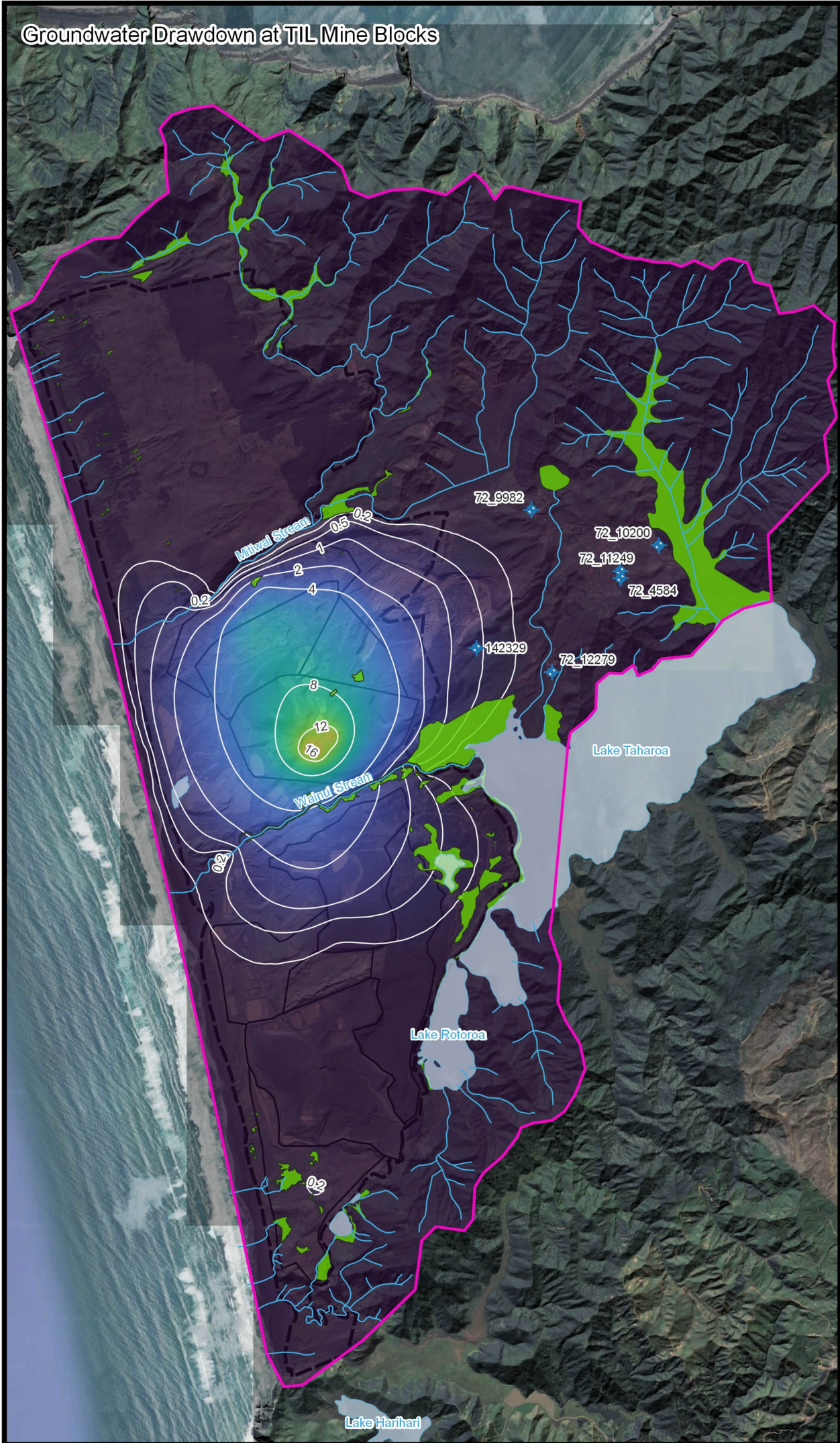
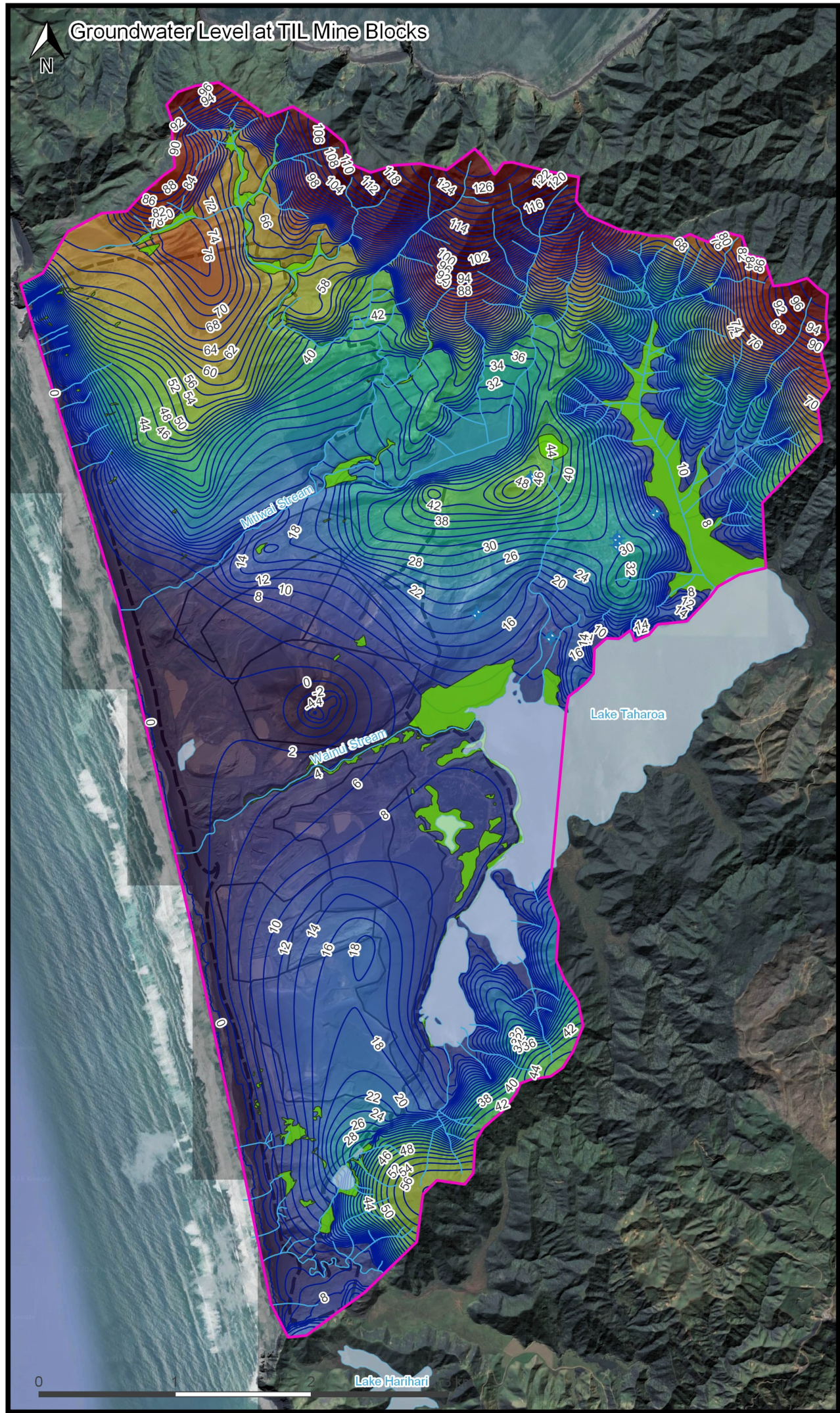
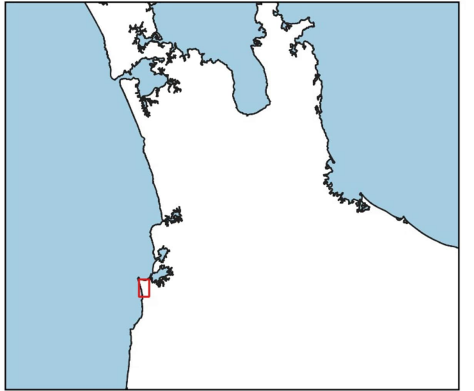




