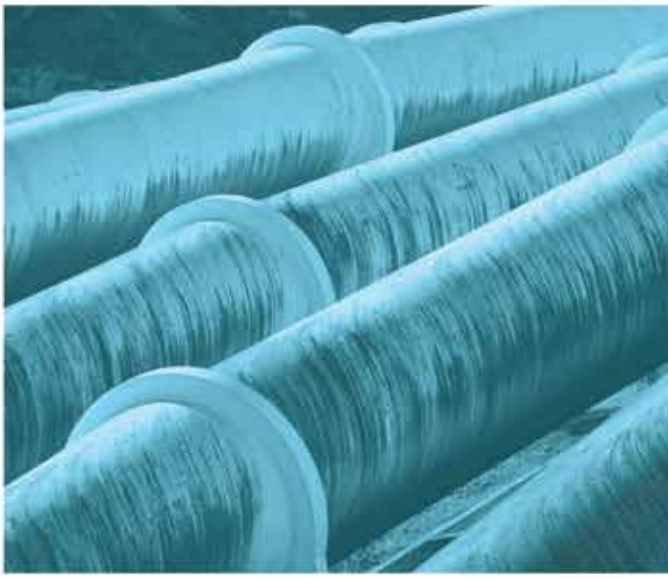
Wongawilli Colliery Modification Report

PA 09_0161 MOD 2 - North West Mains Development
Volume 7 - Appendix I (Part 2)

Prepared for Wollongong Coal Limited
December 2020



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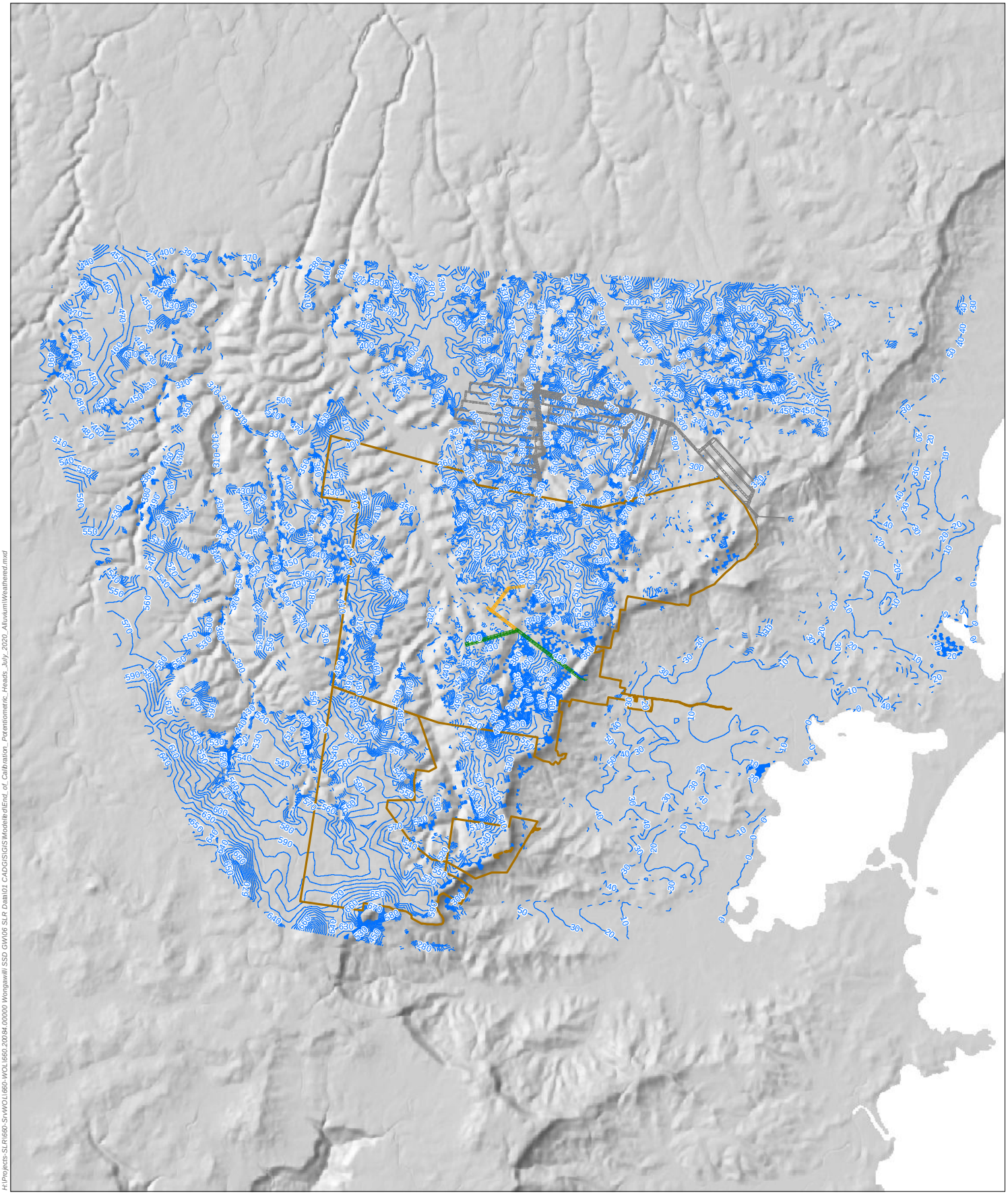
Appendix I - Part 2

