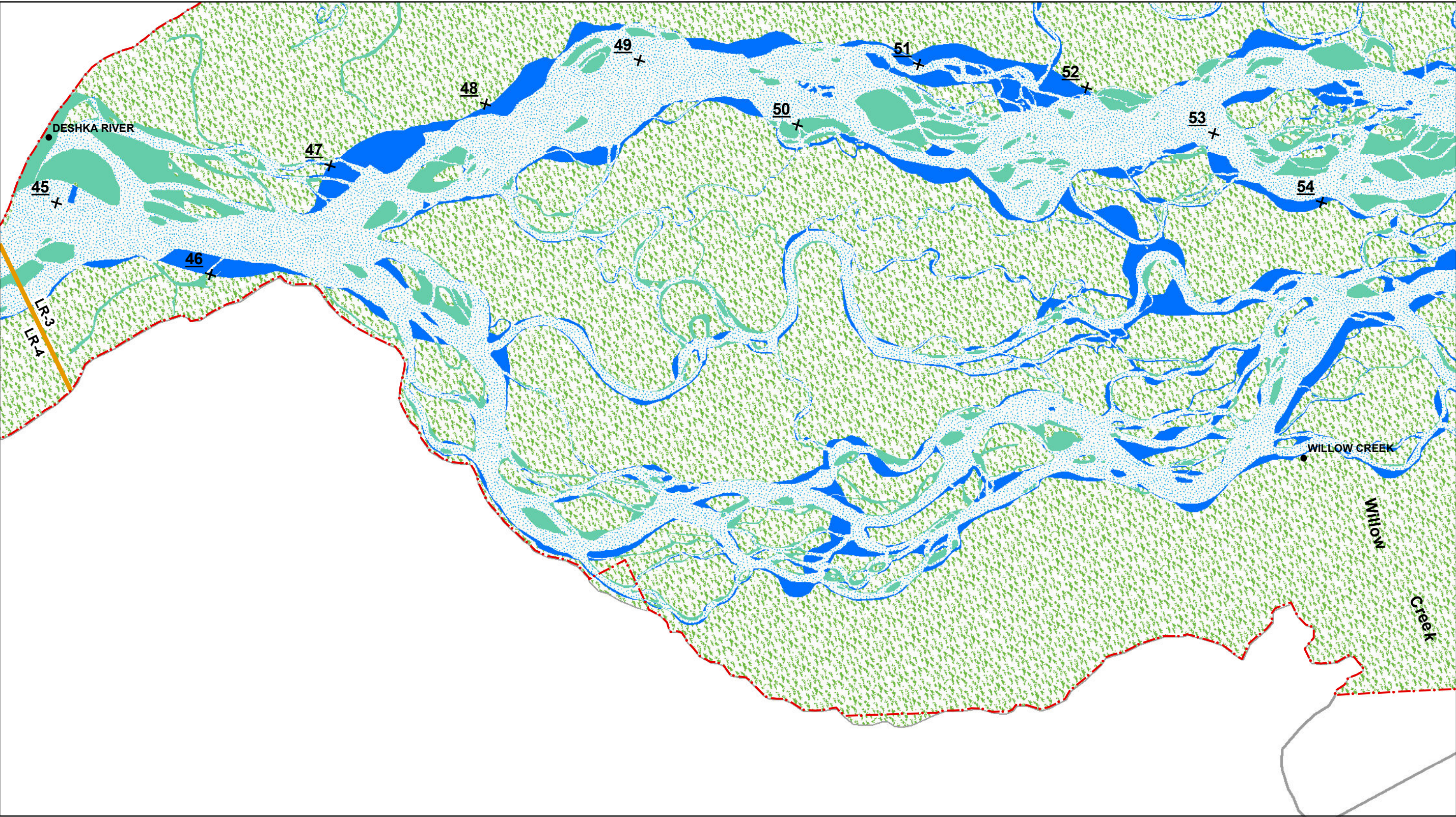
LOWER SUSITNA RIVER SEGMENT
1950s to 1983 TURNOVER

