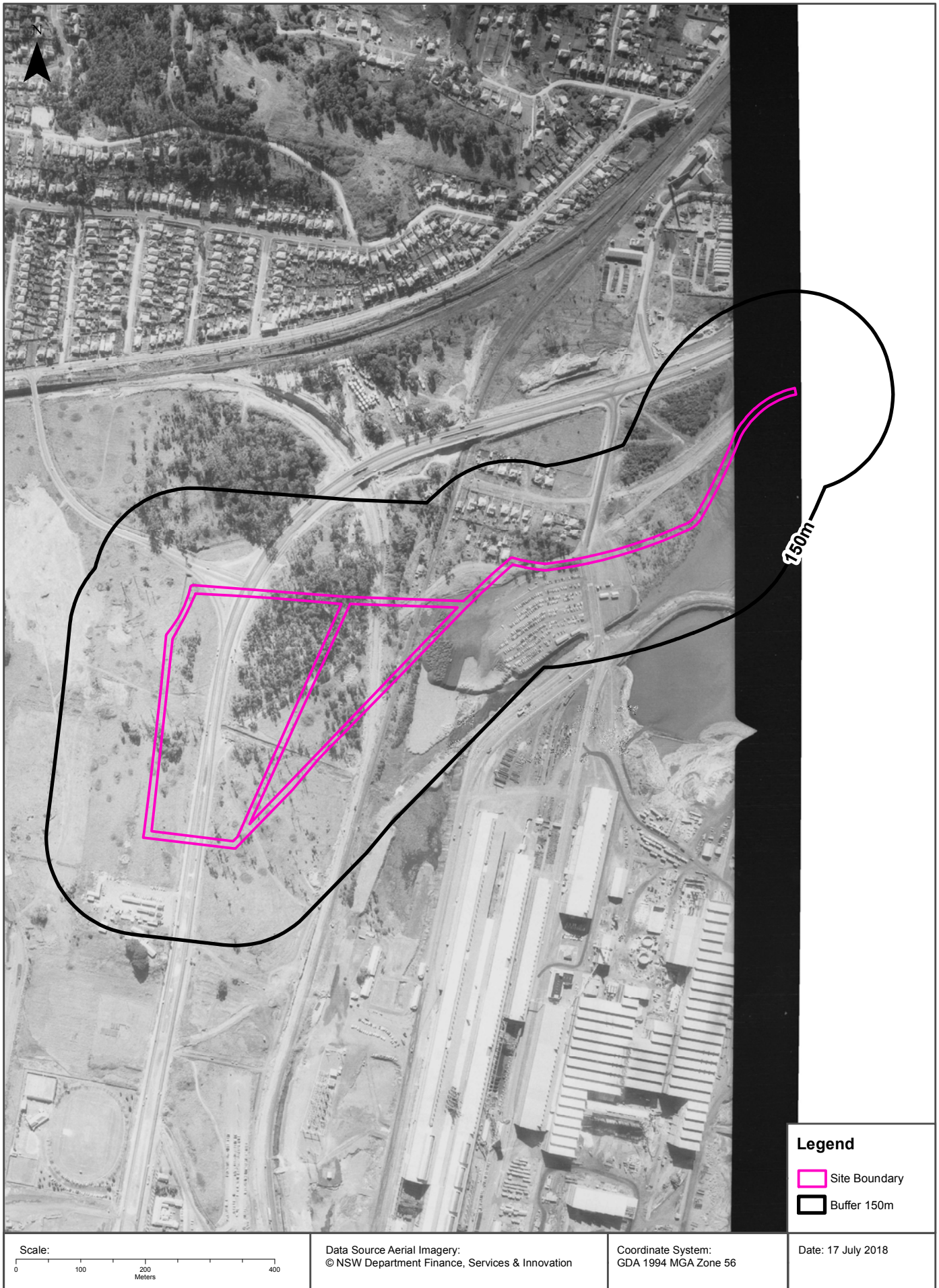


Aerial Imagery 1961

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Aerial Imagery 1961

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



