

APPENDIX I. 1950s TO 1980s LOWER SUSITNA RIVER SEGMENT CHANNEL CHANGE OVERLAY

**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

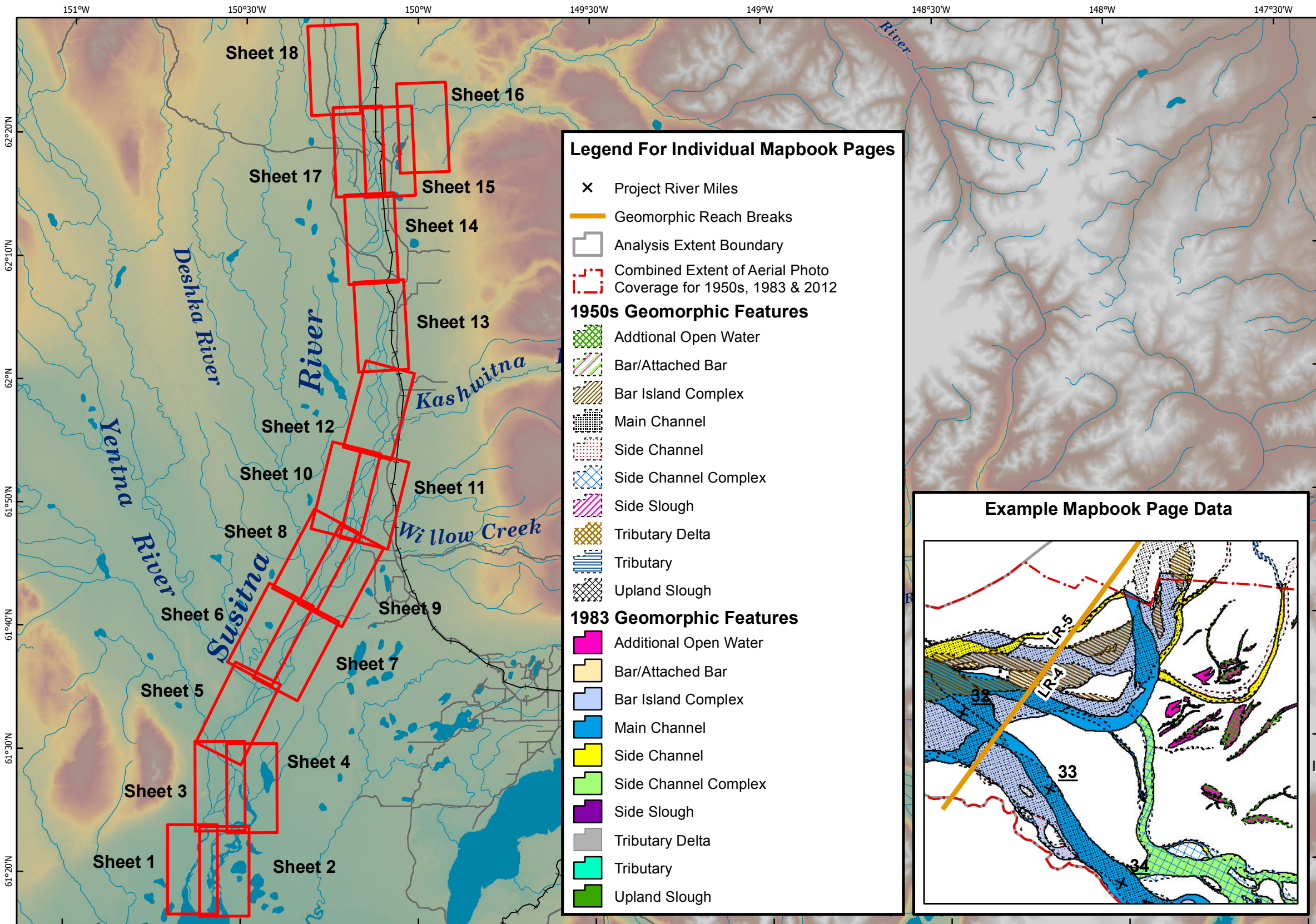
Alaska Energy Authority



Prepared by

Tetra Tech Inc.

September 2014



Legend For Individual Mapbook Pages

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

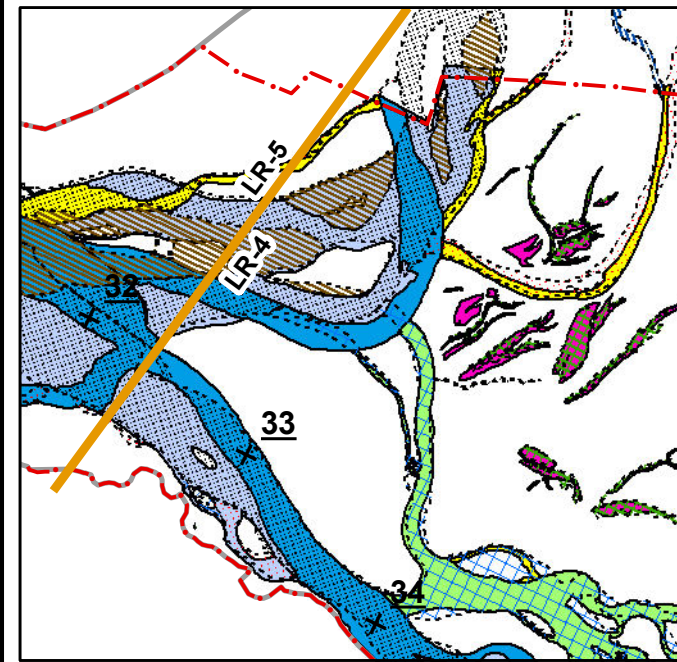
1950s Geomorphic Features

- Additional Open Water
- Bar/Attached Bar
- Bar Island Complex
- Main Channel
- Side Channel
- Side Channel Complex
- Side Slough
- Tributary Delta
- Tributary
- Upland Slough

1983 Geomorphic Features

- Additional Open Water
- Bar/Attached Bar
- Bar Island Complex
- Main Channel
- Side Channel
- Side Channel Complex
- Side Slough
- Tributary Delta
- Tributary
- Upland Slough

Example Mapbook Page Data

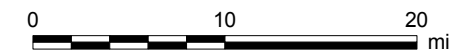
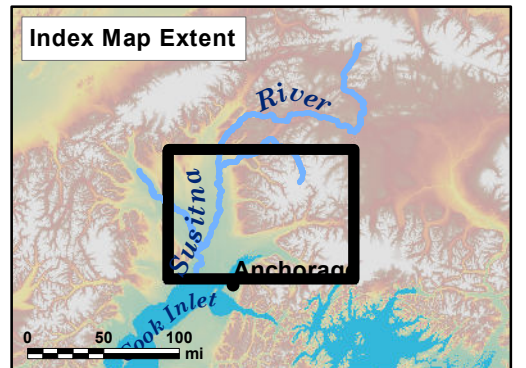


LOWER SUSITNA RIVER SEGMENT CHANNEL CHANGE OVERLAY 1950s - 1983

Legend

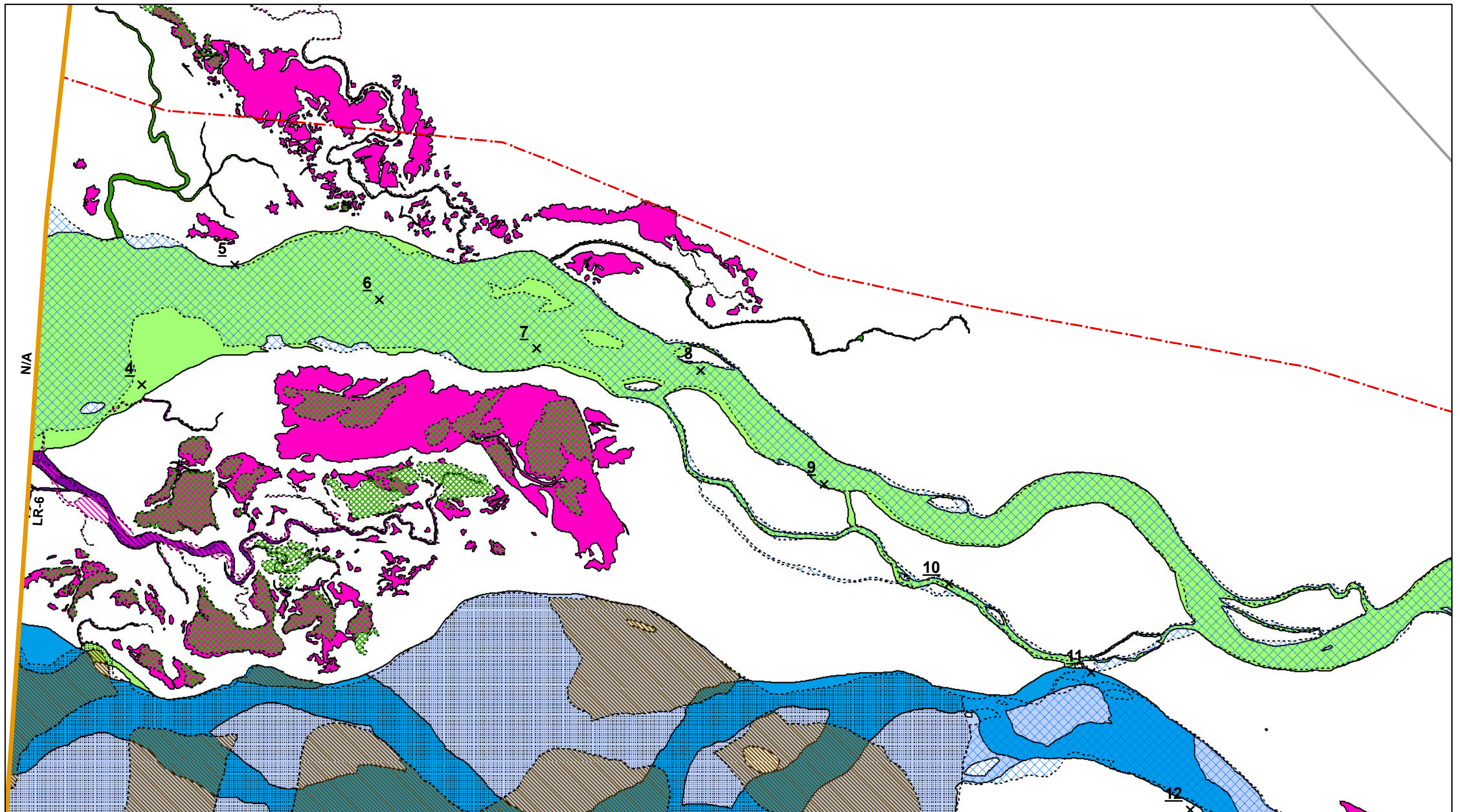
- Sheet Extents
- Roads
- Railroads
- Rivers and Streams
- Waterbodies

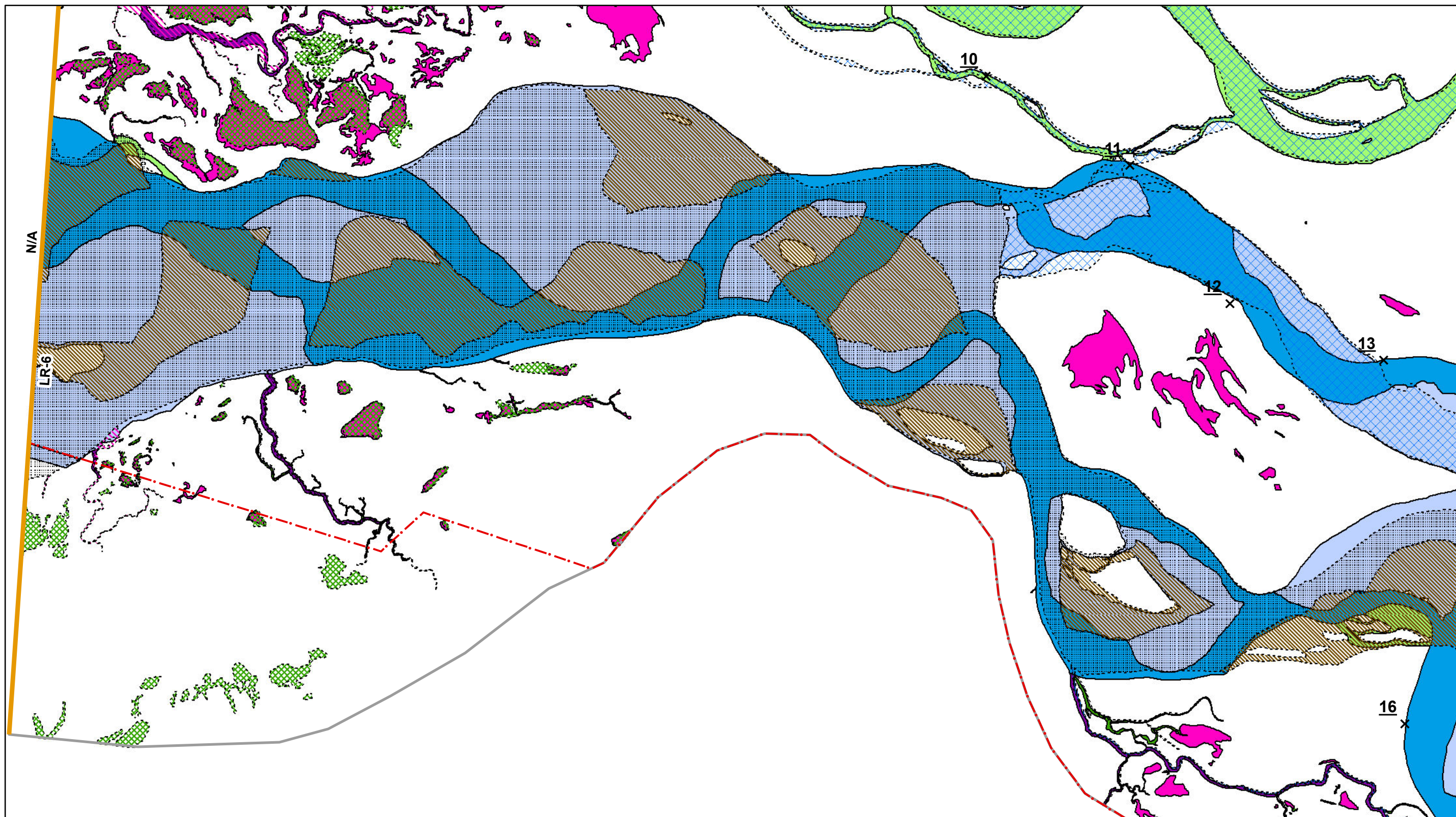
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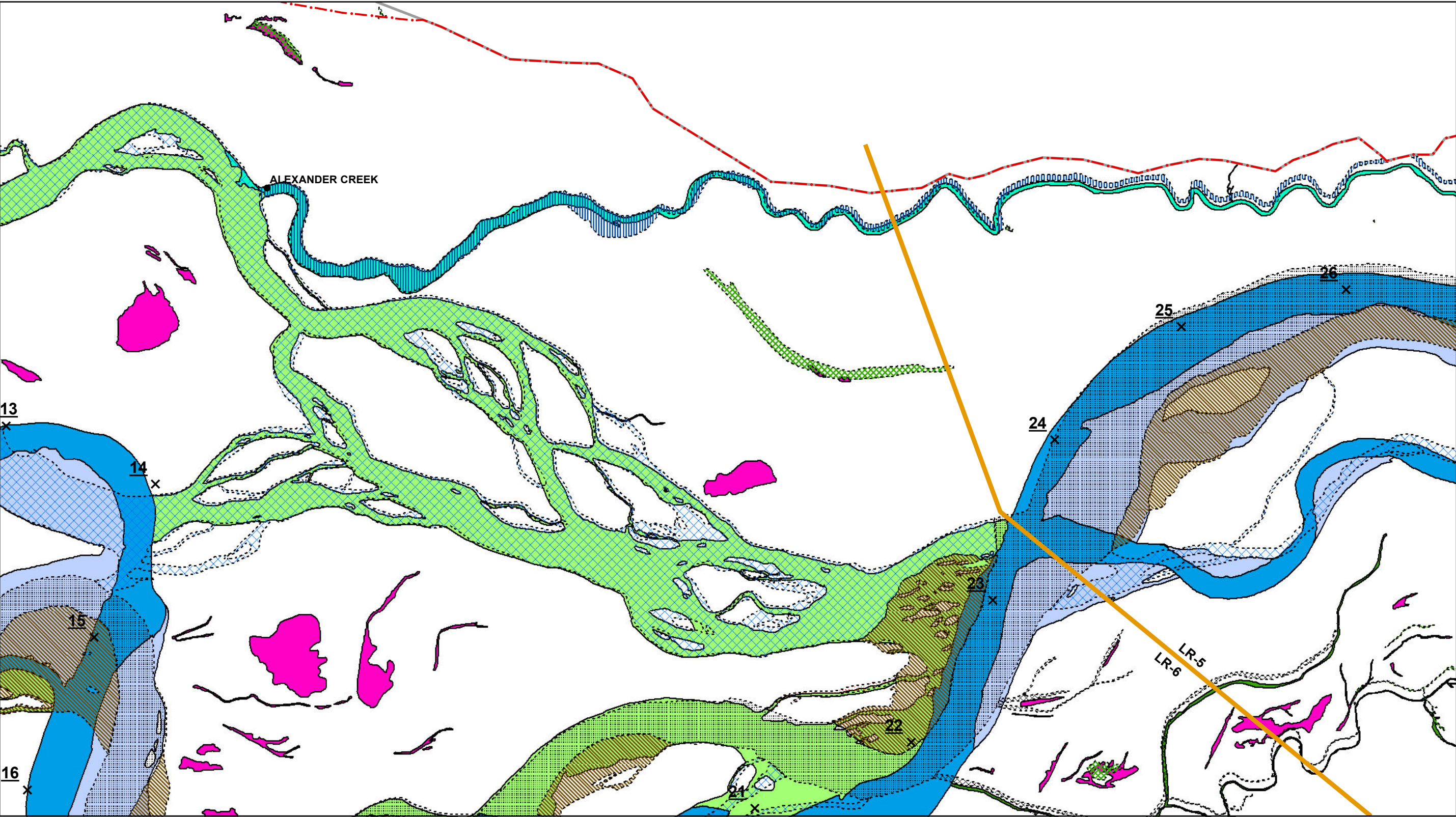