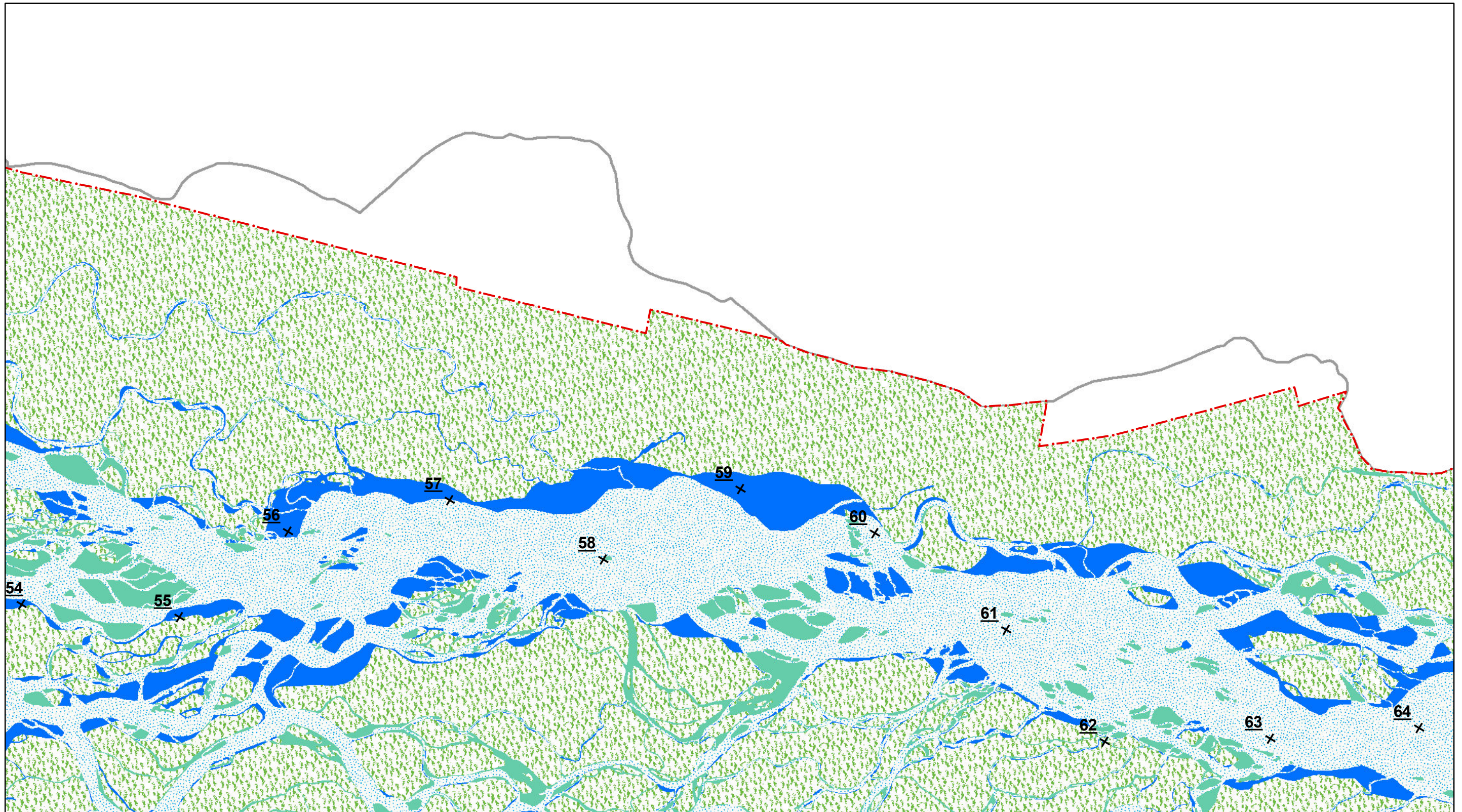












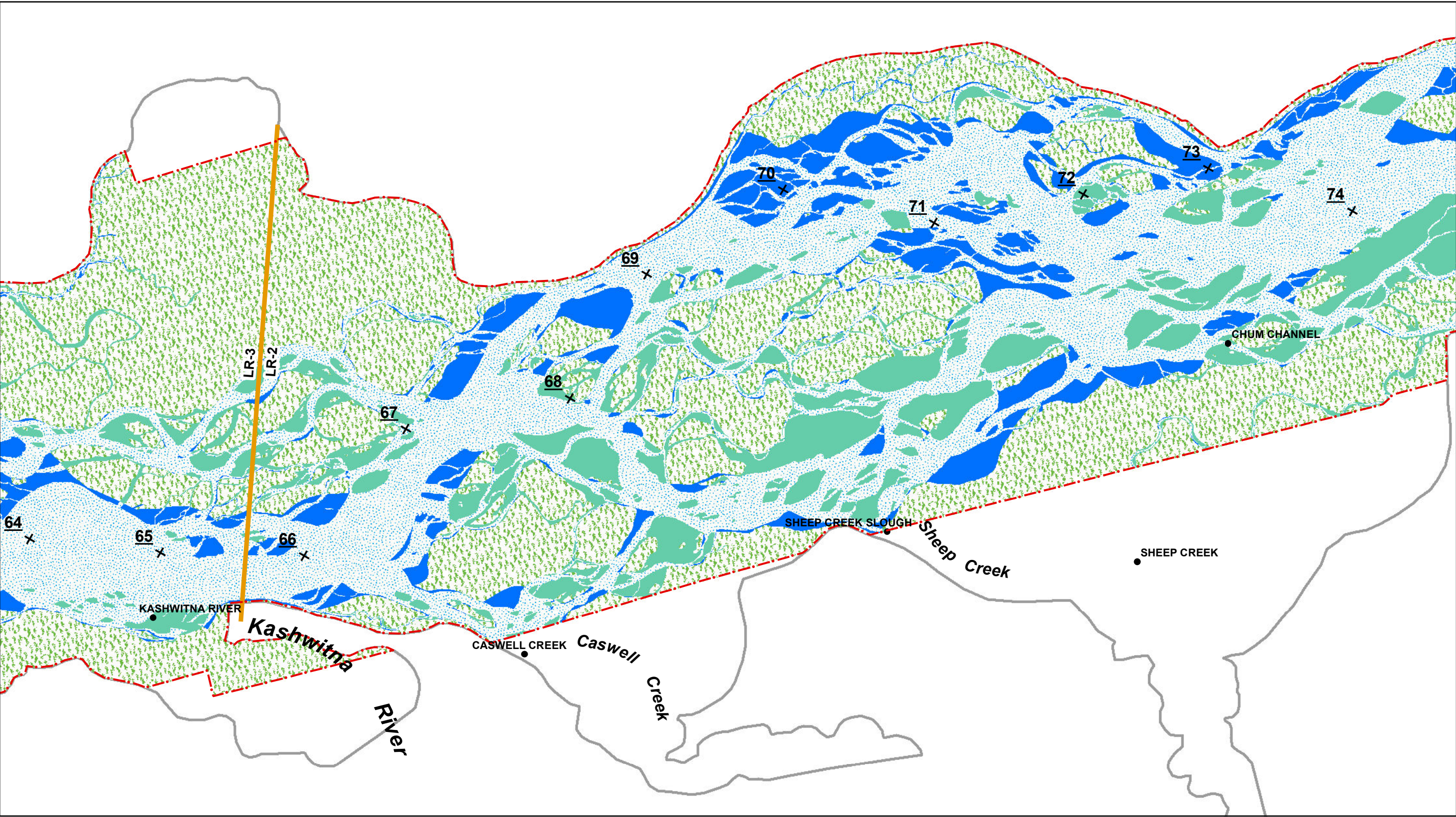
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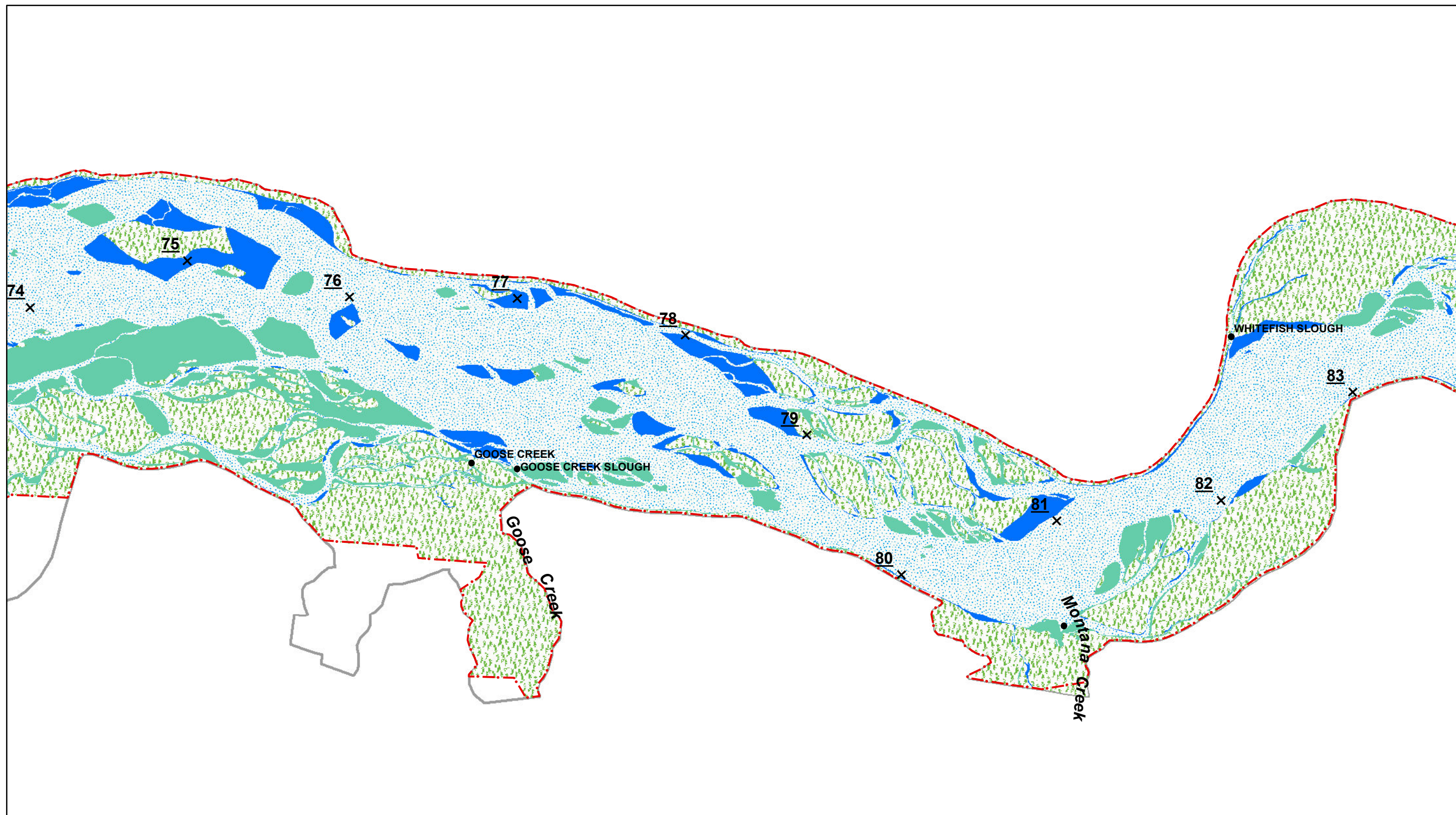
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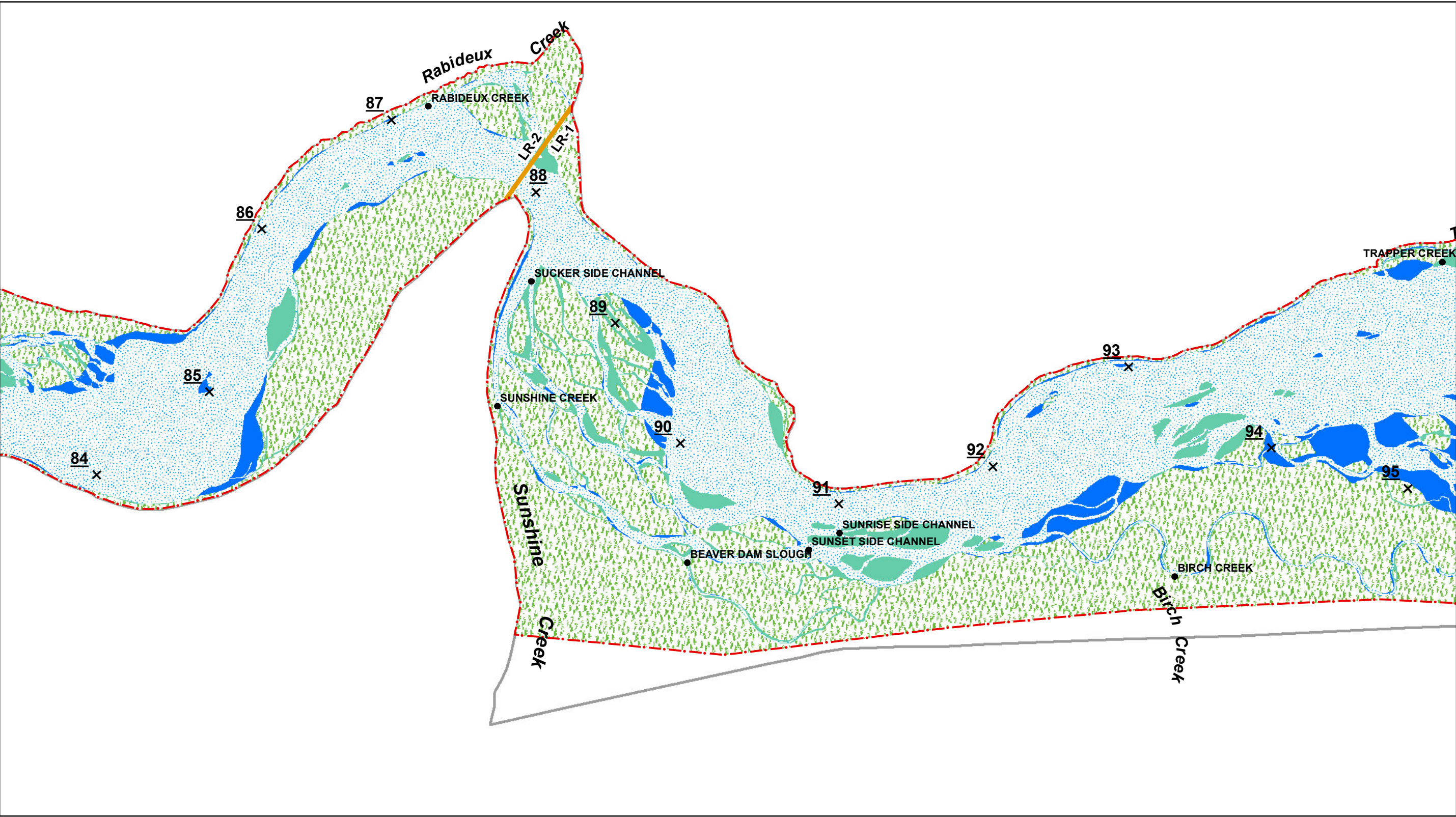
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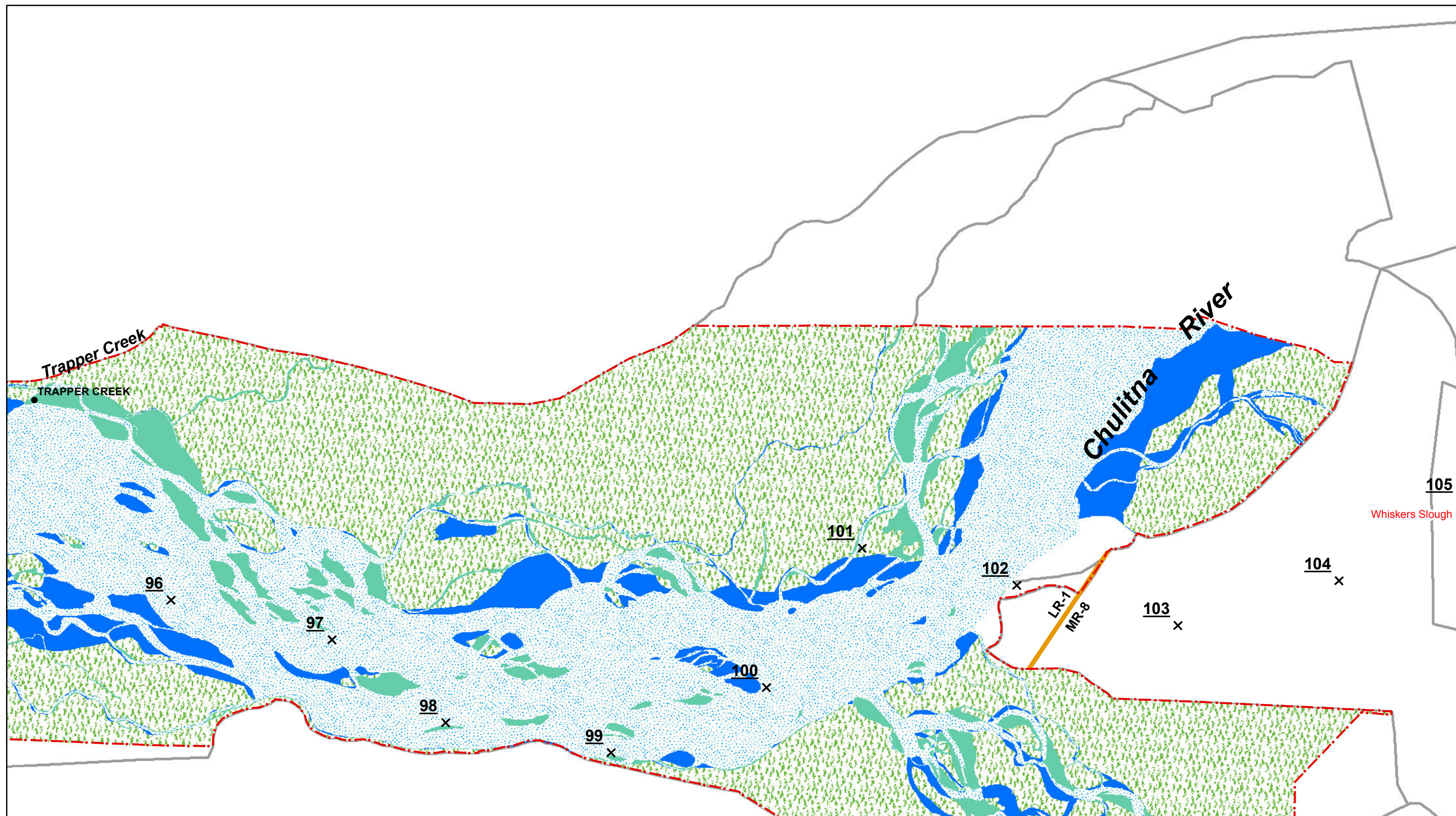


