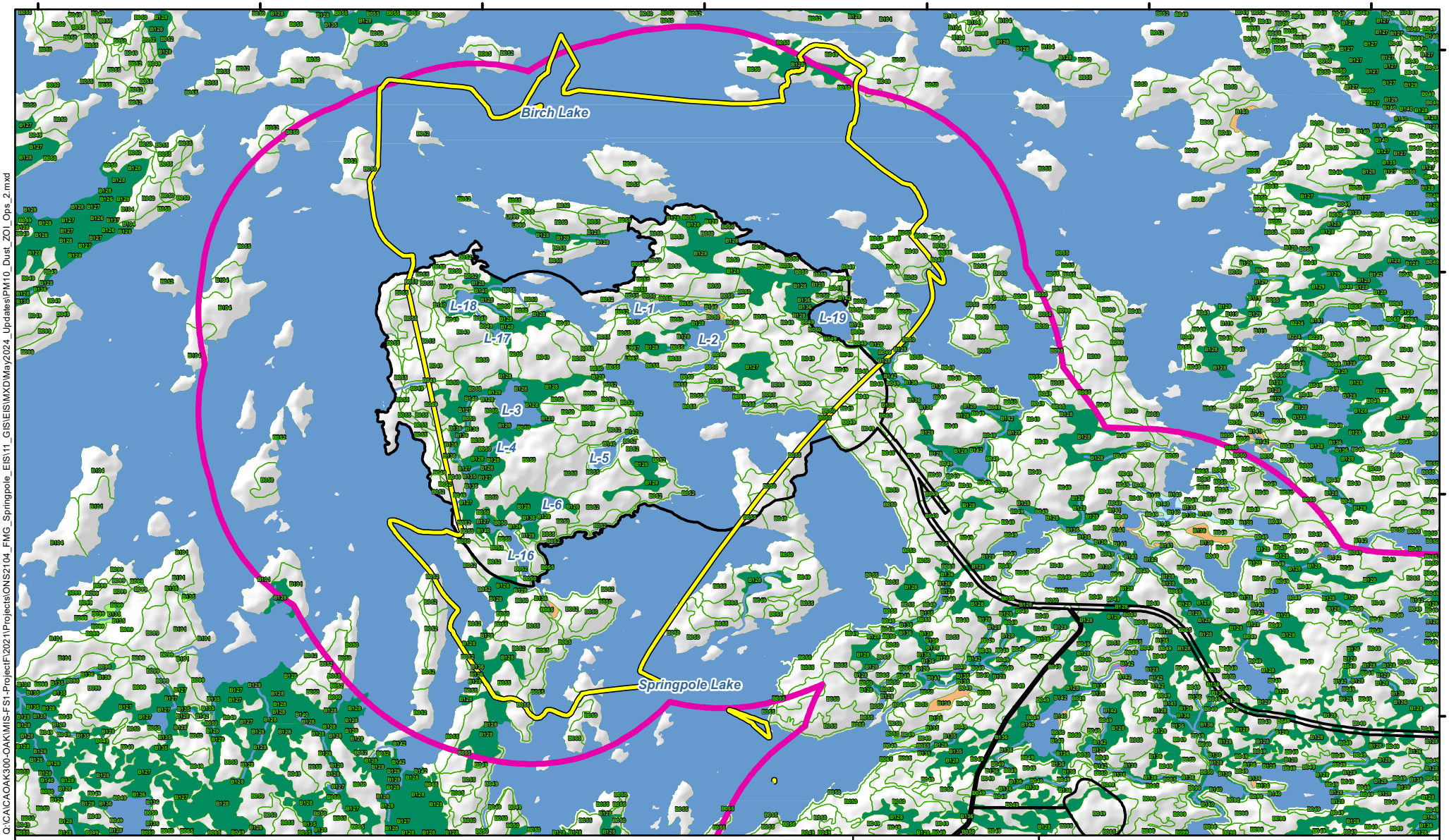


Q:\CA\CA\OAK300-OAK\MIS-FS1-Project\FI2021\Projects\ONS2104_FMG_Springpole_EIS\11_GIS\EIS\MXD\May2024_Updates\PM10_Dust_ZOI_Ops_2.mxd

LEGEND

- Proposed Mine Feature
- PM10 Concentration (µg/m3), 85% Dust Control, 5.8% Silt, Project and Baseline Effects
- Local Study Area for Vegetation Communities and Wetlands
- Waterbody
- Watercourse
- Vegetation Community Boundary (labelled with boreal ecosite code)

Wetland (FRI derived, by dominant type)

- Coniferous Swamp
- Bog and Fen
- Thicket Swamp
- Shallow Open Water
- Marsh

Disclaimer for PM10 Concentration (µg/m3) shown:
- Predicted effects should be considered in the context of the conservative nature of the emission rate estimates (all sources active at the maximum all the time, activity levels for all years at the maximum year of operations) and the conservative modelling (worst-case meteorological conditions over five years of meteorological data.
- For the low dust control and higher silt, only the Fish Harvest sensitive receptor predicts exceedances and only 0.3% of the time (6 days) ion a 5-year period. All exceedances for the fish harvest were predicted in December and January.