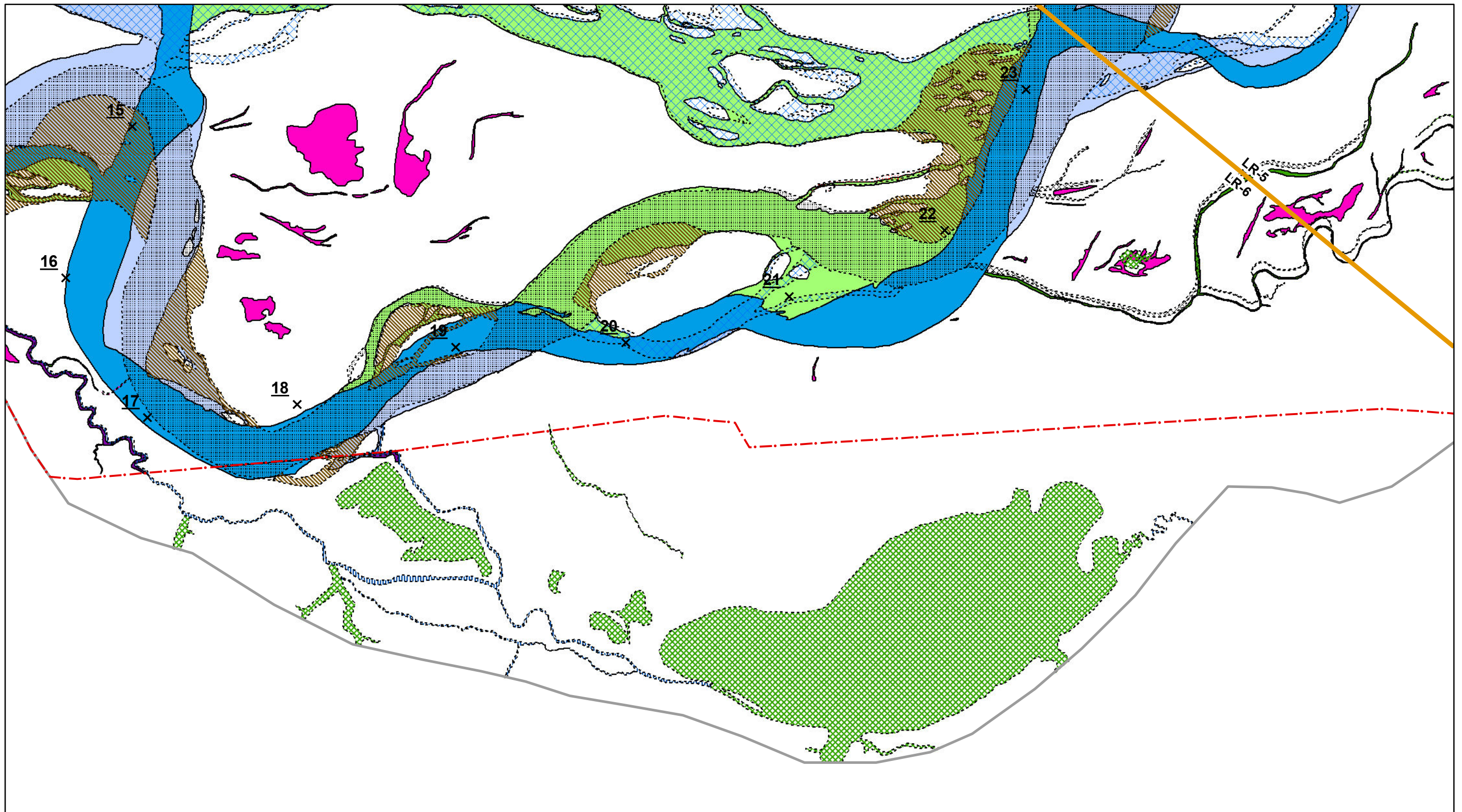
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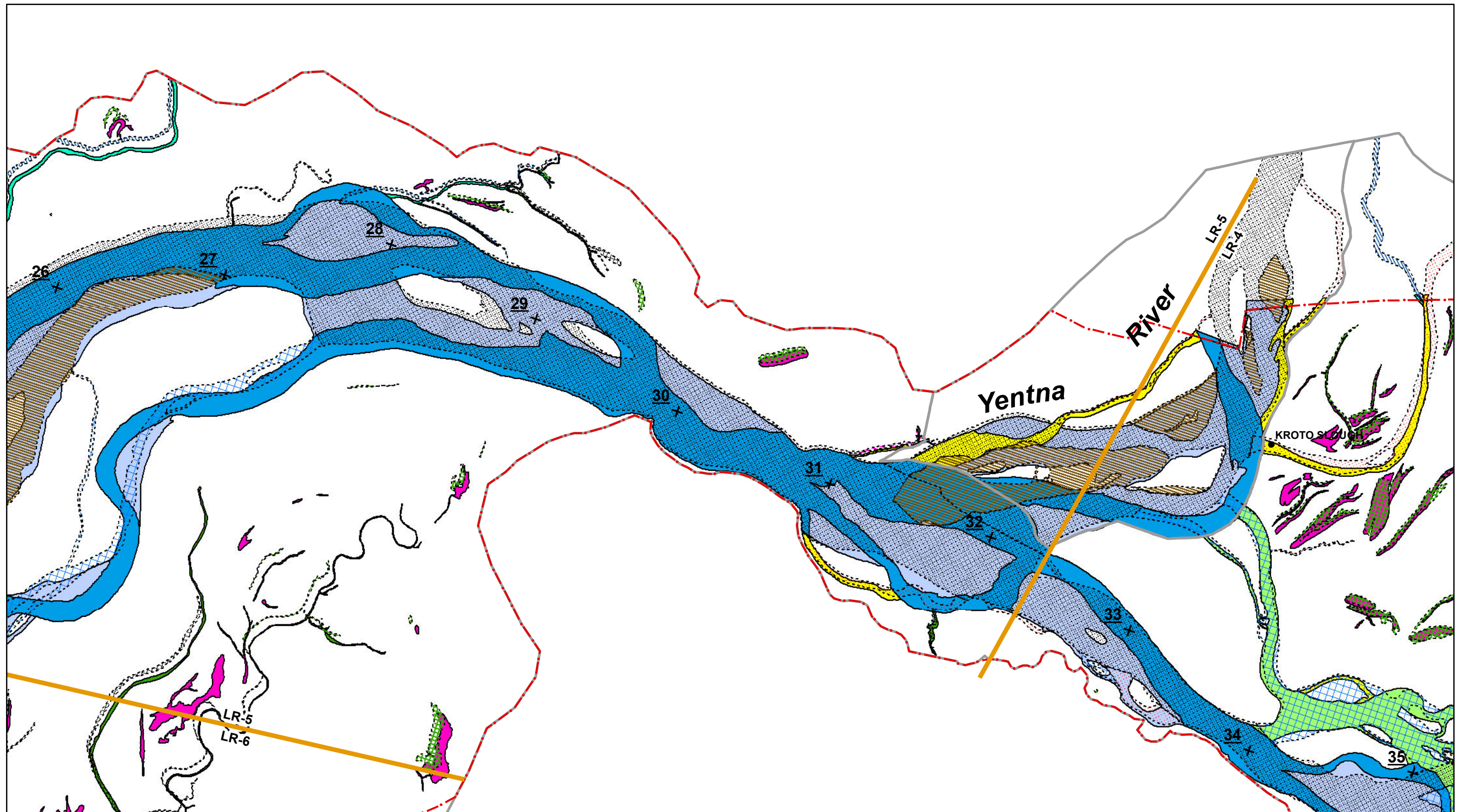










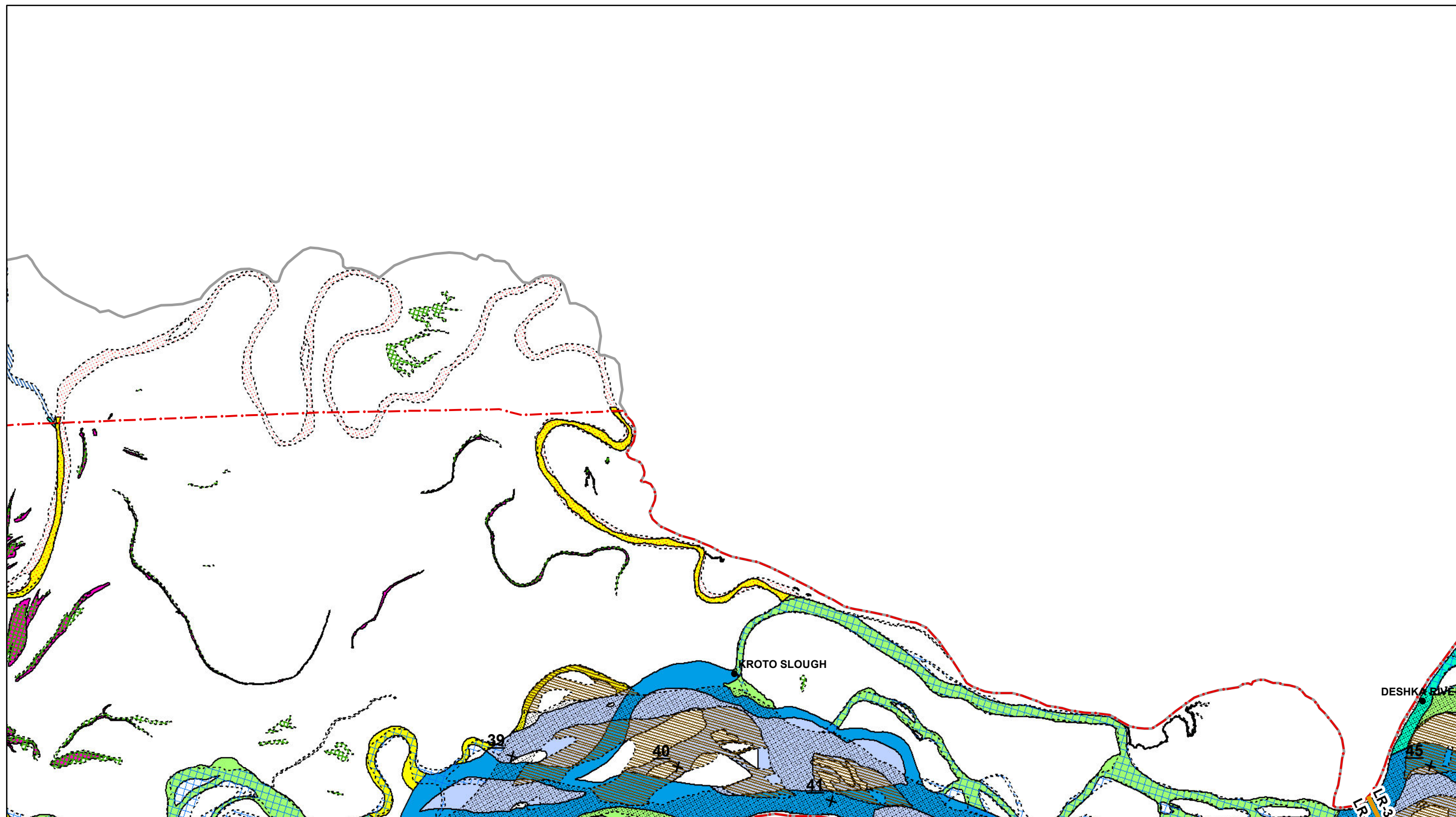


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1 inch = 3,000 feet
Sheet 5 of 18

LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1950s to 1983



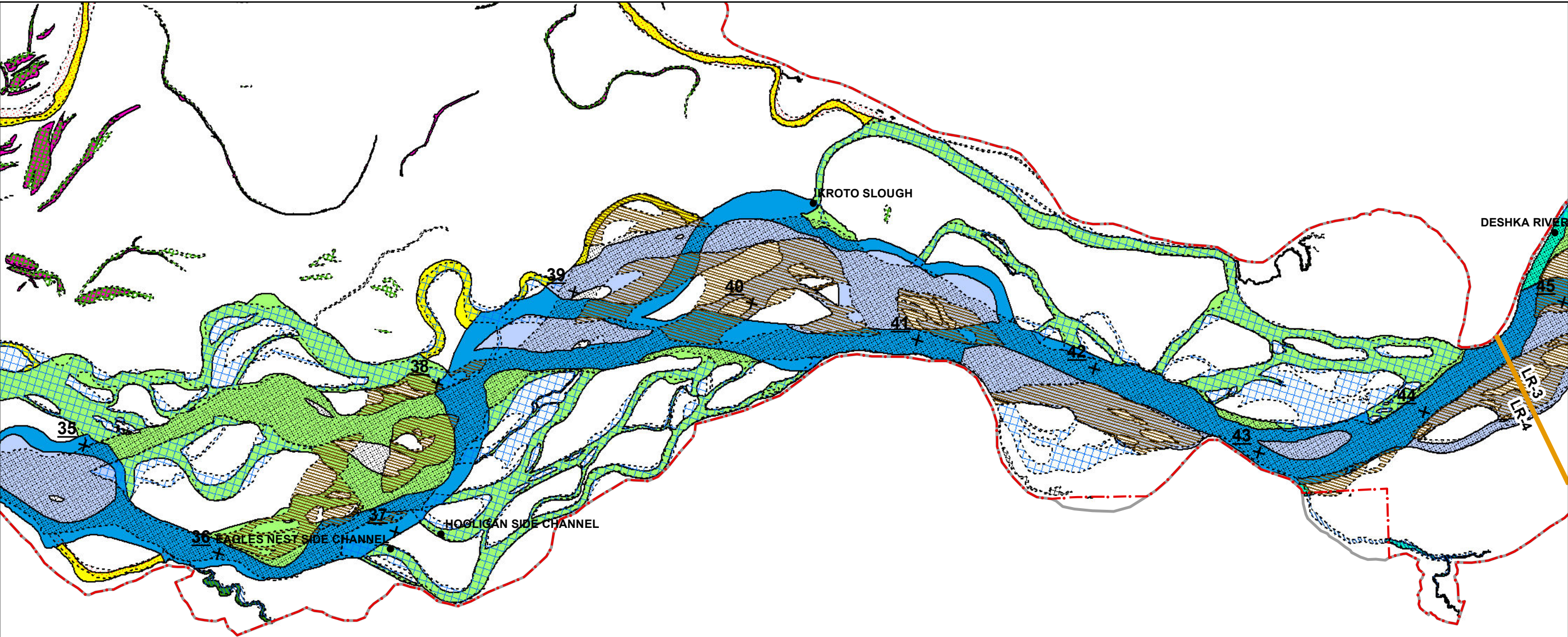


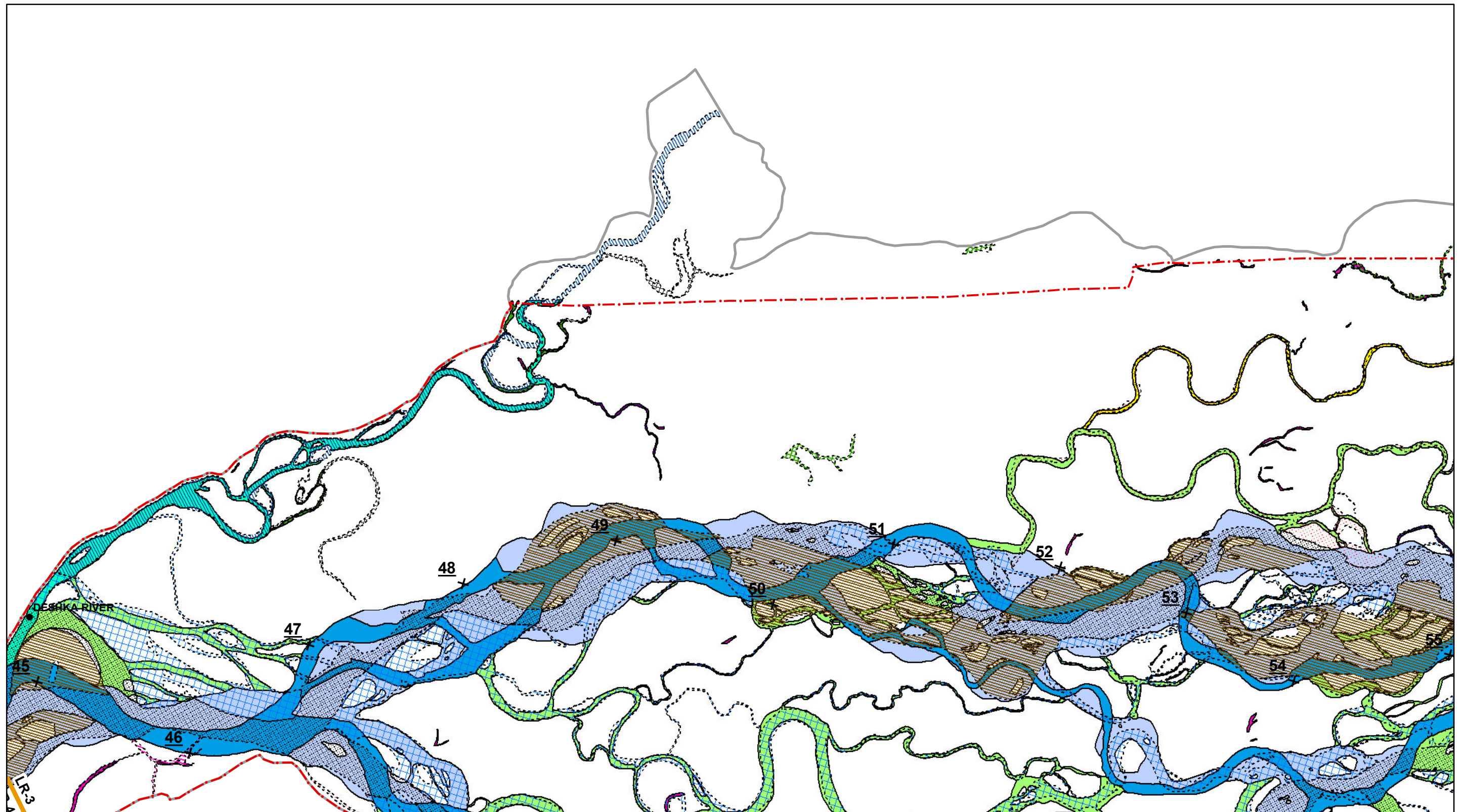
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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1950s to 1983





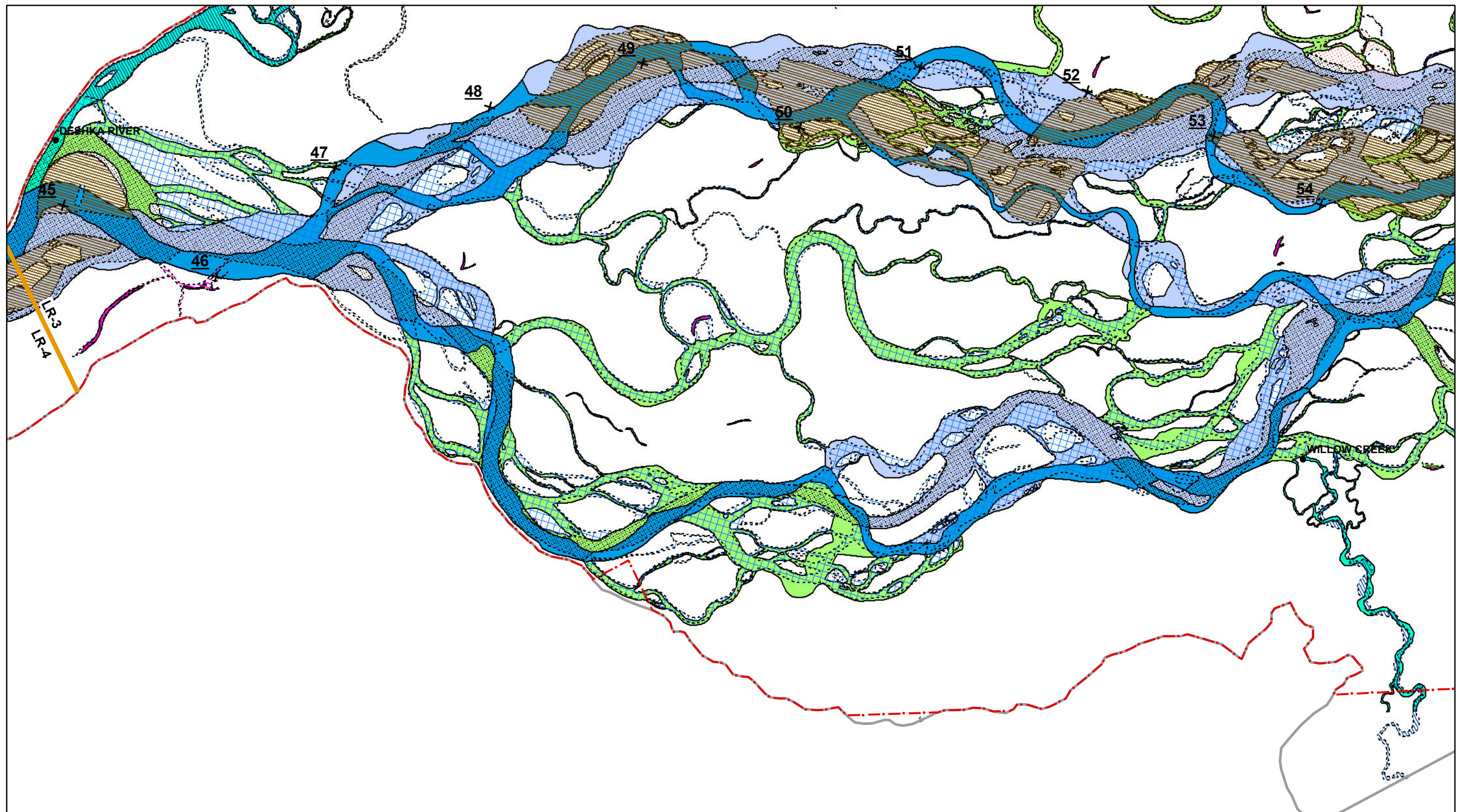


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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1950s to 1983



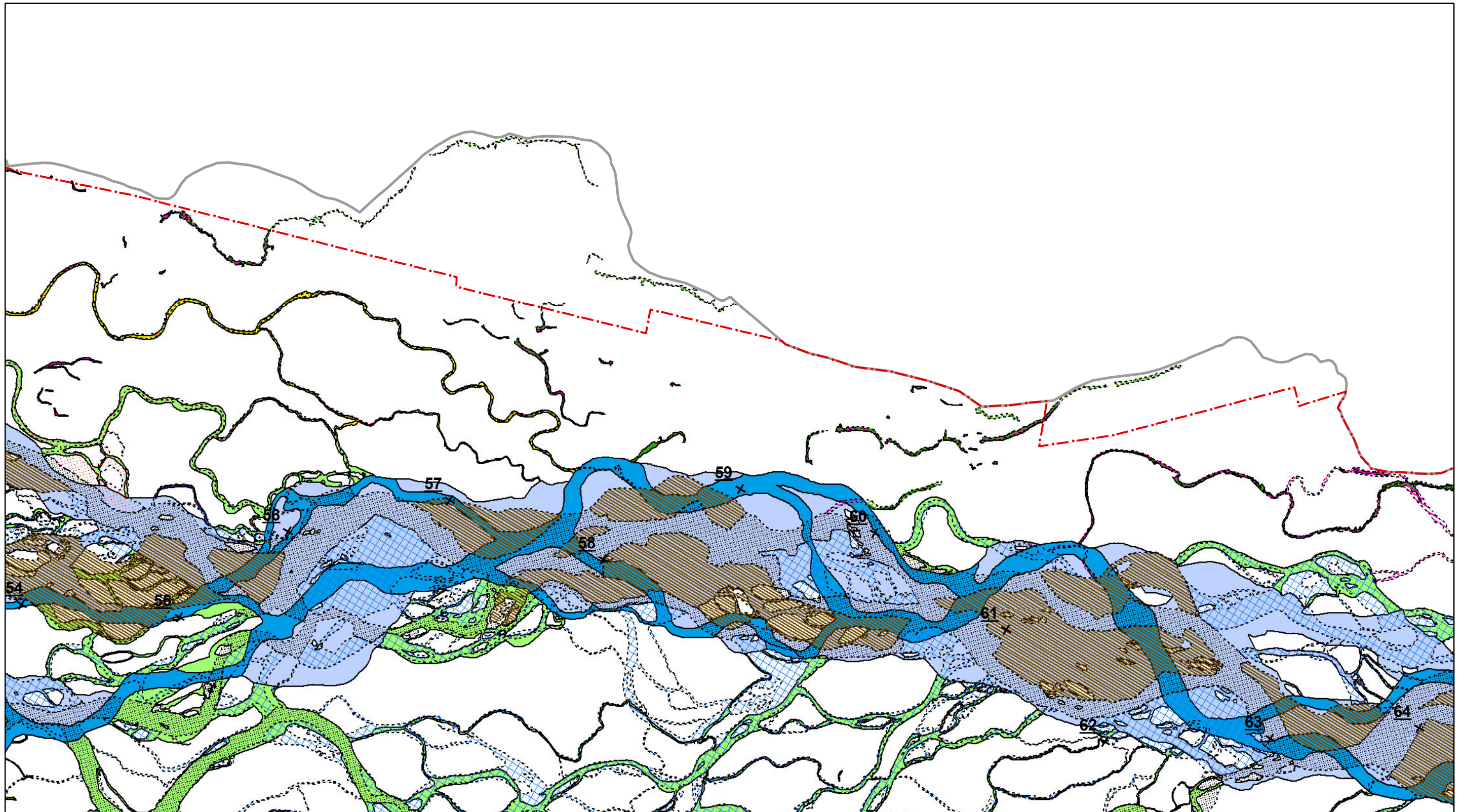


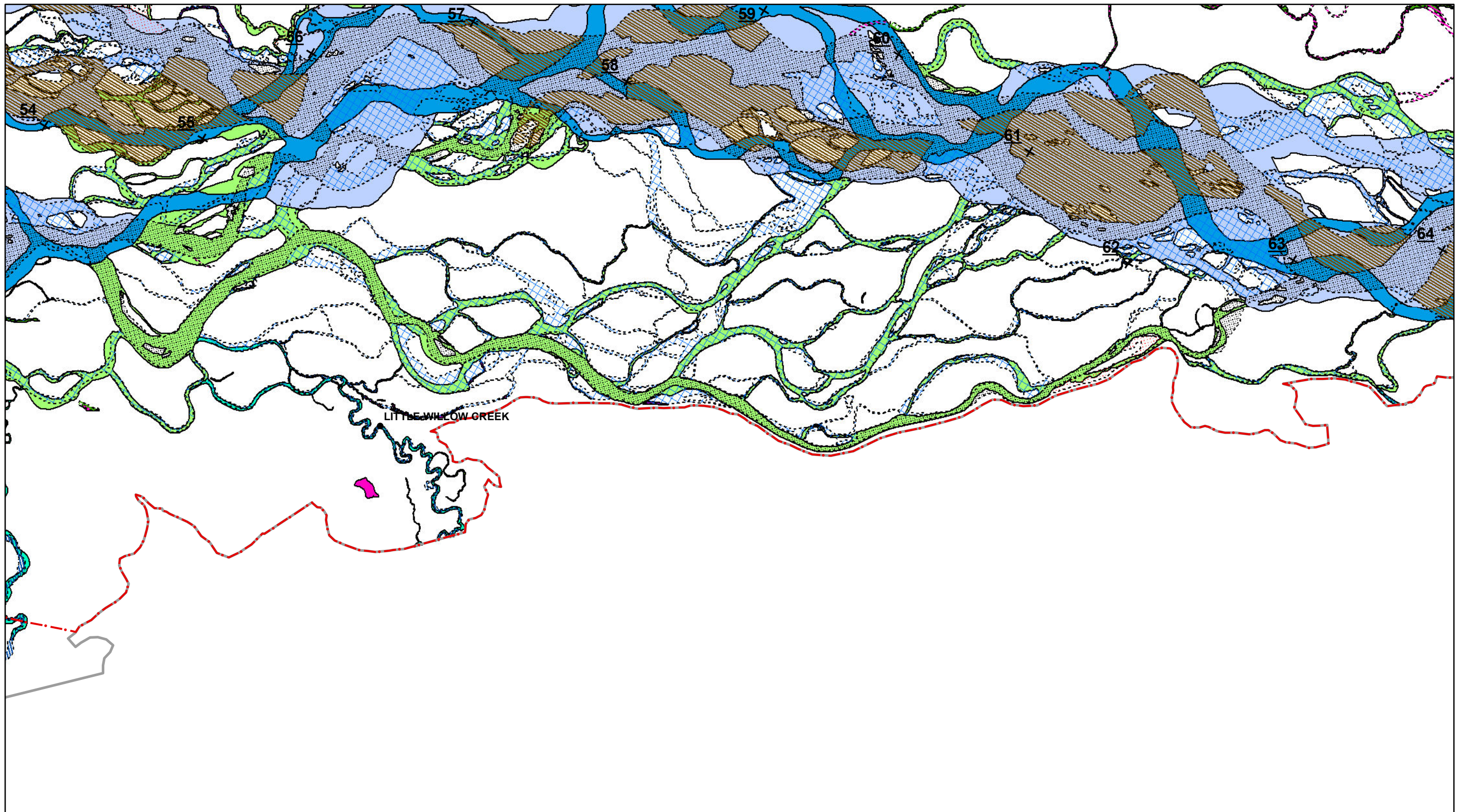
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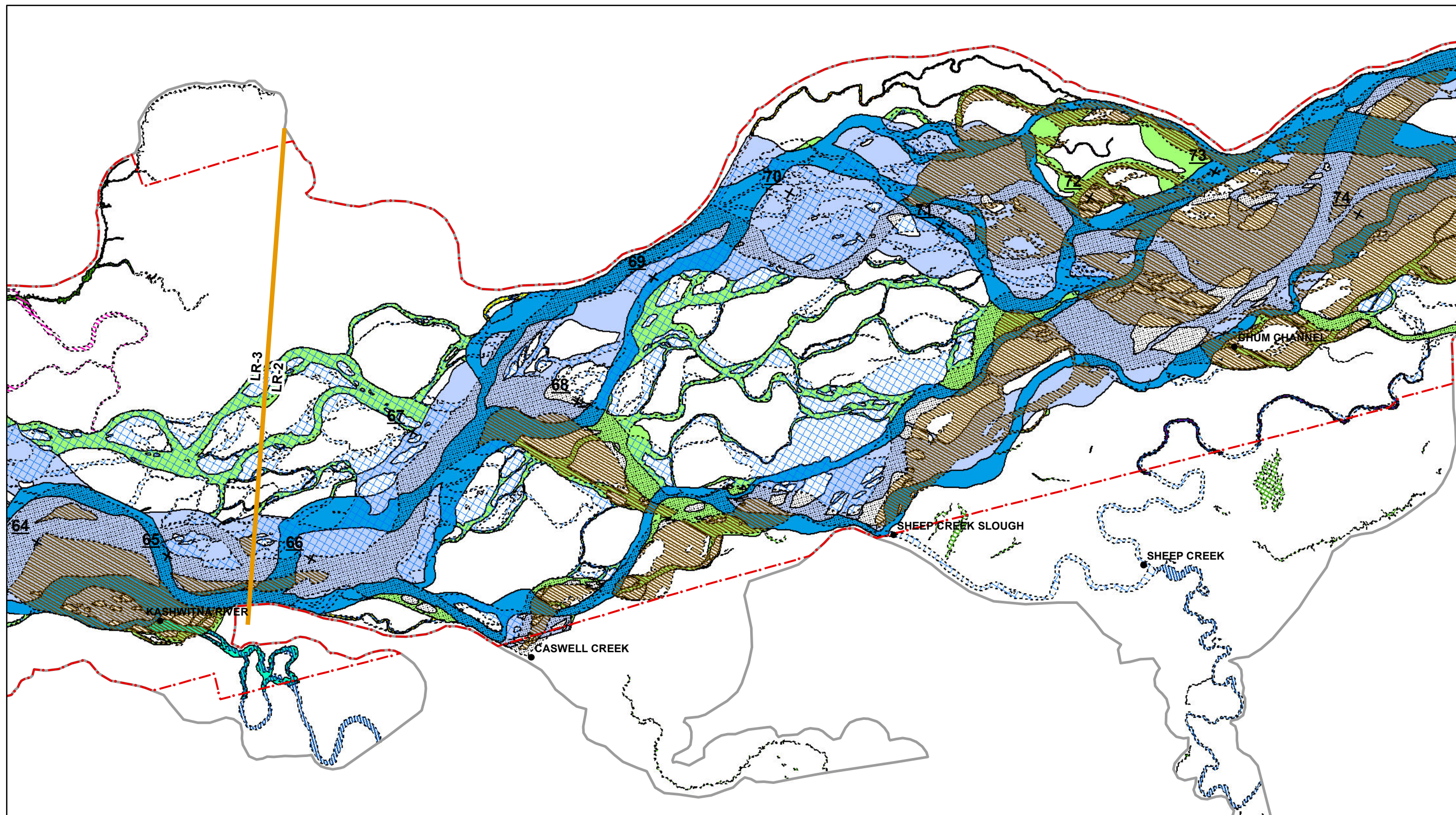
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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1950s to 1983