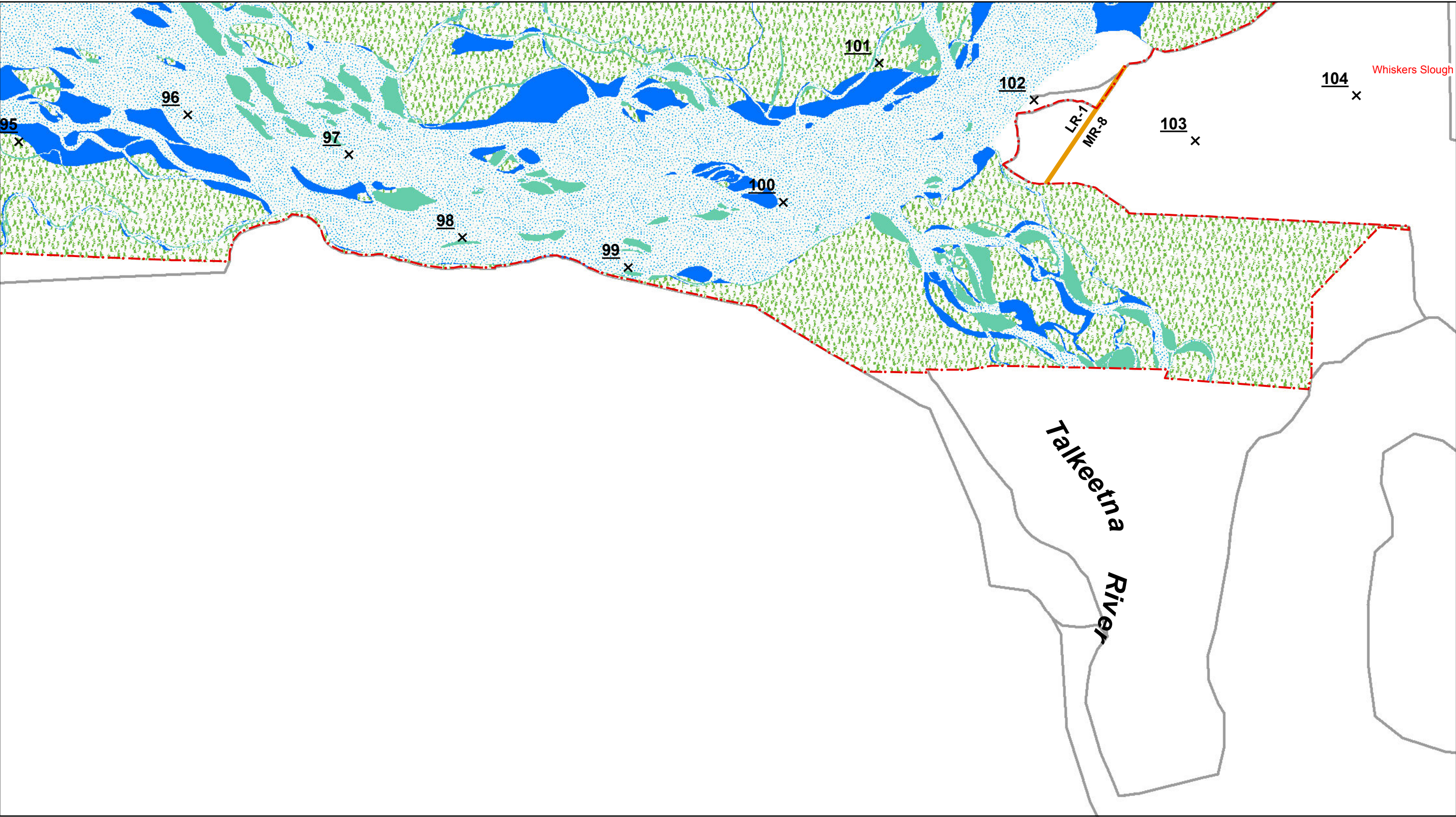


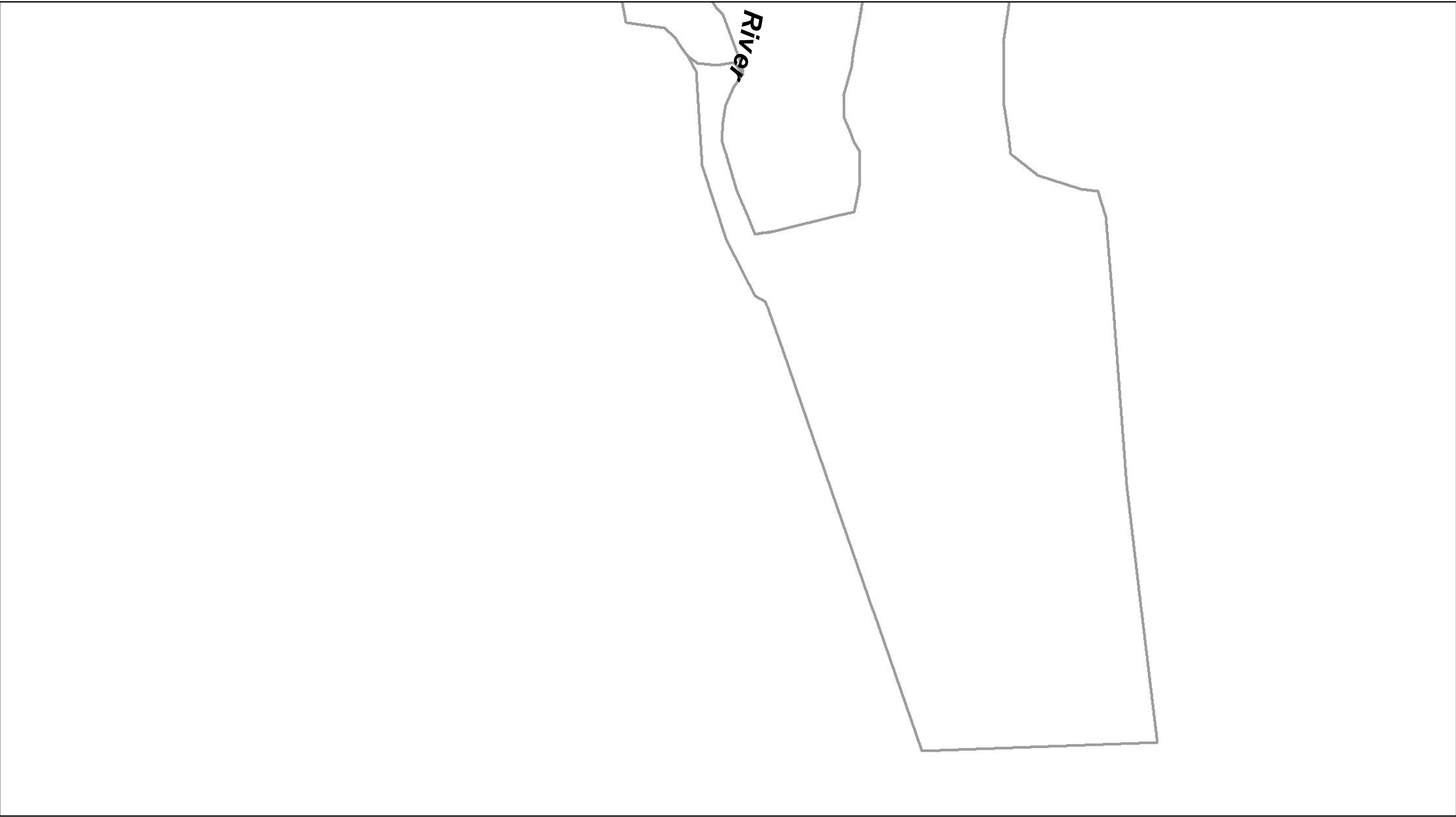


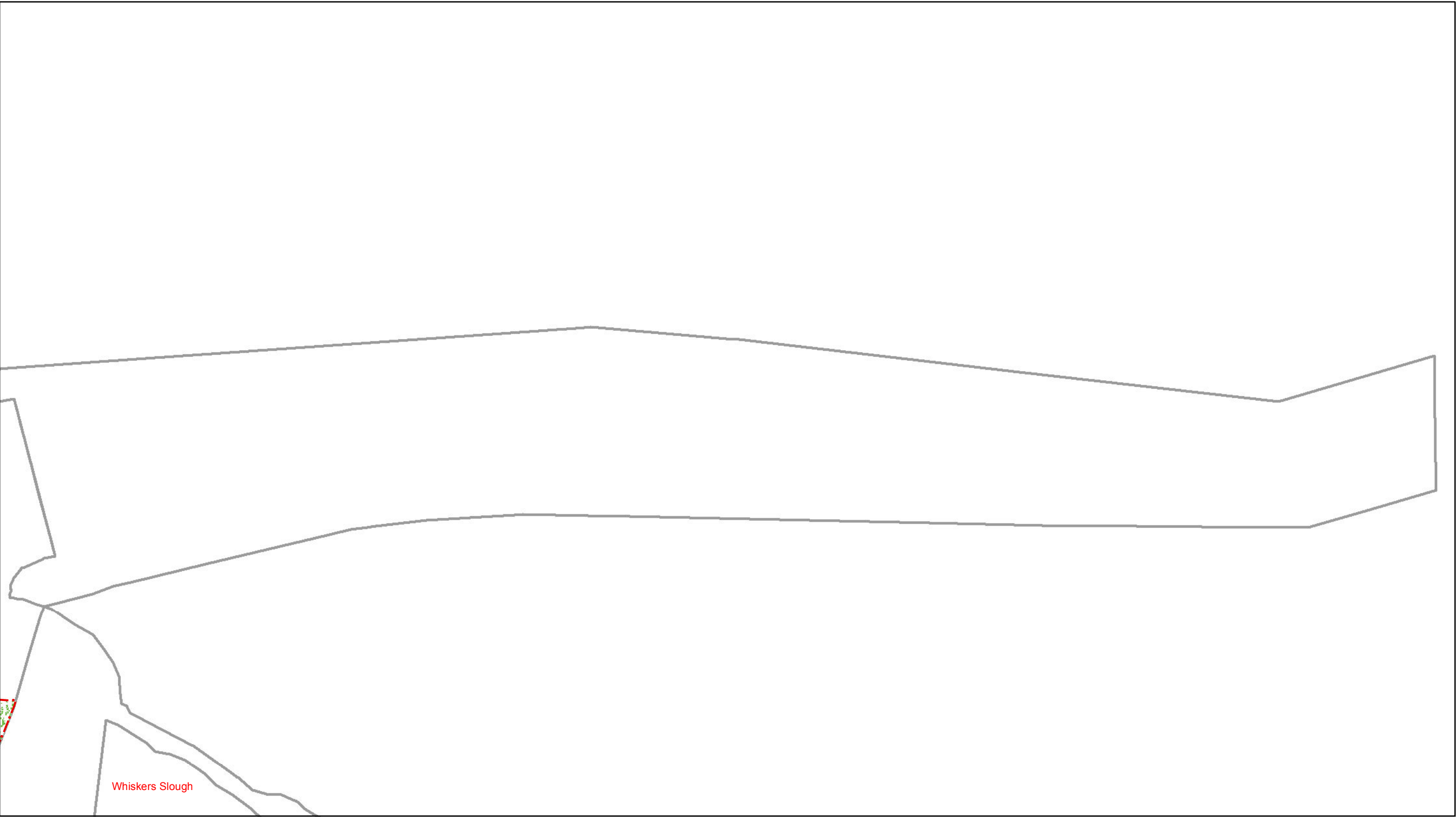












APPENDIX O. 1980s TO 2012 LOWER SUSITNA RIVER SEGMENT TURNOVER

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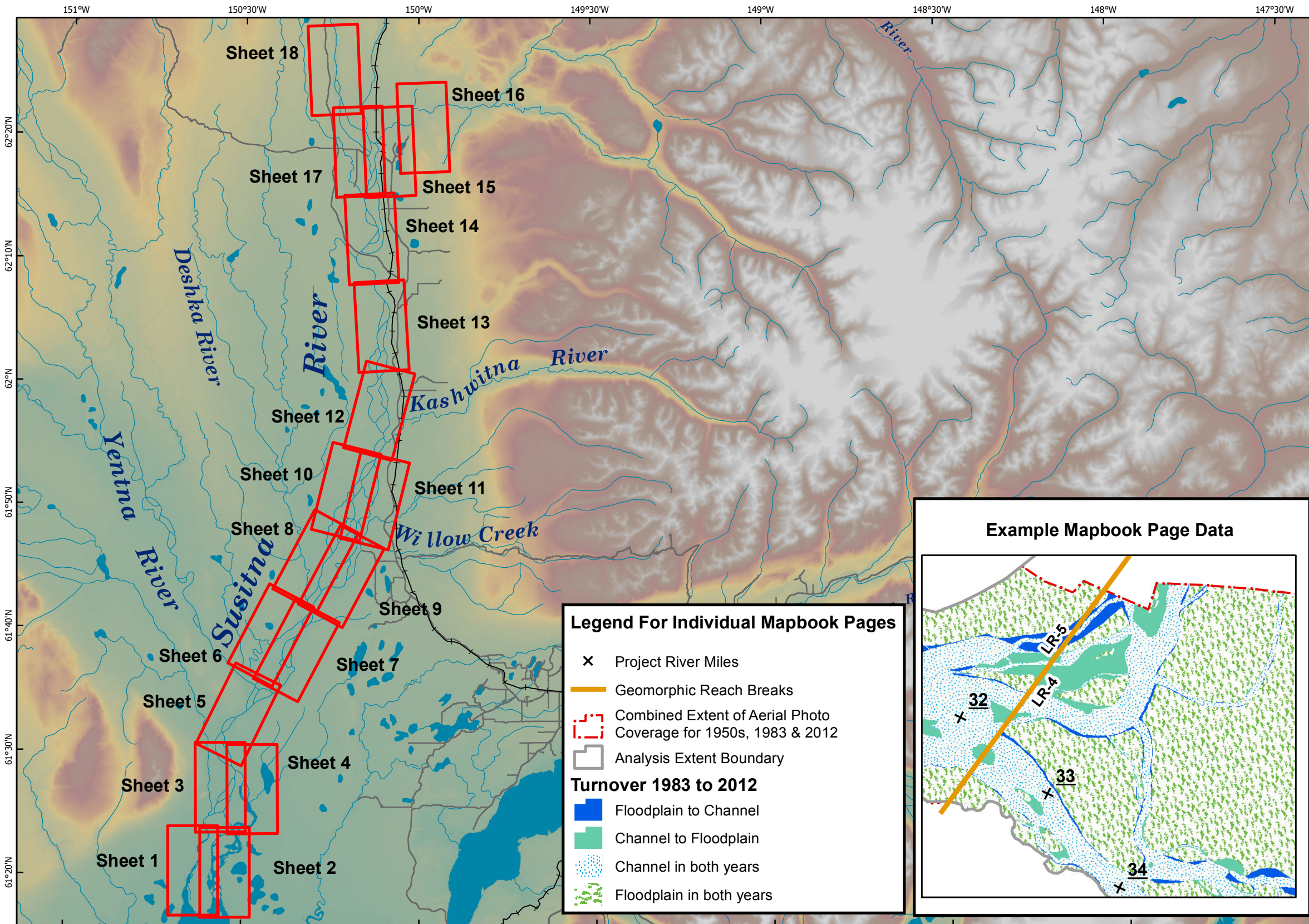
Alaska Energy Authority



Prepared by

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September 2014



LOWER SUSITNA RIVER SEGMENT TURNOVER ANALYSIS 1983 - 2012

Legend

- Sheet Extents
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Data Sources: See Map References

