APPENDIX S. 2012 TO 2013 THREE RIVER CONFLUENCE 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

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

Prepared by

Tetra Tech Inc.

September 2014

150°W

149°30'W

62°20'N

61°10'N

Chulitna River

Talkeetna River

Susitna River

Sheet 13

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Sheet 3

Sheet 2

Sheet 1

Legend For Individual Mapbook Pages

- Project River Miles
- LR-1, MR-8, TK-1, CH-1 Erosion in Water Year 2012
- Geomorphic Reach Breaks
- Geomorphic Assessment Area Extents
- Focus Area Extents
- Analysis Extent Boundary

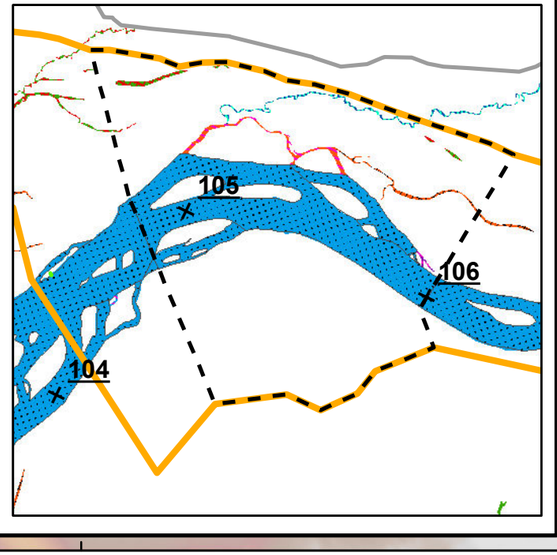
2012 Geomorphic Features

- Main & Side Channel Features
- Side Slough Features
- Tributary Features
- Upland Slough Features
- Another Open Water

2013 Geomorphic Features

- Main & Side Channel Features
- Side Slough Features
- Tributary Features
- Upland Slough Features
- Another Open Water

Example Mapbook Page Data



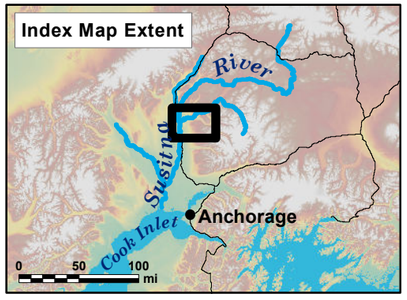
ALASKA ENERGY AUTHORITY

LR-1, MR-8, TK-1, CH-1 CHANNEL CHANGE OVERLAY 2012 - 2013

Legend

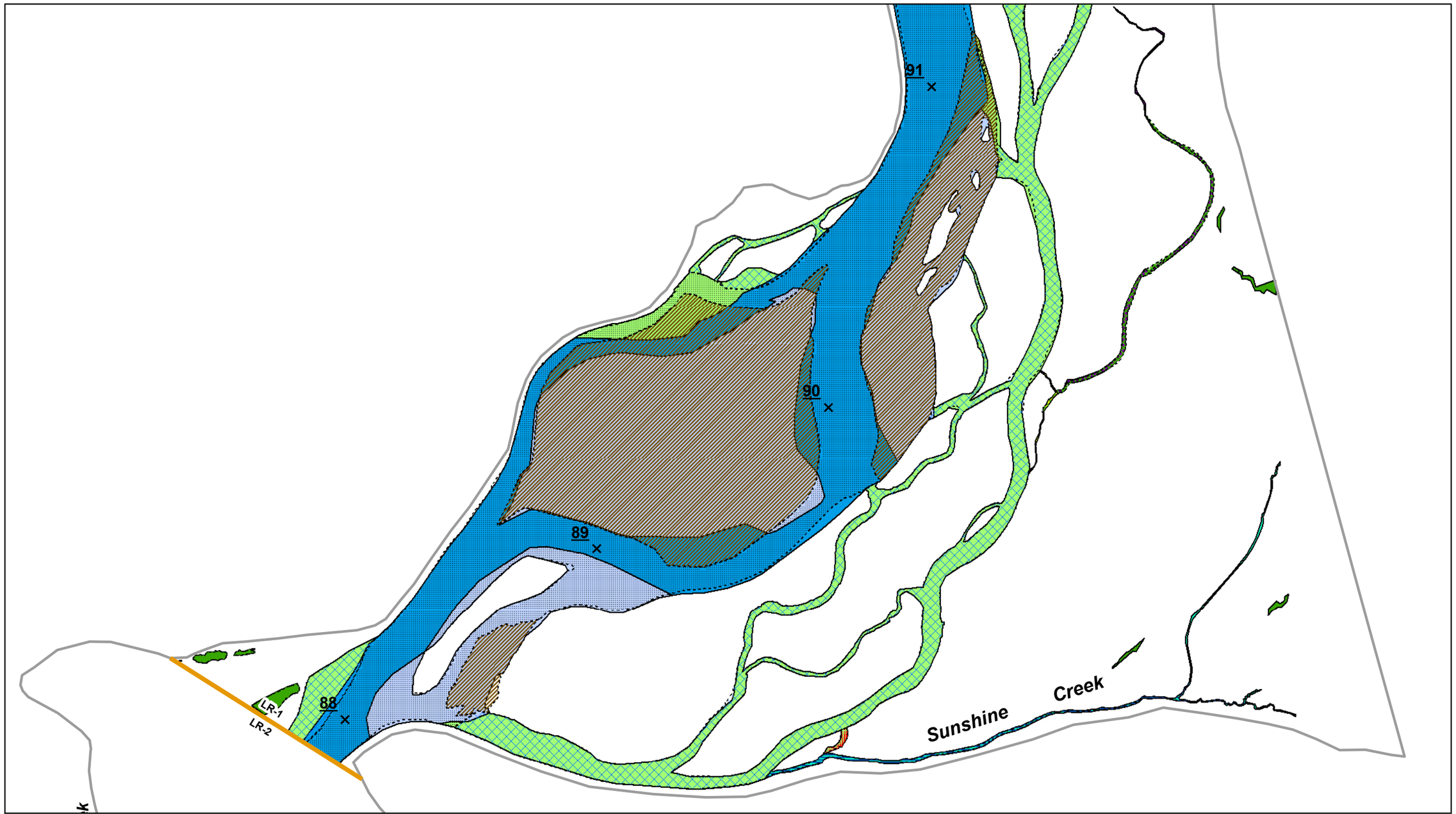
- Sheet Extent
- Roads
- Railroads
- Rivers and Streams
- Waterbodies

Data Sources: See Map References



0 3 6 mi

Projection: NAD83 State Plane Alaska 4 FIPS 5004 (ft)
Date Created: 9/3/2014
Map Author: Tetra Tech
File: 2012&2013_3RC_GeomFeat_quantify_Cover.mxd