Groundwater impact assessment



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0 2 km

Projection: GDA 1994 MGA Zone 56
Scale: 1:190,000

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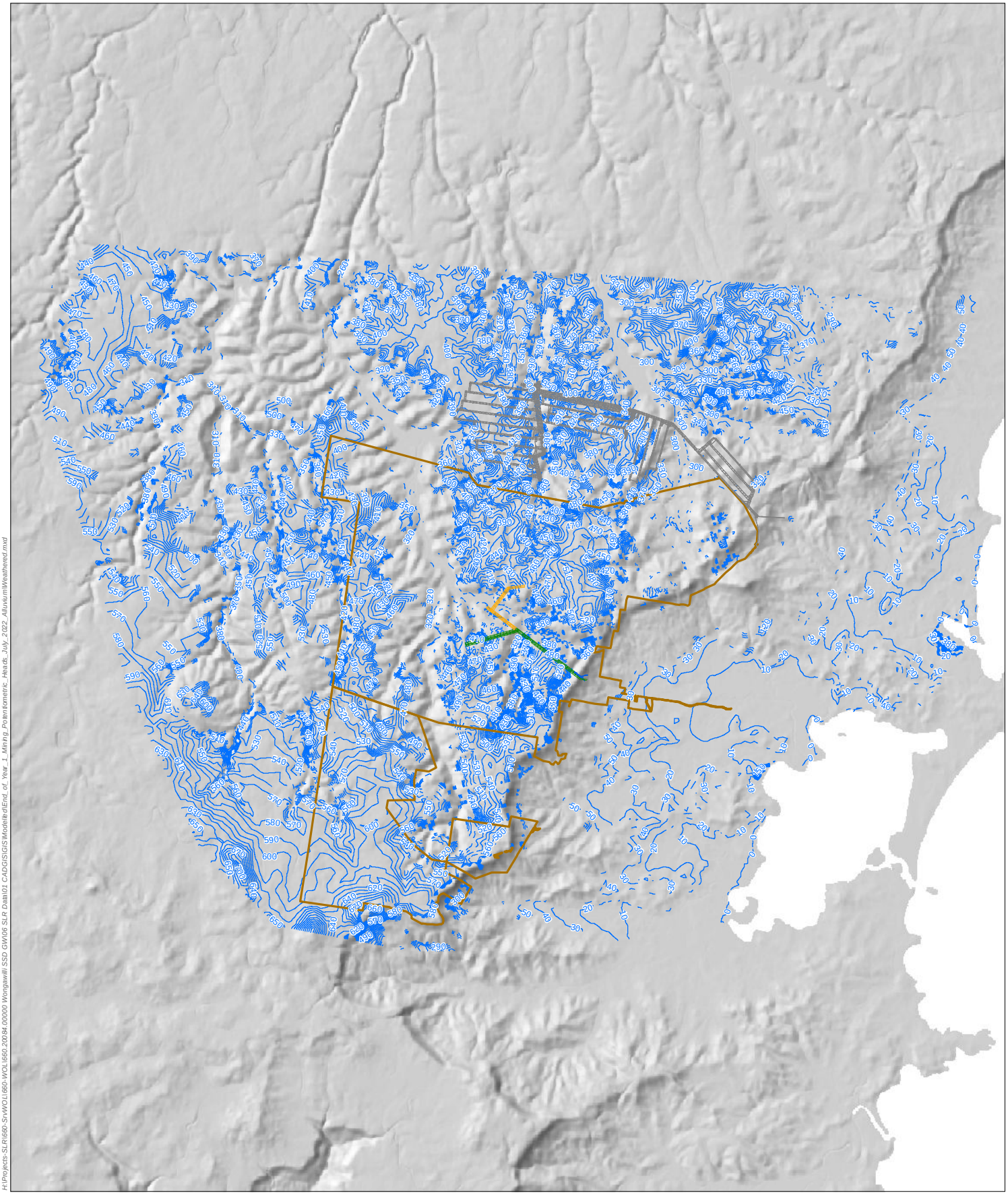
GROUNDWATER IMPACT ASSESSMENT

End of Calibration - Potentiometric Heads - July 2020 - Alluvium\Weathered

C - 2

Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)