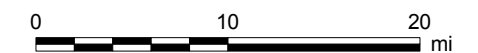
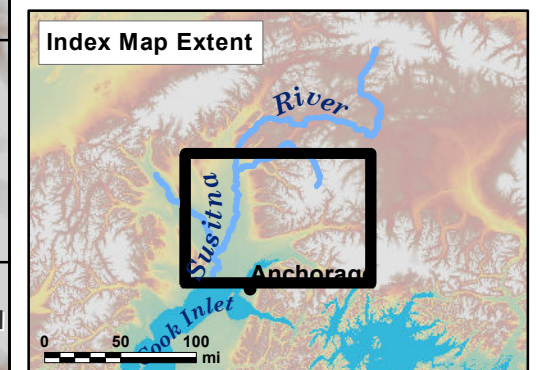
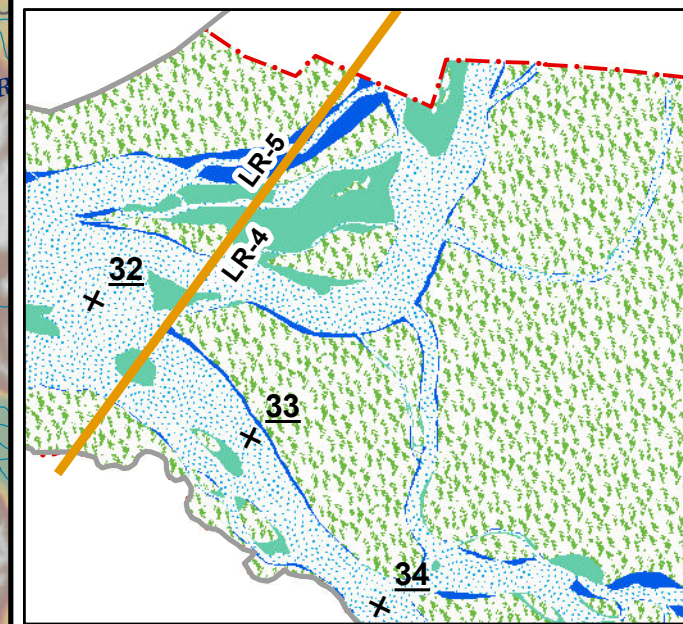
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- Geomorphic Reach Breaks
- Combined Extent of Aerial Photo Coverage for 1950s, 1983 & 2012
- Analysis Extent Boundary

Turnover 1983 to 2012

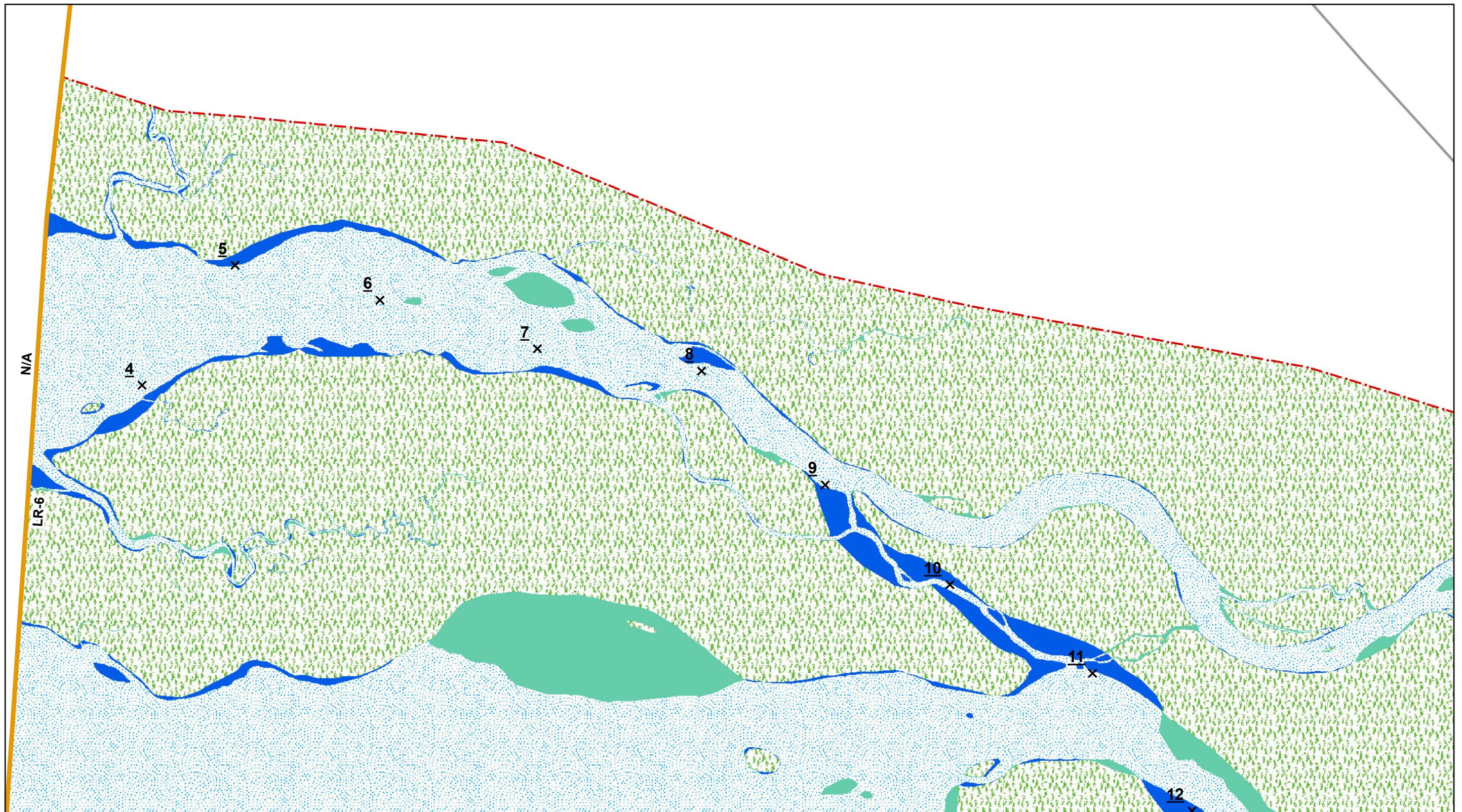
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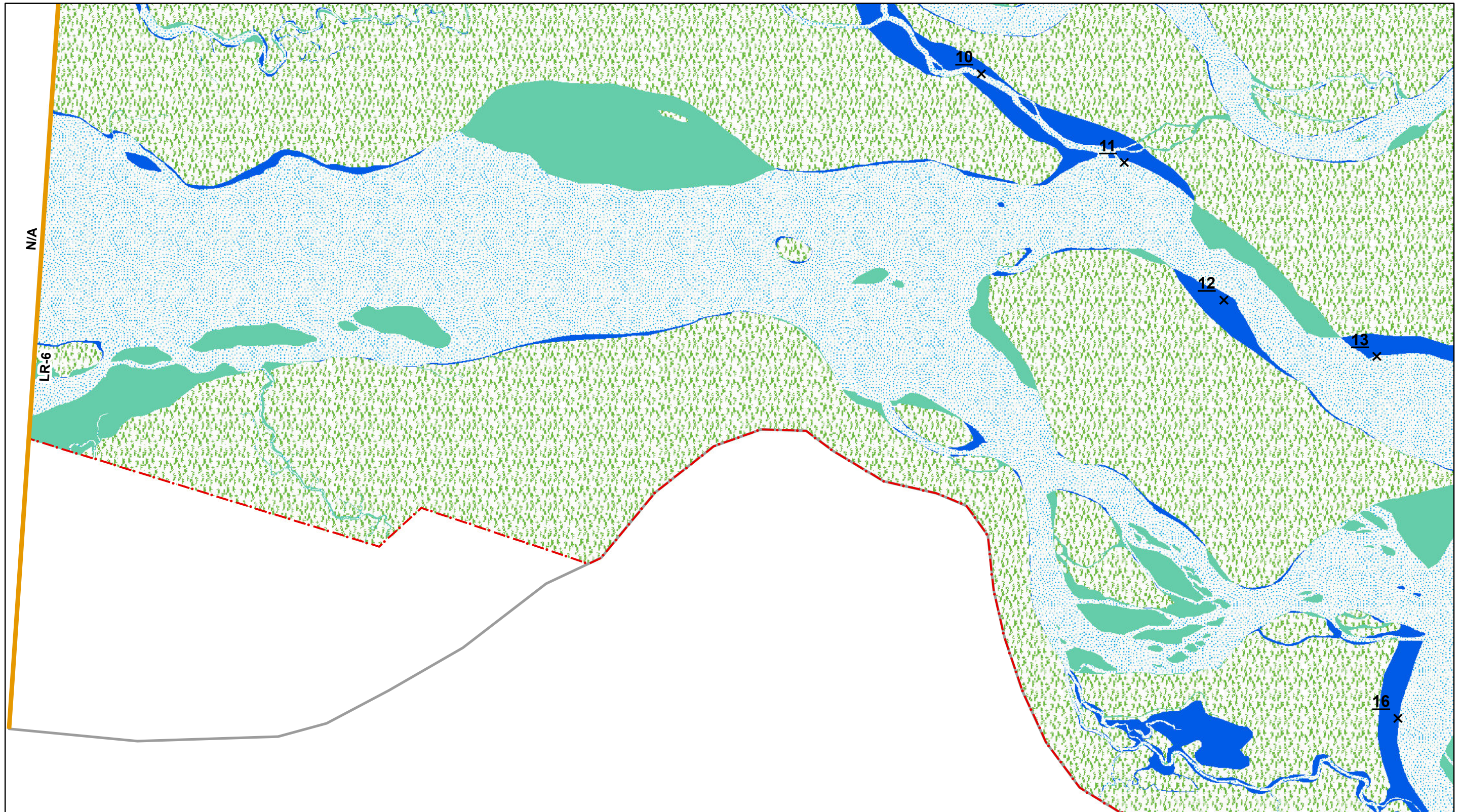
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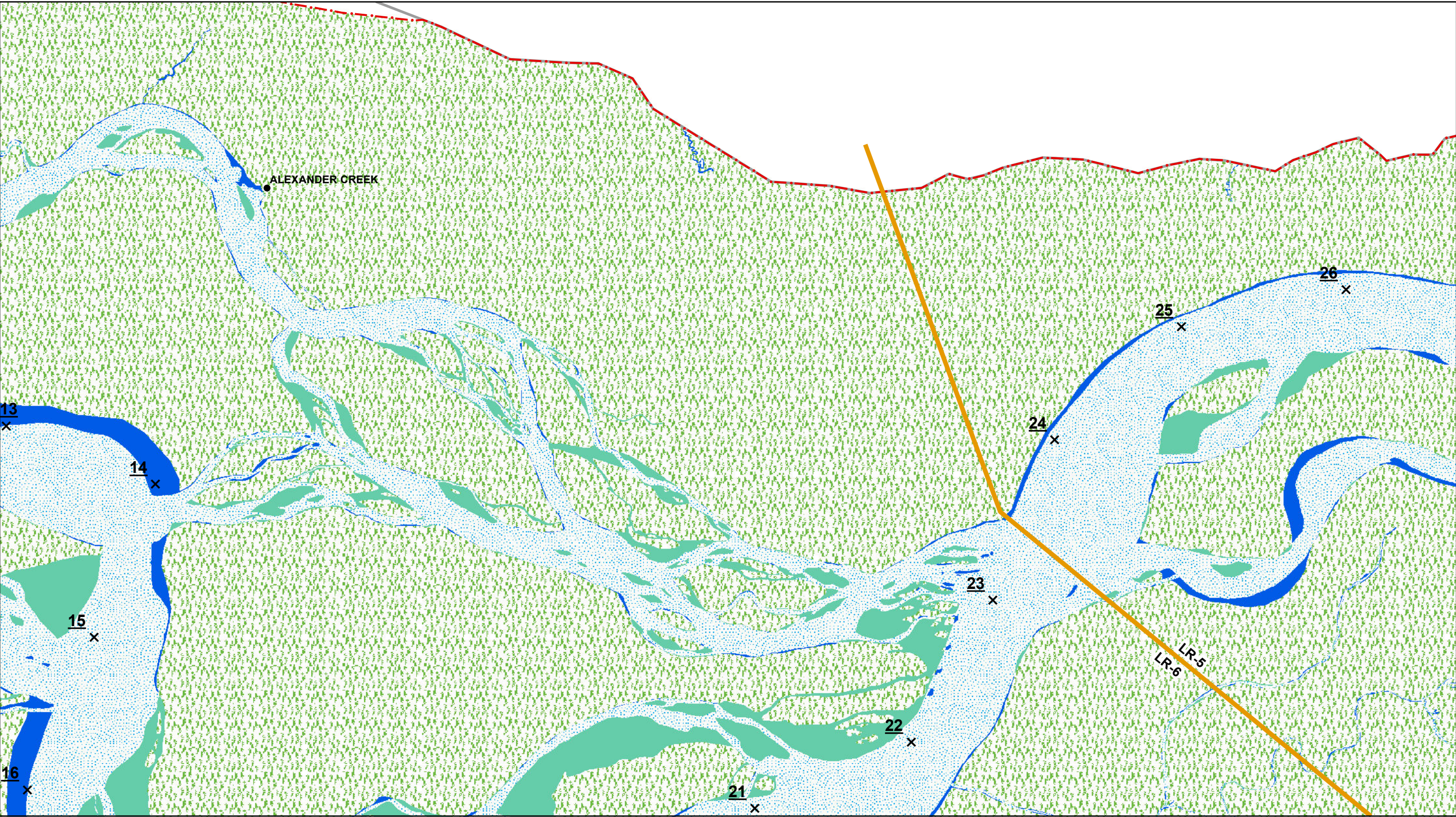