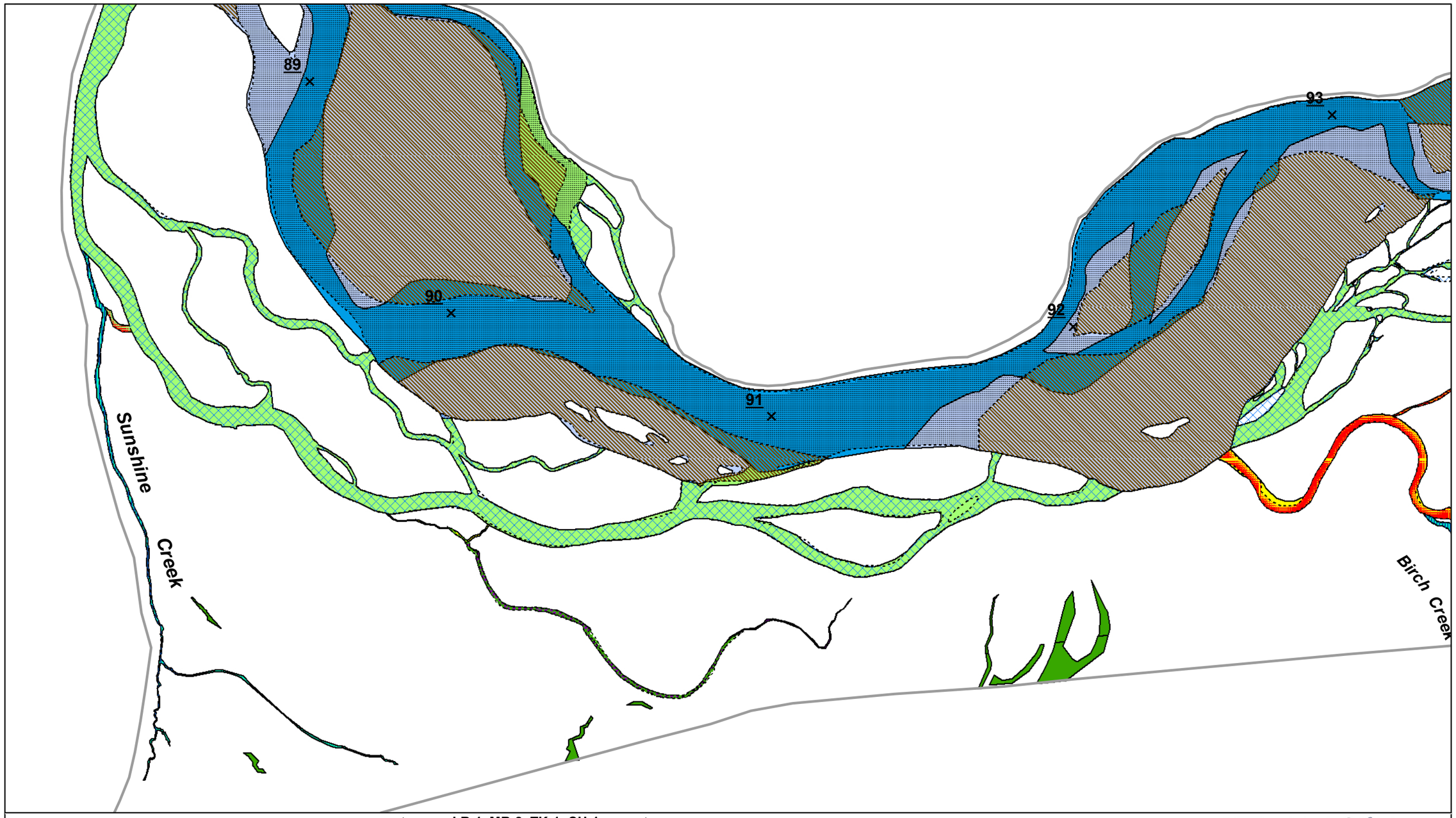
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See index page for legend and additional data information.

Sheet 1 of 13

LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



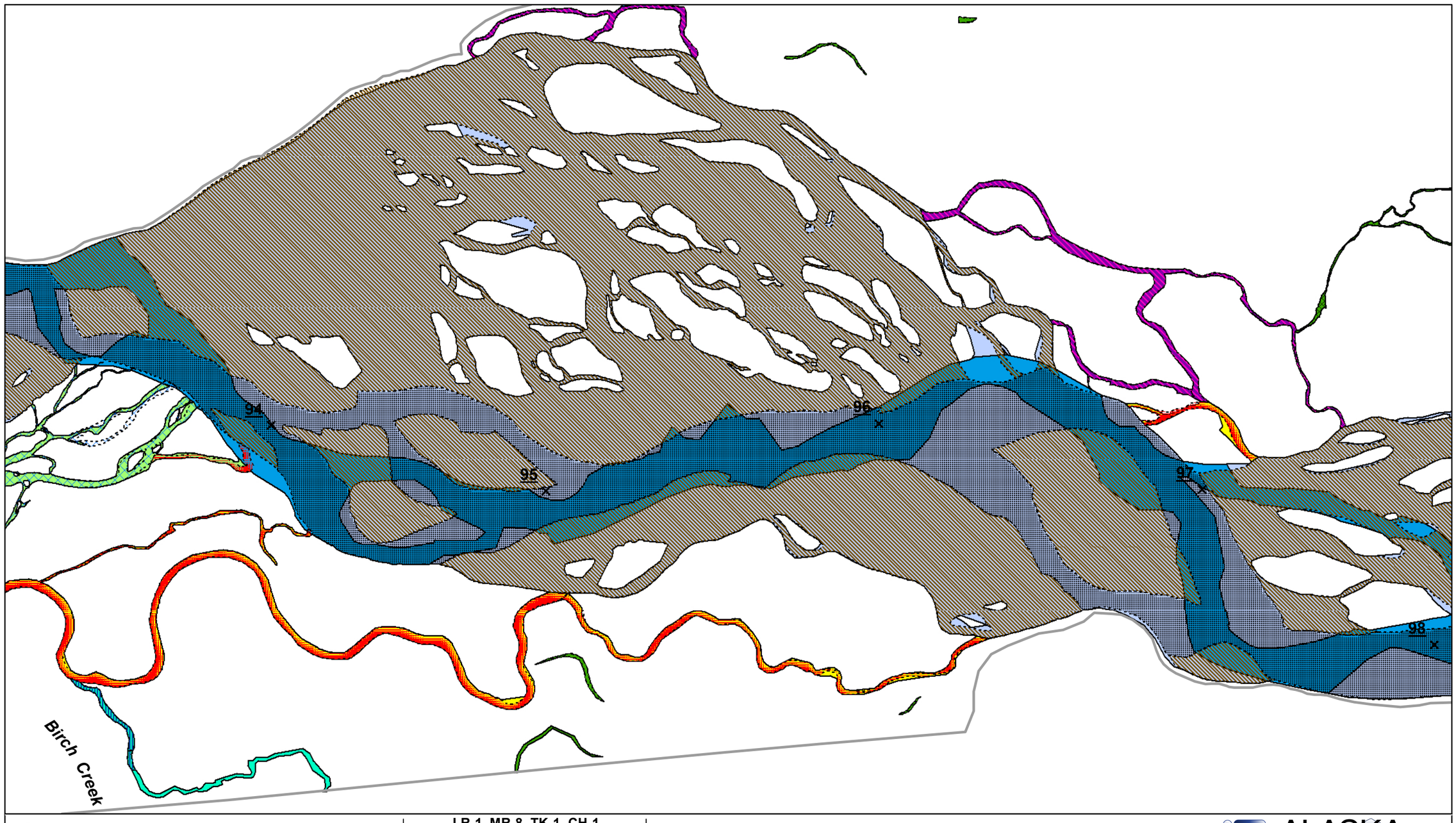
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