Map Title:
Groundwater Level (L) | Groundwater Drawdown (R)
Central Block - Maximum Excavation (Model Time July 2011)

Project:
Taharoa Ironsand Groundwater Effect Assessment

Client:
Taharoa Ironsand Limited



- Legend**
- Bores
 - Groundwater Level Contours (mAMS)
 - Groundwater Drawdown Contours (m)
 - Streams
 - TIL Property Boundary
 - Study Area
 - Mine Blocks
 - Wetlands
 - Lakes
- Groundwater Level (mAMS)
(Left Panel)
- Groundwater Drawdown (m)
(Right Panel)

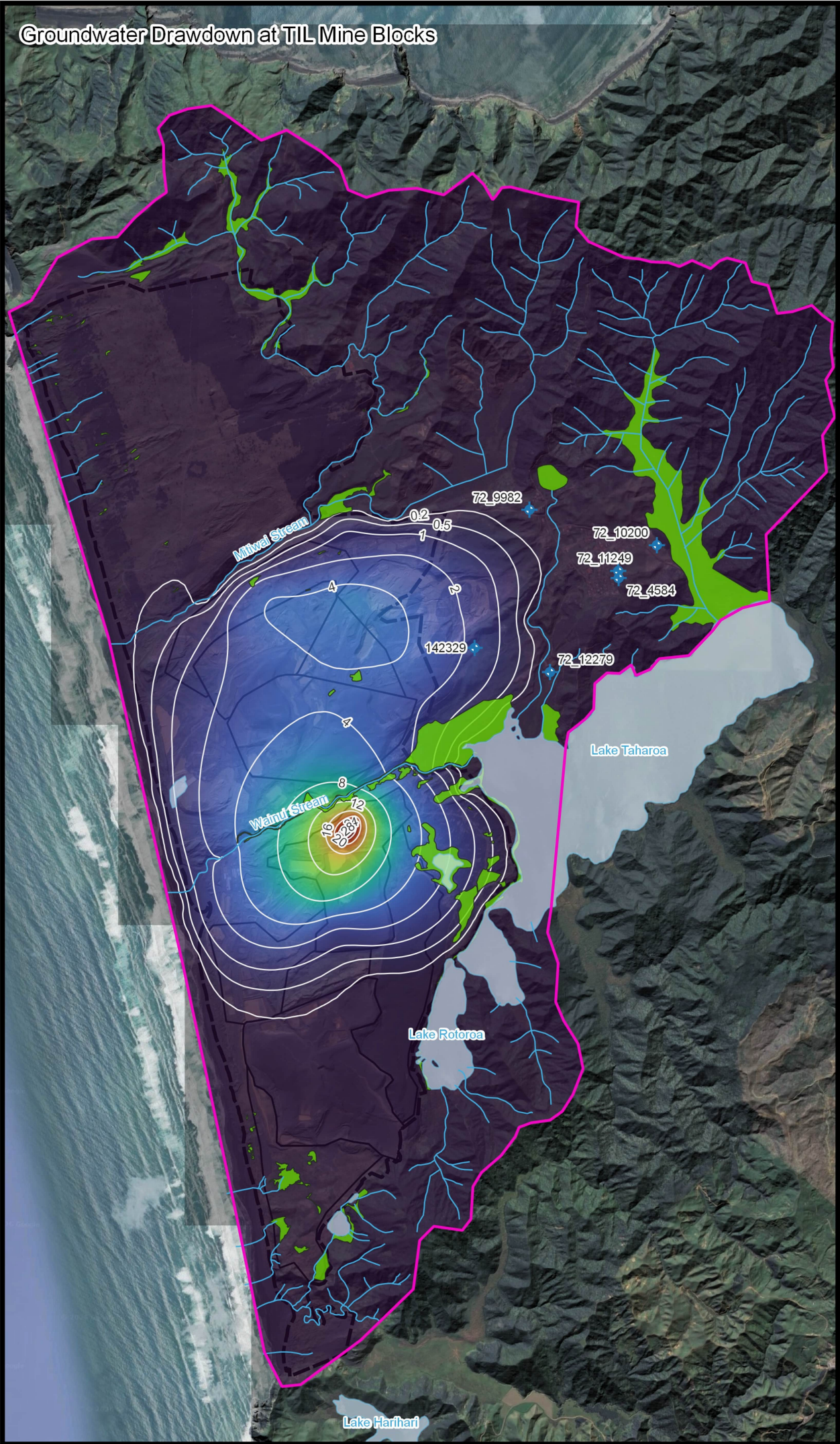
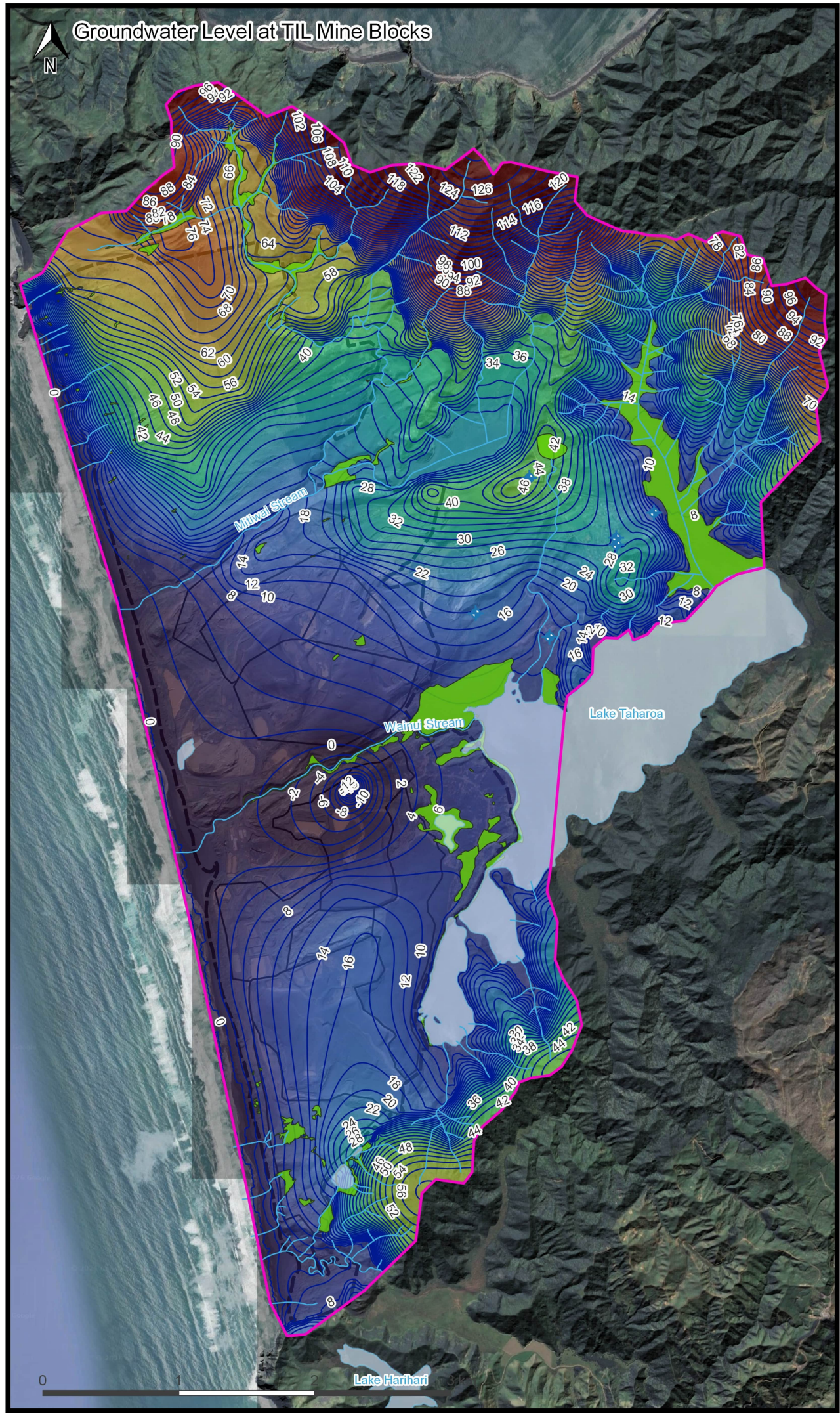
Data Provenance
QGIS Layers

Drawn by: Kevin Burdette
15/07/2026

Layout & Project File
Taharoa Iron Sand Mine-Hydrogeological Modelling



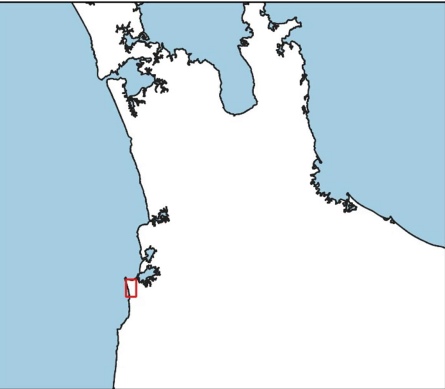
Figure A1



Map Title:
Groundwater Level (L) | Groundwater Drawdown (R)
Southern Block - Maximum Excavation (Model Time March 2016)

