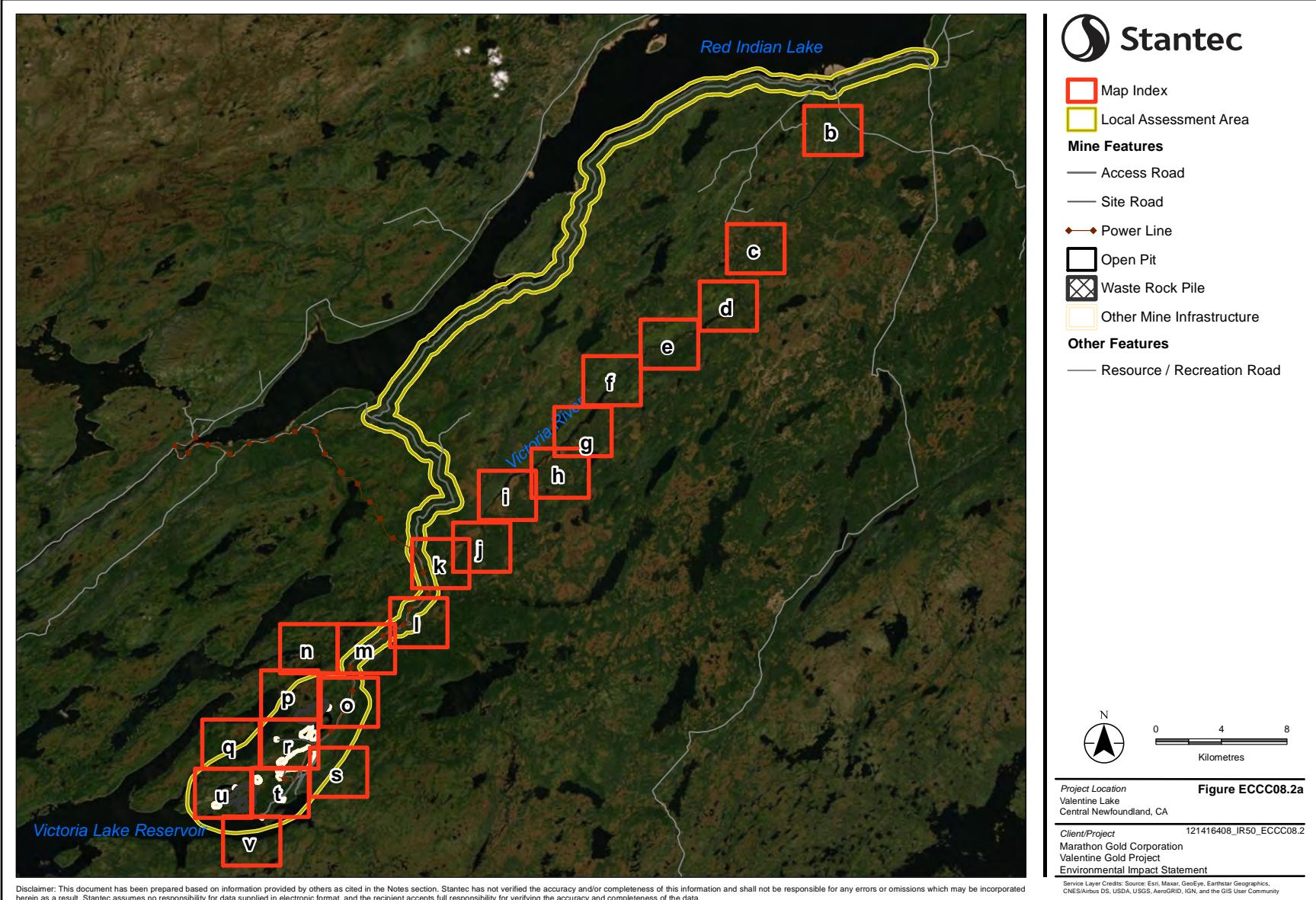


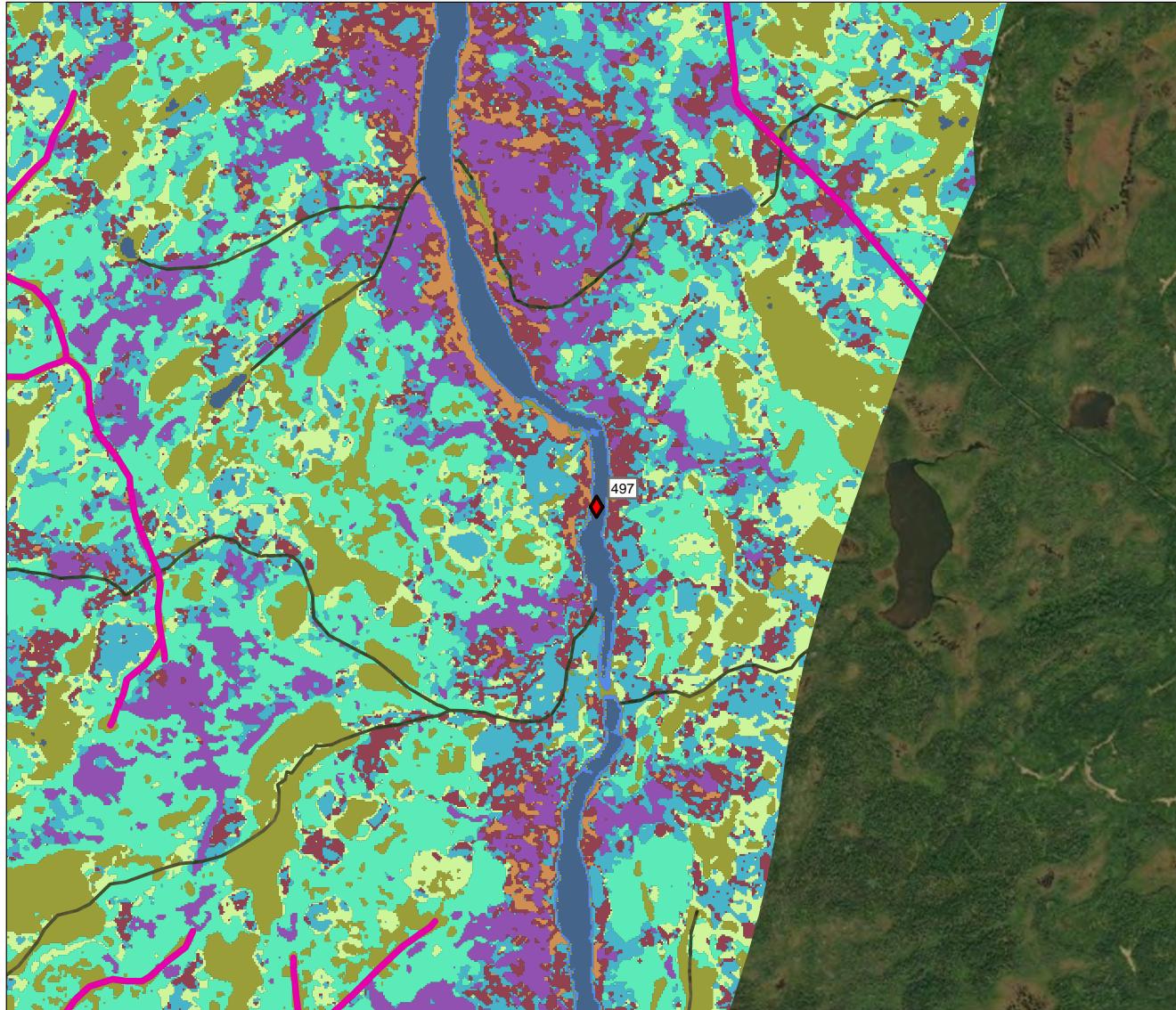
VALENTINE GOLD PROJECT: AMENDMENT TO THE ENVIRONMENTAL IMPACT STATEMENT

August 2021

**APPENDIX J
ECCC-08 MAPBOOK**







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2011 Summer Brood
Waterfowl Observation