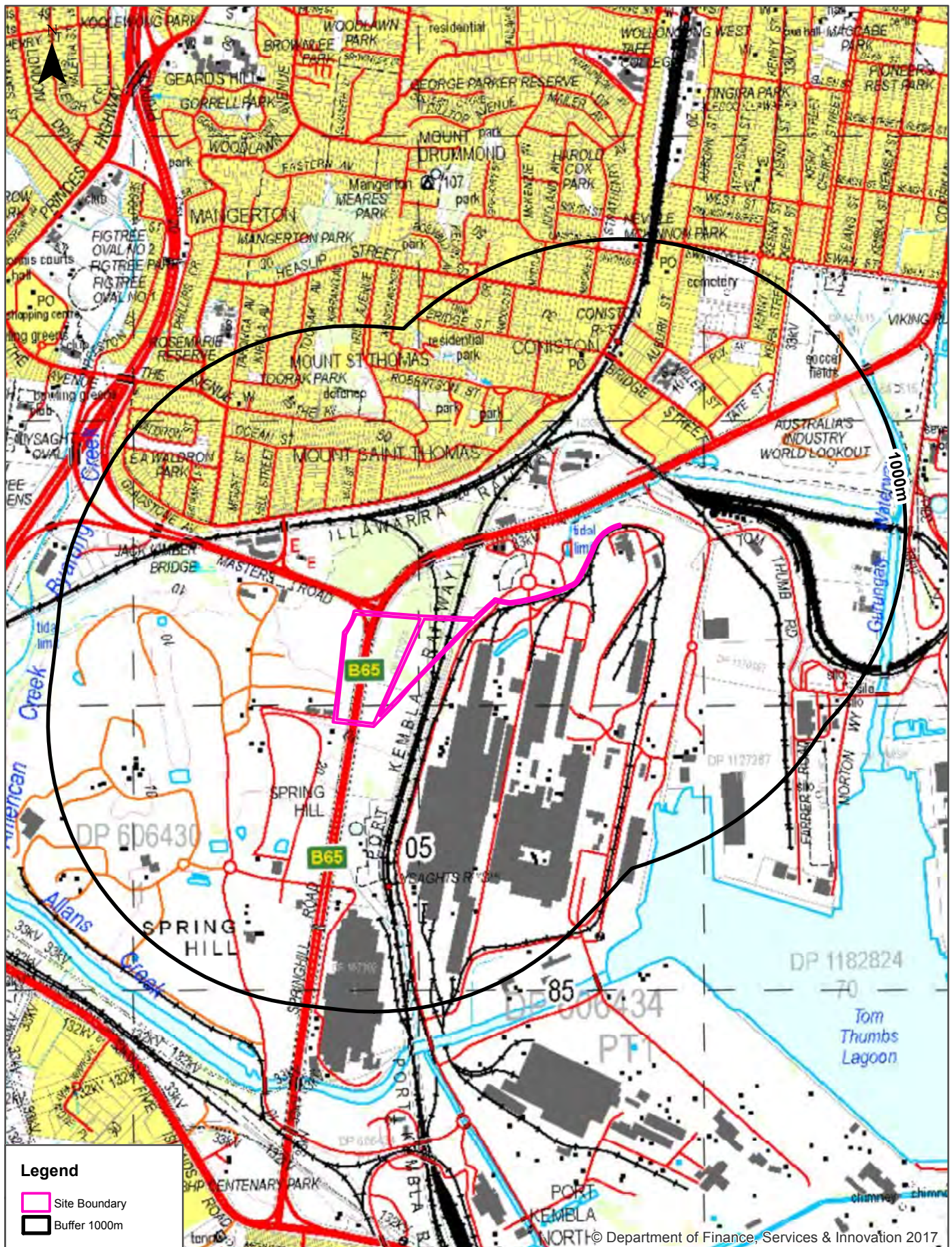
Aerial Imagery 1951

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



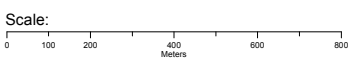
Topographic Map 2015