Project:
Taharoa Ironsand Groundwater Effect Assessment

Client:
Taharoa Ironsand Limited



Legend

- Bores
- Groundwater Level Contours (mAMS)
- Groundwater Drawdown Contours (m)
- Streams
- TIL Property Boundary
- Study Area
- Mine Blocks
- Wetlands
- Lakes

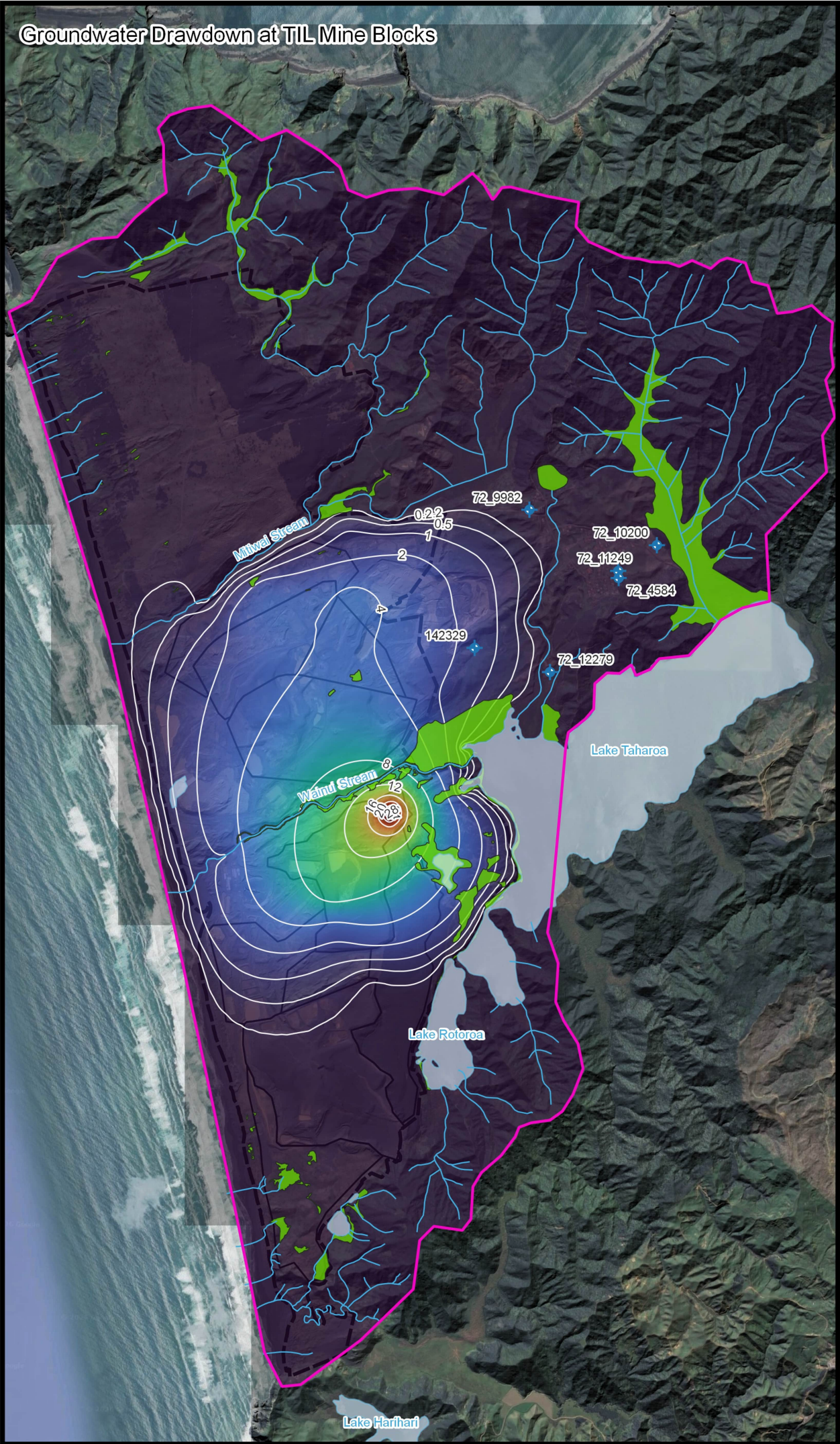
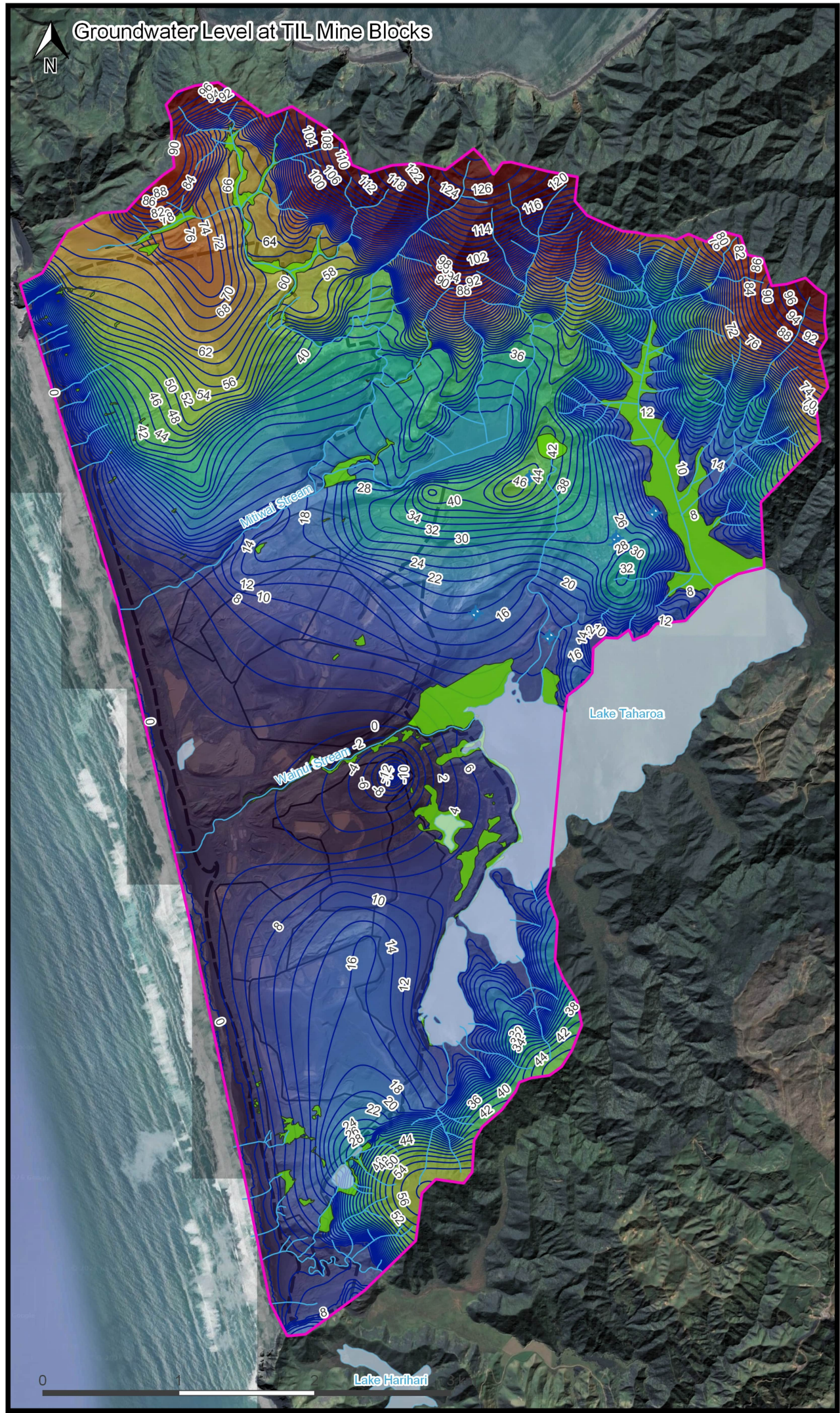
Groundwater Level (mAMS)
(Left Panel)