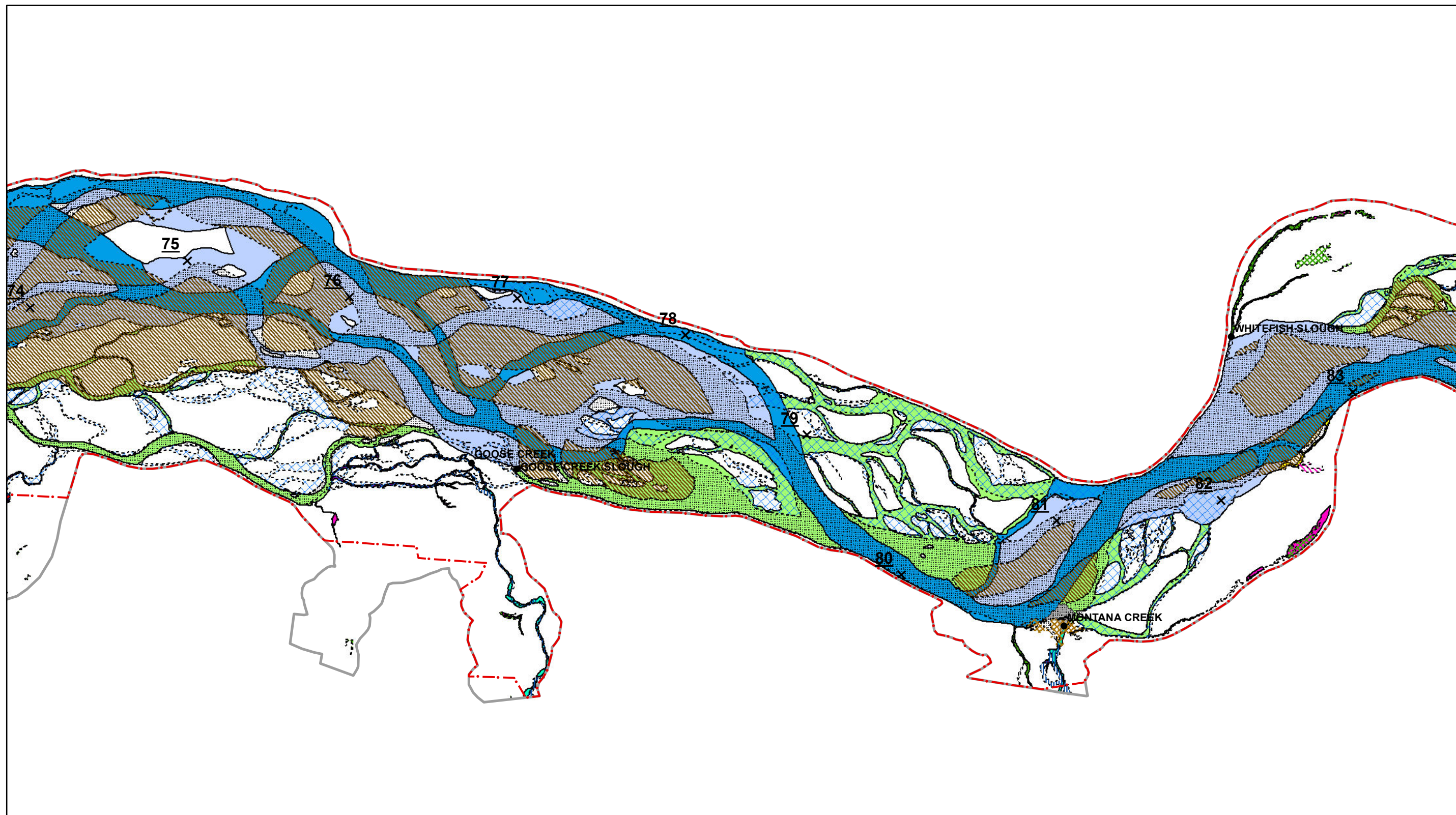


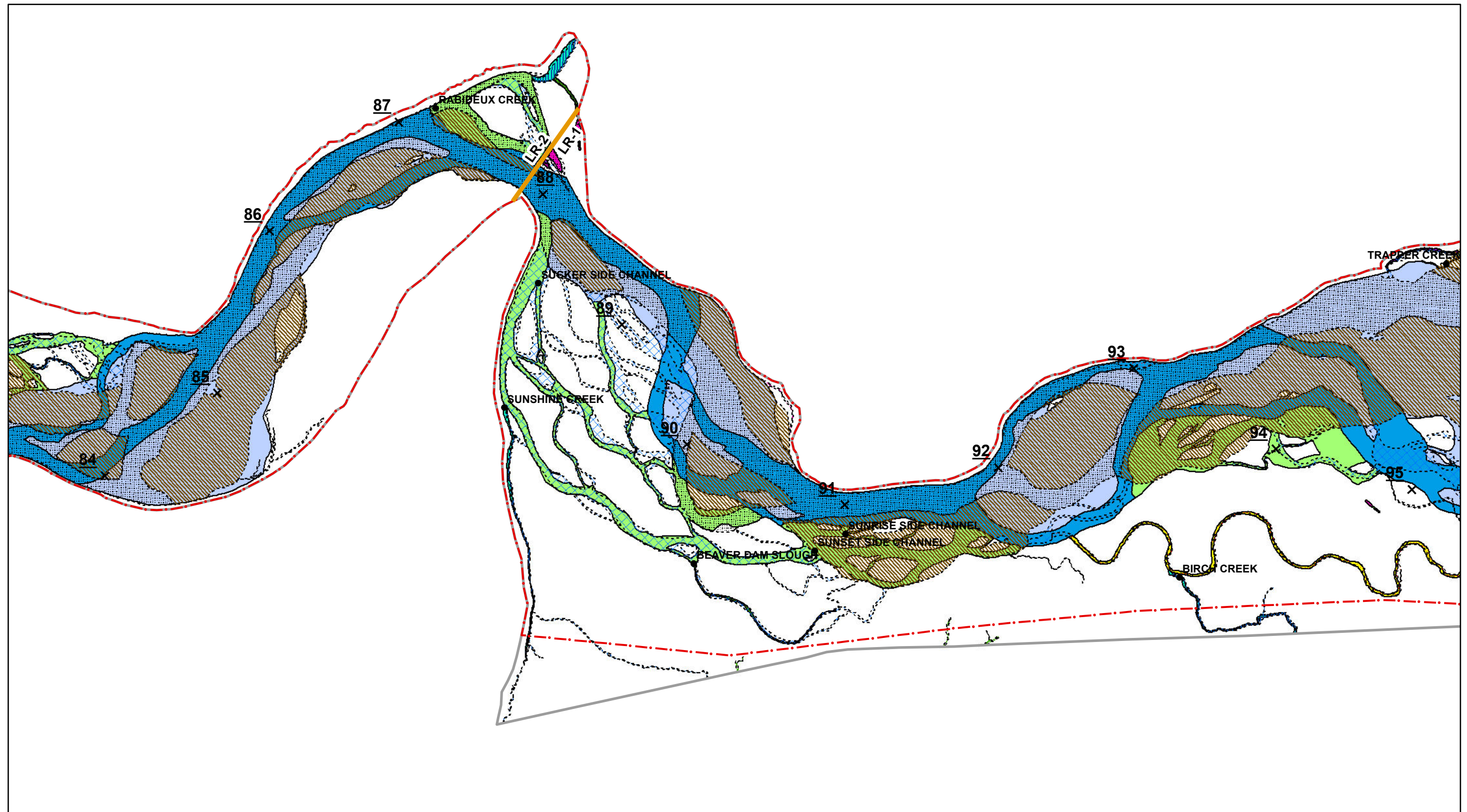
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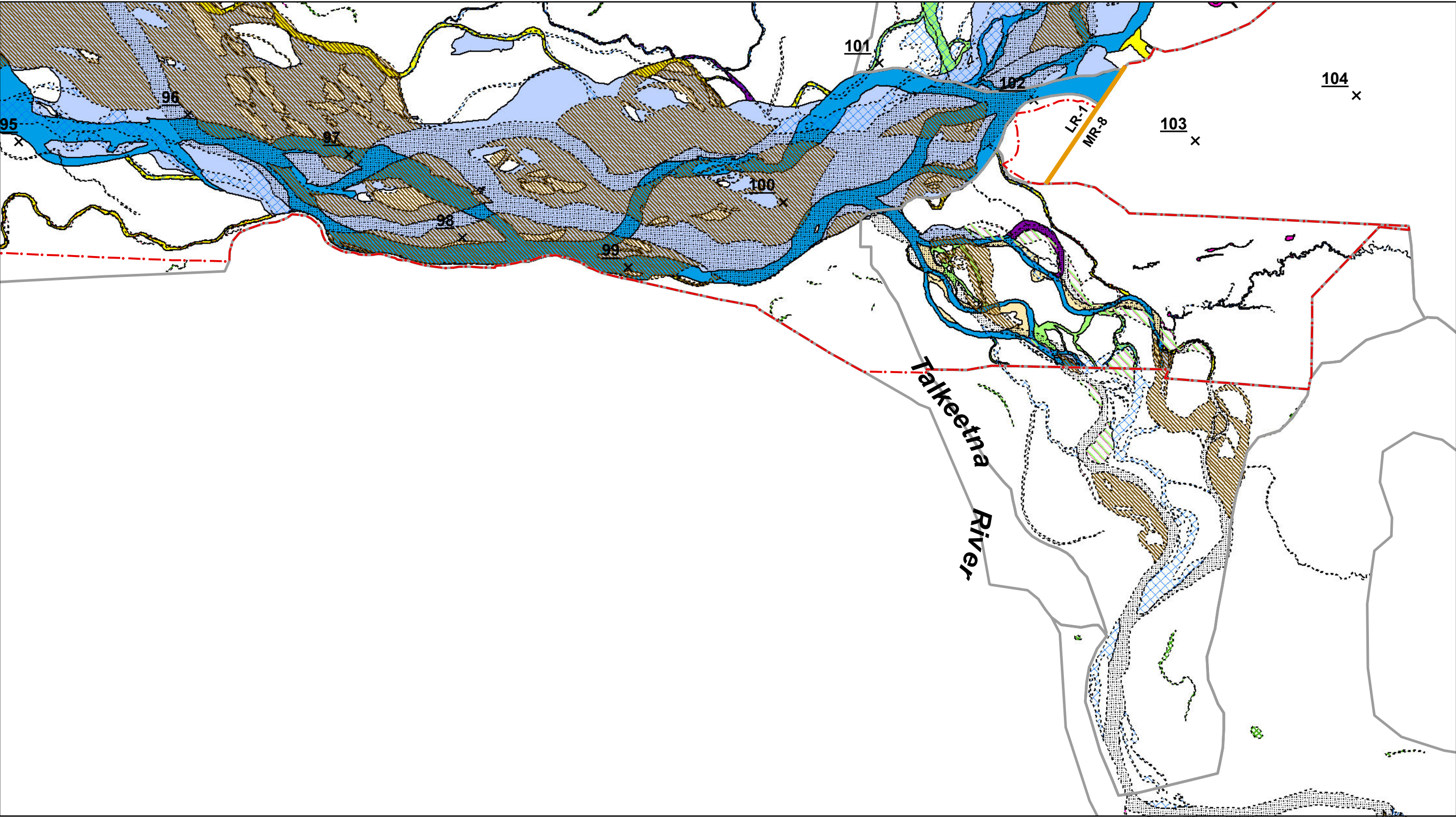
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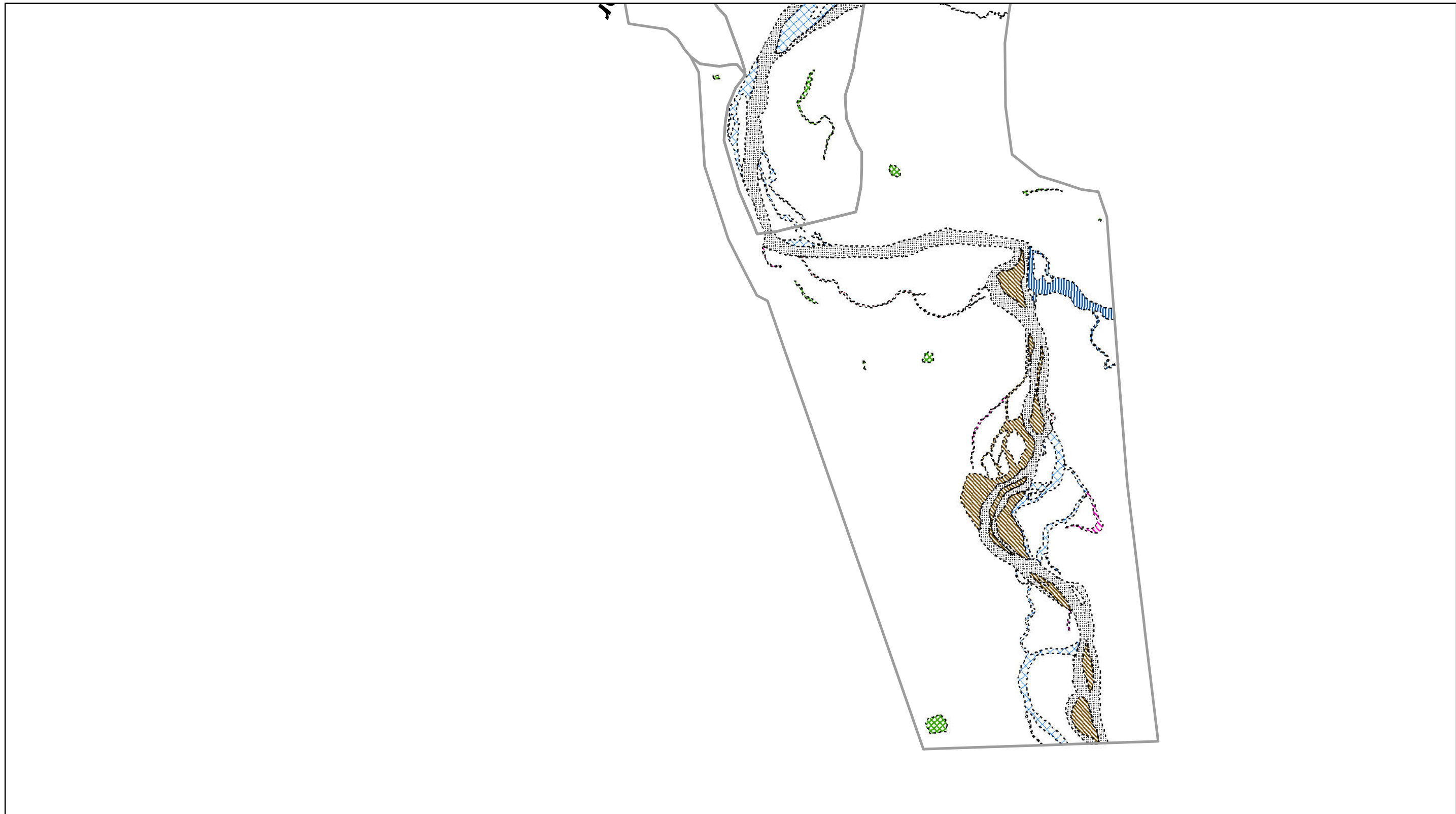
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Channel Change Overlay
1950s to 1983