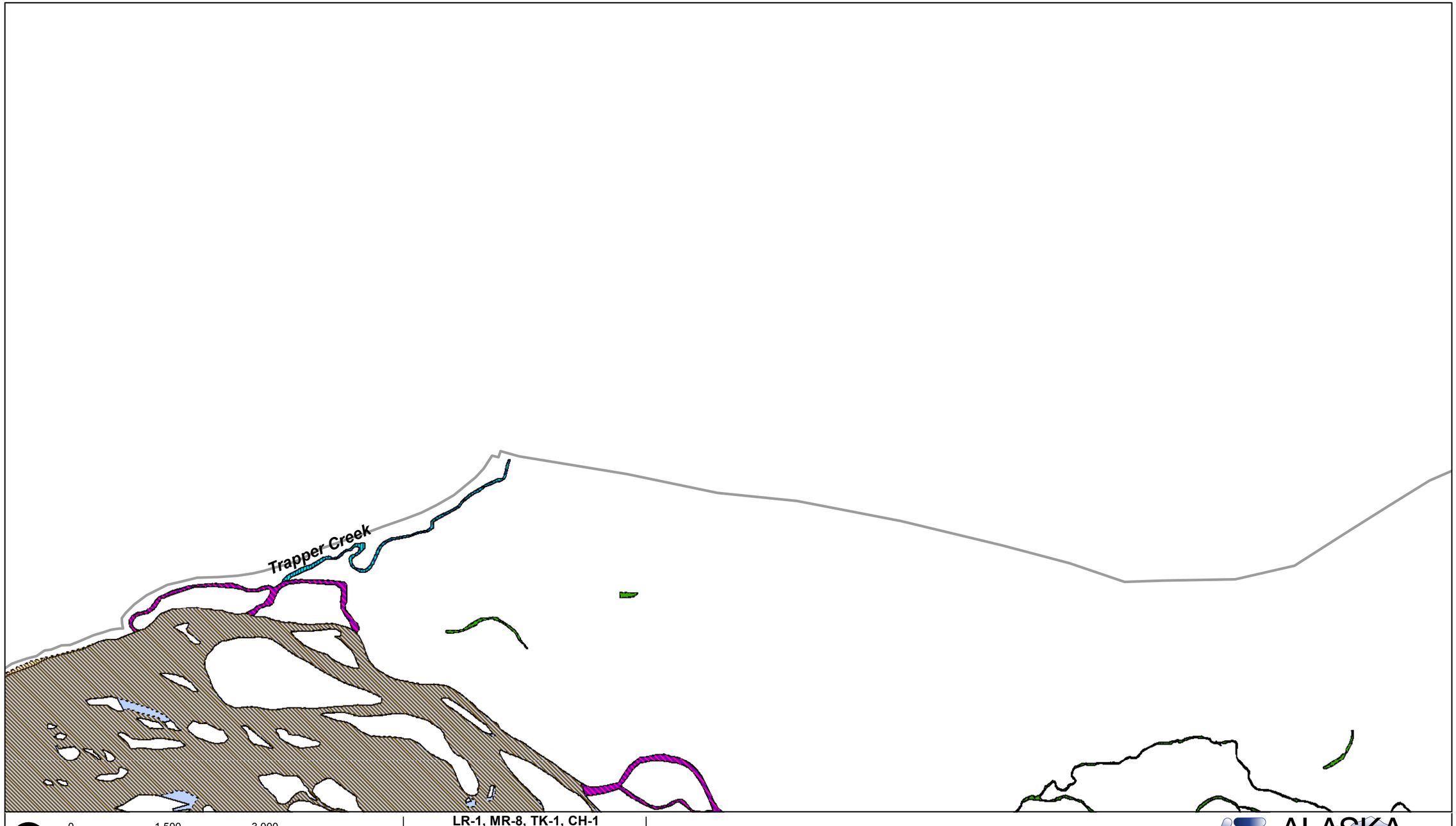
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