ELC

- ◆ Anthropogenic
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition



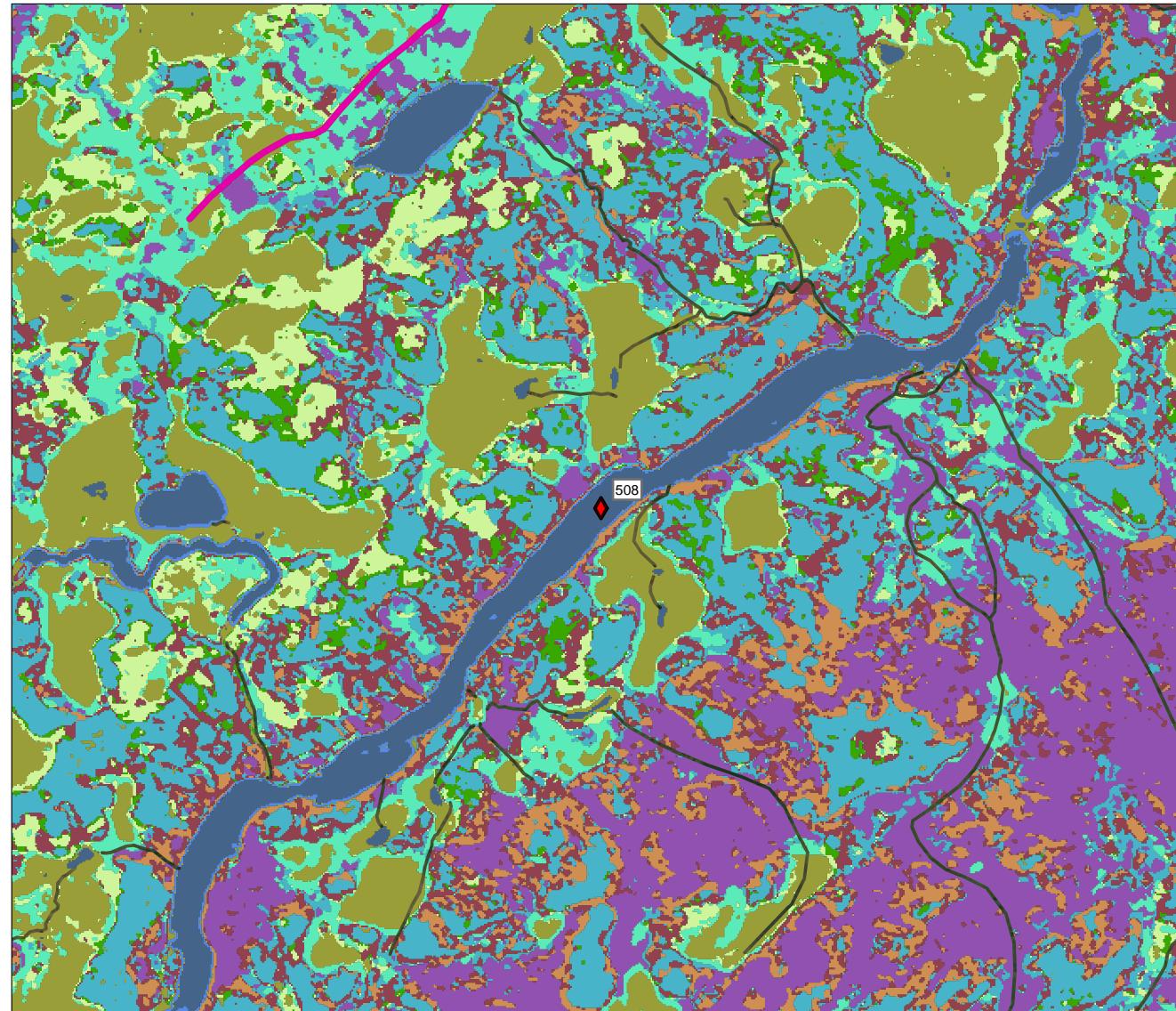
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECCC08.2b

Client/Project 121416408_IR50_ECCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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Stantec

◆ 2011 Summer Brood
Waterfowl Observation

ELC

- ◆ Anthropogenic
- ◆ Shrub Fen/Shrub Bog
- ◆ Open Water
- ◆ Black Spruce Forest
- ◆ Balsam Fir Forest
- ◆ Alder Thicket
- ◆ Kalmia-Black Spruce Forest
- ◆ Mixedwood Forest
- ◆ Regenerating Forest
- ◆ Riparian Transition
- ◆ Wet Coniferous Forest



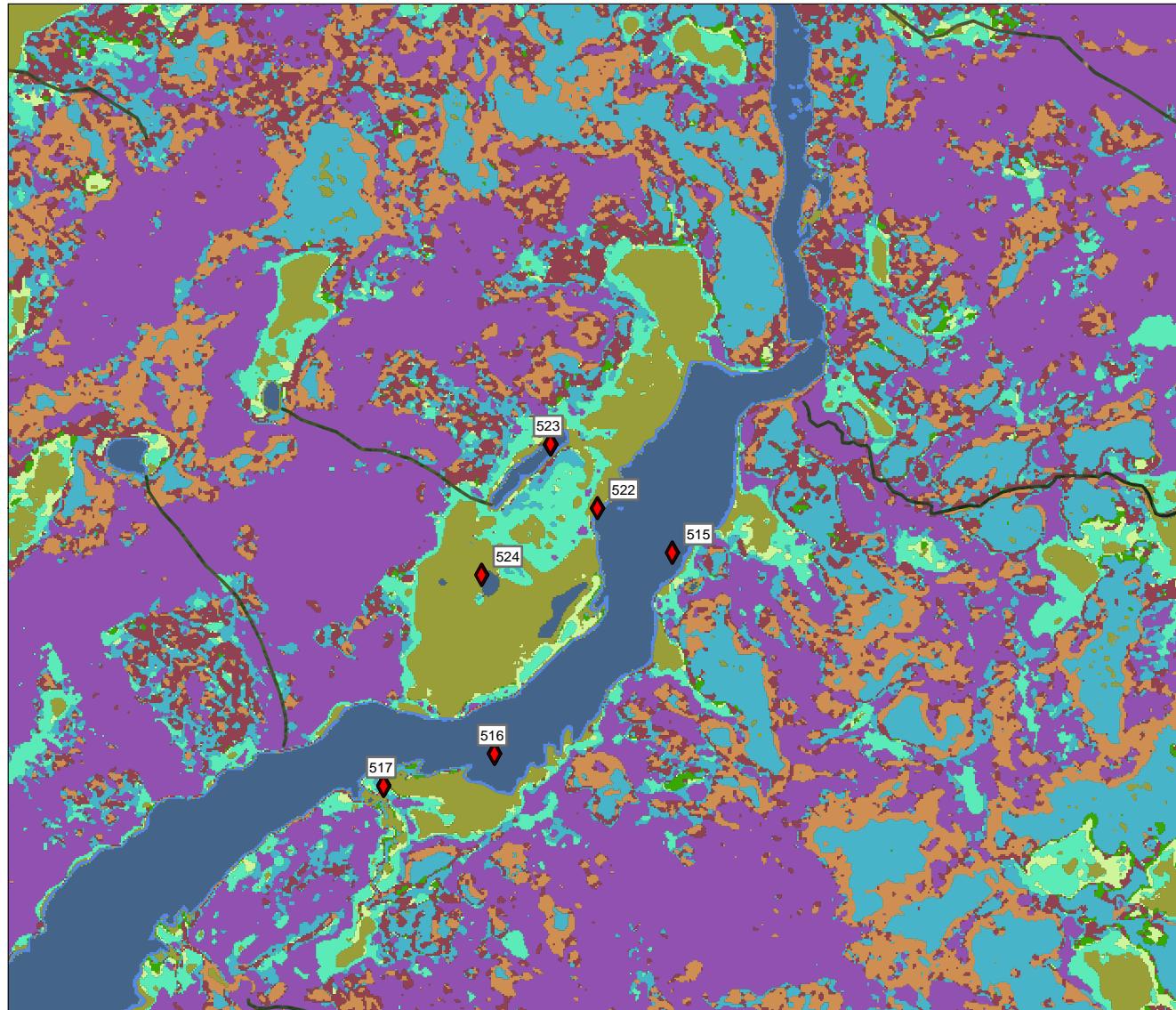
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECCC08.2c

Client/Project 121416408_IR50_ECCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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2011 Summer Brood
Waterfowl Observation