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Legend

- Site Boundary
- Buffer 1000m



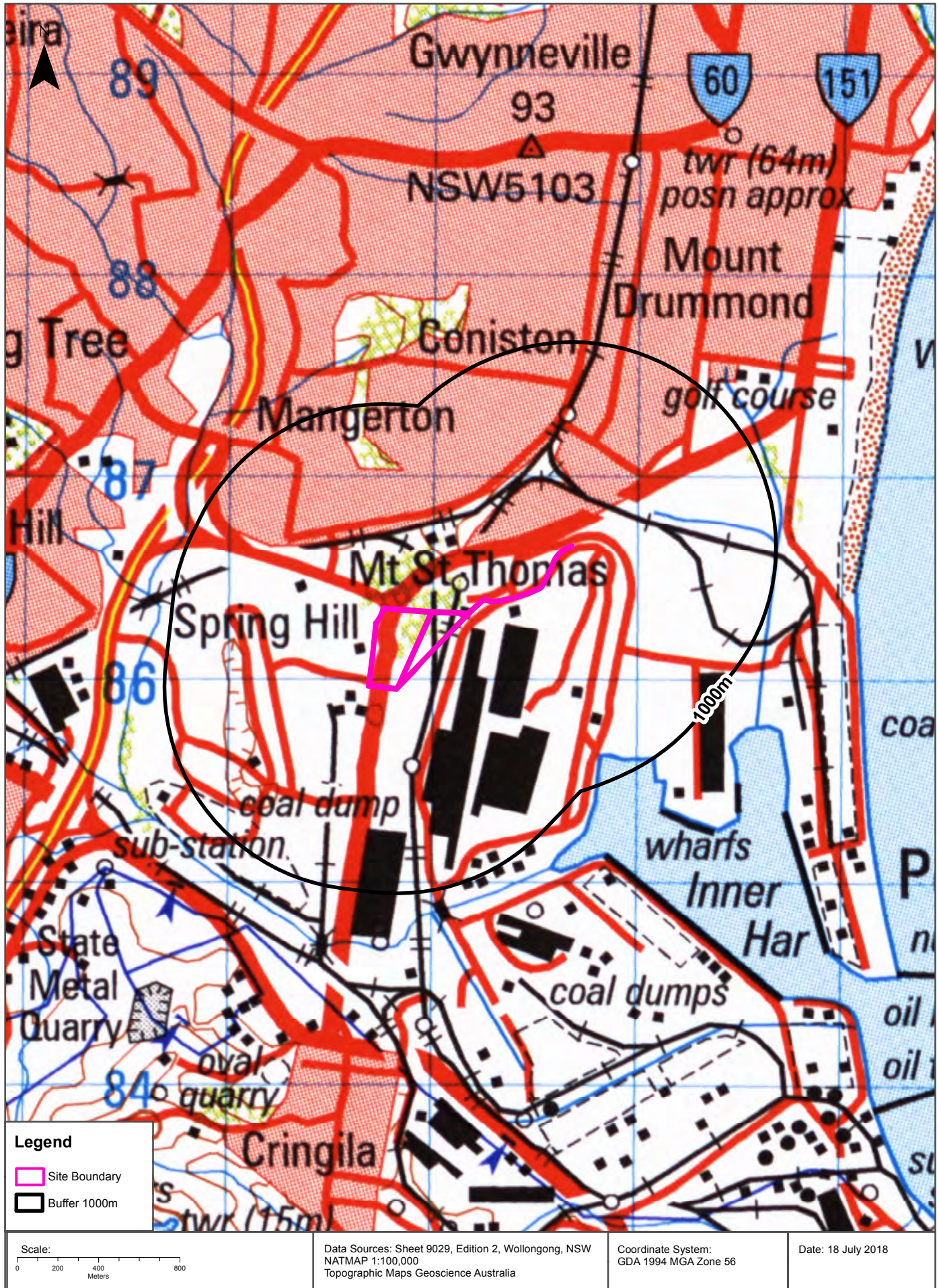
Data Sources: Topographic Map Data
© NSW Land and Property Information