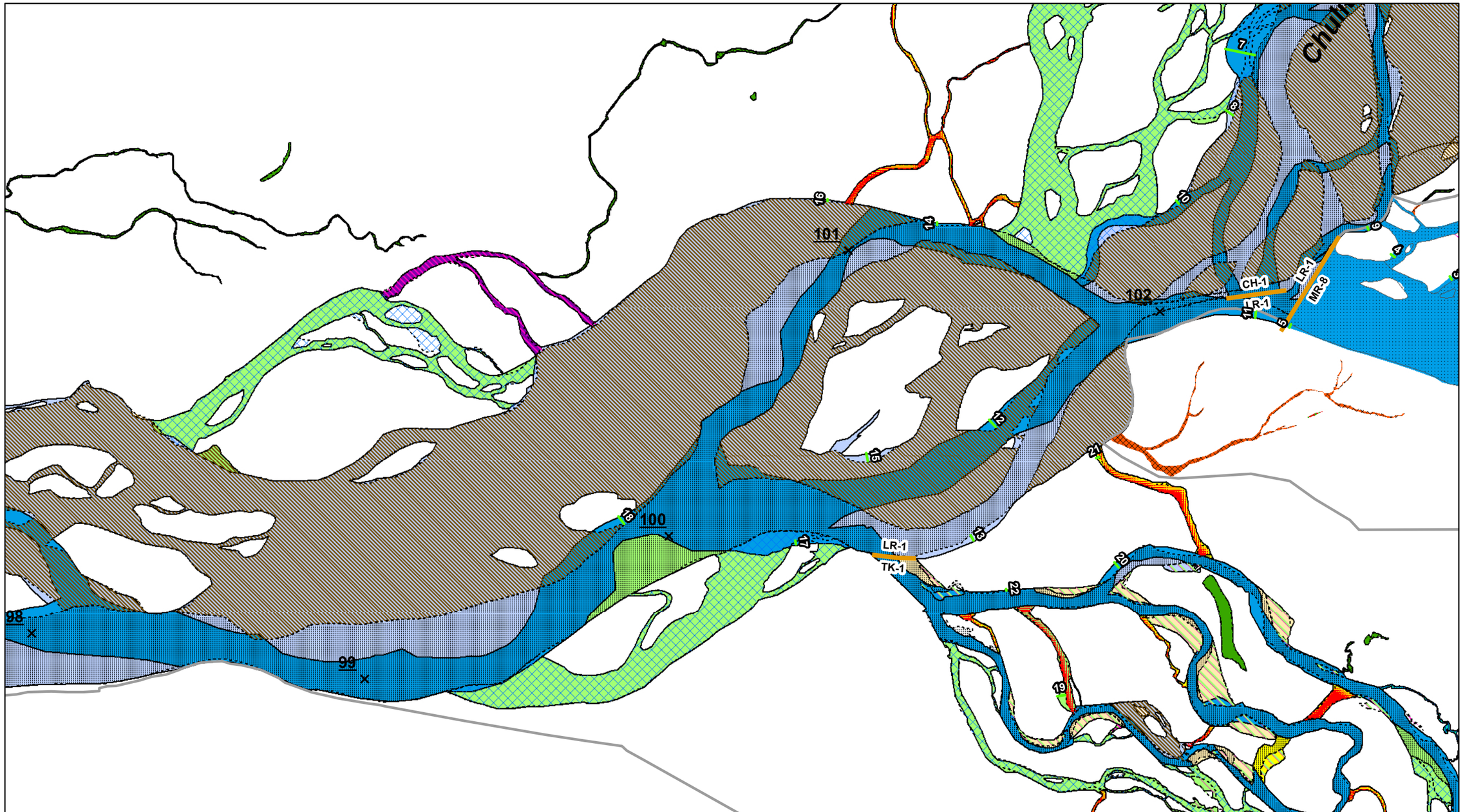
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



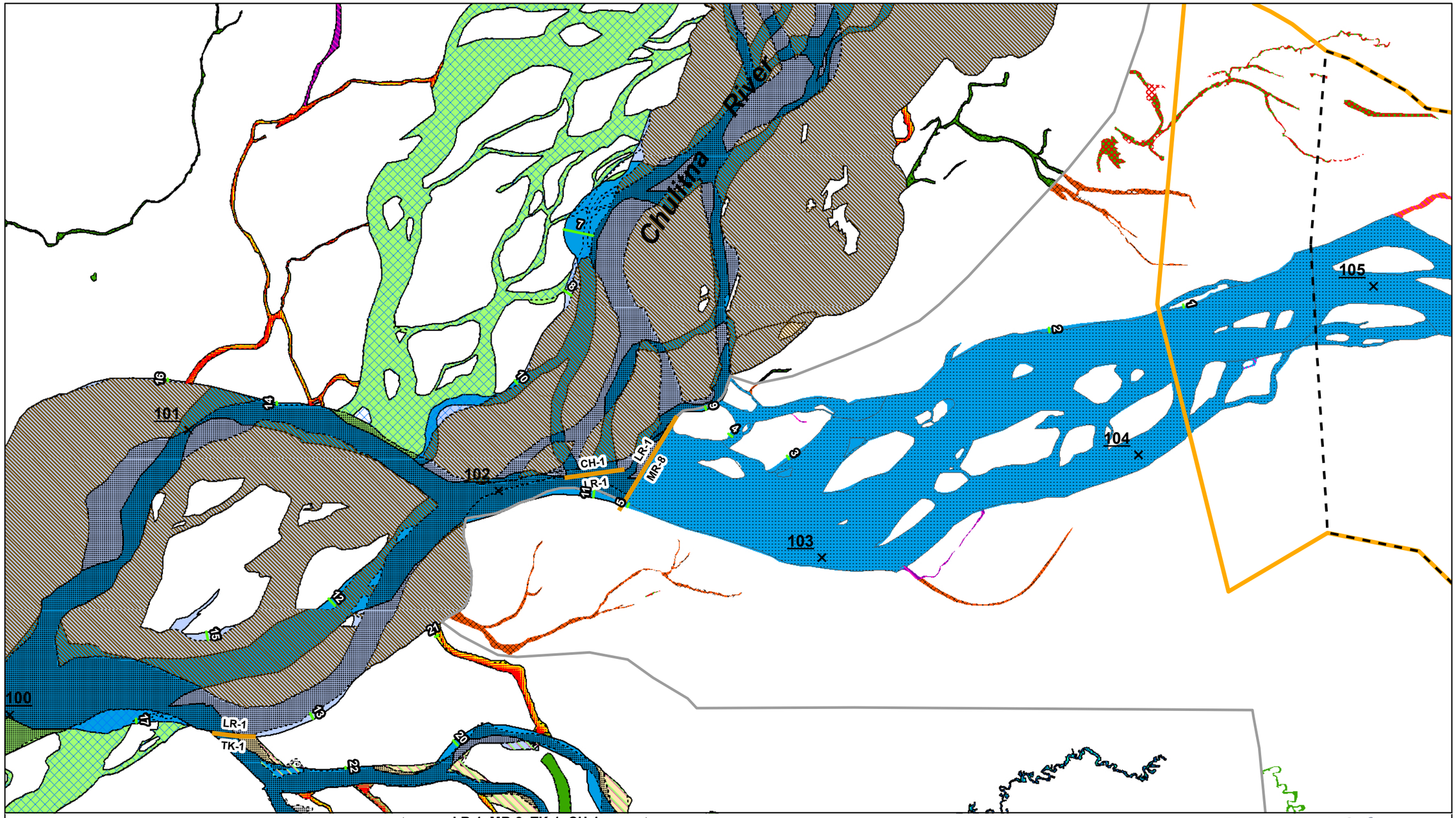
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