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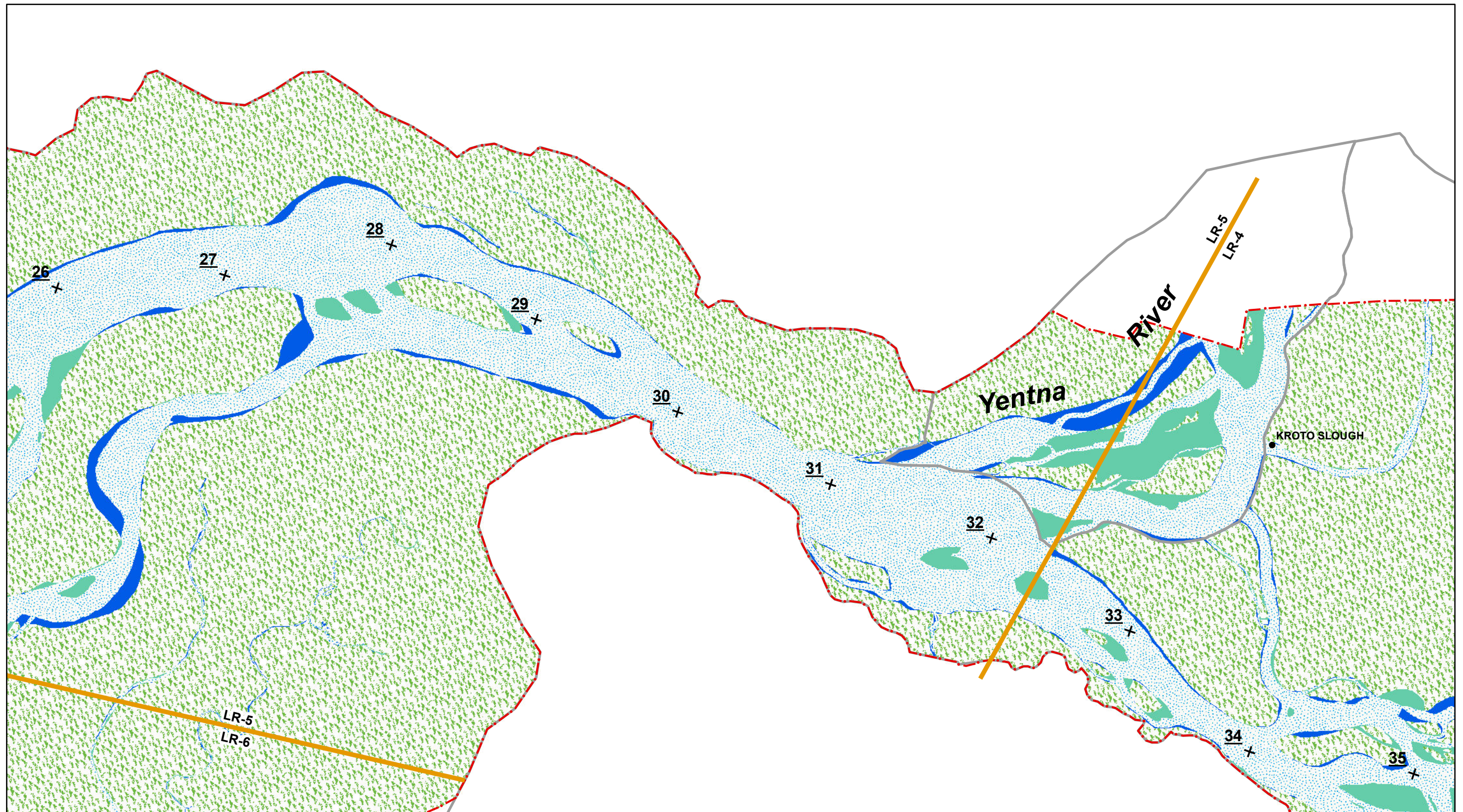