Groundwater Drawdown (m)
(Right Panel)

Data Provenance
QGIS Layers

Drawn by: Kevin Burdette
15/07/2026

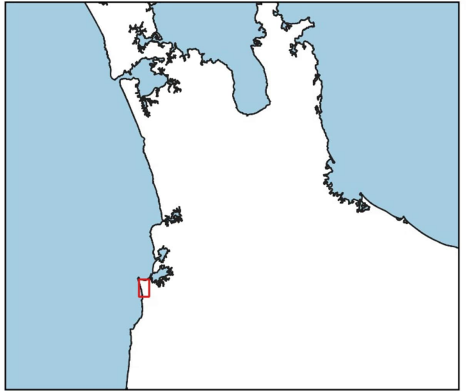
Layout & Project File
Taharoa Iron Sand Mine-Hydrogeological Modelling



Map Title:
Groundwater Level (L) | Groundwater Drawdown (R)
Southern Block - Closest Proximity to Lake Taharoa Area Wetlands (Model Time June 2016)

Project:
Taharoa Ironsand Groundwater Effect Assessment

Client:
Taharoa Ironsand Limited



- Legend**
- Bores
 - Groundwater Level Contours (mAMS)
 - Groundwater Drawdown Contours (m)
 - Streams
 - TIL Property Boundary
 - Study Area
 - Mine Blocks
 - Wetlands
 - Lakes
- Groundwater Level (mAMS)
(Left Panel)
- 100
- 0
- Groundwater Drawdown (m)
(Right Panel)
- 25
- 0