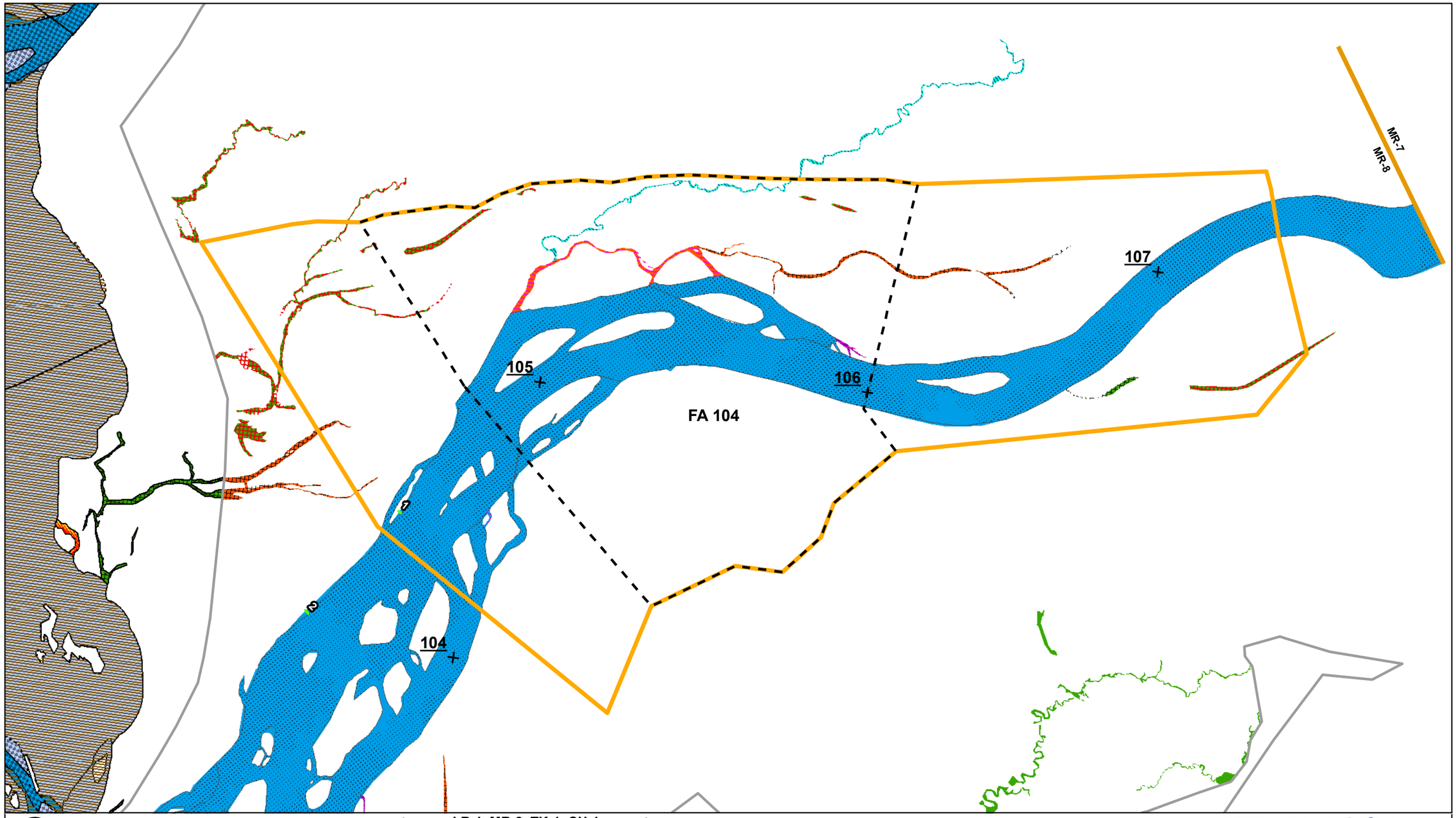
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



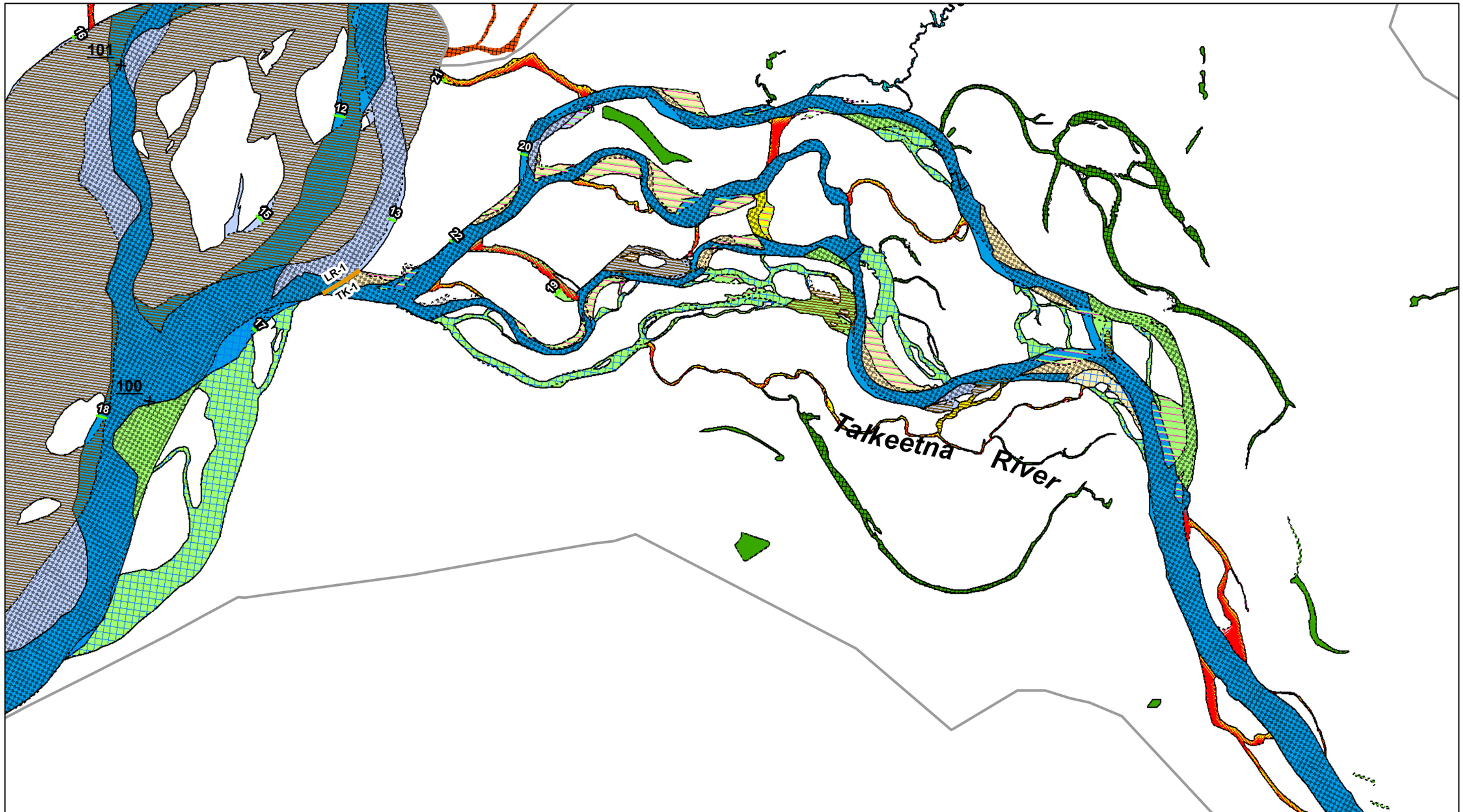
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