ELC

- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



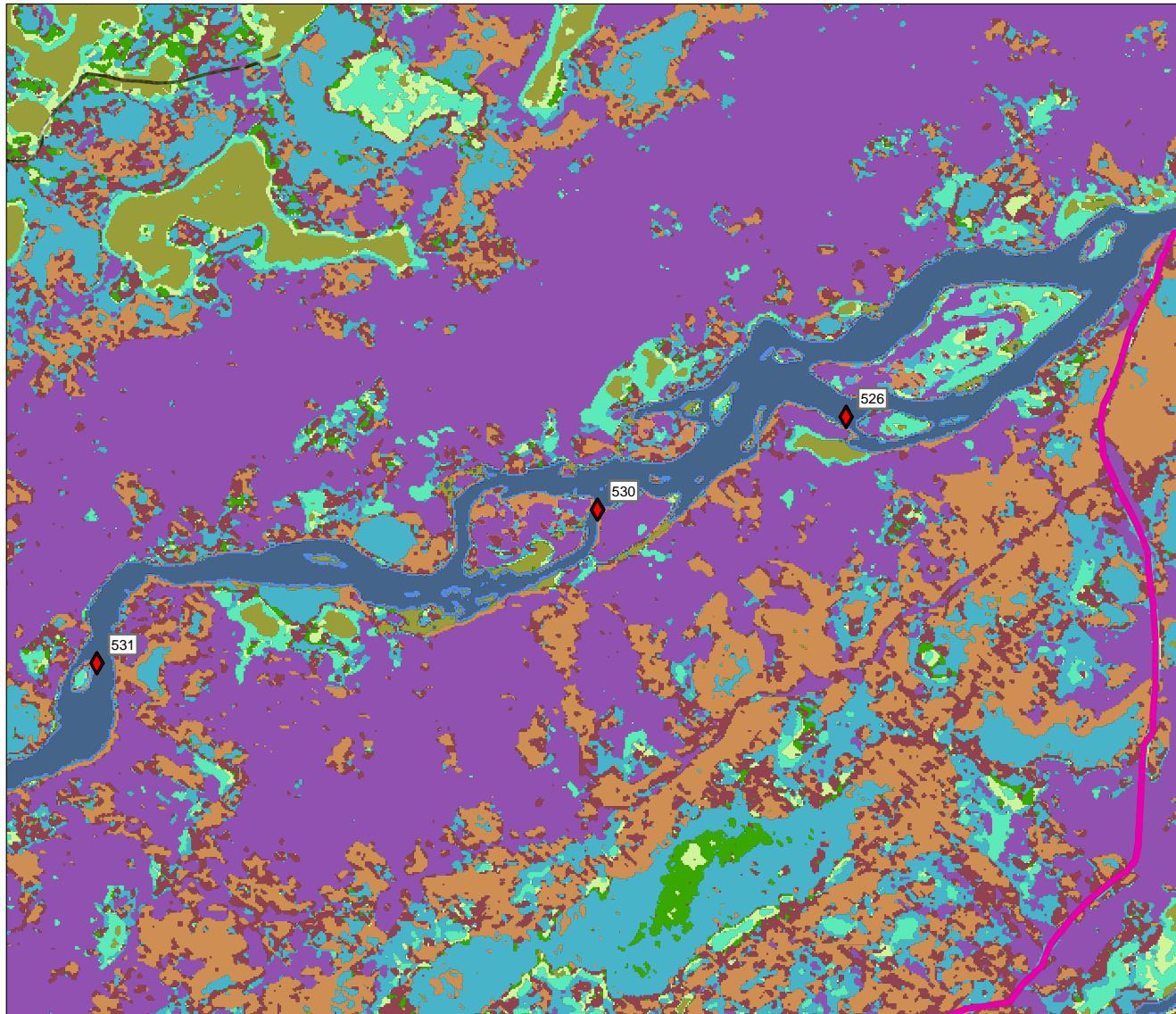
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2d

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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Stantec

◆ 2011 Summer Brood
Waterfowl Observation

ELC

- Anthropogenic
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



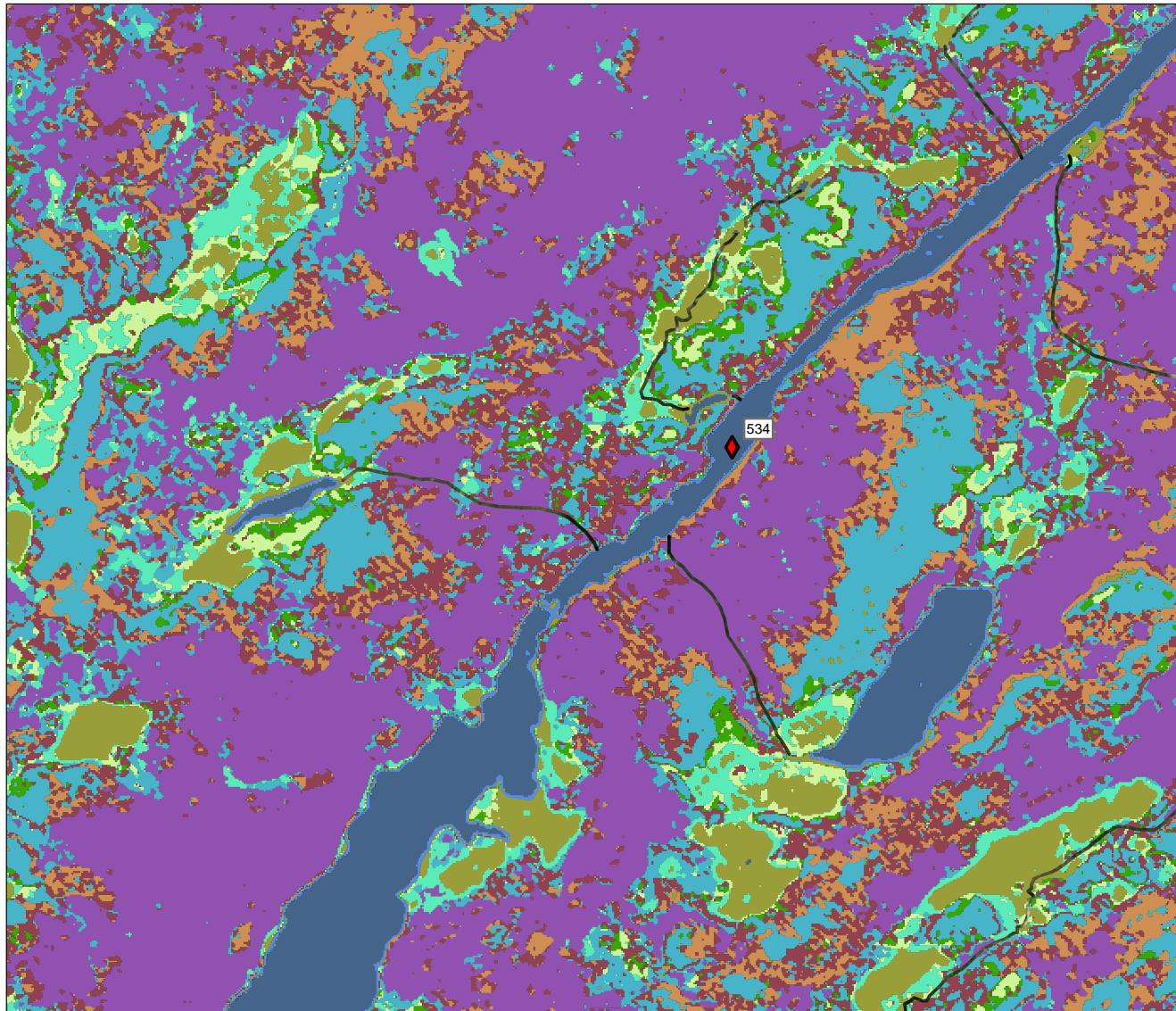
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2e

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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2011 Summer Brood
Waterfowl Observation