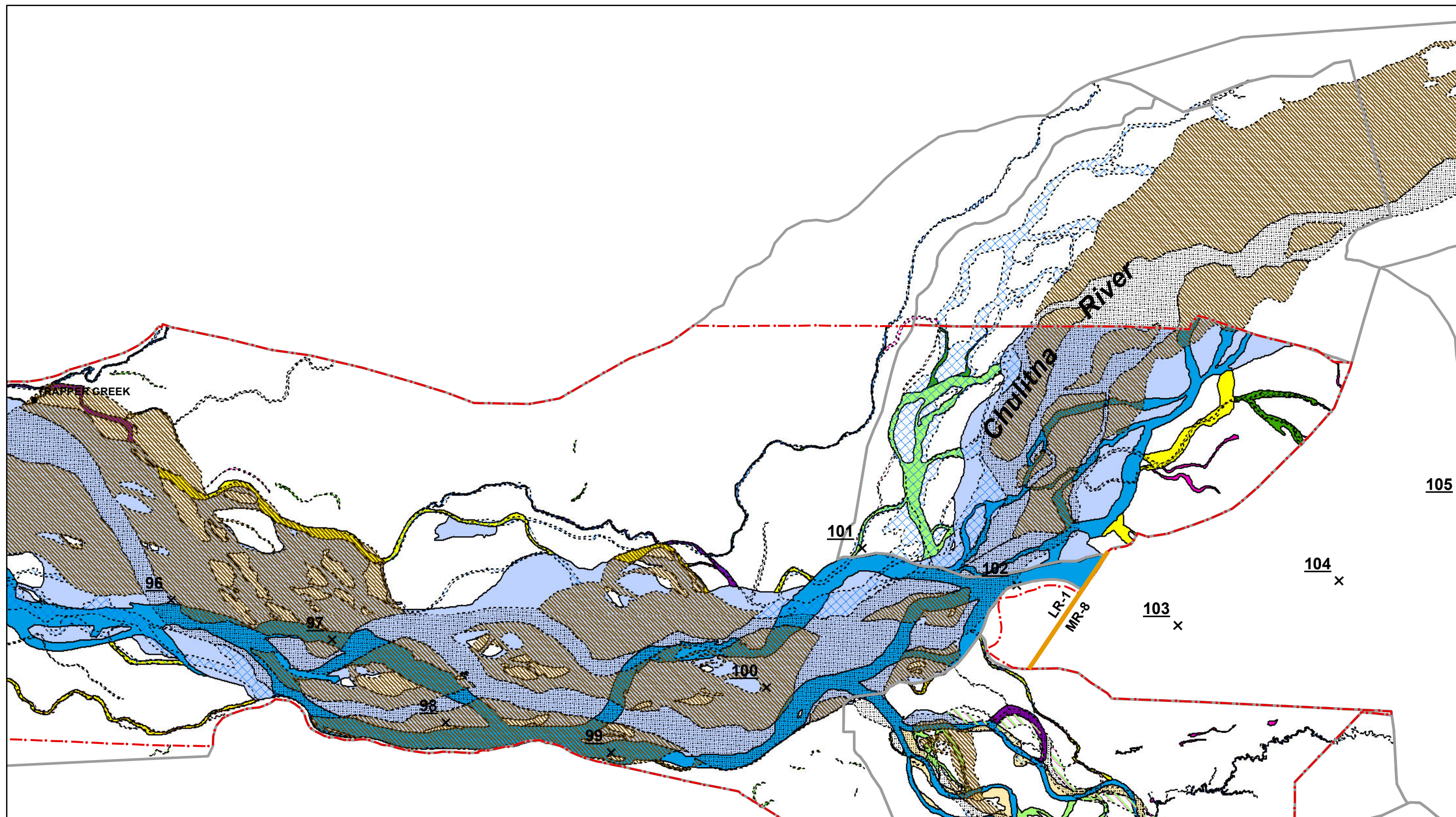










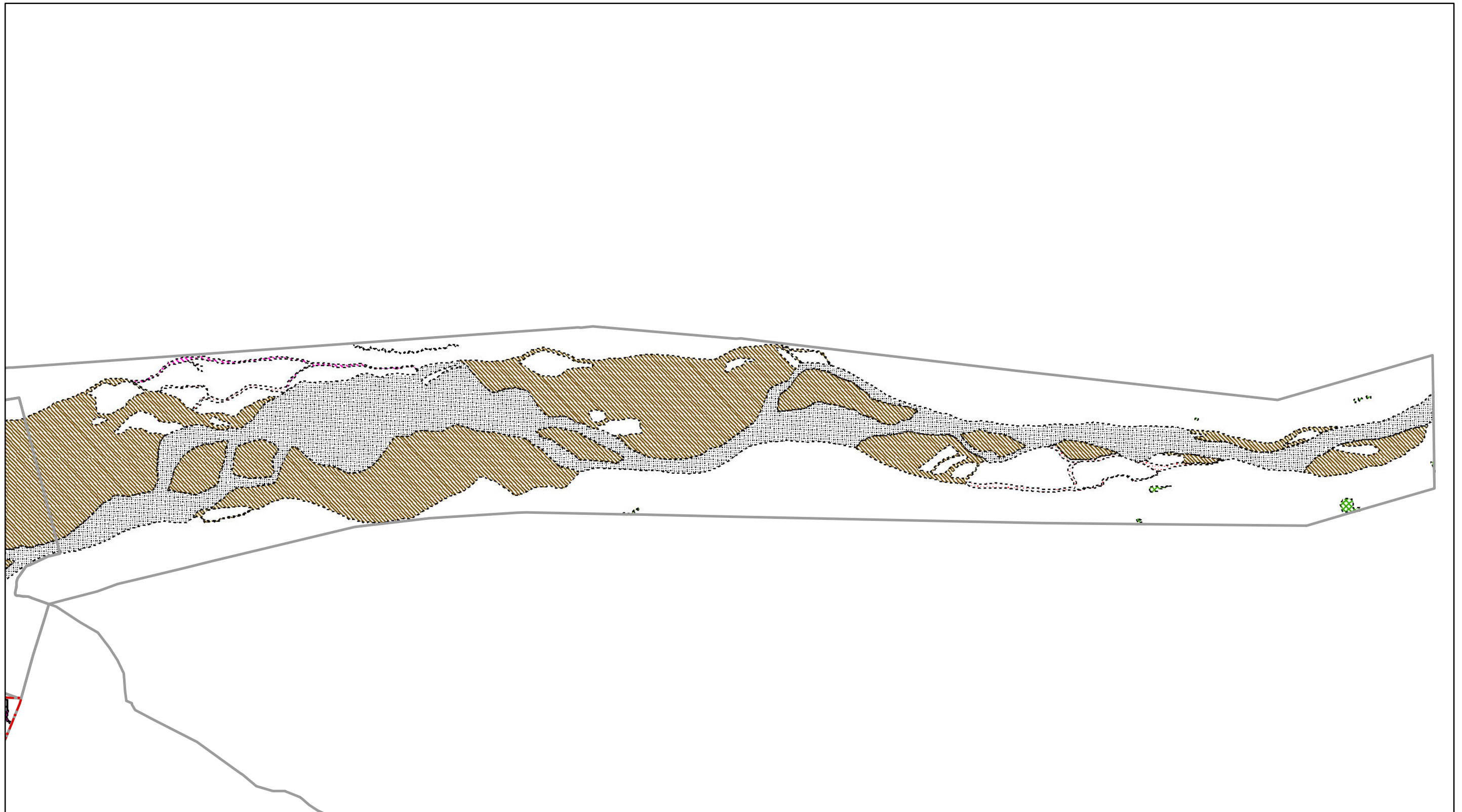


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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1950s to 1983





APPENDIX J. 1980s TO 2012 LOWER SUSITNA RIVER SEGMENT CHANNEL CHANGE OVERLAY

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(FERC No. 14241)**

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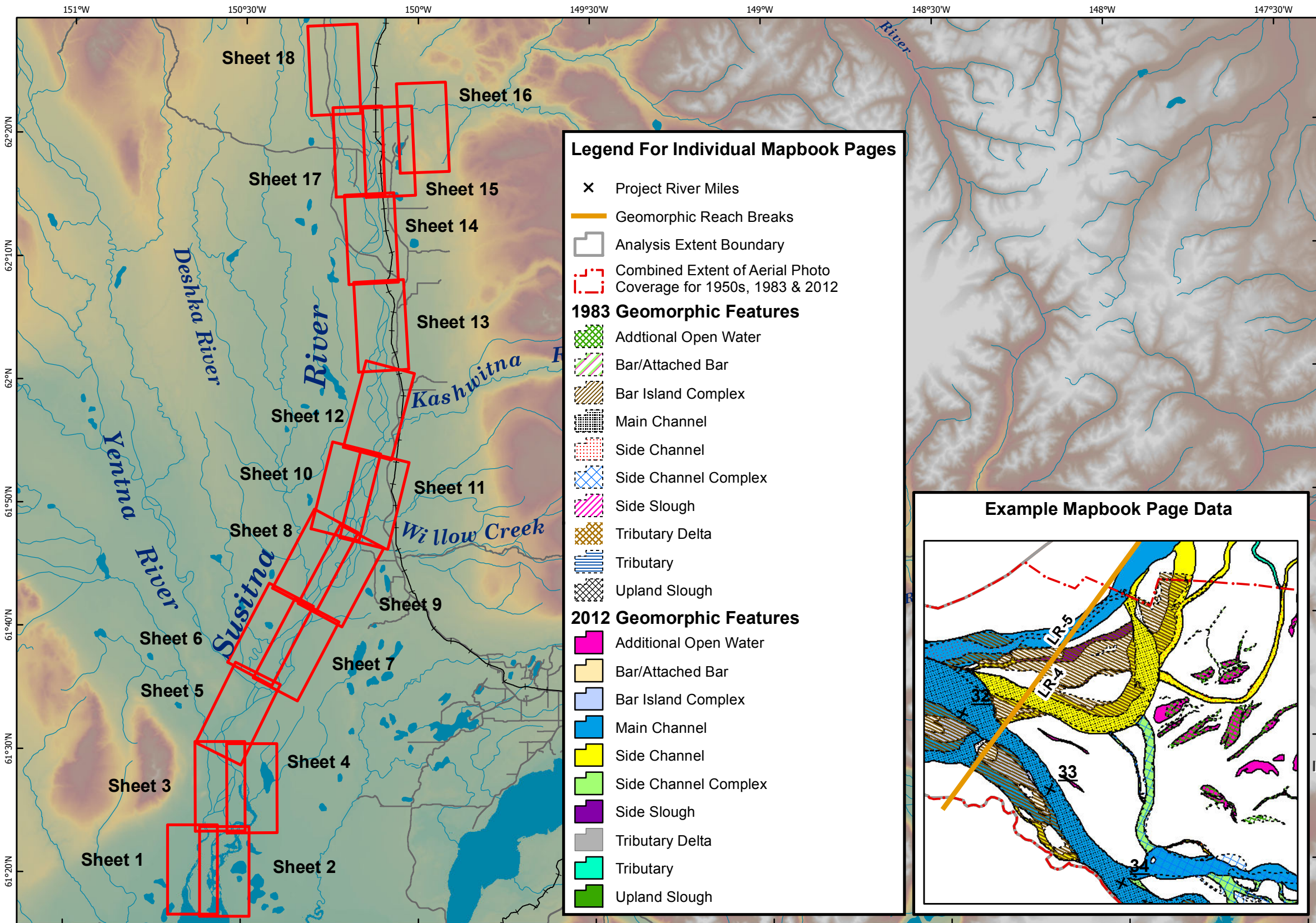
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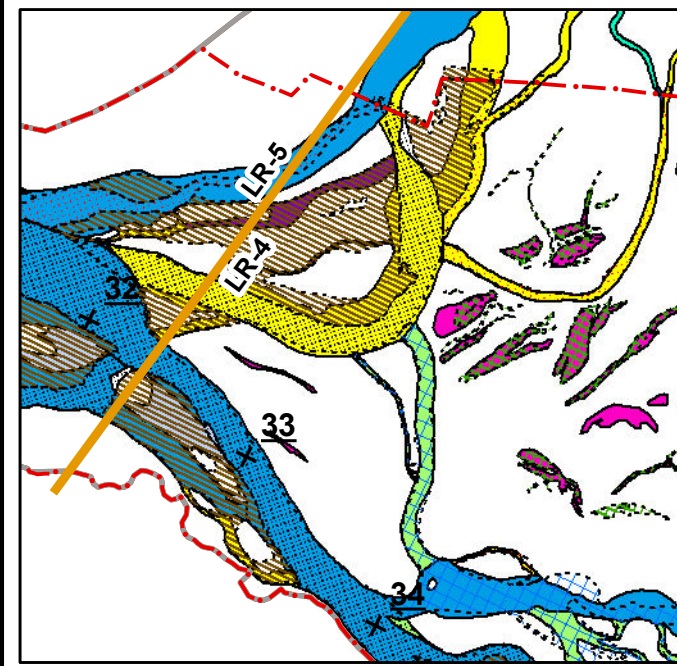
1983 Geomorphic Features

- Additional Open Water
- Bar/Attached Bar
- Bar Island Complex
- Main Channel
- Side Channel
- Side Channel Complex
- Side Slough
- Tributary Delta
- Tributary
- Upland Slough

2012 Geomorphic Features

- Additional Open Water
- Bar/Attached Bar
- Bar Island Complex
- Main Channel
- Side Channel
- Side Channel Complex
- Side Slough
- Tributary Delta
- Tributary
- Upland Slough

Example Mapbook Page Data

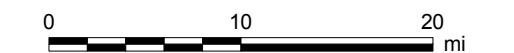
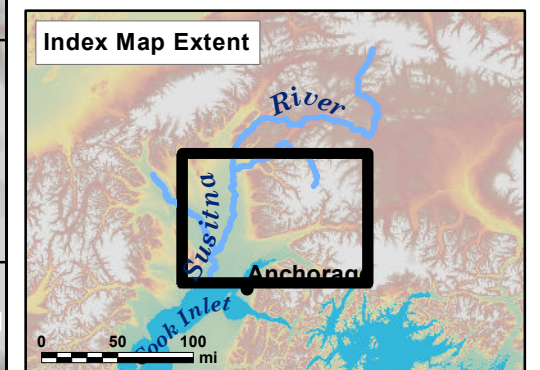