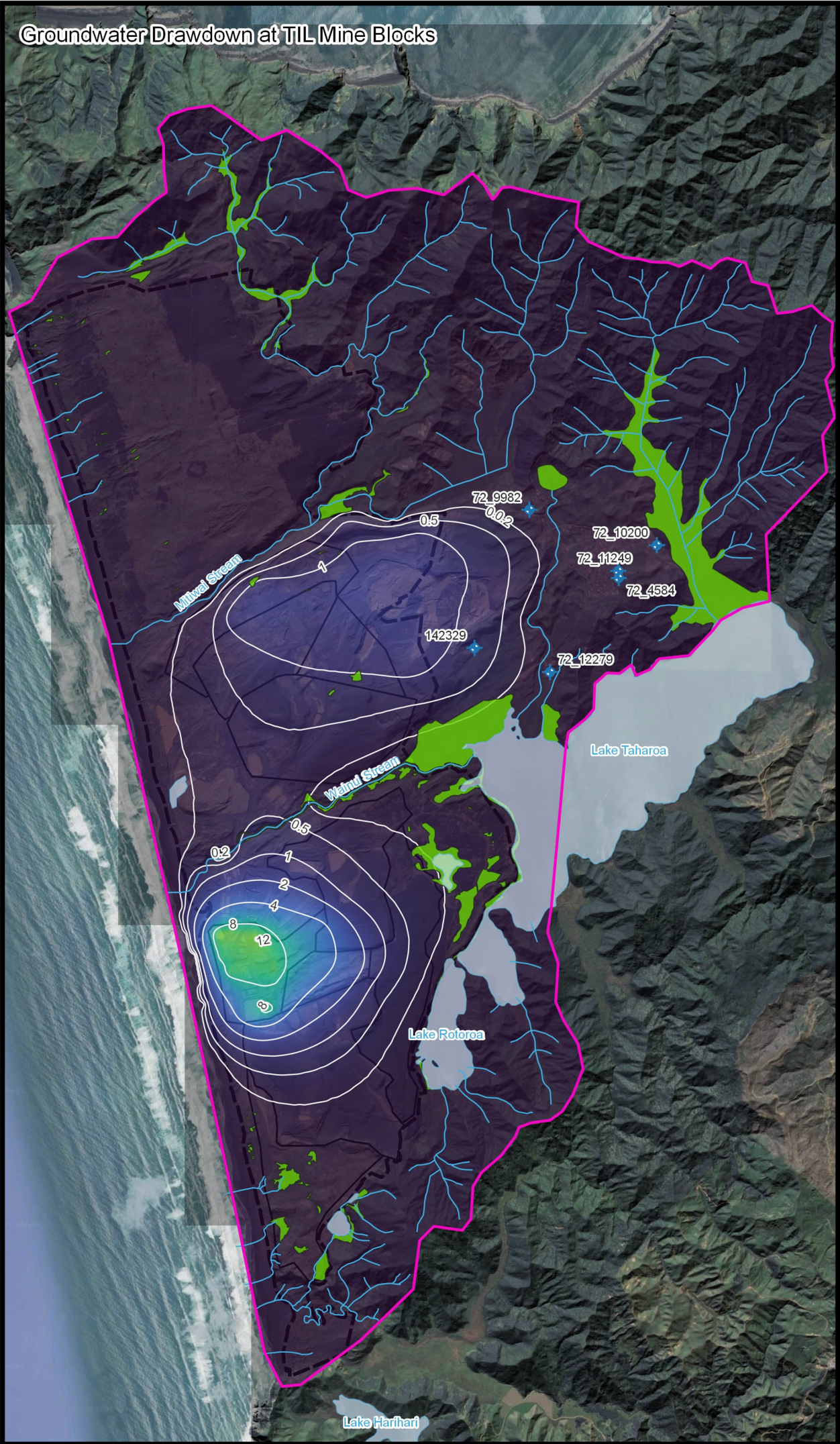
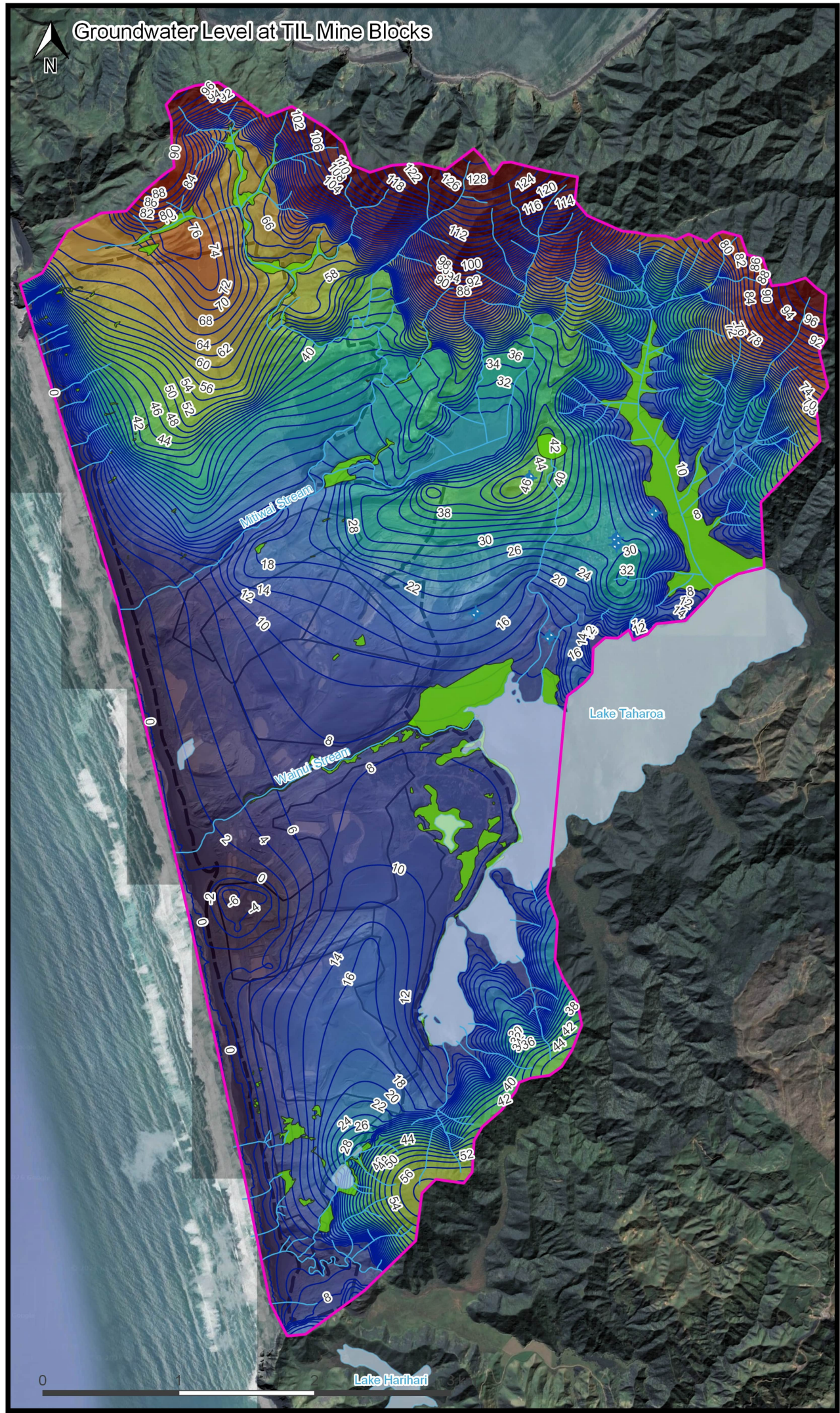
Data Provenance
QGIS Layers