ELC

- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



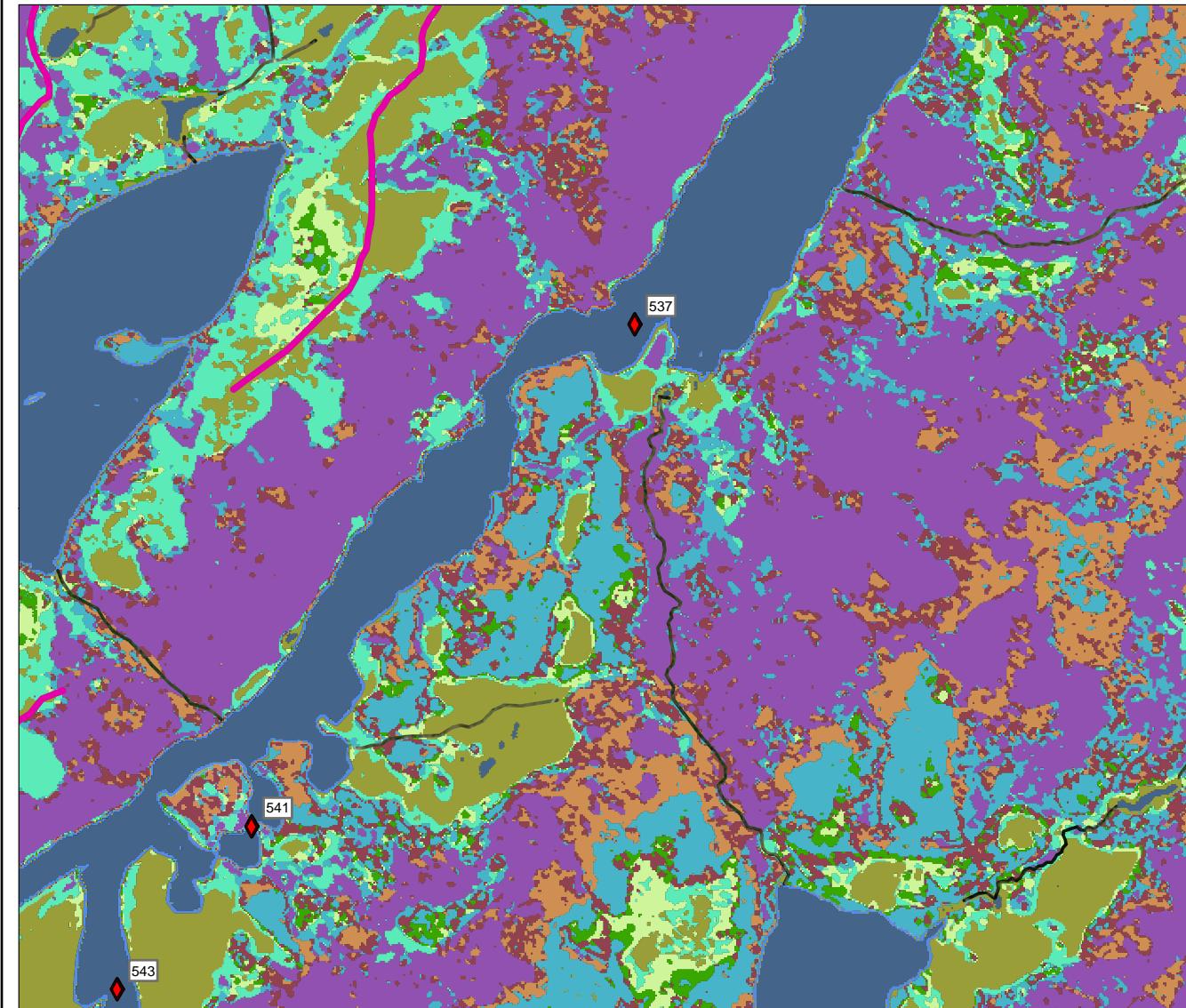
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2f

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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2011 Summer Brood
Waterfowl Observation

ELC

- Anthropogenic
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



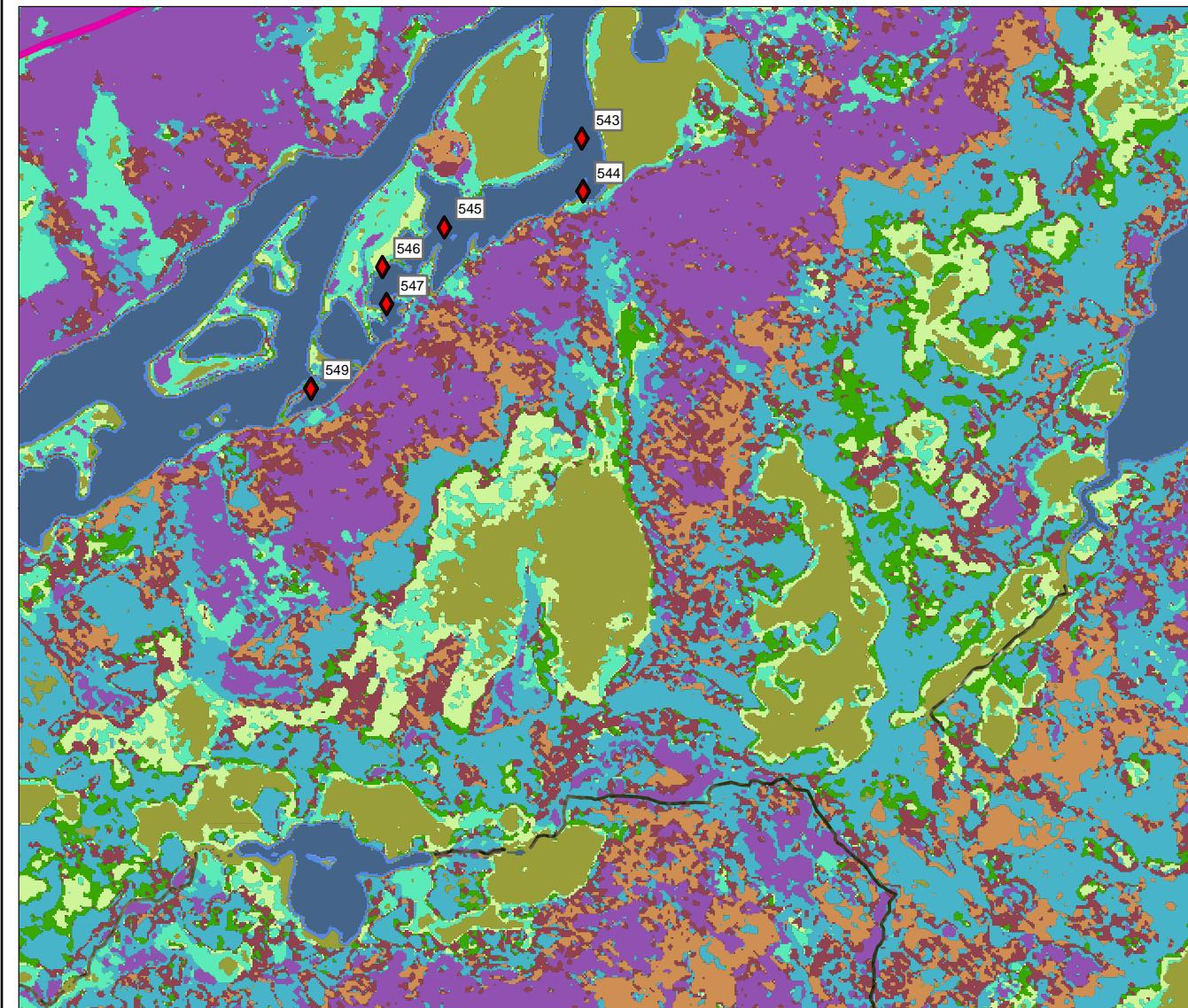
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2g

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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2011 Summer Brood
Waterfowl Observation

ELC

- ◆ Anthropogenic
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



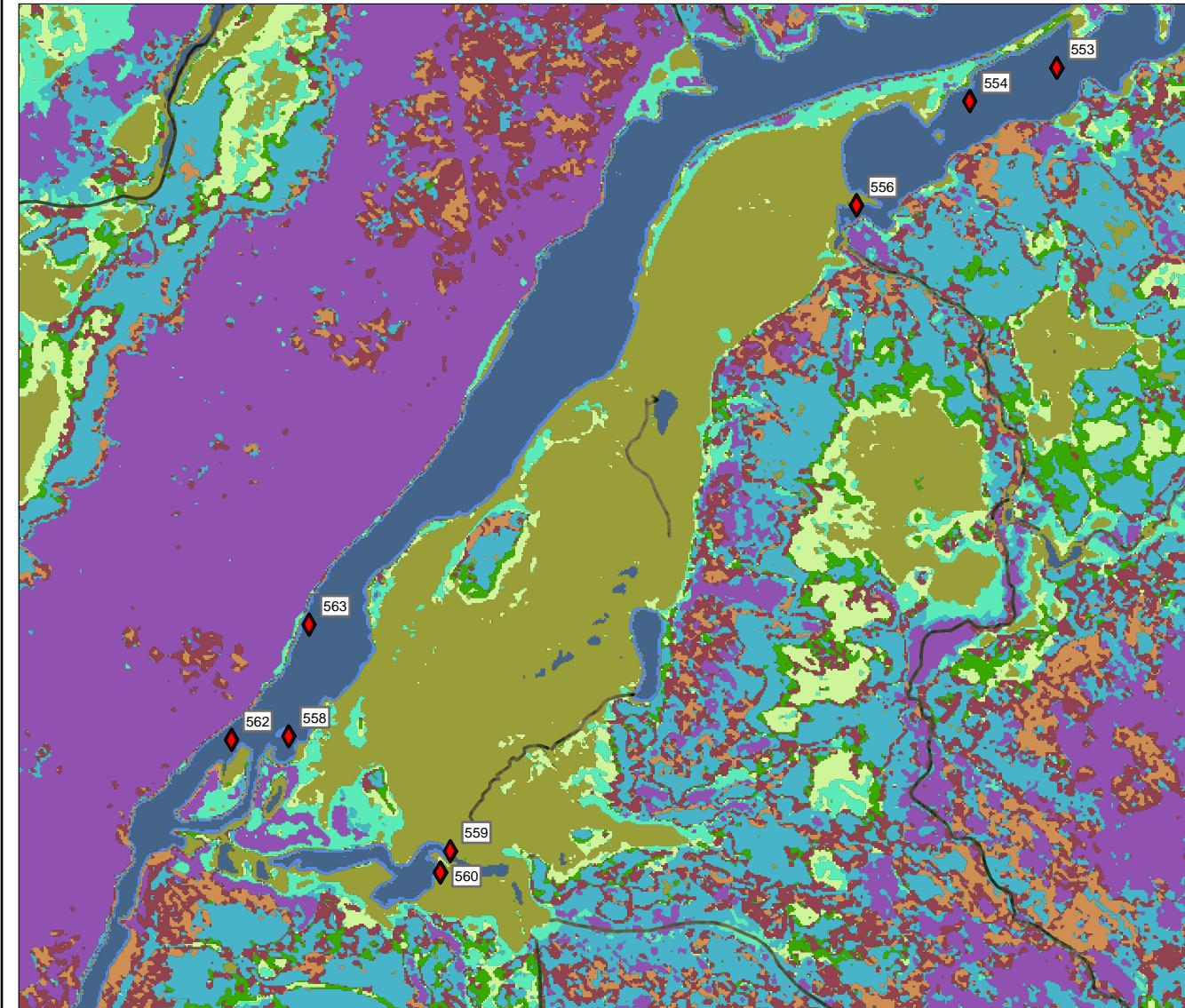
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2h