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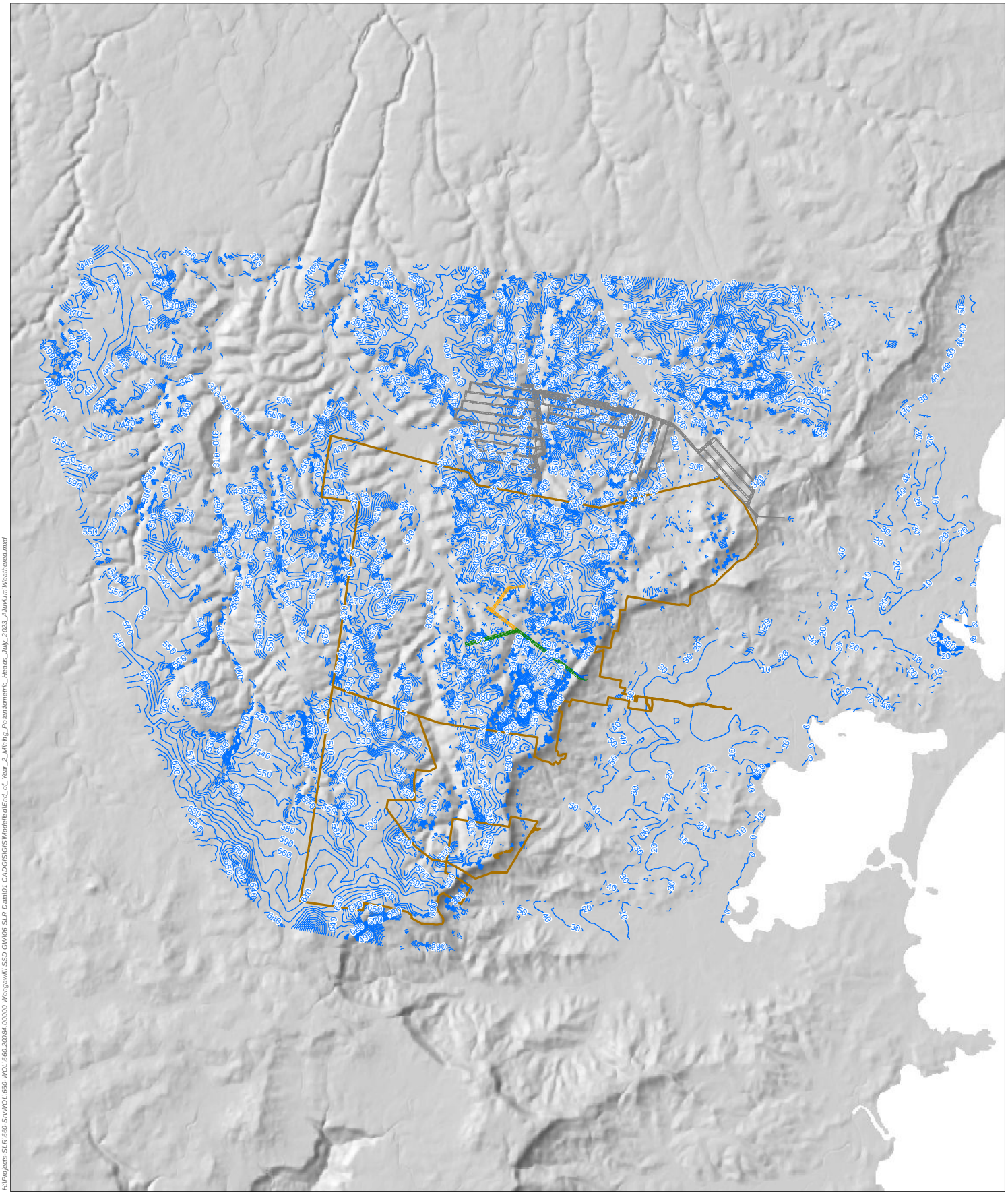
GROUNDWATER IMPACT ASSESSMENT

End of Year 1 Mining - Potentiometric Heads - July 2022 - Alluvium\Weathered

C - 3

Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)