Drawn by: Kevin Burdette
15/07/2026

Layout & Project File
Taharoa Iron Sand Mine-Hydrogeological Modelling



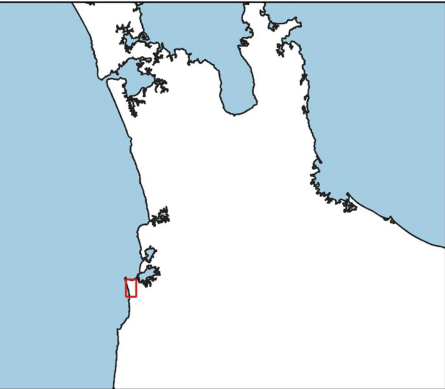
Figure A3



Map Title:
Groundwater Level (L) | Groundwater Drawdown (R)
Southern Block - Closest Proximity to Coast
(Model Time June 2018)

Project:
Taharoa Ironsand Groundwater Effect Assessment

Client:
Taharoa Ironsand Limited



Legend

- ◆ Bores
- Groundwater Level Contours (mAMS)
- Groundwater Drawdown Contours (m)
- Streams
- ▭ TIL Property Boundary
- ▭ Study Area
- ▭ Mine Blocks
- ▭ Wetlands
- ▭ Lakes

Groundwater Level (mAMS)
(Left Panel)

100
0

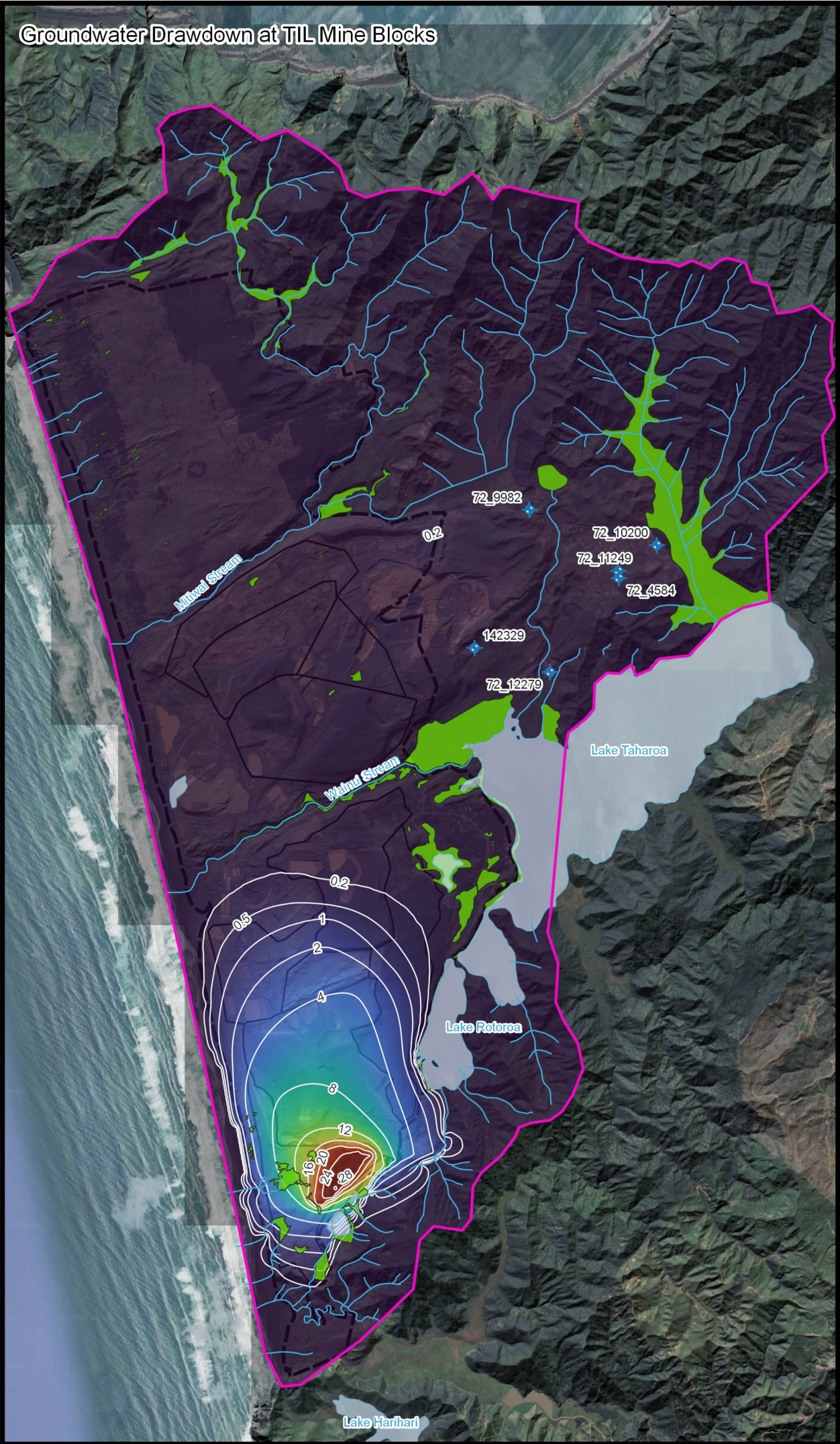
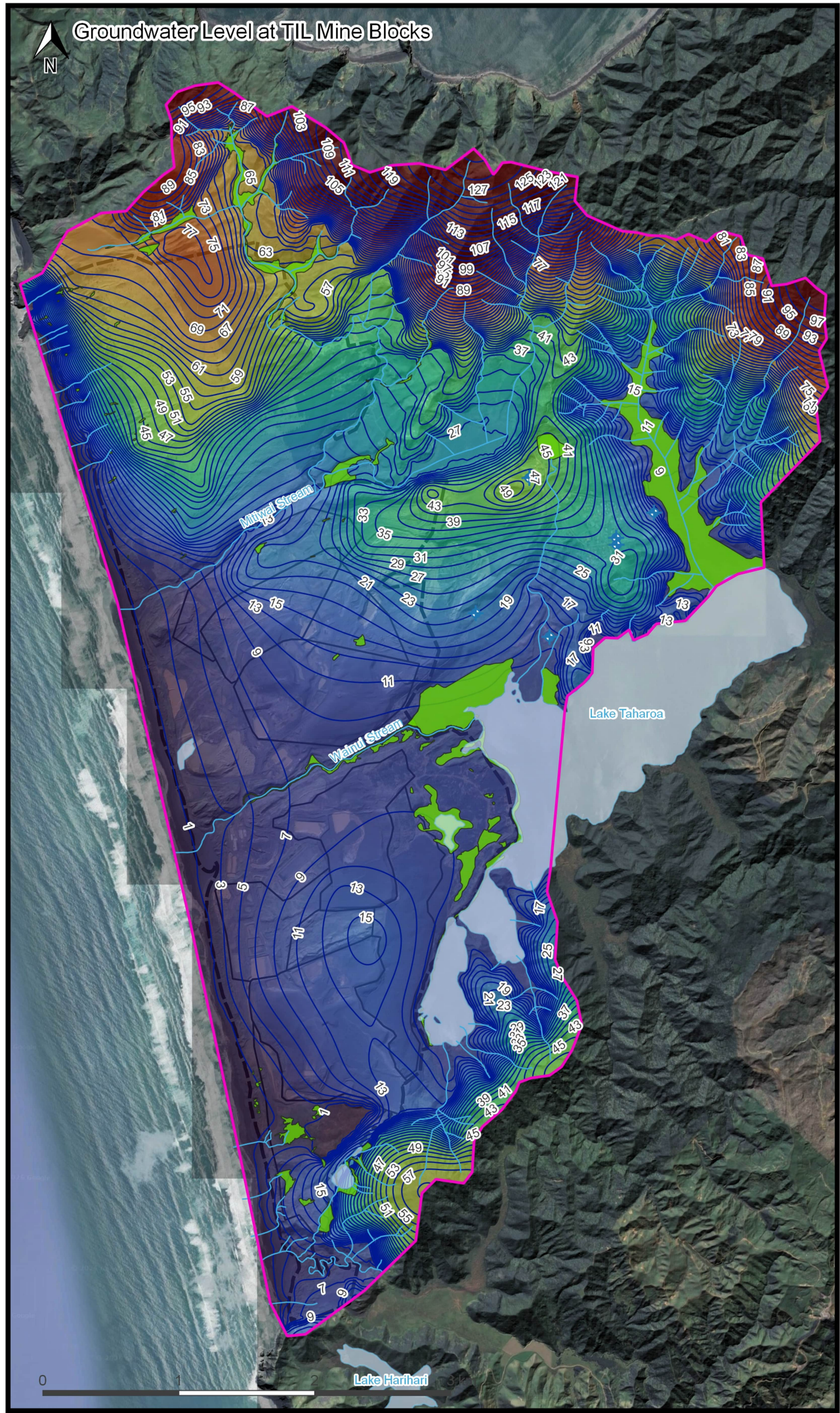
Groundwater Drawdown (m)
(Right Panel)