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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2011 Summer Brood
Waterfowl Observation

ELC

- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



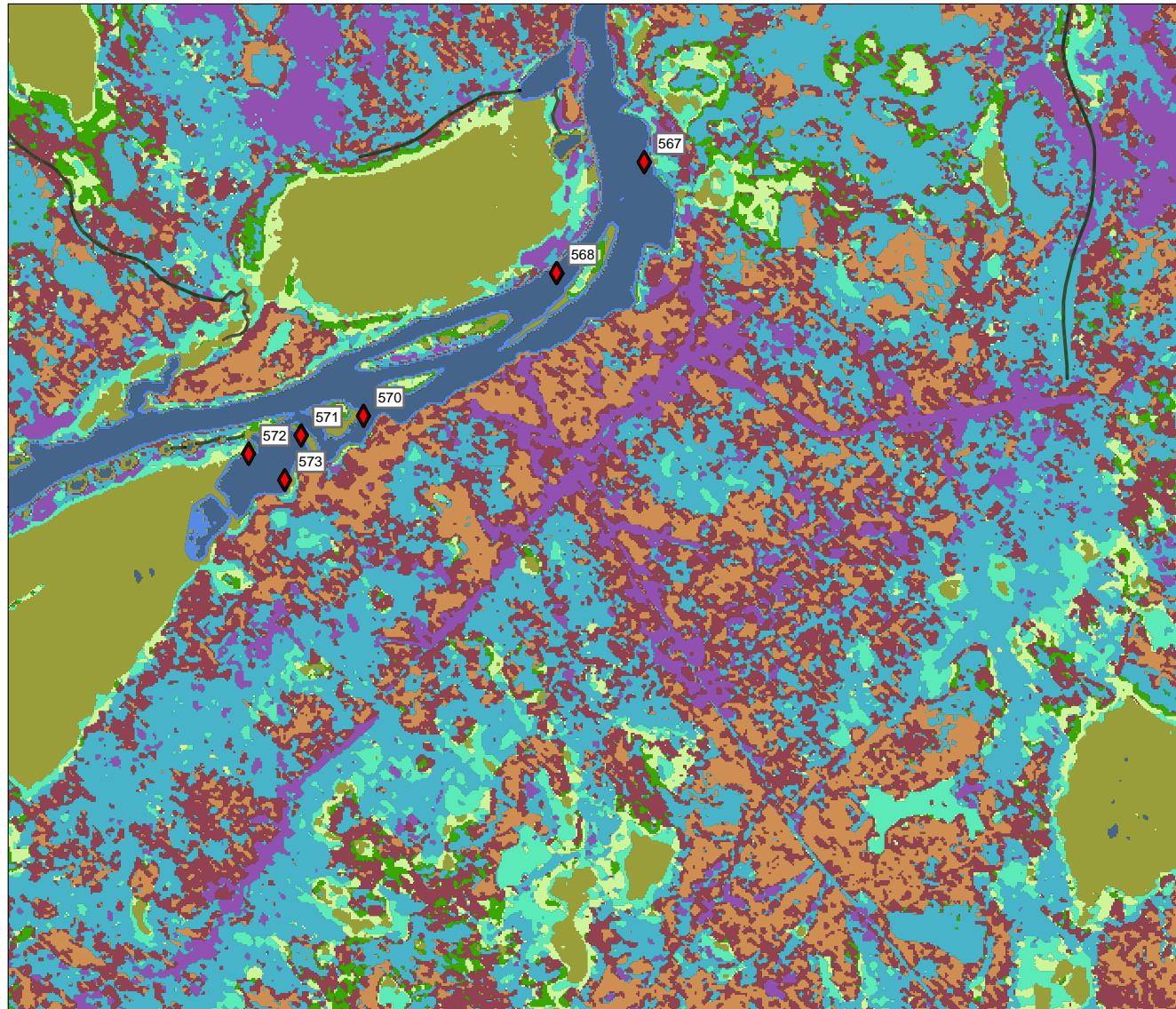
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2i

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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2011 Summer Brood
Waterfowl Observation

ELC

- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



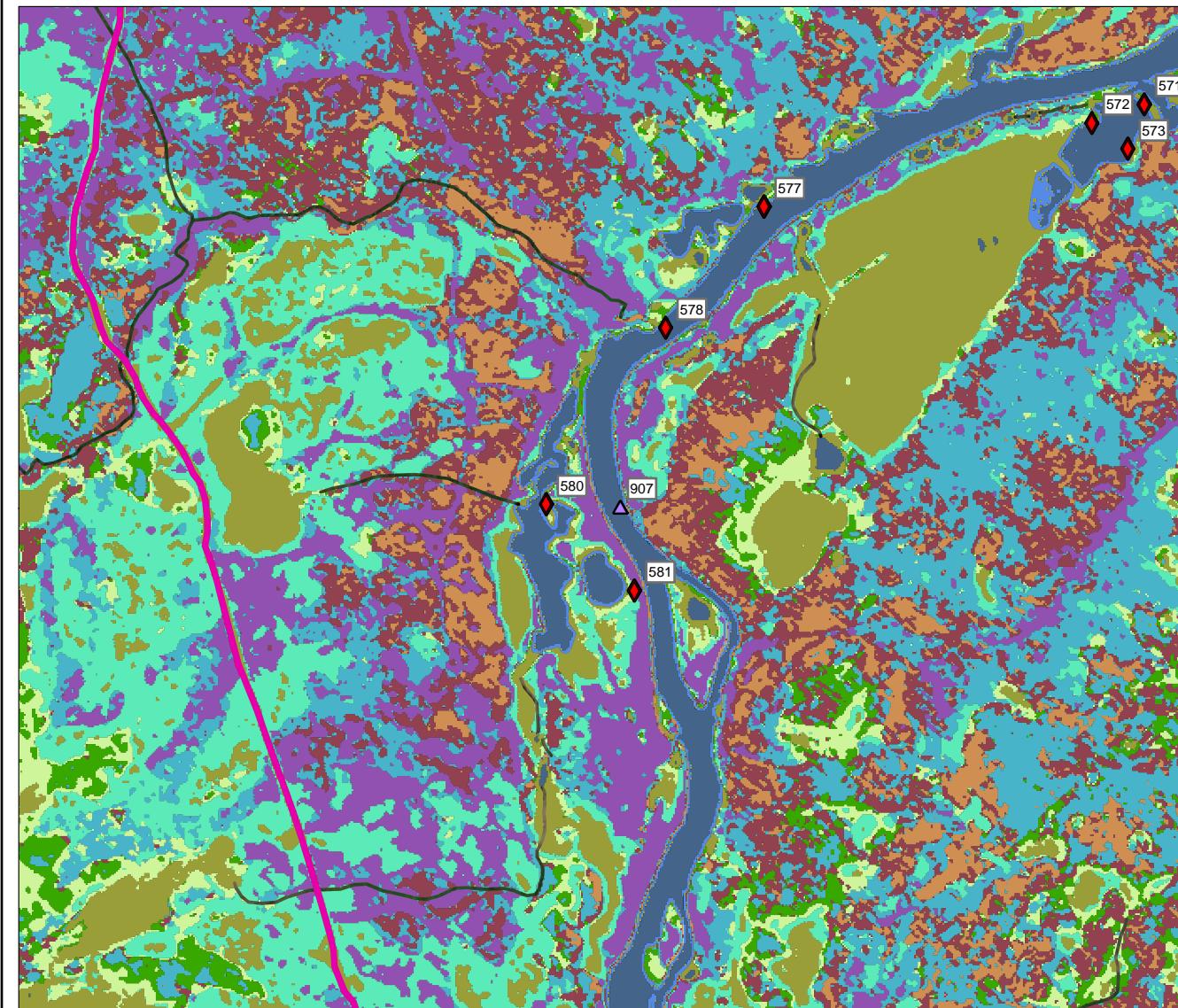
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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- ◆ 2011 Summer Brood Waterfowl Observation
- ▲ 2017 Fall Staging Waterfowl Observation