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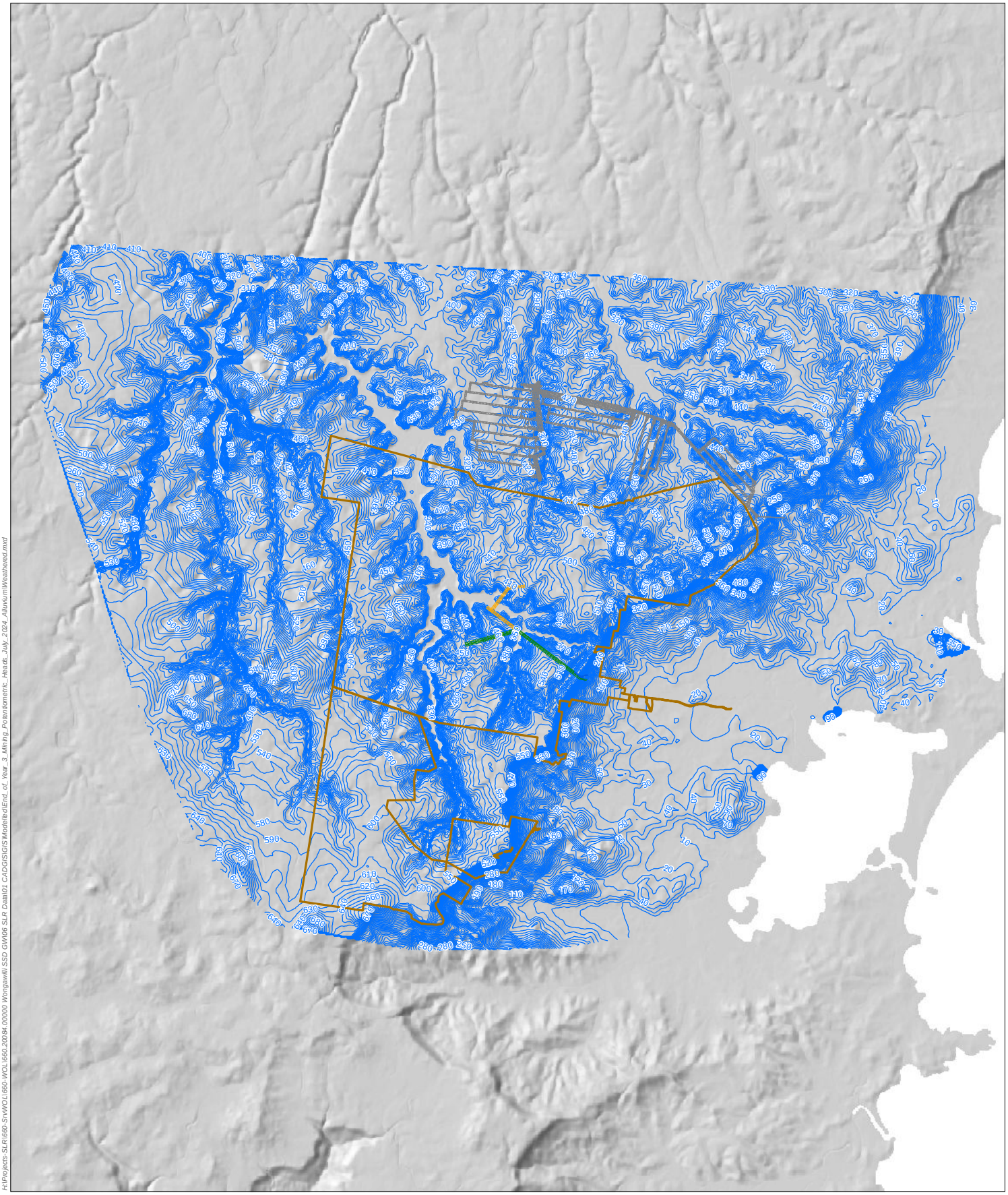
GROUNDWATER IMPACT ASSESSMENT

End of Year 2 Mining - Potentiometric Heads - July 2023 - Alluvium\Weathered

C - 4

Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)



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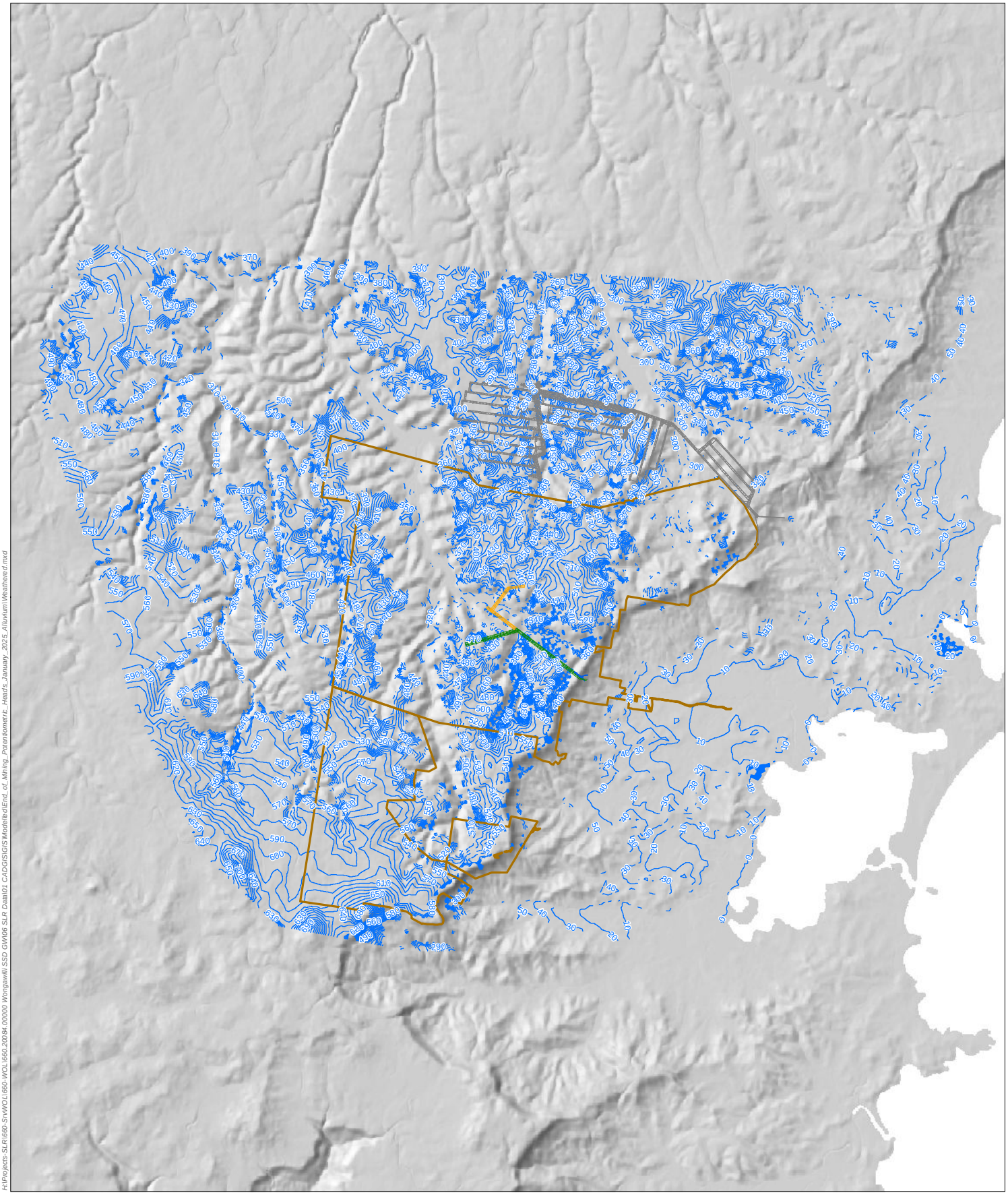
GROUNDWATER IMPACT ASSESSMENT