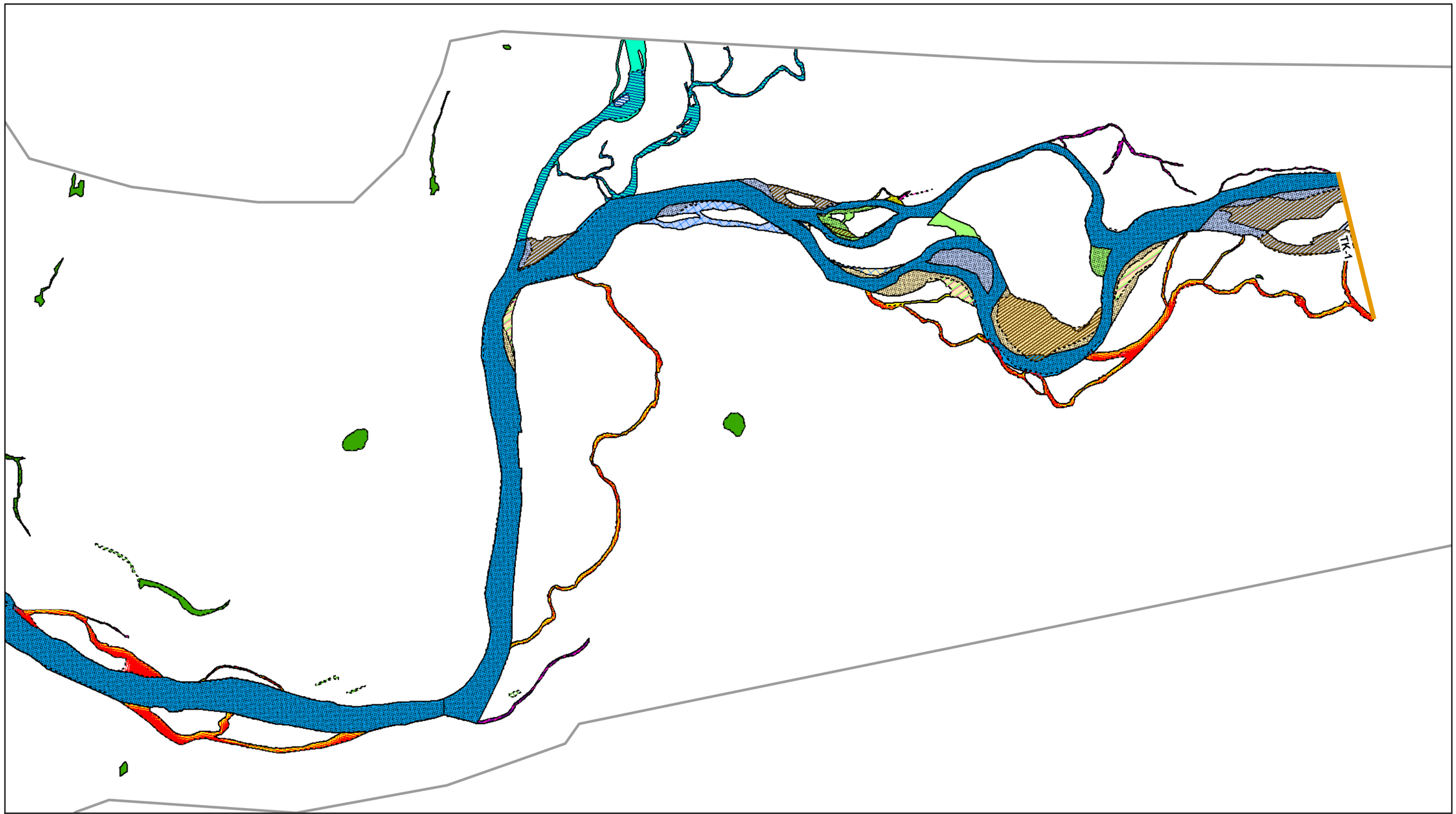
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



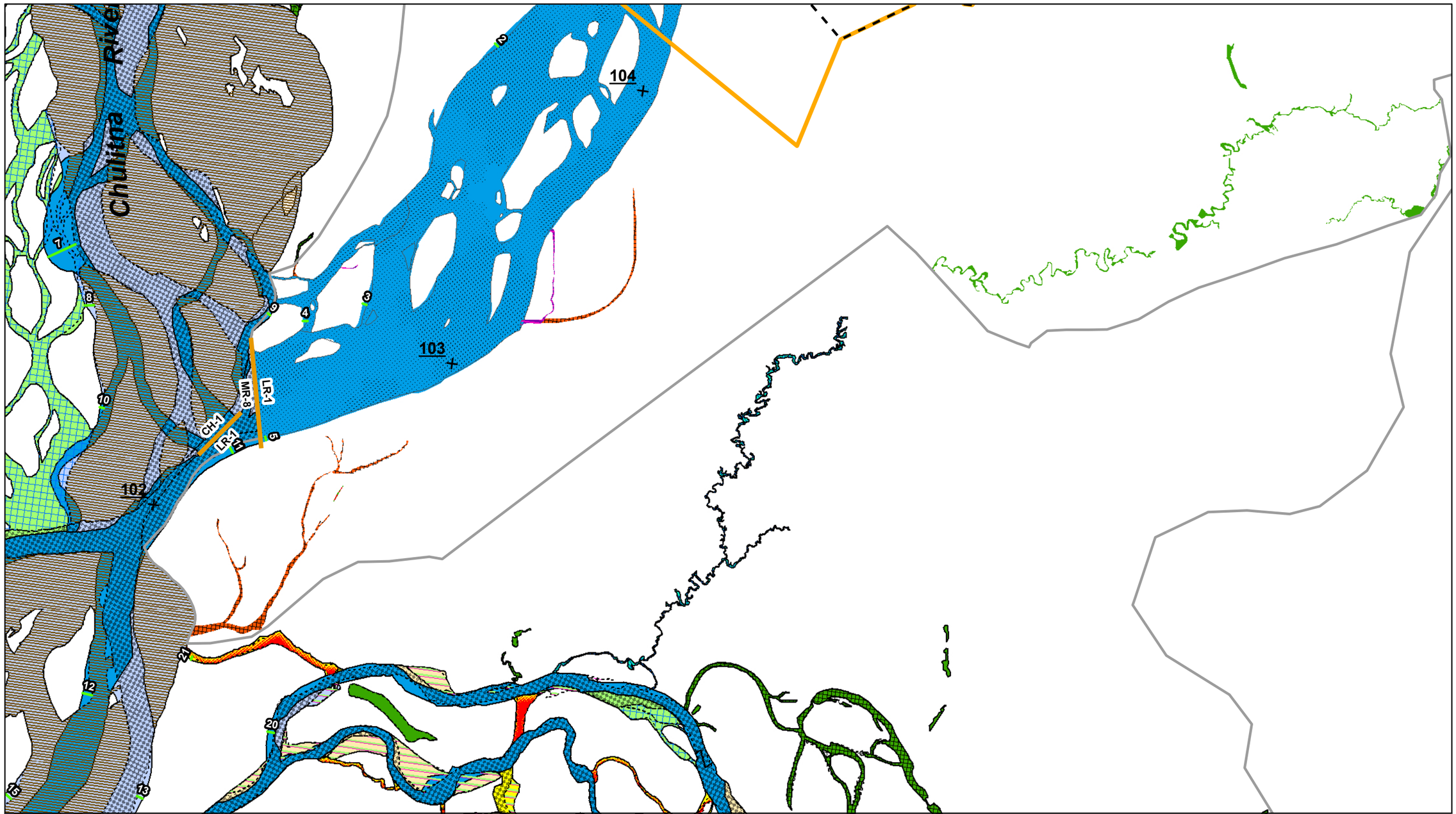
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