Coordinate System:
GDA 1994 MGA Zone 56

Date: 20 July 2018

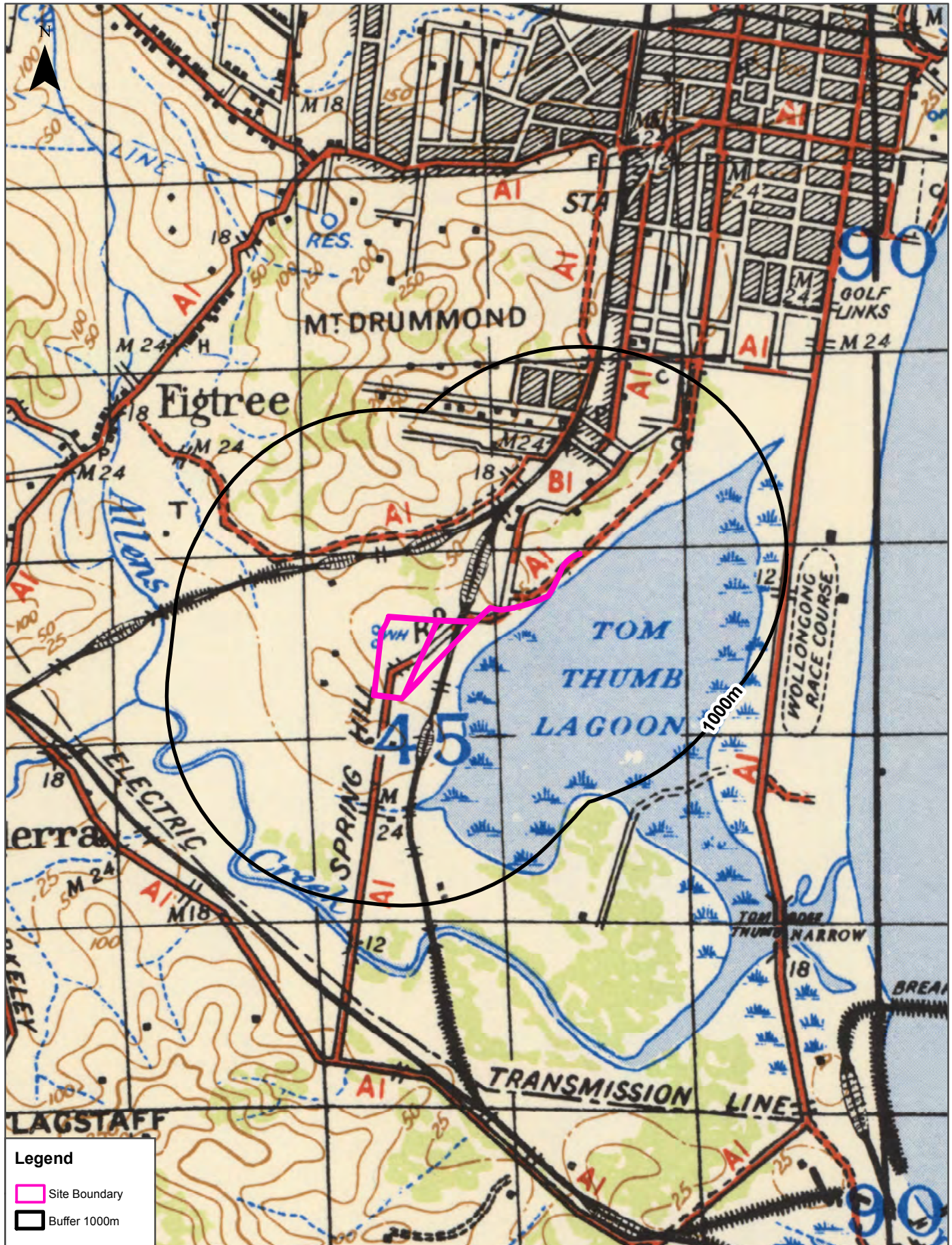
Historical Map 1998

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)