End of Year 3 Mining - Potentiometric Heads - July 2024 - Alluvium\Weathered

C - 5

Legend

- Potentiometric Surface (mAHD)
- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease



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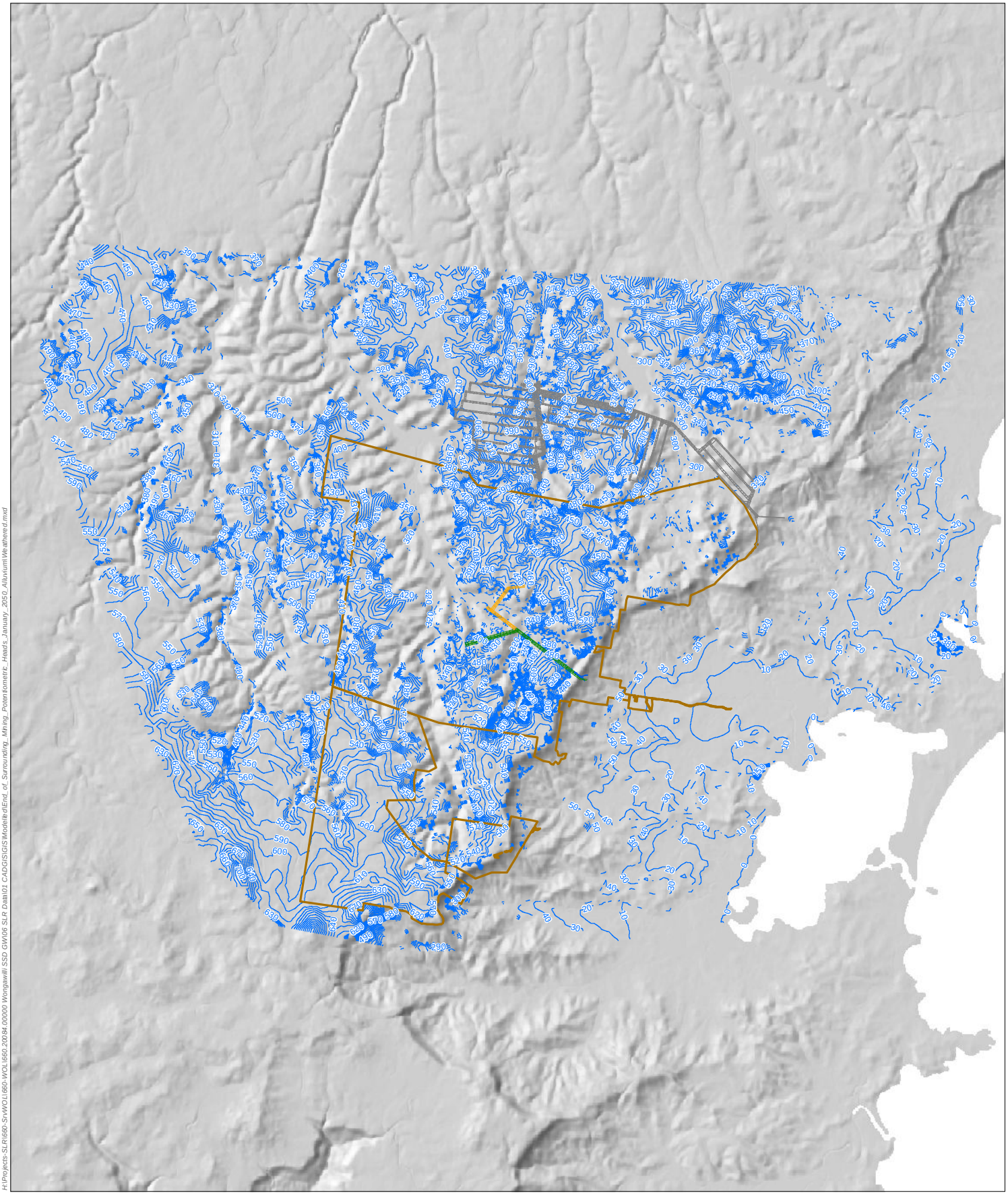
GROUNDWATER IMPACT ASSESSMENT