LOWER SUSITNA RIVER SEGMENT CHANNEL CHANGE OVERLAY 1983 - 2012

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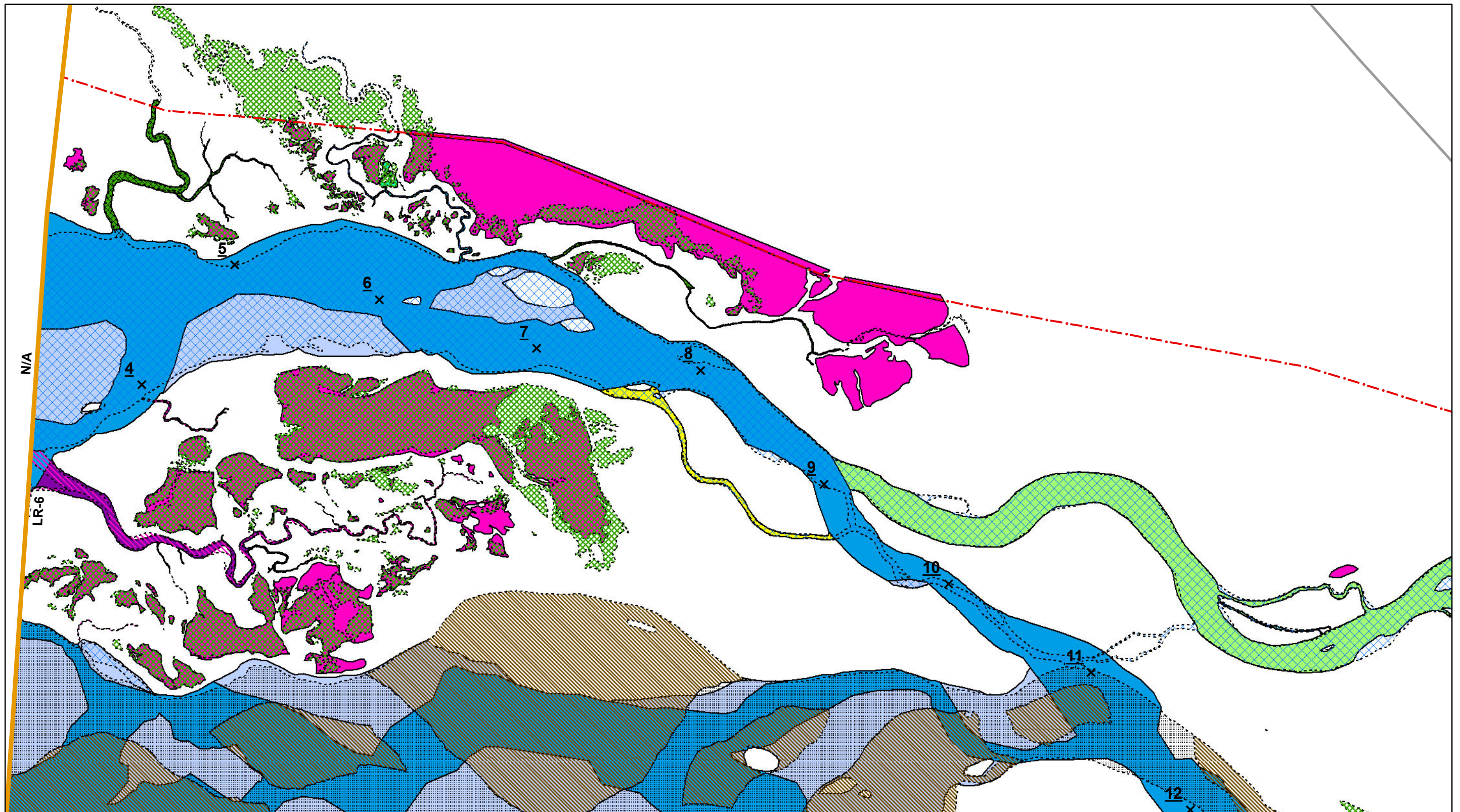
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- Roads
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- Rivers and Streams
- Waterbodies

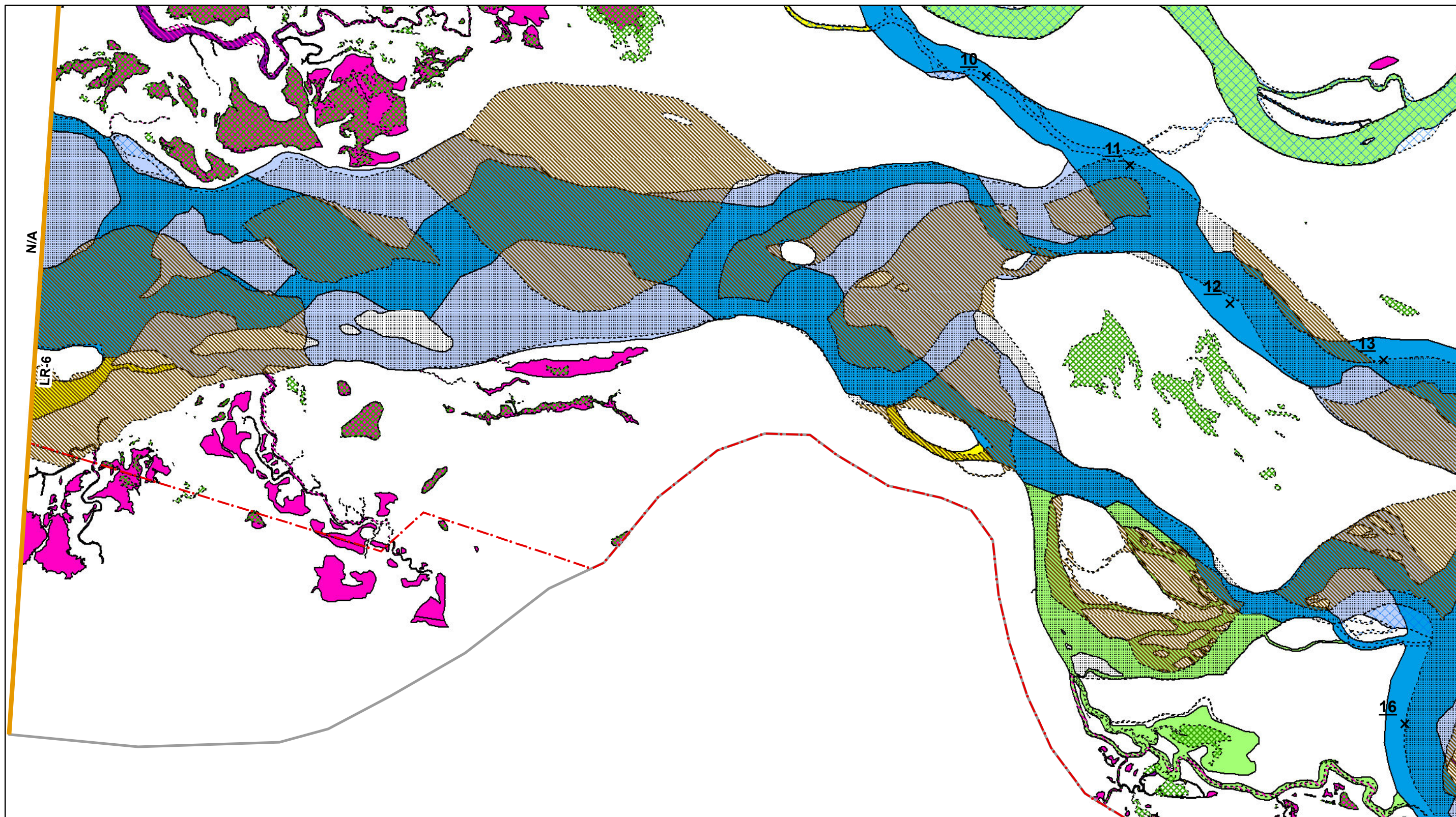
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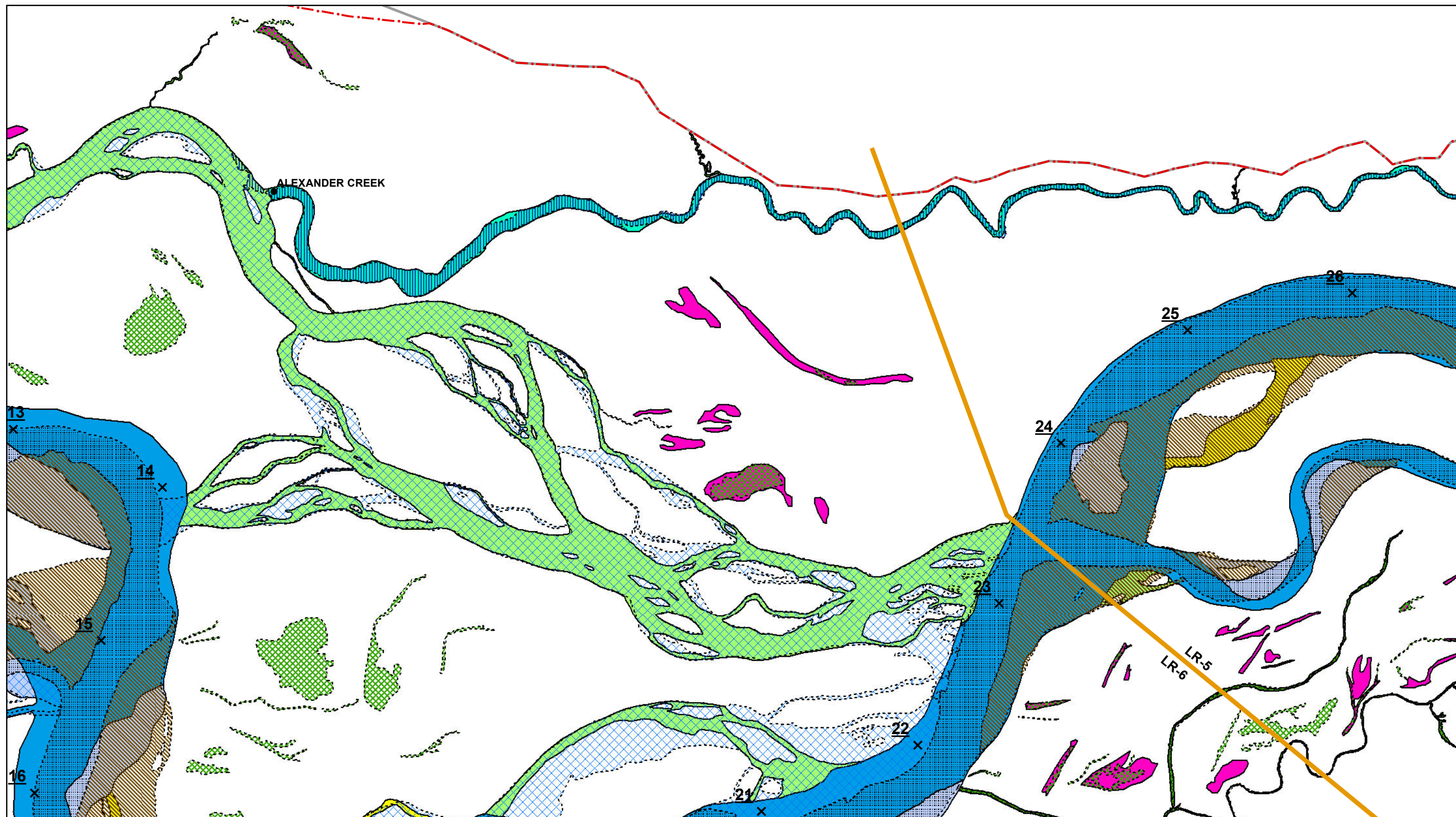


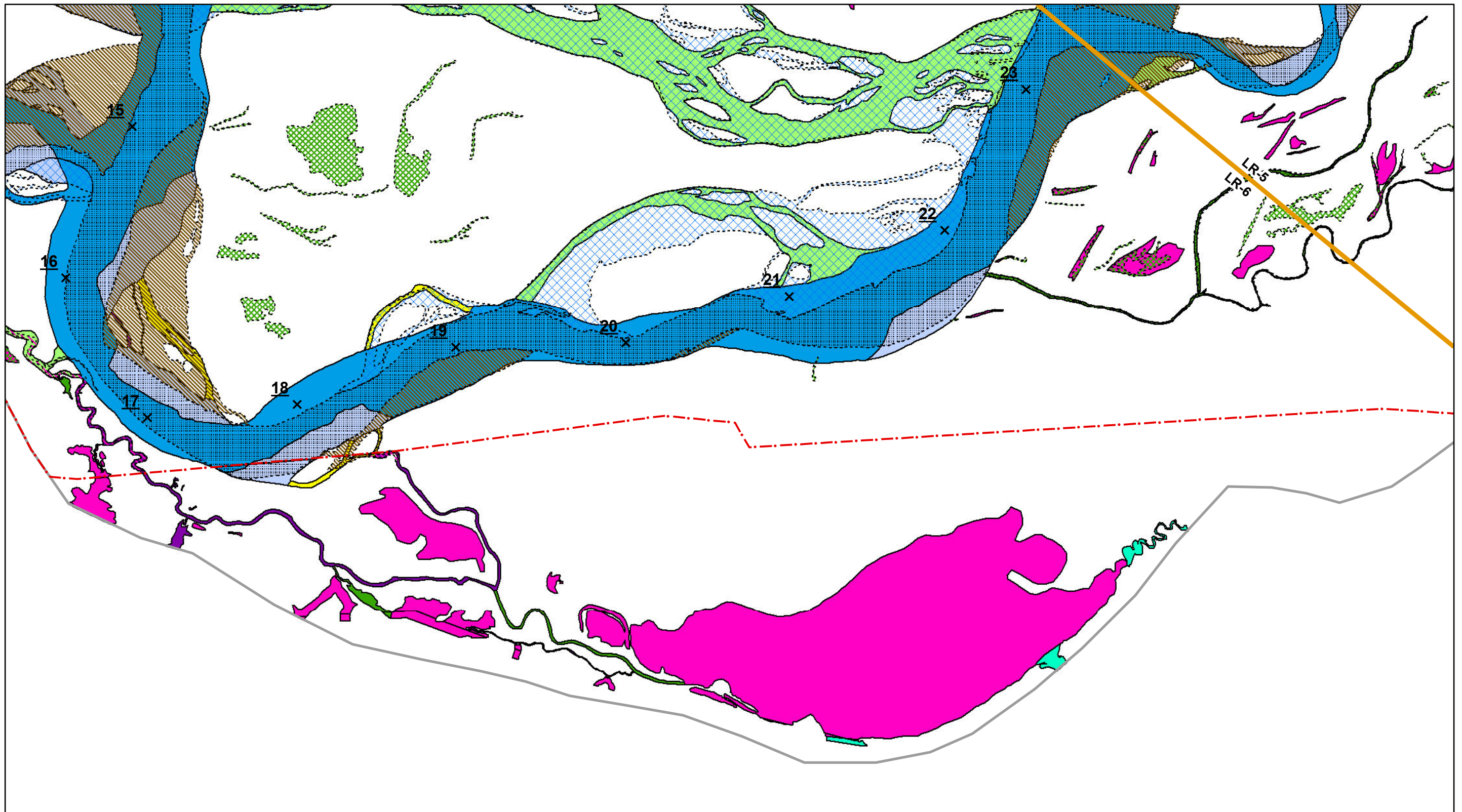
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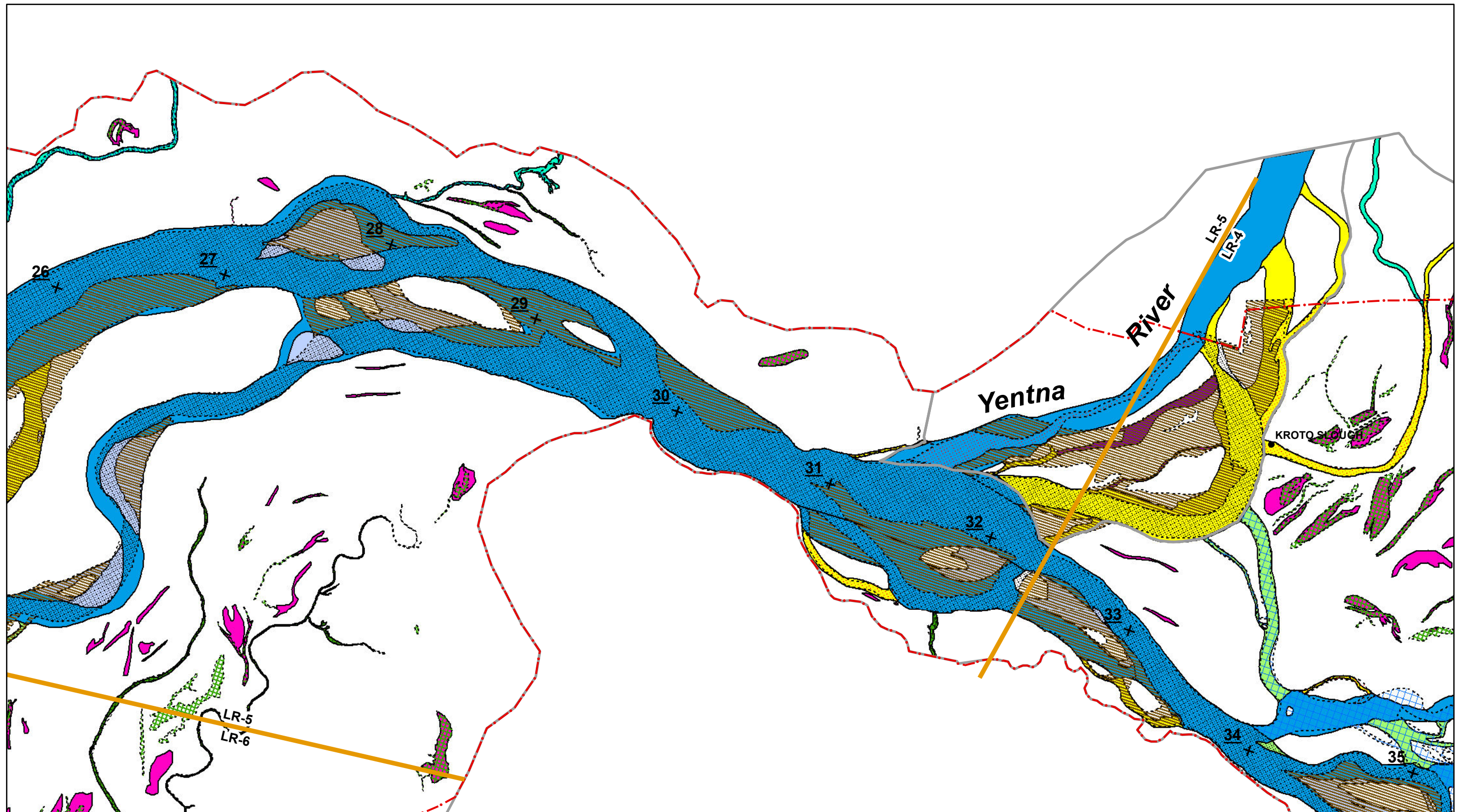
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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1983 to 2012