ELC

- Anthropogenic
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest

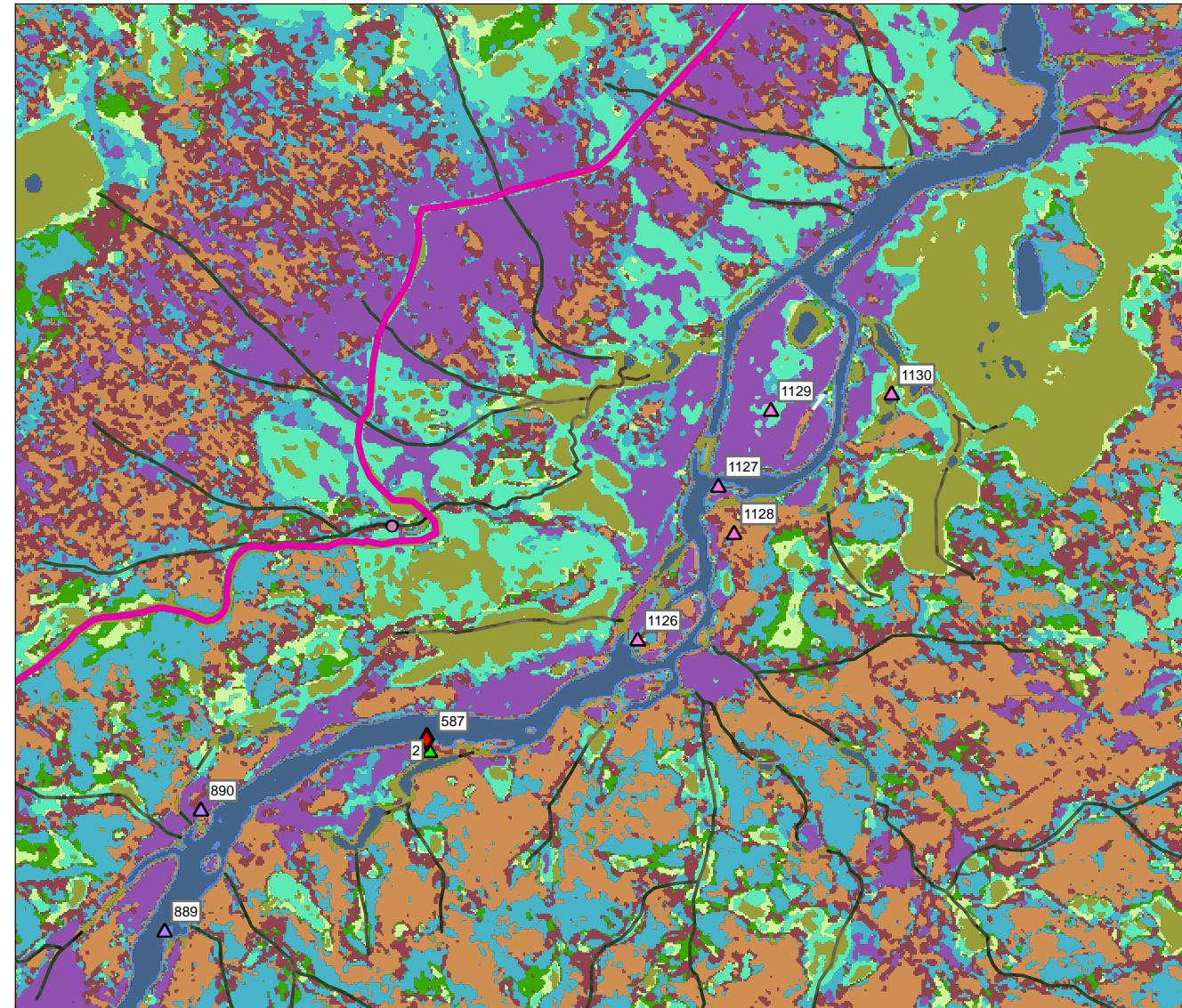


Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2k

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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- ◆ 2011 Summer Brood Waterfowl Observation
- ▲ 2017 Spring Breeding Waterfowl Observation
- ▲ 2011 Spring Breeding Waterfowl Observation
- ▲ 2017 Fall Staging Waterfowl Observation

ELC

- Anthropogenic
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



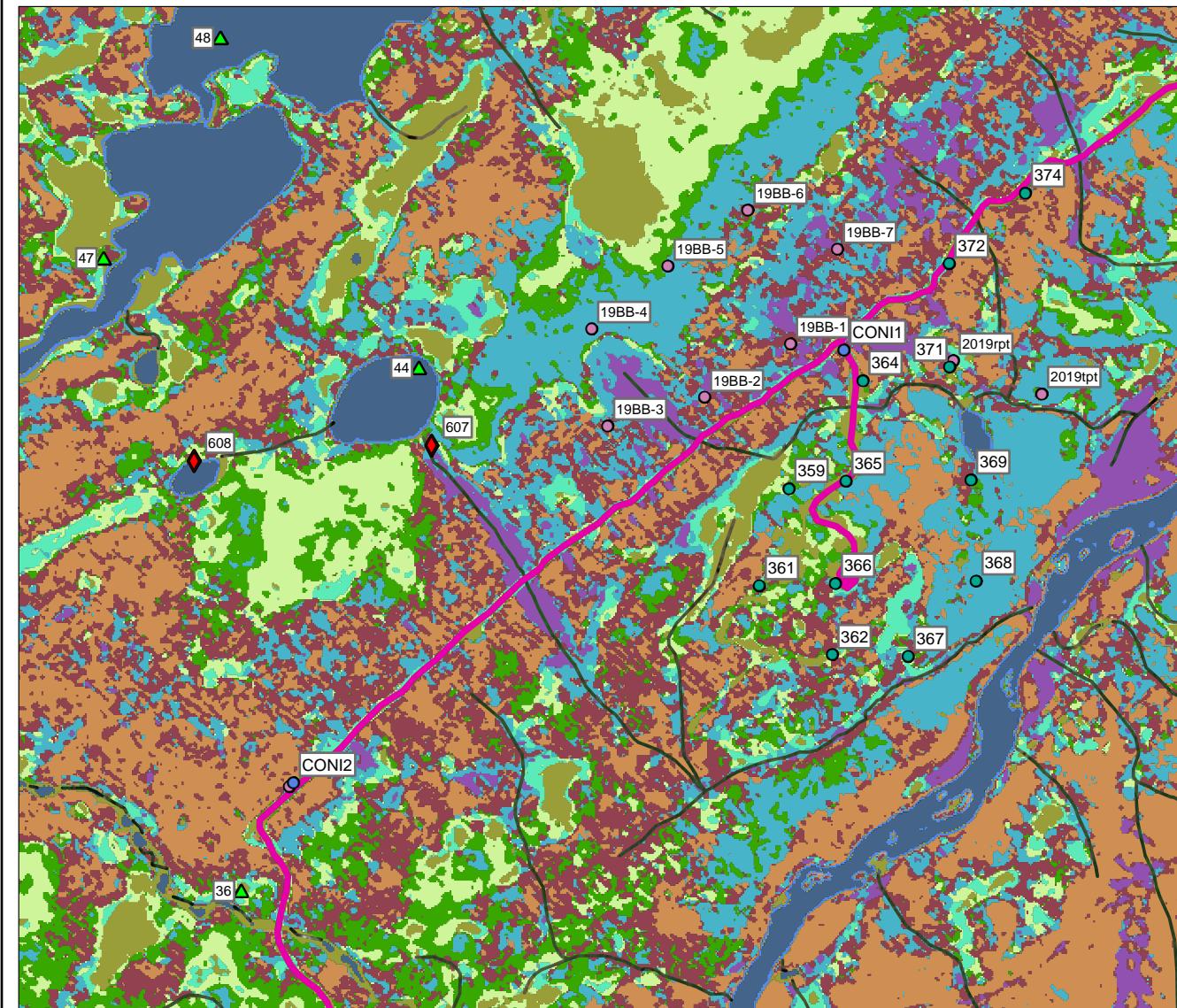
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECCC08.2I