End of Mining - Potentiometric Heads - January 2025 - Alluvium\Weathered

C - 6

Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)



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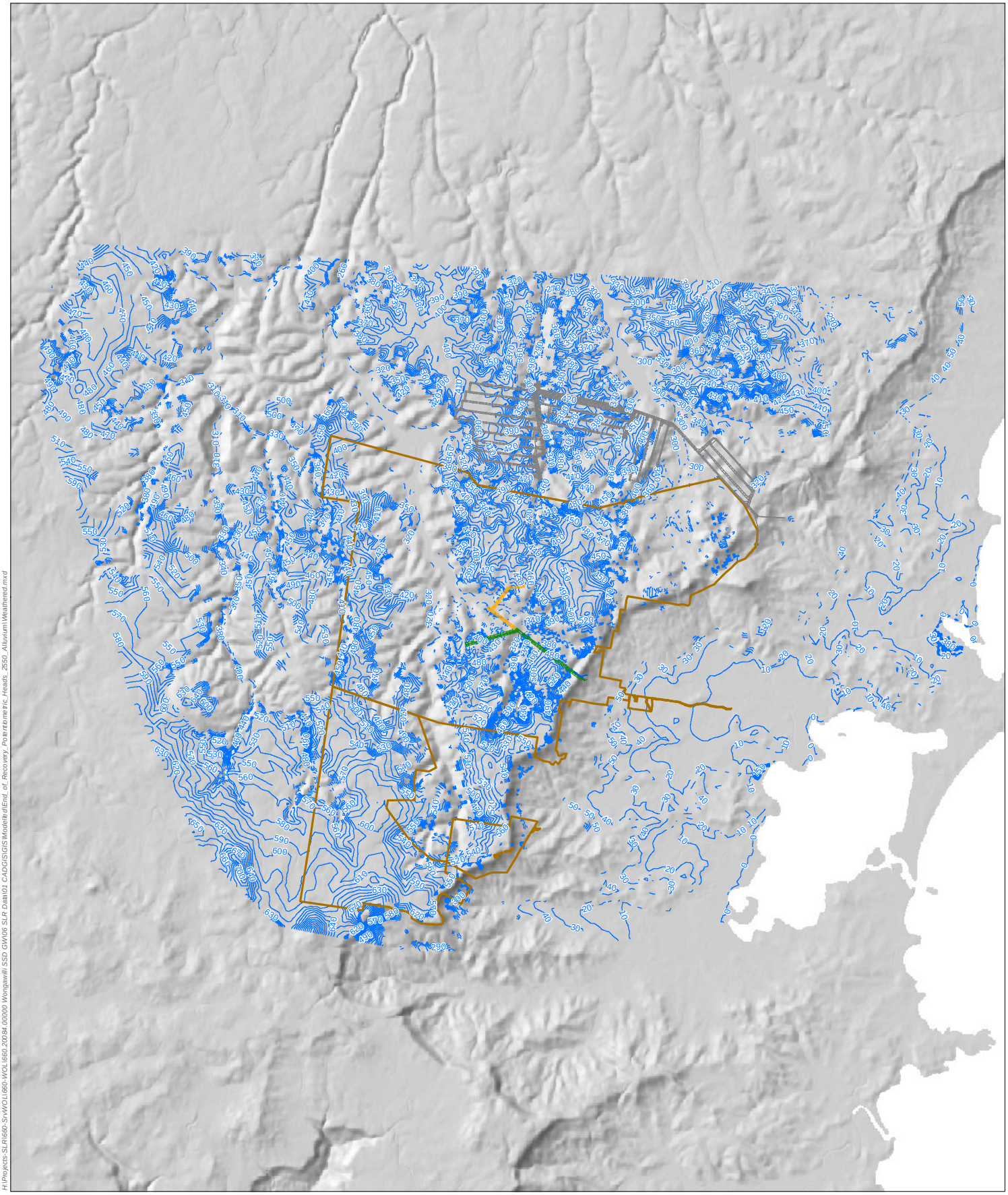
GROUNDWATER IMPACT ASSESSMENT