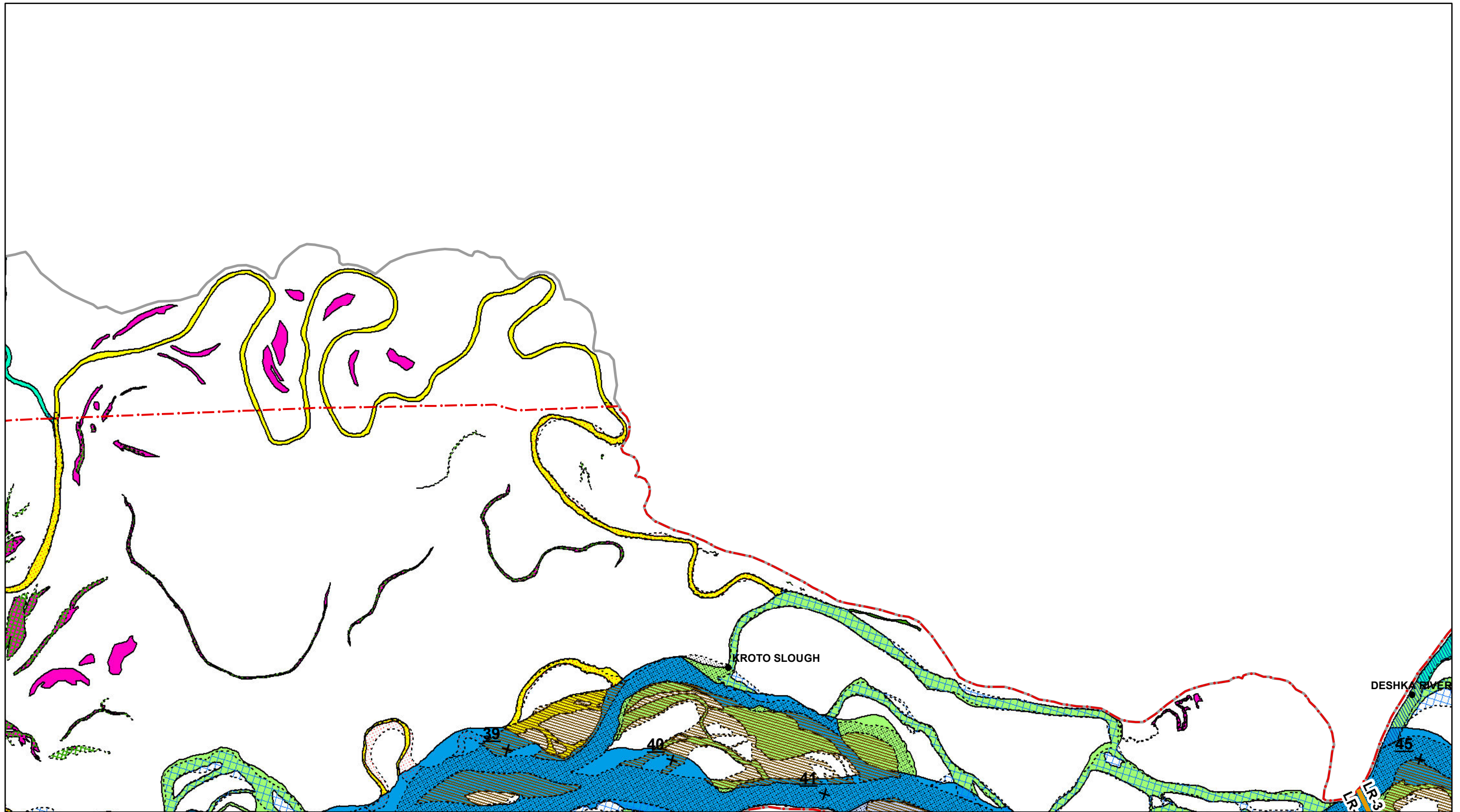


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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1983 to 2012

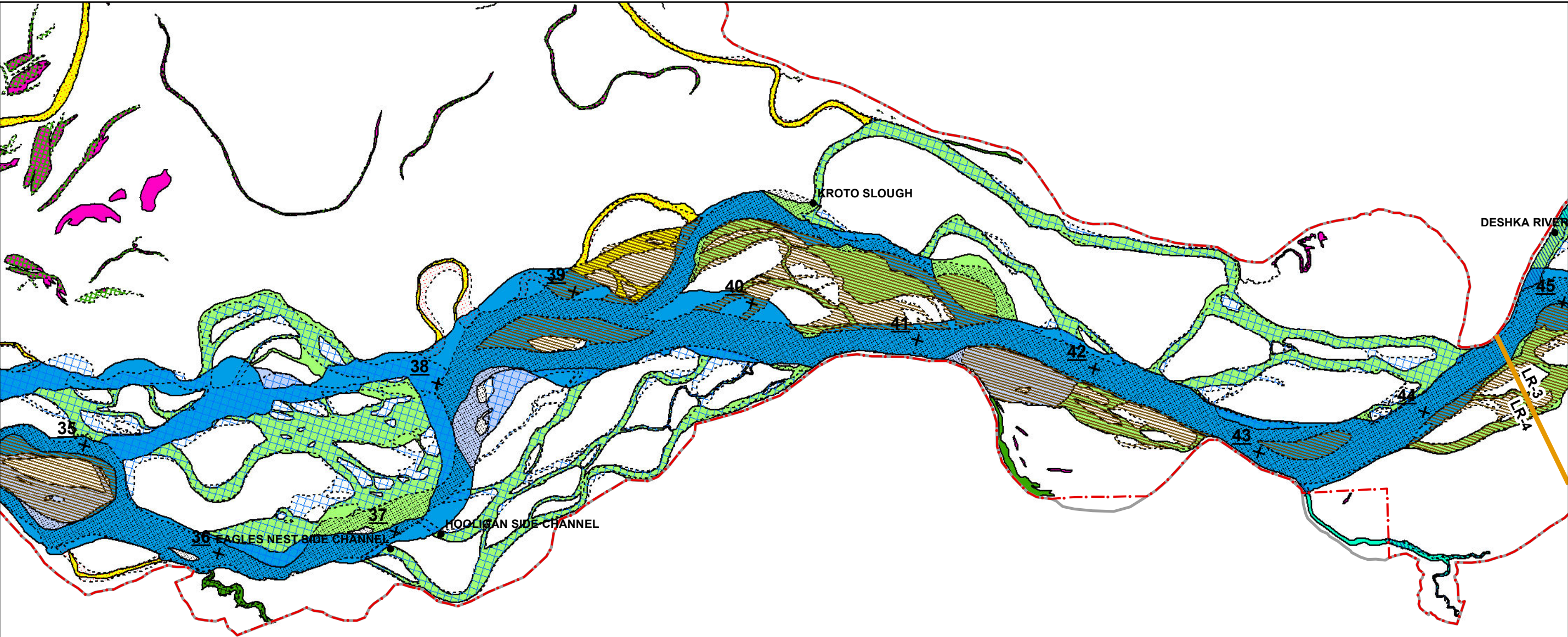


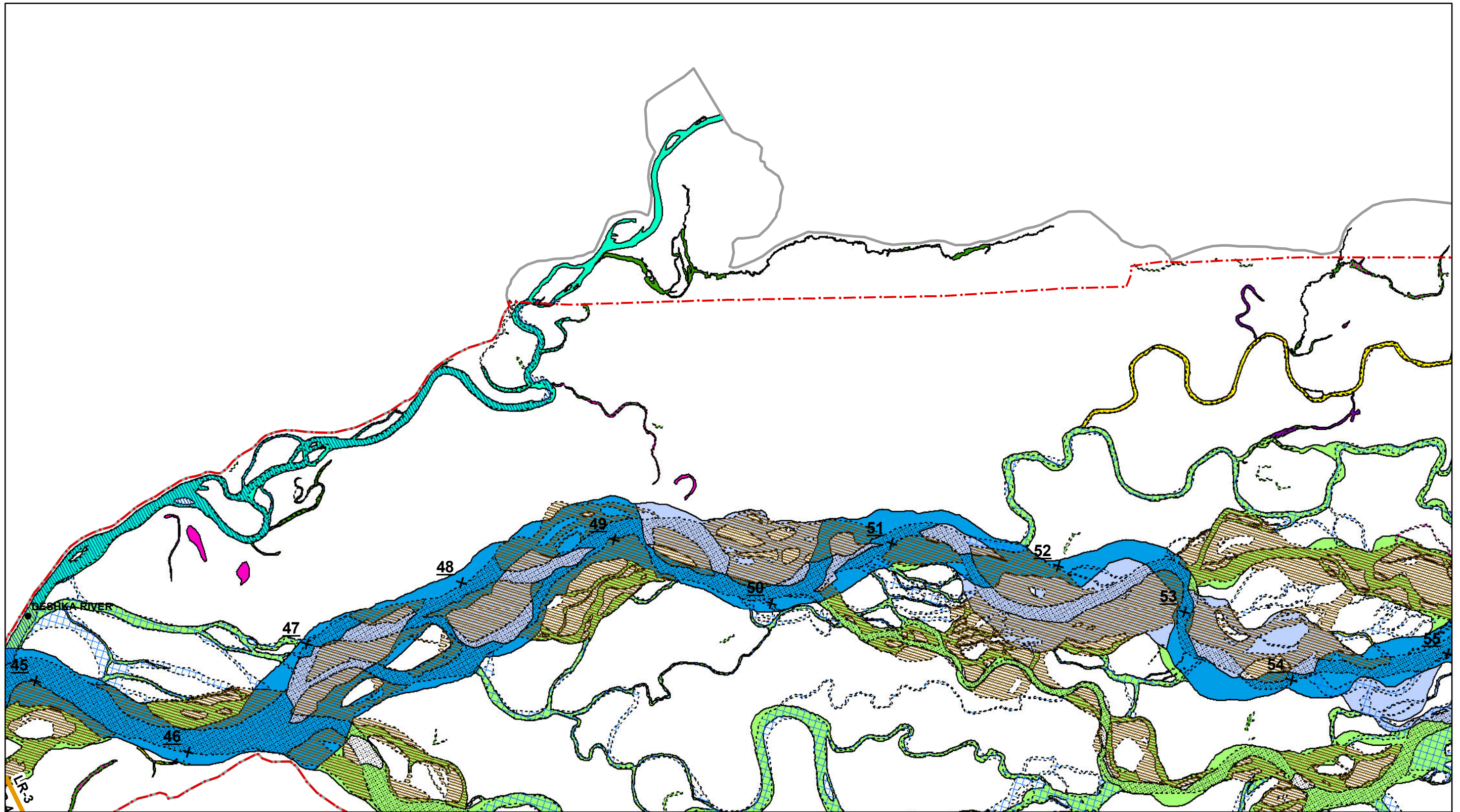


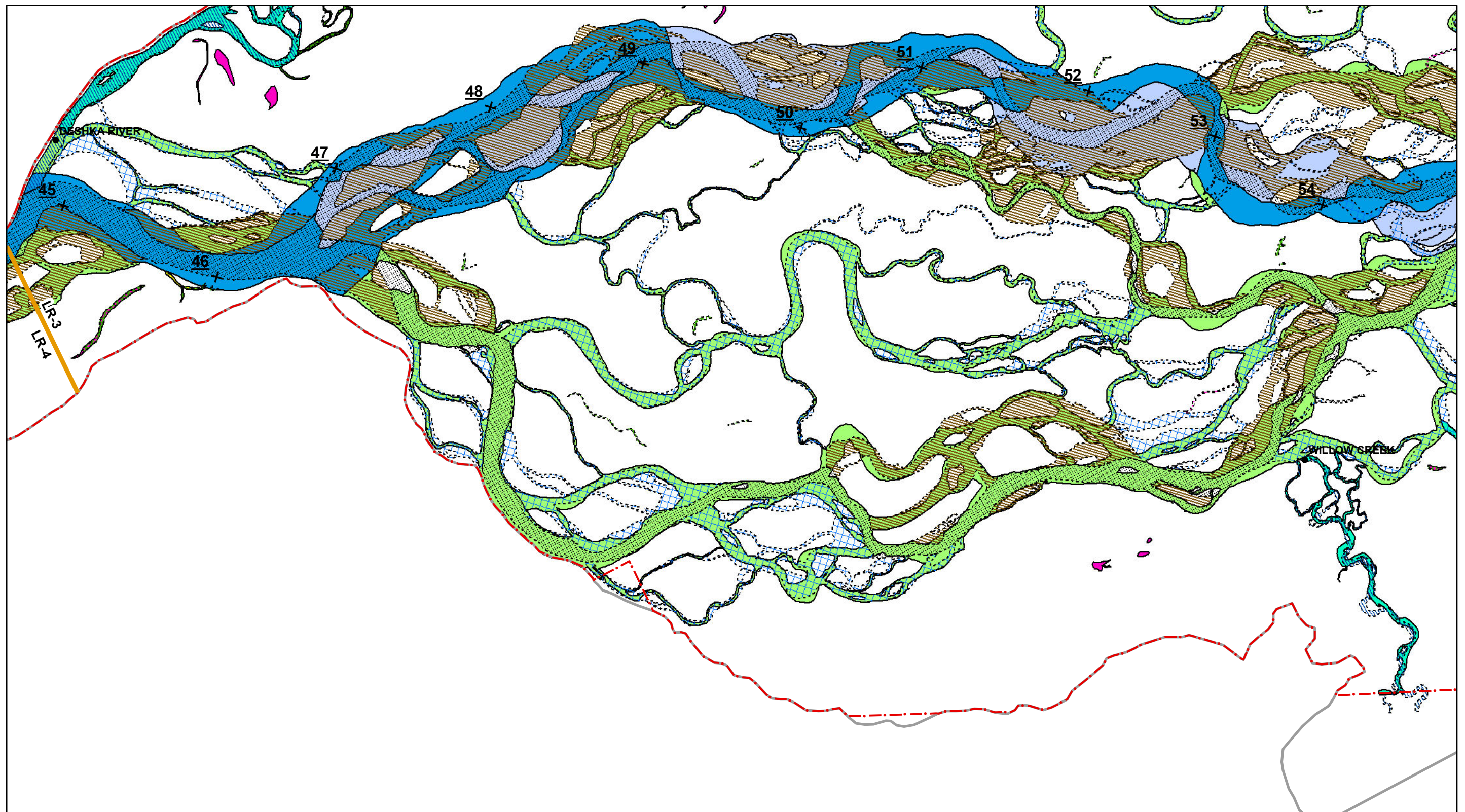
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Channel Change Overlay
1983 to 2012