25
0

Data Provenance
QGIS Layers

Drawn by: Kevin Burdette
15/07/2026

Layout & Project File
Taharoa Iron Sand Mine-Hydrogeological Modelling



Map Title:
Groundwater Level (L) | Groundwater Drawdown (R)
Southern Block - Closest Proximity to Southern Wetlands
(Model Time May 2024)

Project:
Taharoa Ironsand Groundwater Effect Assessment

Client:
Taharoa Ironsand Limited

Legend

- Bores
- Groundwater Level Contours (mAMS)
- Groundwater Drawdown Contours (m)
- Streams
- TIL Property Boundary
- Study Area
- Mine Blocks
- Wetlands
- Lakes

Groundwater Level (mAMS)
(Left Panel)

Groundwater Drawdown (m)
(Right Panel)

Data Provenance
QGIS Layers

Drawn by: Kevin Burdette
15/07/2026

Layout & Project File
Taharoa Iron Sand Mine-Hydrogeological Modelling

WILLIAMSON
WATER & LAND ADVISORY

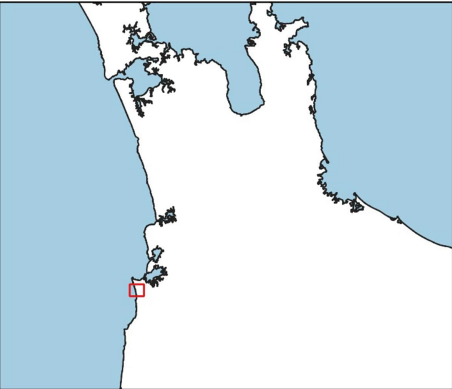
Figure A5



Map Title:
Maximum extent of 0.2 m drawdown over full mining sequence

Project:
Taharoa Ironsand Groundwater Effect Assessment - FTAA Panel Response

Client:
Taharoa Ironsand Limited



- Legend**
- Road
 - Streams
 - Lakes
 - Study Area
 - TIL Property Boundary
 - Mining blocks
 - Wetlands
 - 0.2 m drawdown contour (full mining sequence)

Data Provenance
GIS Layers

Drawn by: Jake Scherberg
15/07/2026

Layout & Project File
Taharoa Iron Sand Mine-Hydrogeological Modelling