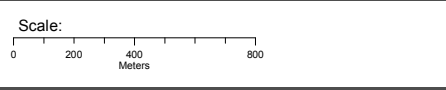
Historical Map 1942

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Legend

-  Site Boundary
-  Buffer 1000m



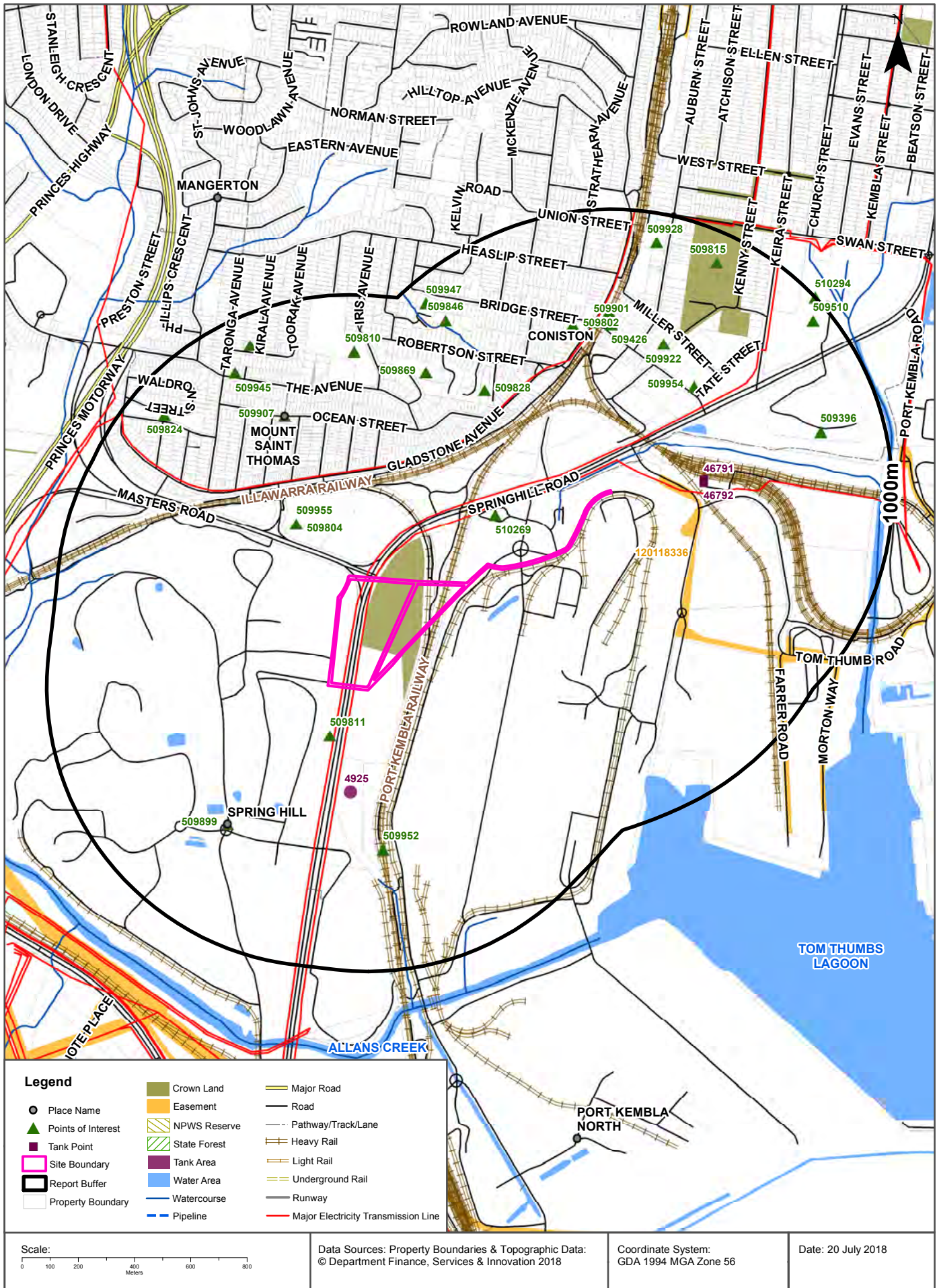
Data Sources: Australia 1:63360, Sheet 434, Wollongong, NSW. Prepared by Australian Section Imperial General Staff