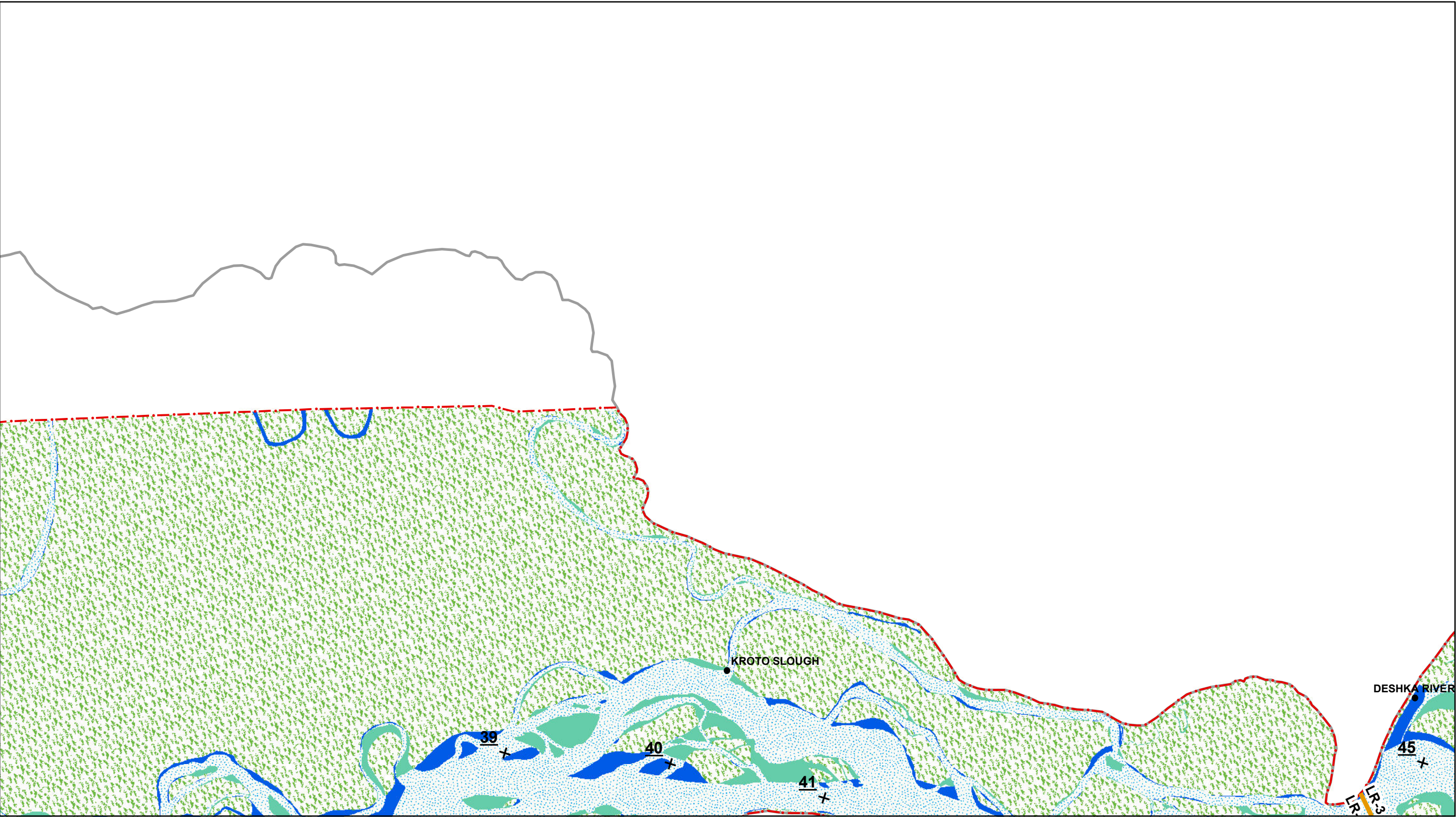


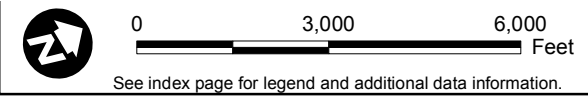
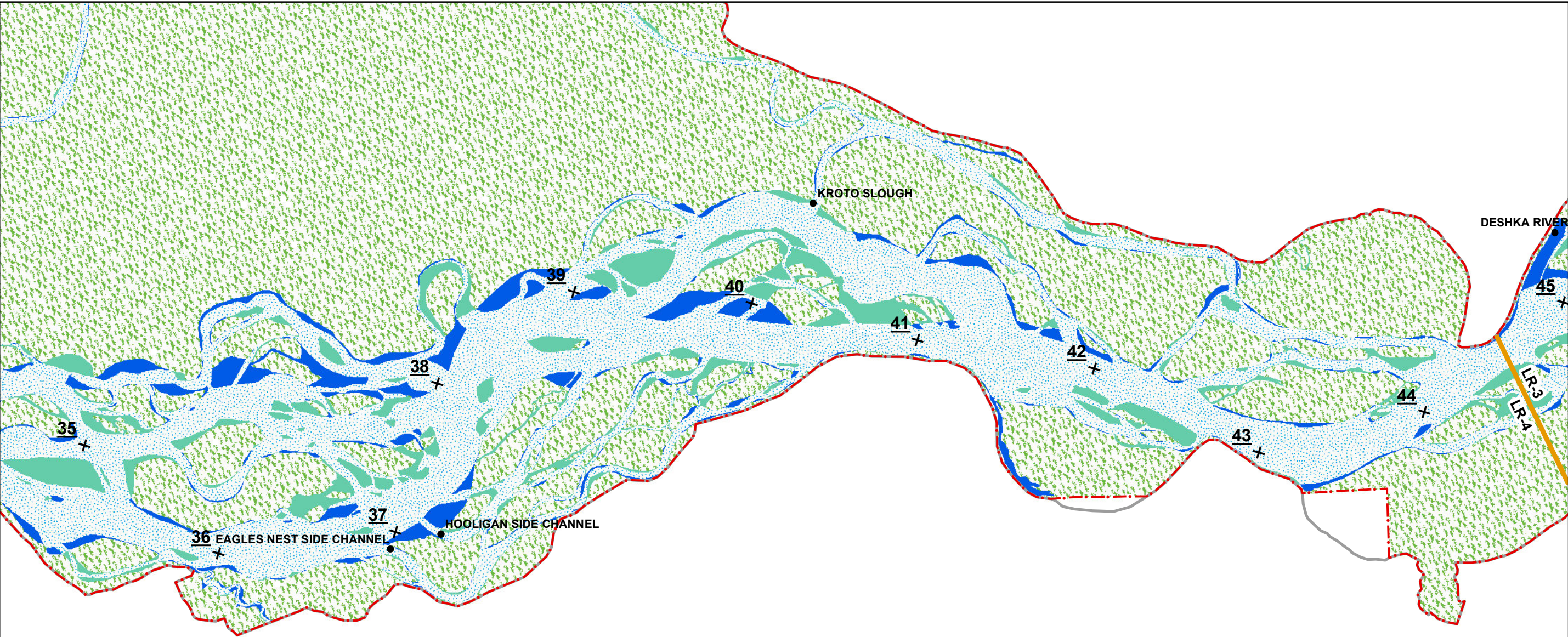
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LOWER SUSITNA RIVER SEGMENT
1983 to 2012 TURNOVER