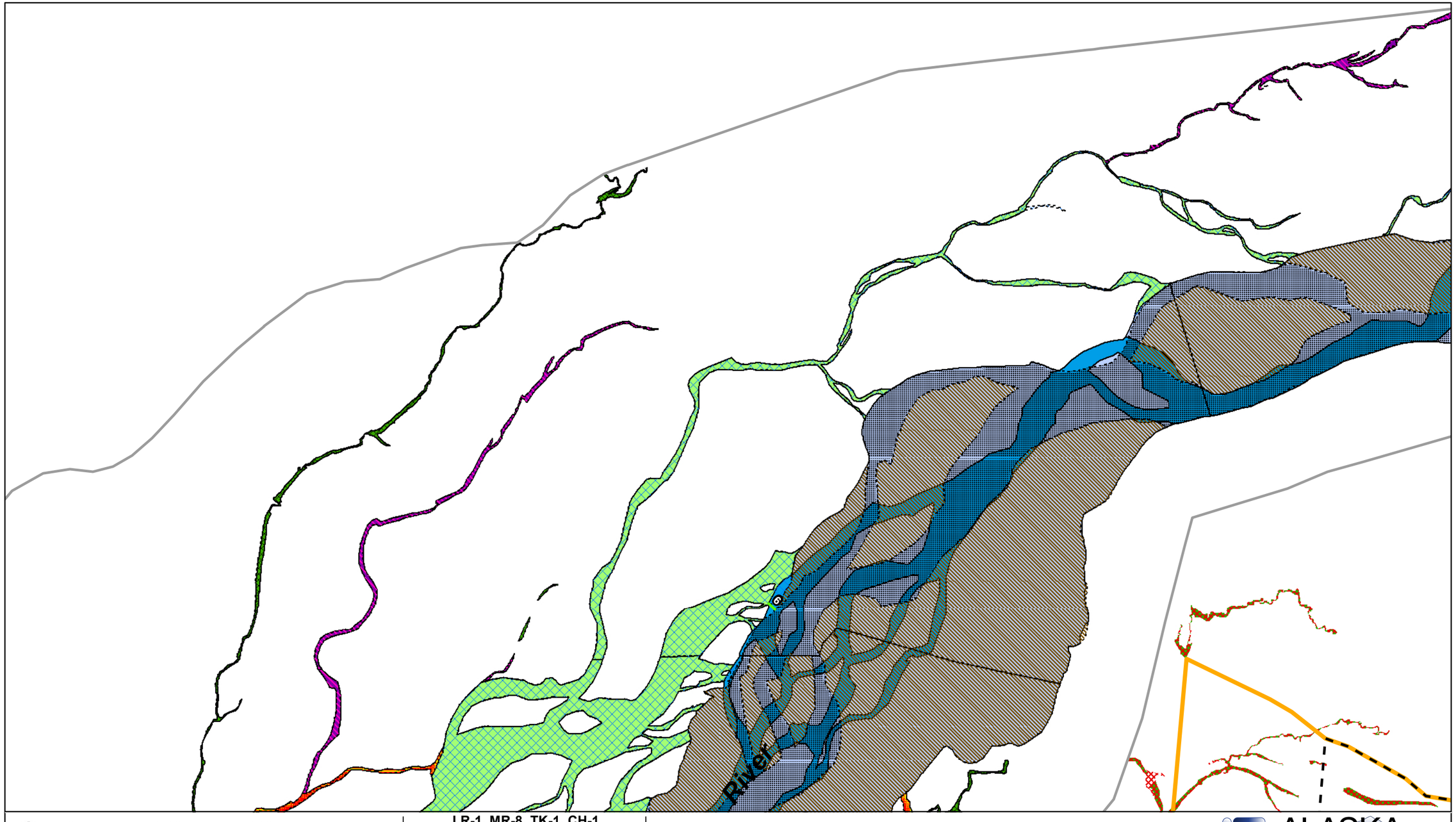
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