Client/Project 121416408_IR50_ECCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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- ◆ 2011 Summer Brood Waterfowl Observation
- ▲ 2011 Spring Breeding Waterfowl Observation
- 2019 Common Nighthawk Point Count Site
- 2011 Songbird Point Count Site
- 2019 Songbird Point Count Site

ELC

- Anthropogenic
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



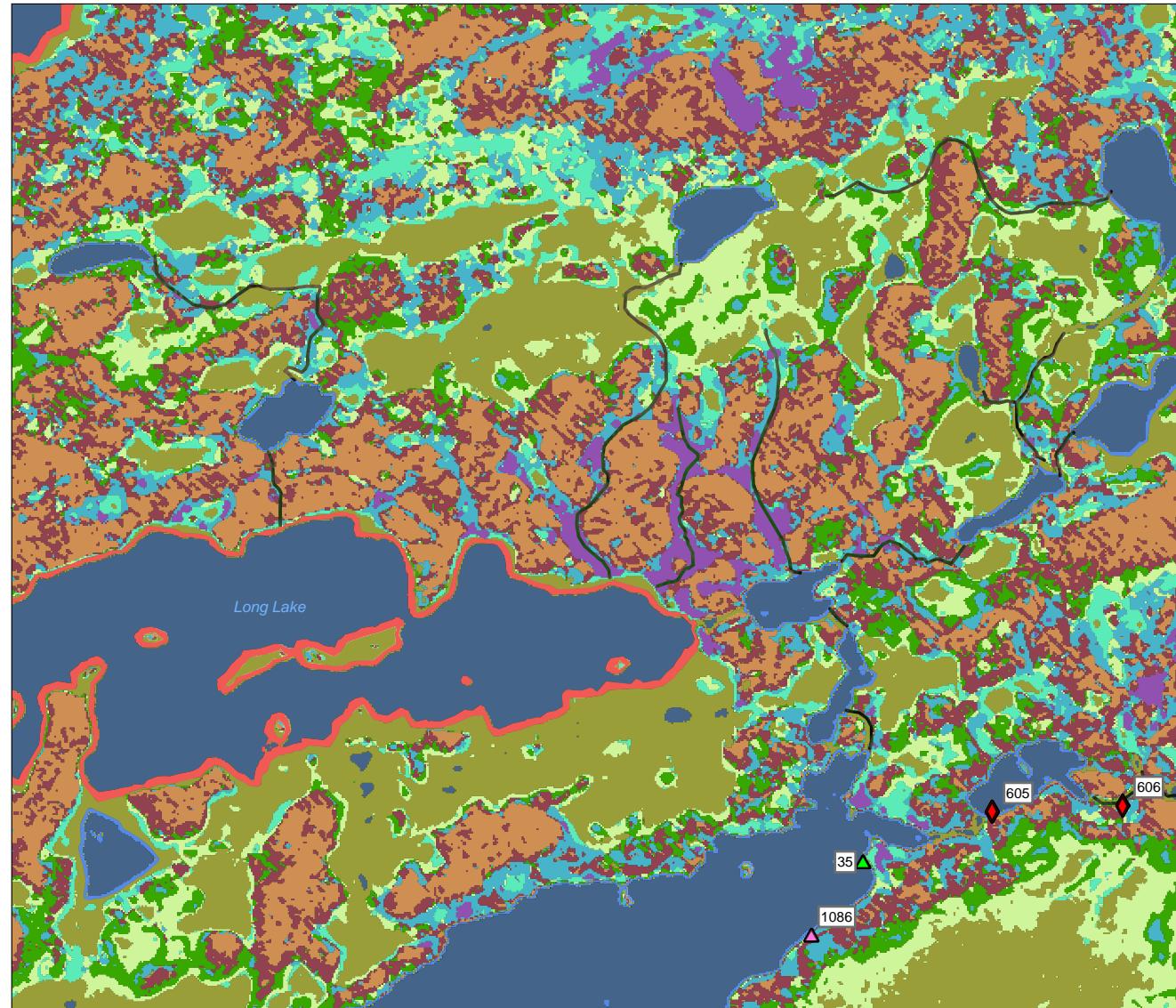
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Metres

Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2m

Client/Project 121416408_IR50_ECCCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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Stantec

- ◆ 2011 Summer Brood Waterfowl Observation
- ▲ 2017 Spring Breeding Waterfowl Observation
- ▲ 2011 Spring Breeding Waterfowl Observation

ELC

- Sand Shoreline
- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



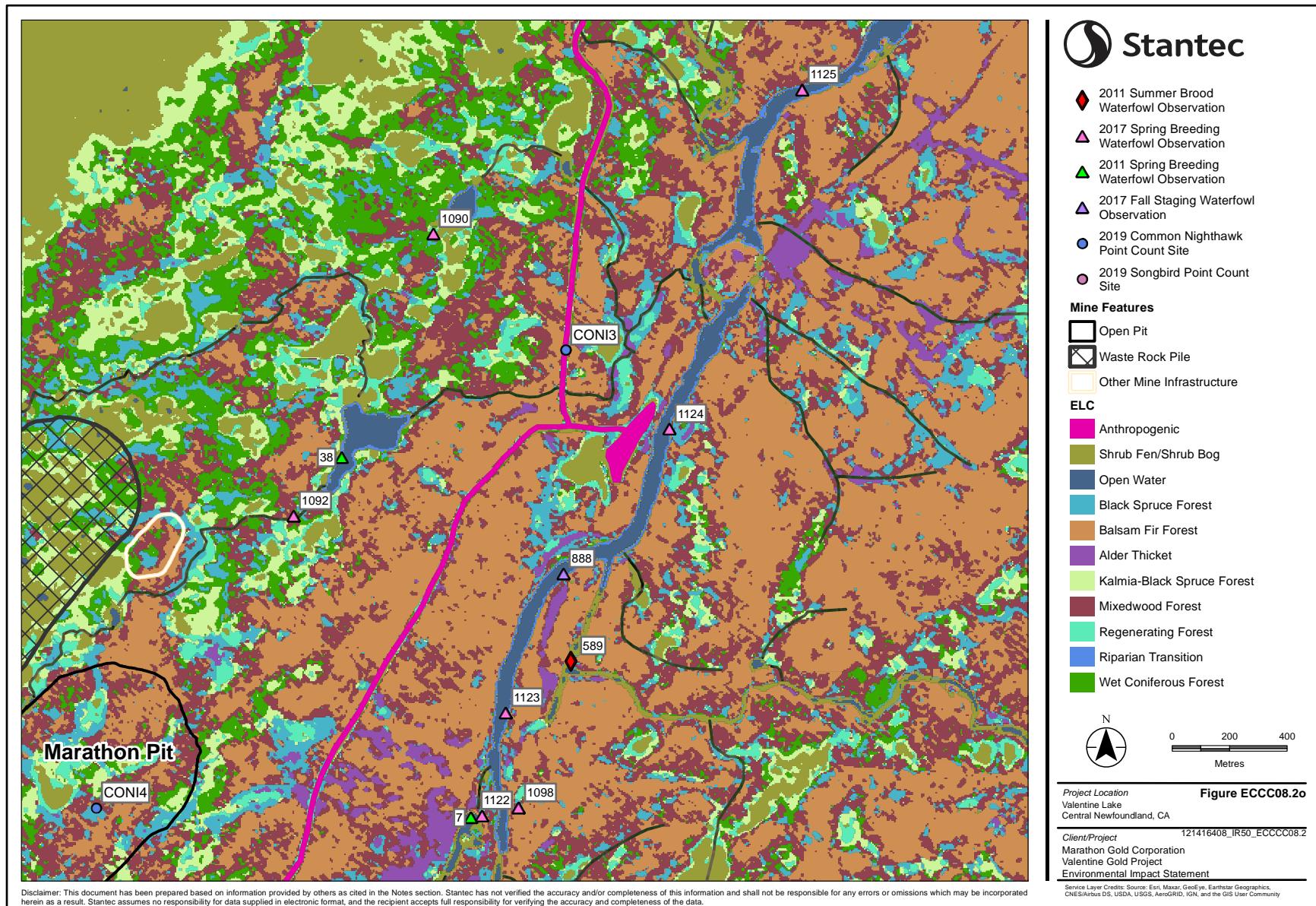
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Metres