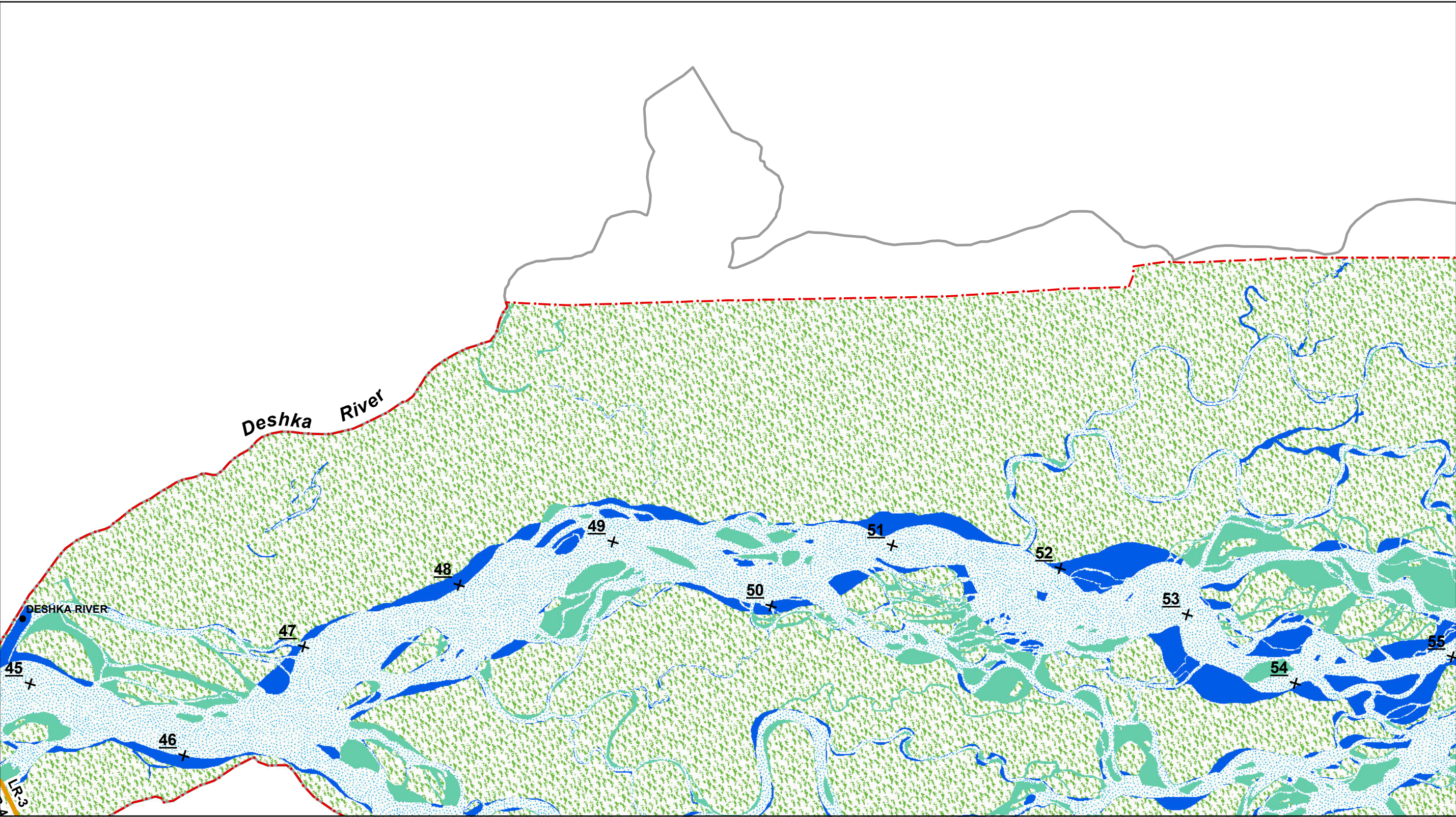


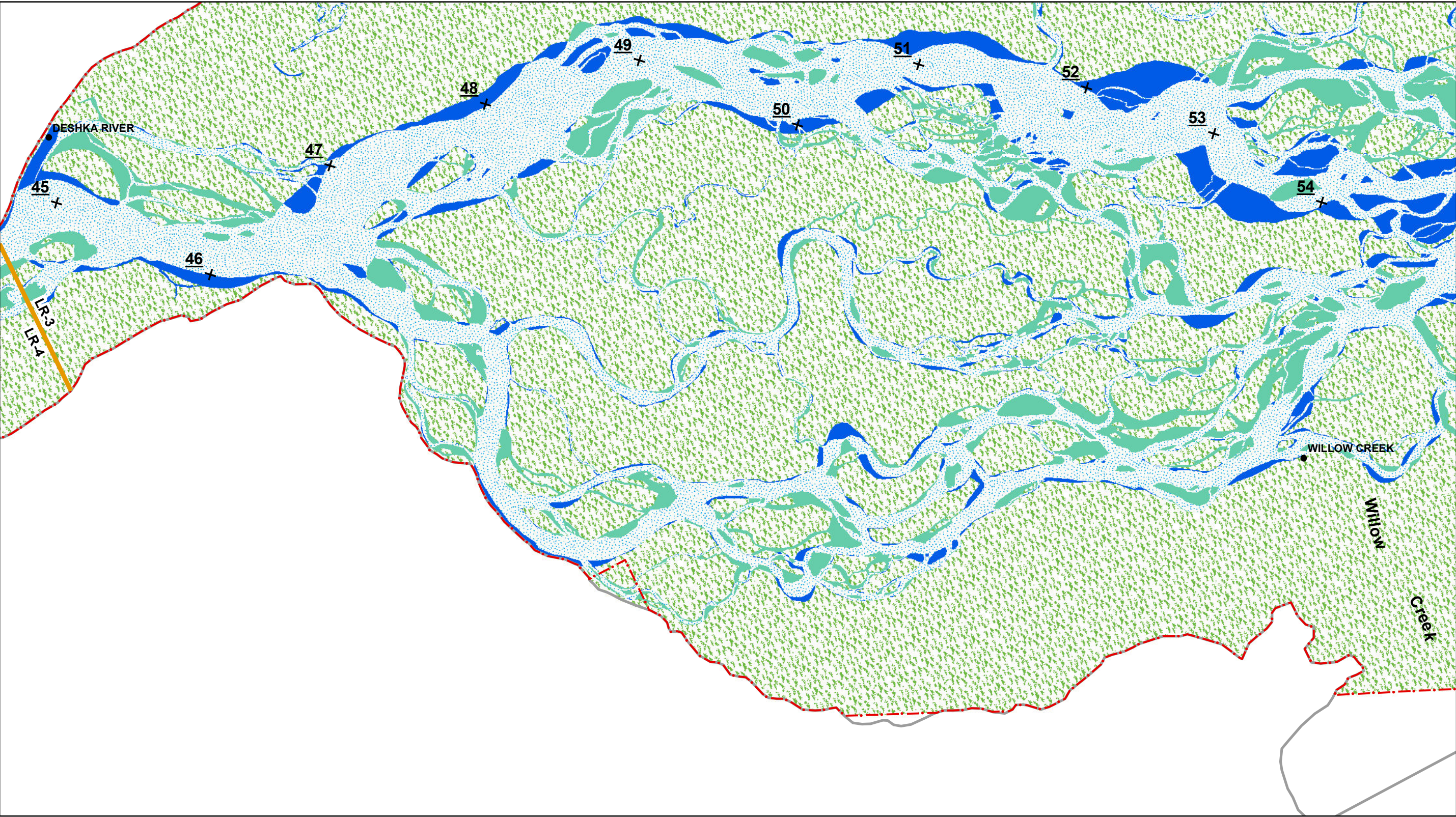


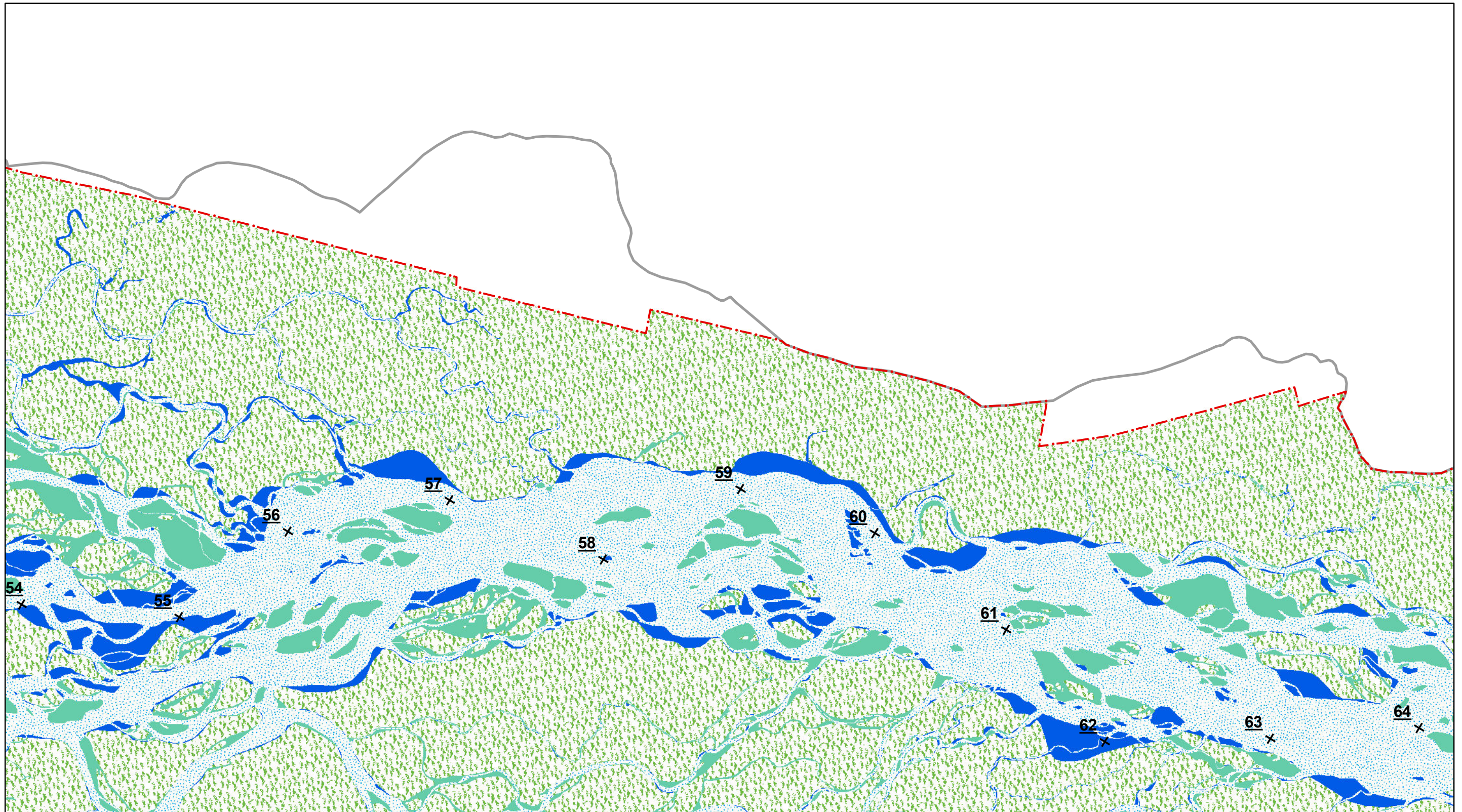


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1983 to 2012 TURNOVER







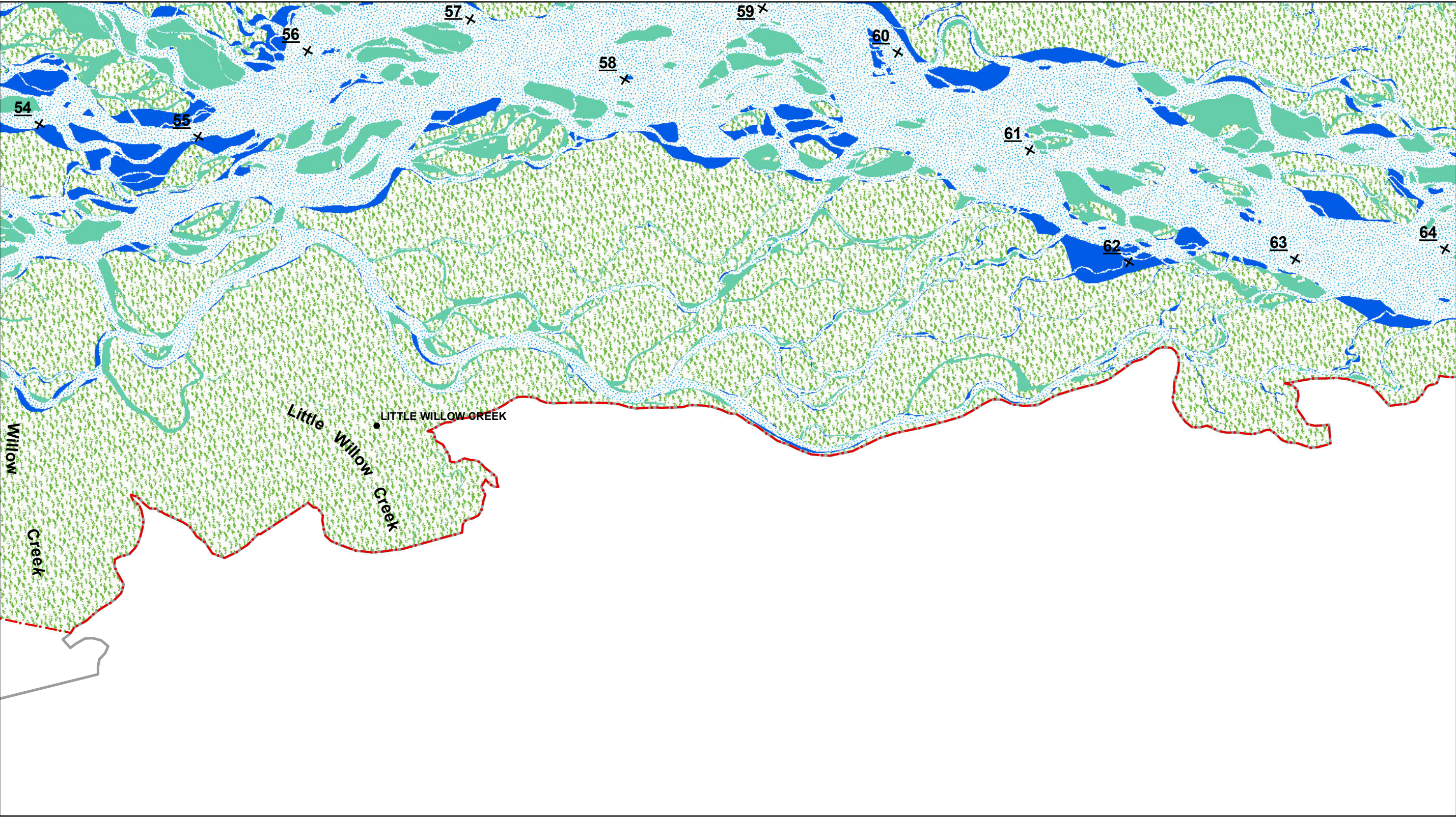


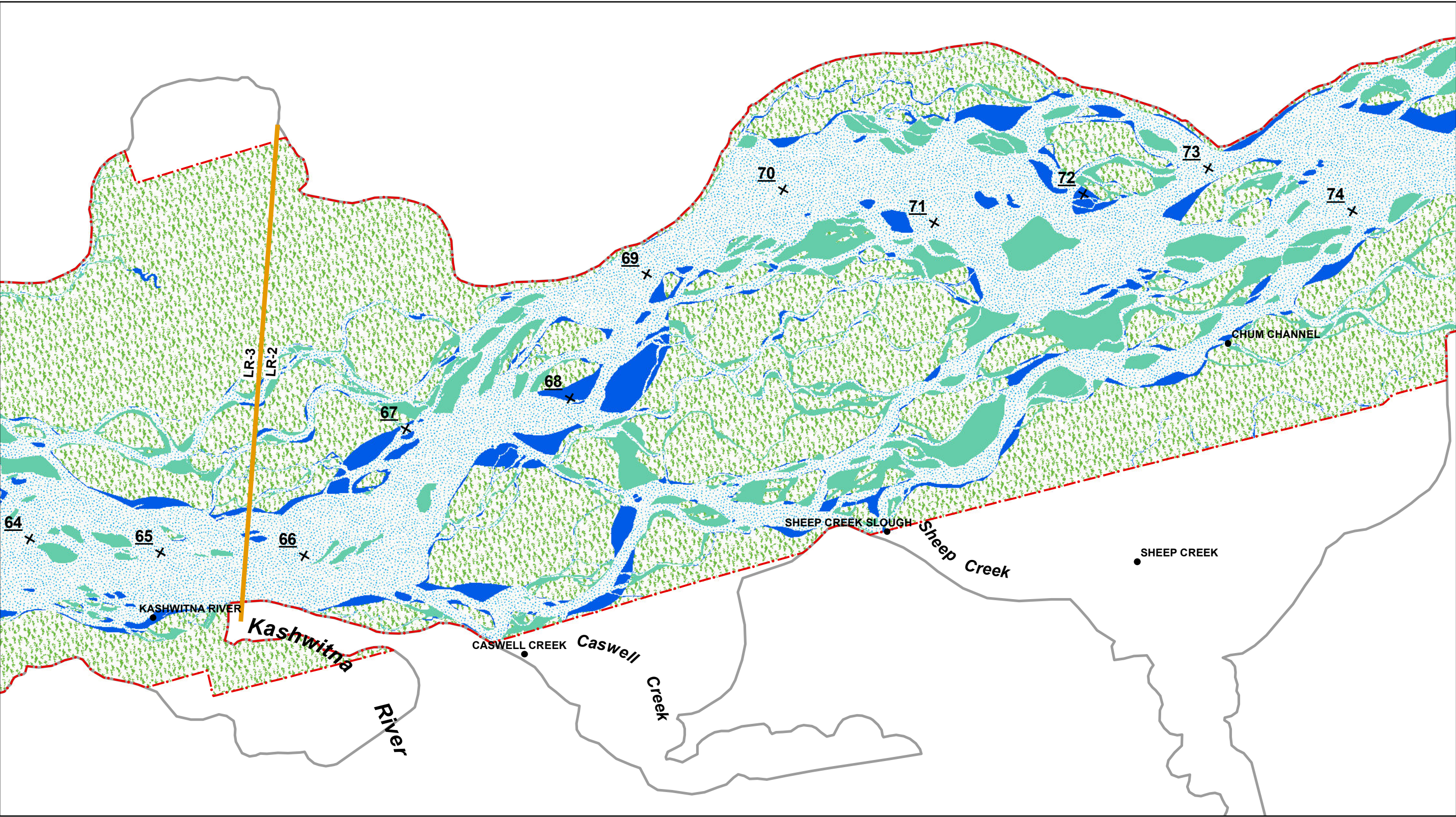