End of Surrounding Mining - Potentiometric Heads - January 2050 - Alluvium\Weathered

C - 7

Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)



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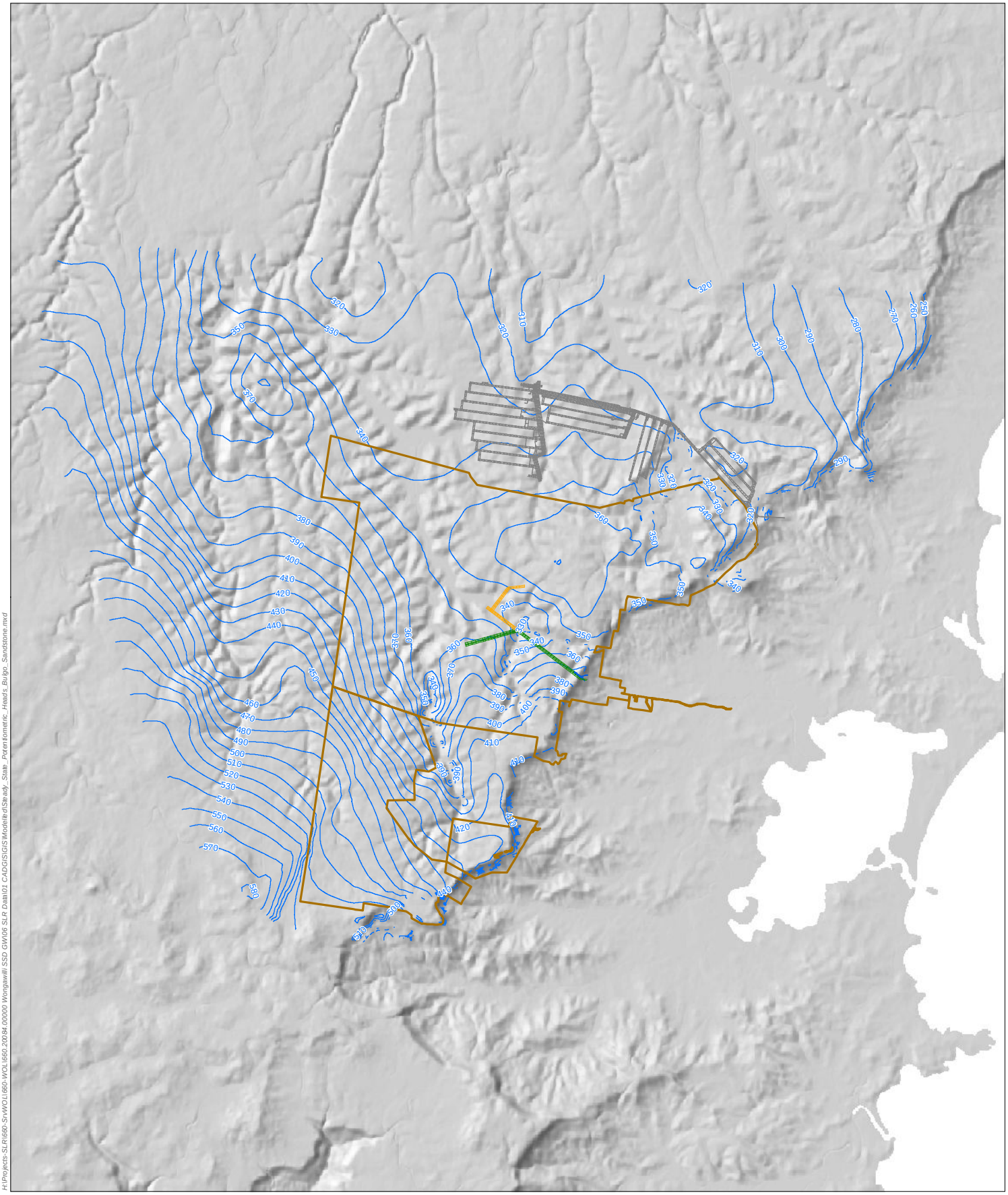
Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)