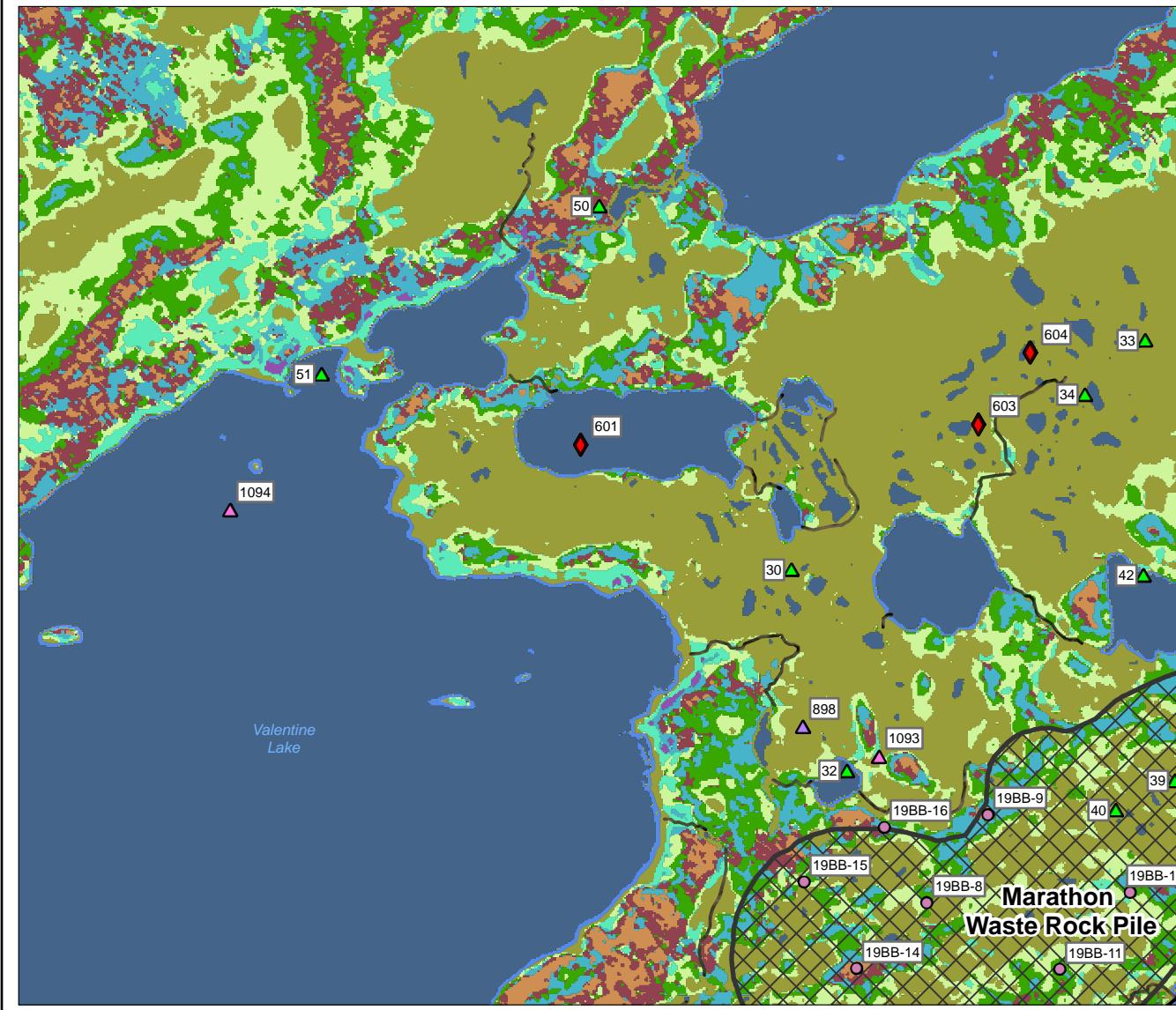
Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2n

Client/Project 121416408_IR50_ECCC08.2
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

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Project Location
Valentine Lake
Central Newfoundland, CA

Figure ECC08.2p

Project/Project
Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



- 2011 Summer Brood Waterfowl Observation
- 2017 Spring Breeding Waterfowl Observation
- 2011 Spring Breeding Waterfowl Observation
- 2017 Fall Staging Waterfowl Observation
- 2019 Songbird Point Count Site

Mine Features

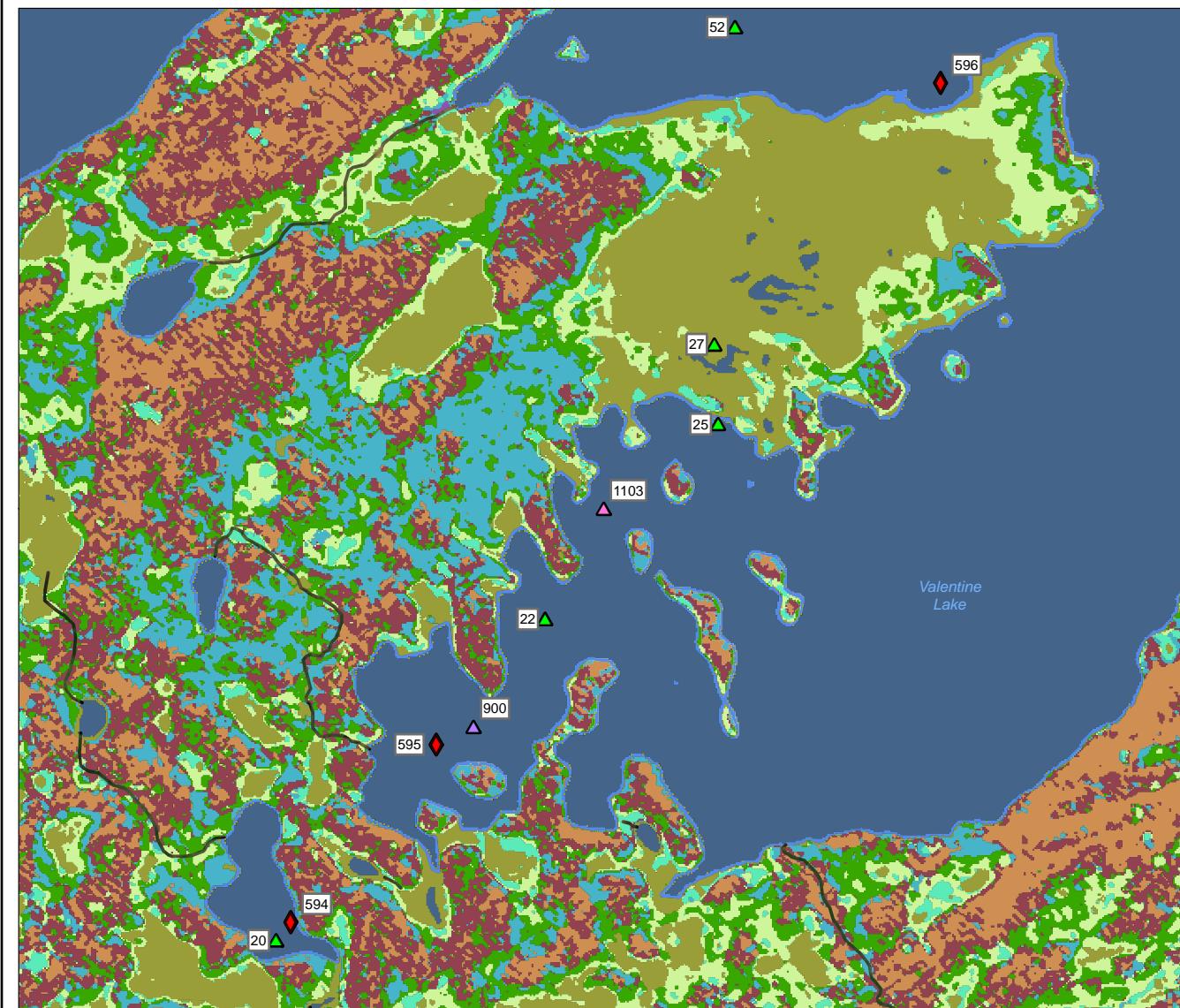
- Open Pit
- Waste Rock Pile

ELC

- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



0 200 400
Metres



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Stantec

- ◆ 2011 Summer Brood Waterfowl Observation
- ▲ 2017 Spring Breeding Waterfowl Observation
- ▲ 2011 Spring Breeding Waterfowl Observation
- ▲ 2017 Fall Staging Waterfowl Observation

ELC

- Shrub Fen/Shrub Bog
- Open Water
- Black Spruce Forest
- Balsam Fir Forest
- Alder Thicket
- Kalmia-Black Spruce Forest
- Mixedwood Forest
- Regenerating Forest
- Riparian Transition
- Wet Coniferous Forest



0 200 400
Metres

Project Location: Valentine Lake, Central Newfoundland, CA
Figure ECC08.2q

Client/Project: Marathon Gold Corporation
Valentine Gold Project
Environmental Impact Statement
121416408_IR50_ECCC08.2

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