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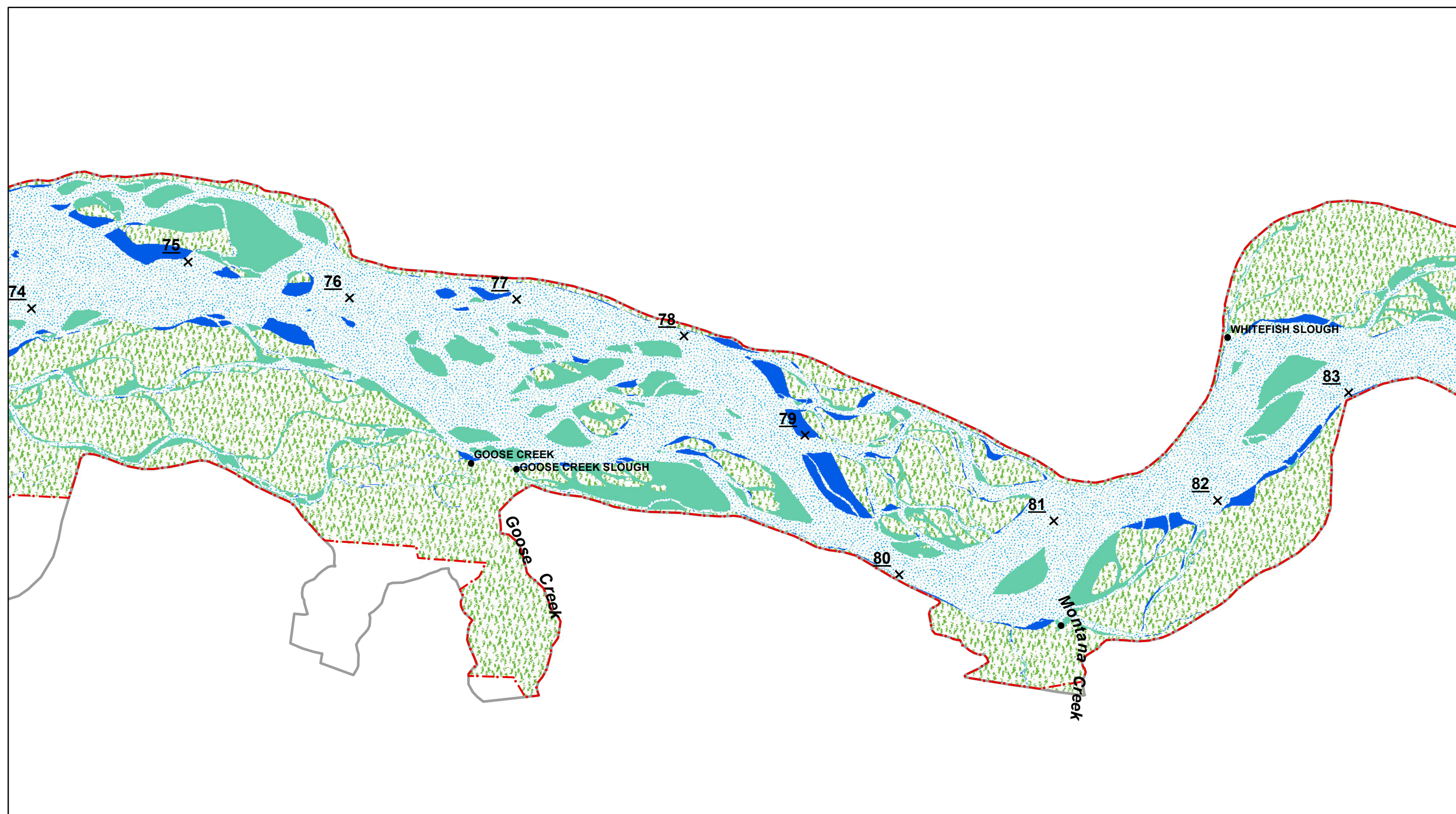
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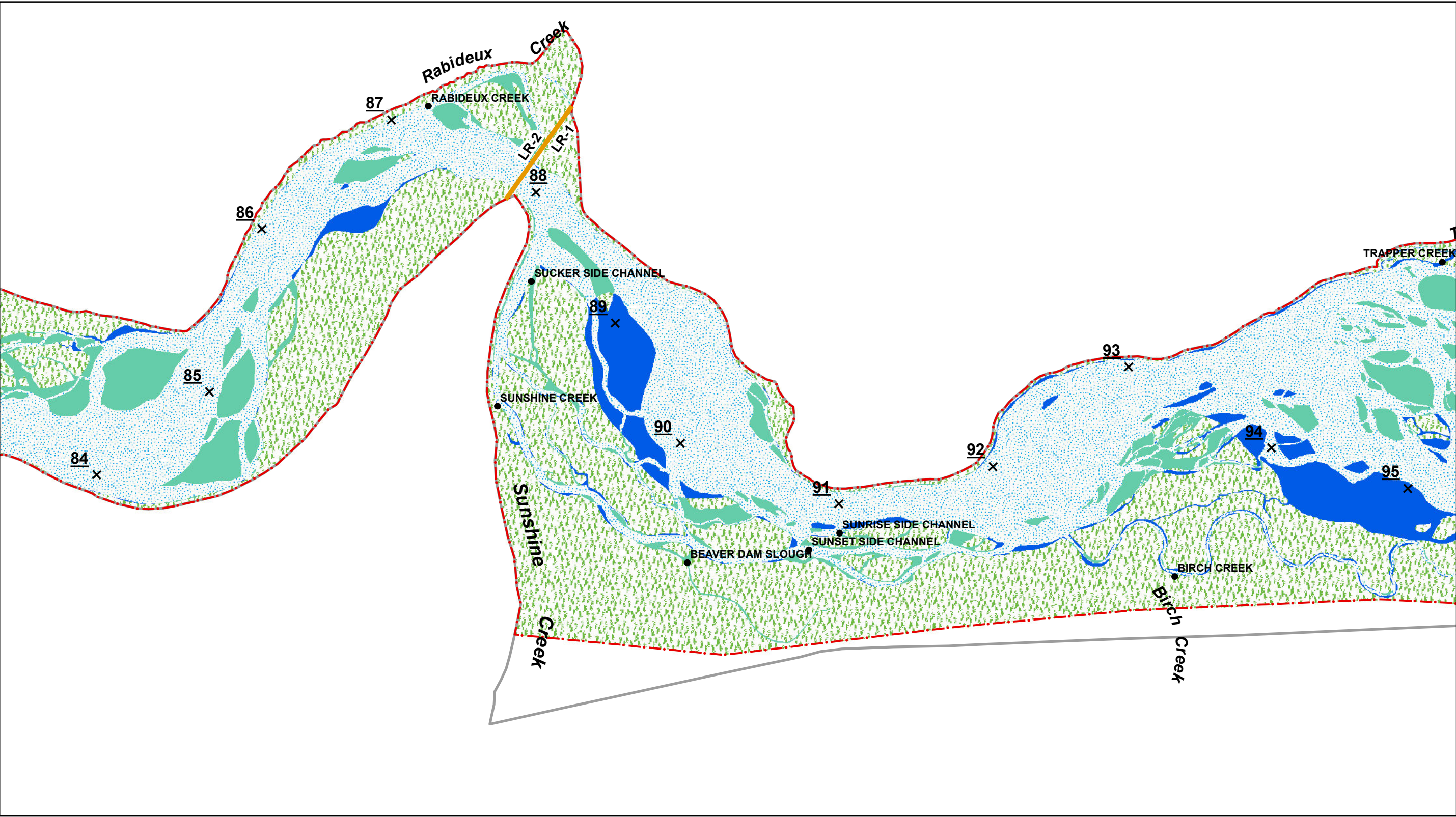
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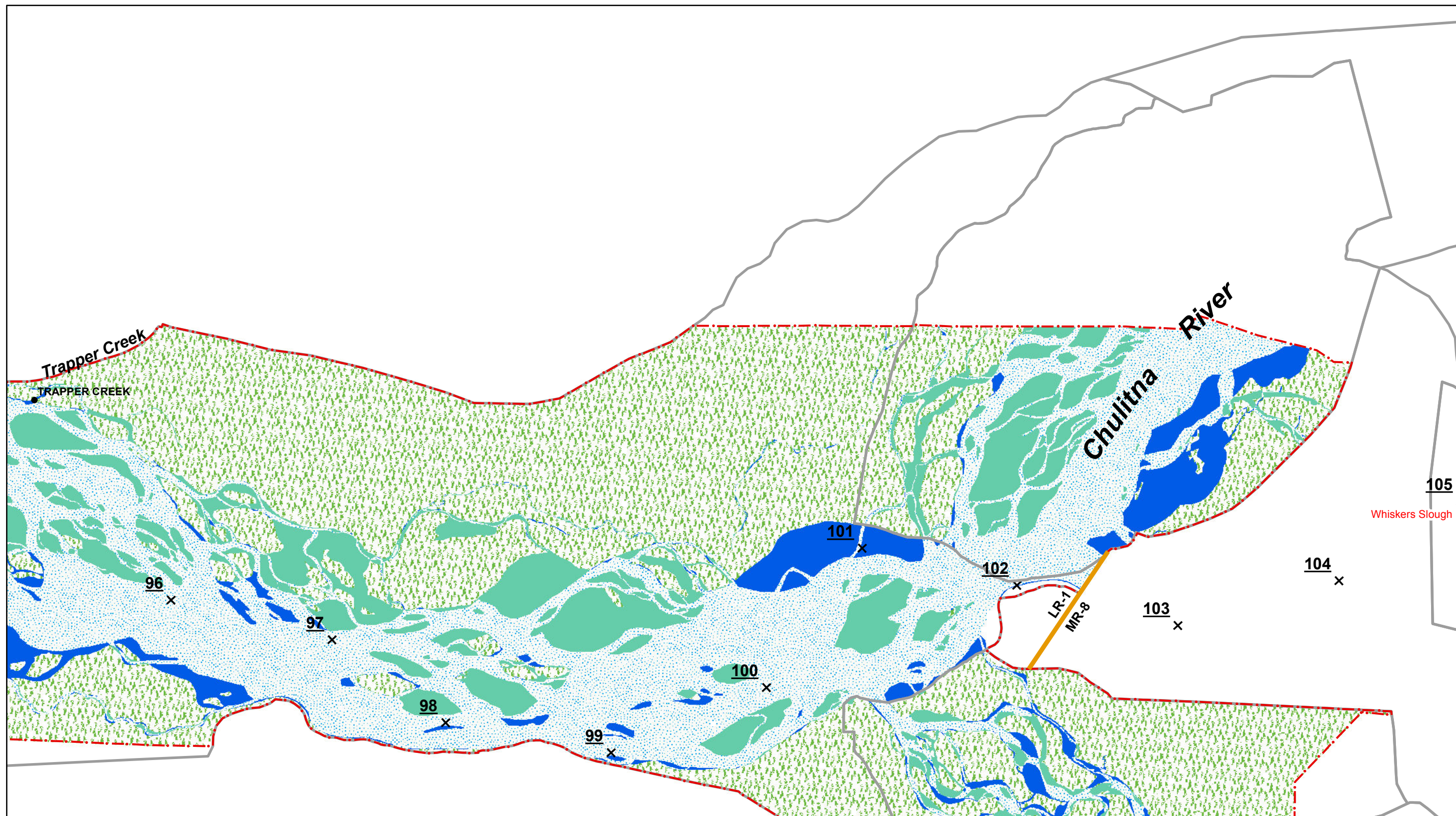












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1983 to 2012 TURNOVER