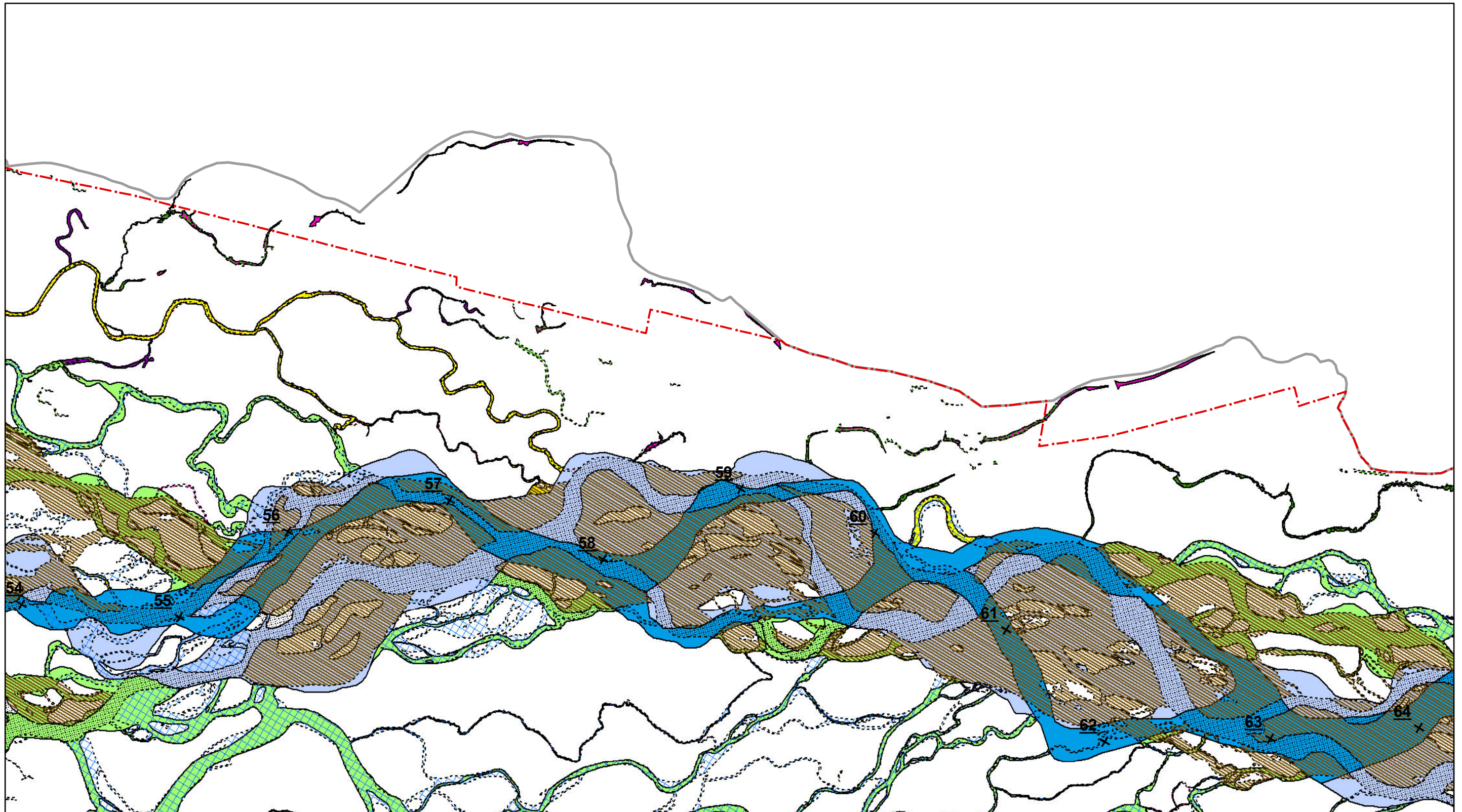


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1983 to 2012



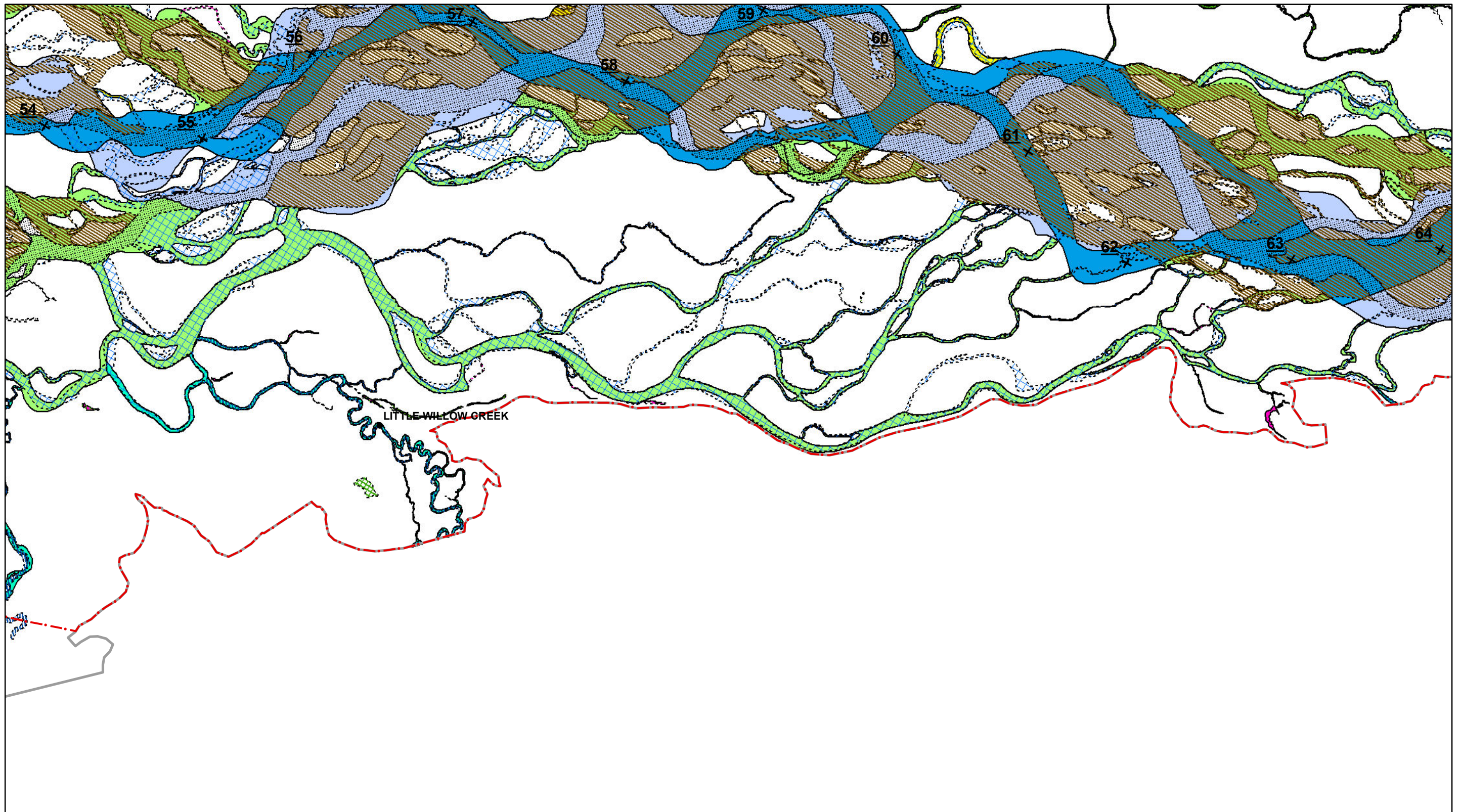


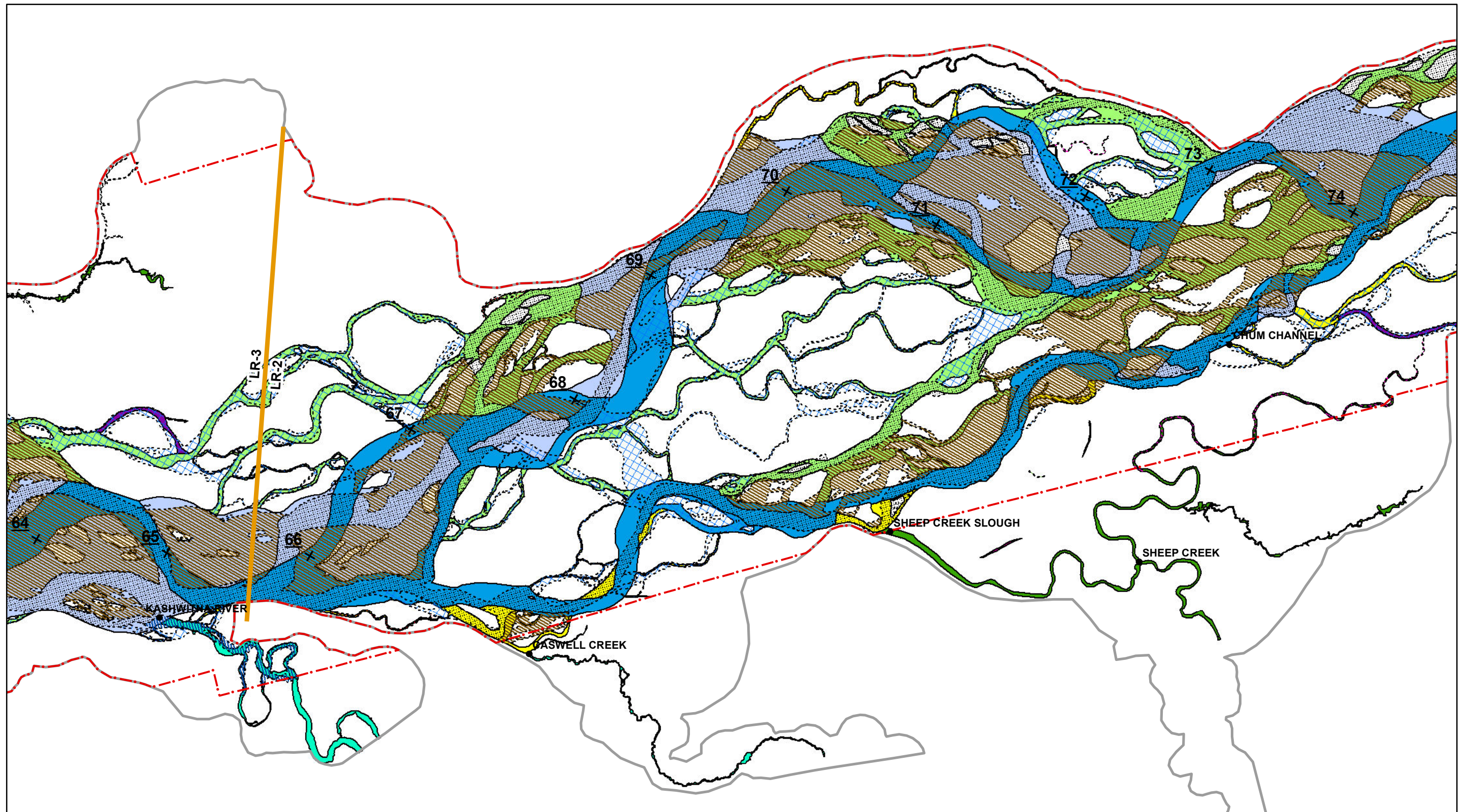
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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1983 to 2012



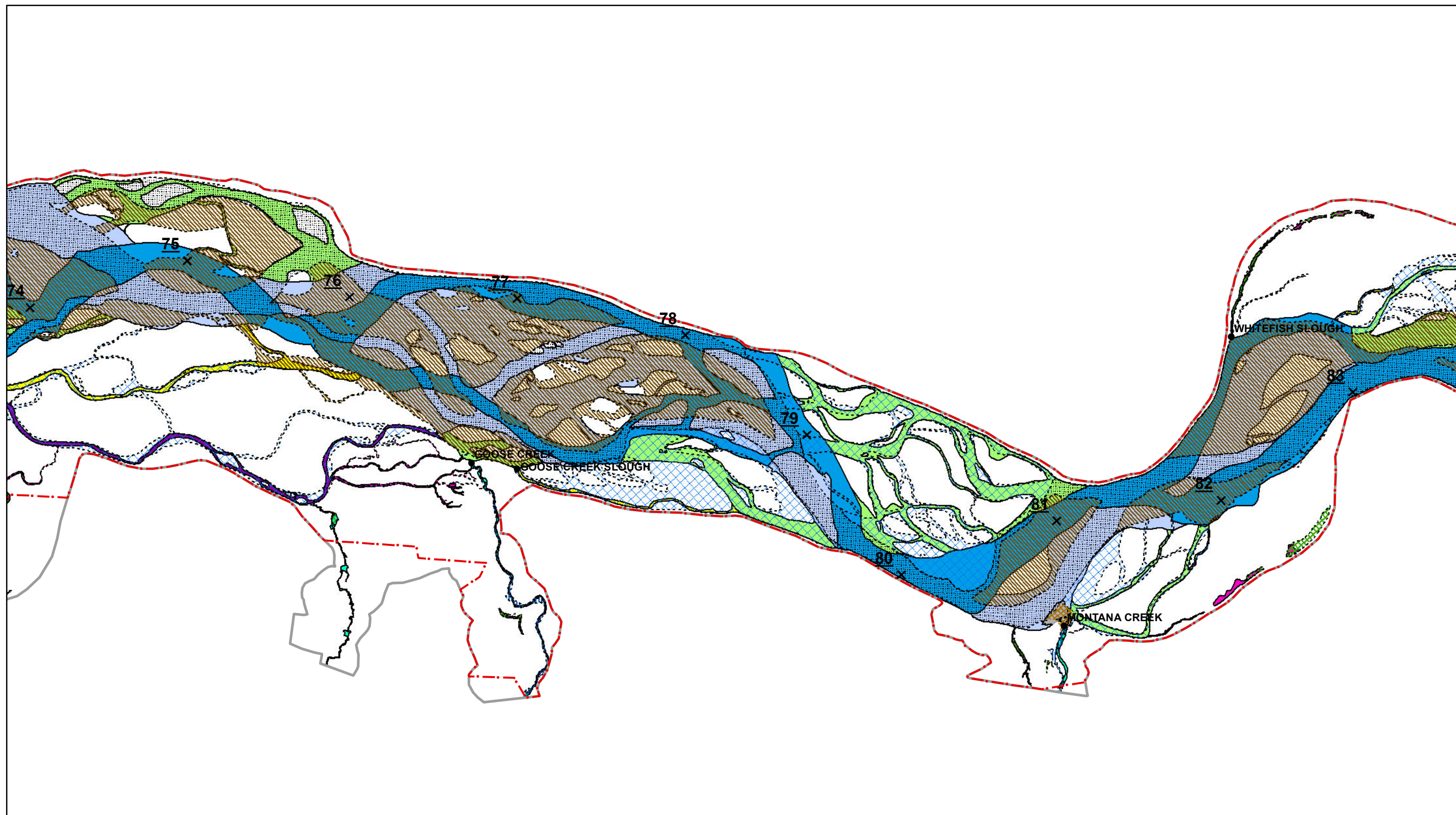




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LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1983 to 2012





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Sheet 13 of 18
See index page for legend and additional data information.

LOWER SUSITNA RIVER SEGMENT
Channel Change Overlay
1983 to 2012