NOTES:
- Topographic information extracted from LIO, NDMNRF.
- Proposed site plan current as of Oct. 30, 2023
- Wetland communities extracted from FRI data (provided by Domtar 2023, and MNRF 2023)
- Vegetation communities extracted from FRI data (provided by Domtar 2023, and MNRF 2023)

Datum: NAD83
Projection: UTM Zone 15N

0 0.5 1 2 3 4 5 Kilometres

N W E S

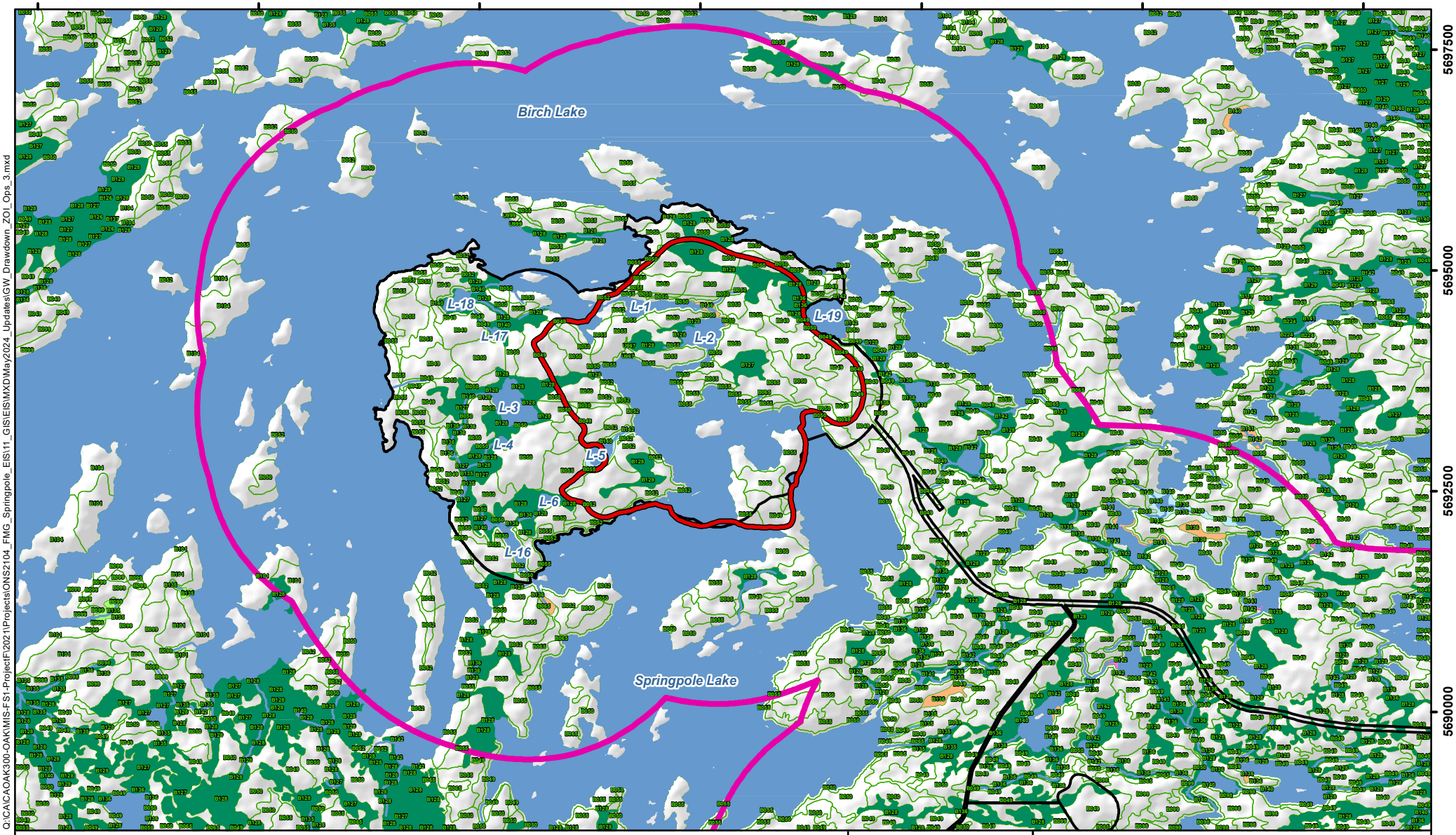
First Mining Gold

wsp

SPRINGPOLE GOLD PROJECT

PM10 Concentration Isopleth (24-Hour Averaging Time) Zone of Influence during Operations

PROJECT N°: ONS2104	**FIGURE: 6.11-30**
SCALE: 1:60,000	DATE: June 2024



Q:\CA\CA\OAK300-OAK\MIS-FS1-Project\FI2021\Projects\ONS2104_FMG_Springpole_EIS\11_GIS\EIS\MXD\May2024_Updates\GW_Drawdown_ZOI_Ops_3.mxd

LEGEND

- Proposed Mine Feature
- Groundwater 2 m Drawdown Zone of Influence (Nov. 2023 Model)
- Local Study Area for Vegetation Communities and Wetlands
- Waterbody
- Watercourse
- Vegetation Community Boundary (labelled with boreal ecosite code)

Wetland (FRI derived, by dominant type)

- Coniferous Swamp
- Bog and Fen
- Thicket Swamp
- Shallow Open Water
- Marsh

NOTES:
- Topographic information extracted from LIO, NDMNRF.
- Proposed site plan current as of Oct. 30, 2023
- Wetland communities extracted from FRI data (provided by Domtar 2023, and MNRF 2023)
- Vegetation communities extracted from FRI data (provided by Domtar 2023, and MNRF 2023)

0 0.5 1 2 3 4 5 Kilometres

Datum: NAD83
Projection: UTM Zone 15N

N W E S

First Mining Gold

wsp

SPRINGPOLE GOLD PROJECT

Groundwater Drawdown Zone of Influence during Operations

PROJECT N°: ONS2104	**FIGURE: 6.11-31**
SCALE: 1:60,000	DATE: June 2024