GROUNDWATER IMPACT ASSESSMENT

End of Recovery - Potentiometric Heads - 2550 - Alluvium\Weathered

C - 8



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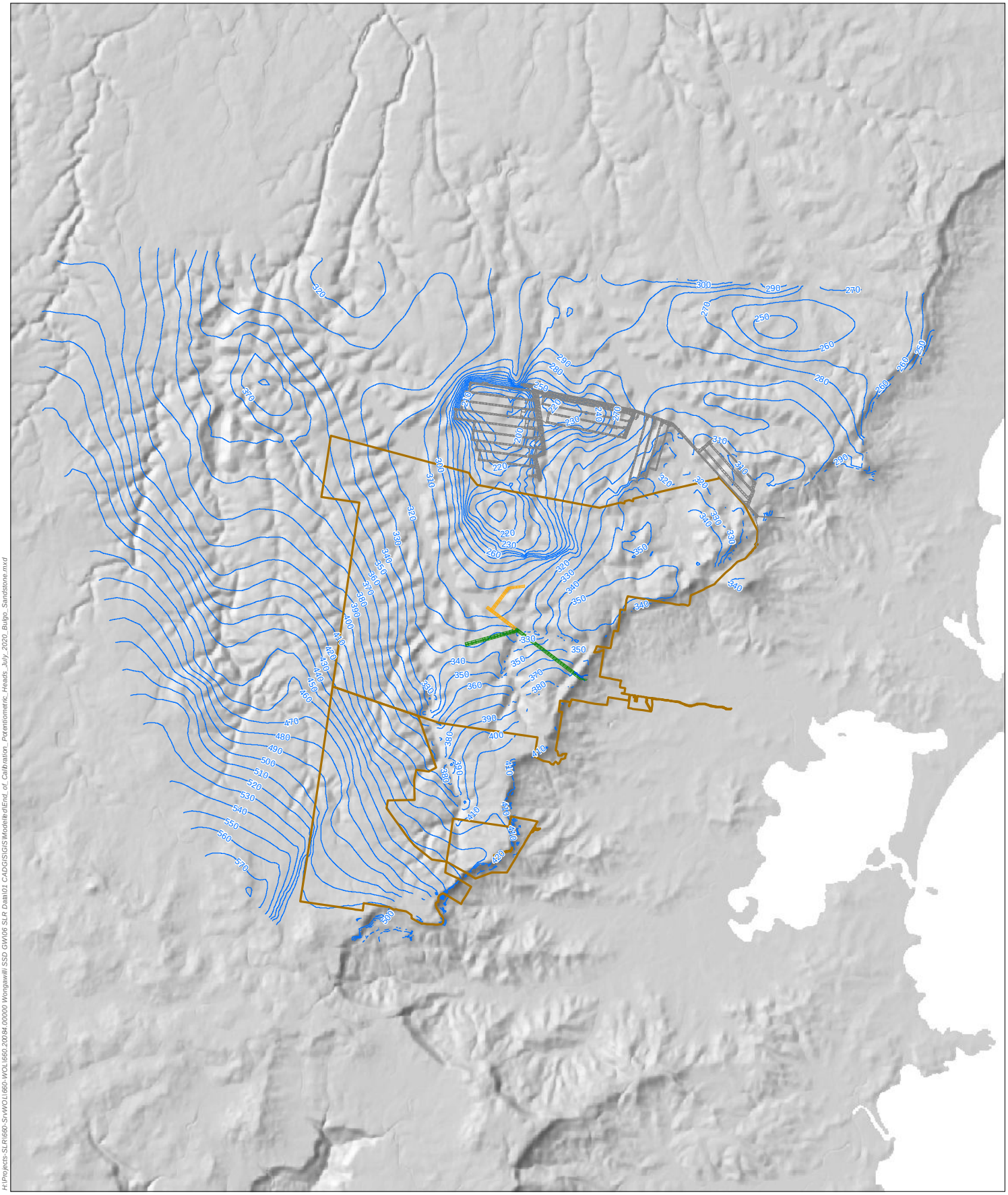
GROUNDWATER IMPACT ASSESSMENT

Steady State - Potentiometric Heads - Bulgo Sandstone

C - 9

Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)



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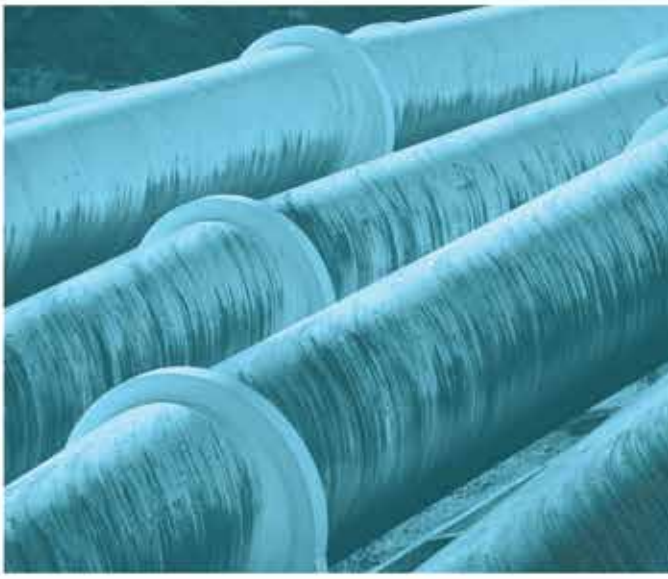
GROUNDWATER IMPACT ASSESSMENT

End of Calibration - Potentiometric Heads - July 2020 - Bulgo Sandstone

C - 10

Legend

- Proposed workings
- Approved workings
- Dendrobium workings
- Current workings
- Mining Lease
- Potentiometric Surface (mAHD)



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