ALASKA ENERGY AUTHORITY



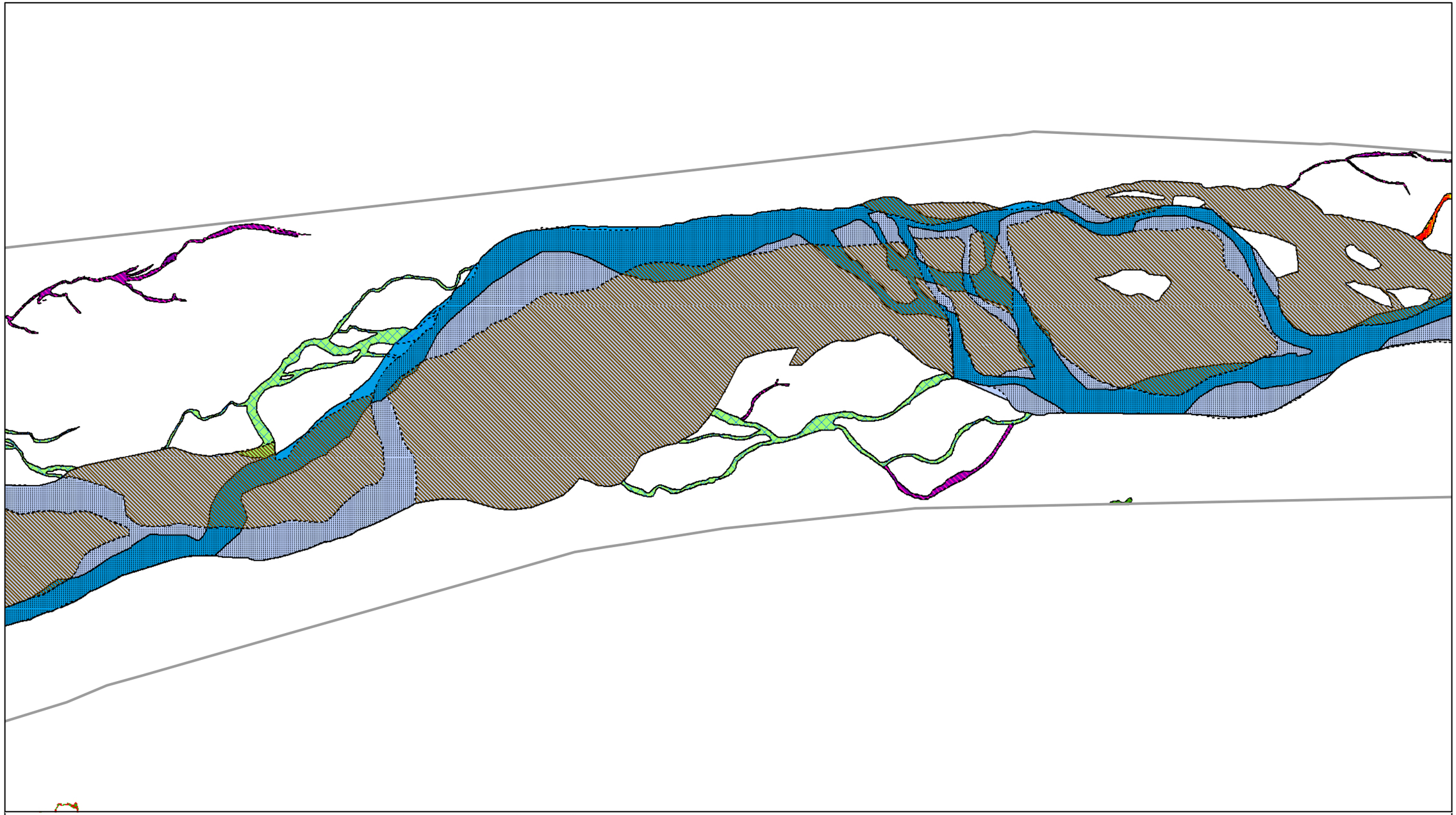
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See index page for legend and additional data information.

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

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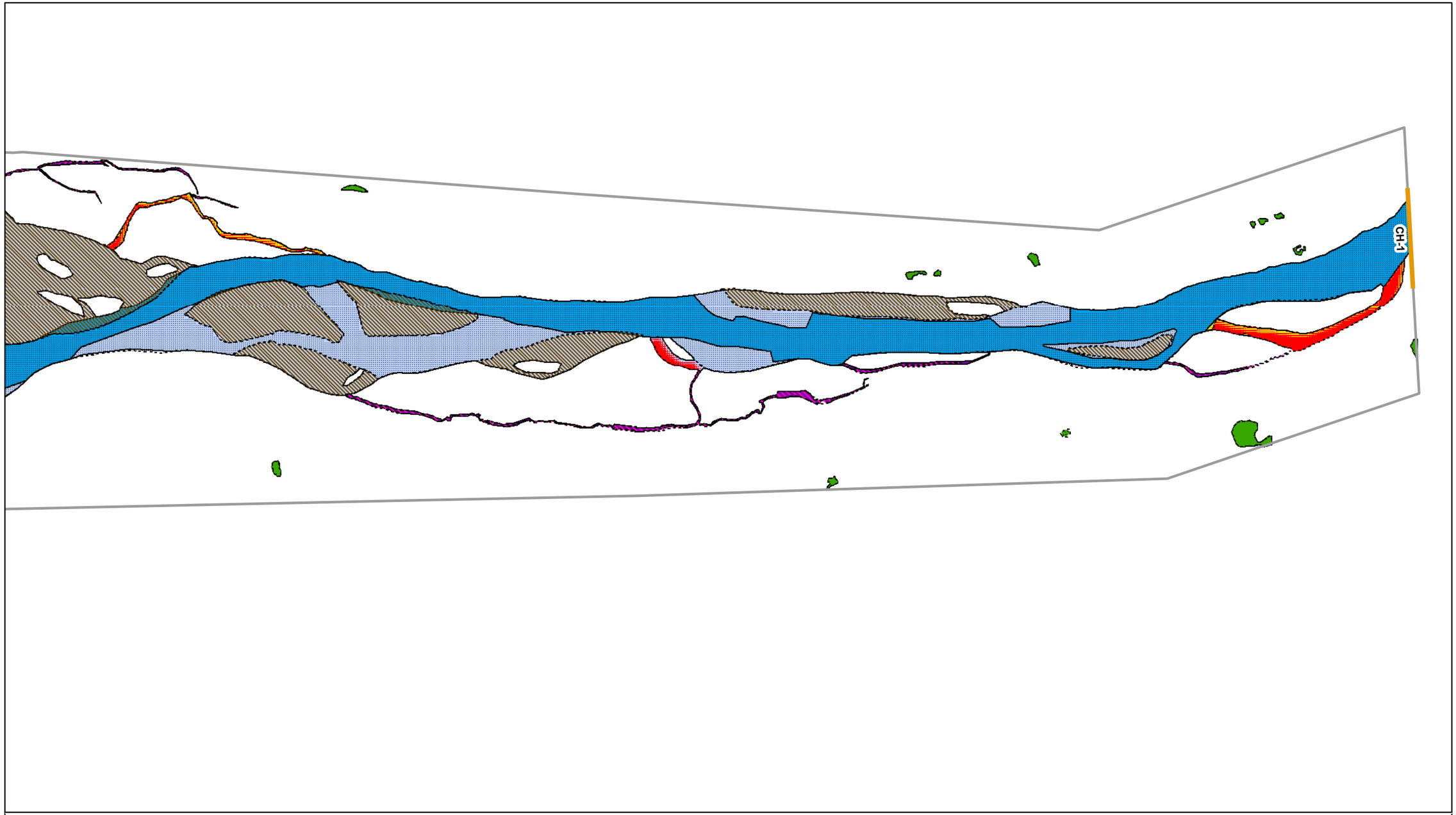
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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

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LR-1, MR-8, TK-1, CH-1
Channel Change Overlay
2012 - 2013

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