Coordinate System: GDA 1994 MGA Zone 56

Date: 18 July 2018

Topographic Features

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Topographic Features

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Points of Interest

What Points of Interest exist within the dataset buffer?

| Map Id | Feature Type | Label | Distance | Direction |
|--------|--------------------|------------------------------------|----------|------------|
| 509811 | Mountain/Hill/Peak | SPRING HILL | 176m | South West |
| 510269 | Community Facility | BHP VISITORS CENTRE | 176m | North East |
| 509955 | SES Facility | CONISTON SES | 262m | North West |
| 509804 | SES Facility | ILLAWARRA SOUTH COAST SES | 262m | North West |
| 509954 | Medical Centre | CONISTON MENTAL HEALTH SERVICES | 473m | North East |
| 509828 | Park | Park | 547m | North |
| 509922 | Primary School | CONISTON PUBLIC SCHOOL | 552m | North East |
| 509952 | Railway Station | LYSAGHTS RAILWAY STATION | 569m | South |
| 509426 | Community Facility | CONISTON COMMUNITY CENTRE | 591m | North East |
| 509901 | Suburb | CONISTON | 600m | North East |
| 509802 | Post Office | CONISTON POST OFFICE | 603m | North East |
| 509899 | Locality | SPRING HILL | 609m | South West |
| 509907 | Suburb | MOUNT SAINT THOMAS | 614m | North West |
| 509951 | Railway Station | CONISTON RAILWAY STATION | 637m | North East |
| 509869 | Park | Park | 715m | North |
| 509396 | Lookout | AUSTRALIA'S INDUSTRY WORLD LOOKOUT | 775m | North East |
| 509810 | Mountain/Hill/Peak | MOUNT ST THOMAS | 796m | North |
| 509846 | Park | Park | 825m | North |
| 509945 | Place Of Worship | ASSEMBLIES OF GOD SLAVIC CHURCH | 828m | North West |
| 509824 | Park | E A WALDRON PARK | 871m | North West |
| 509830 | Park | TOORAK PARK | 892m | North West |
| 509815 | Cemetery | WOLLONGONG CEMETERY | 892m | North East |
| 509928 | Post Office | WOLLONGONG POST BUSINESS CENTRE | 895m | North East |
| 509947 | Community Home | WARRIGAL CARE CONISTON | 917m | North |
| 509510 | Sports Field | SOCCER FIELDS | 937m | North East |
| 510294 | Community Facility | CONISTON LIONS UNITED SOCCER CLUB | 998m | North East |

Topographic Data Source: © Land and Property Information (2015)

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Topographic Features

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

| Map Id | Tank Type | Status | Name | Feature Currency | Distance | Direction |
|--------|-----------|-------------|------|------------------|----------|-----------|
| 4925 | Undefined | Operational | | 09/04/2006 | 343m | South |

Tanks (Points)

What are the Tank Points located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

| Map Id | Tank Type | Status | Name | Feature Currency | Distance | Direction |
|--------|-----------|-------------|------|------------------|----------|------------|
| 46792 | Undefined | Operational | | 09/04/2006 | 331m | North East |
| 46791 | Undefined | Operational | | 09/04/2006 | 332m | North East |

Tanks Data Source: © Land and Property Information (2015)

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Major Easements

What Major Easements exist within the dataset buffer?

Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

| Map Id | Easement Class | Easement Type | Easement Width | Distance | Direction |
|-----------|----------------|---------------|----------------|----------|-----------|
| 120118336 | Primary | Undefined | | 173m | East |

Easements Data Source: © Land and Property Information (2015)

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Topographic Features

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

State Forest

What State Forest exist within the dataset buffer?

| State Forest Number | State Forest Name | Distance | Direction |
|---------------------|----------------------|----------|-----------|
| N/A | No records in buffer | | |

State Forest Data Source: © Land and Property Information (2015)

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National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

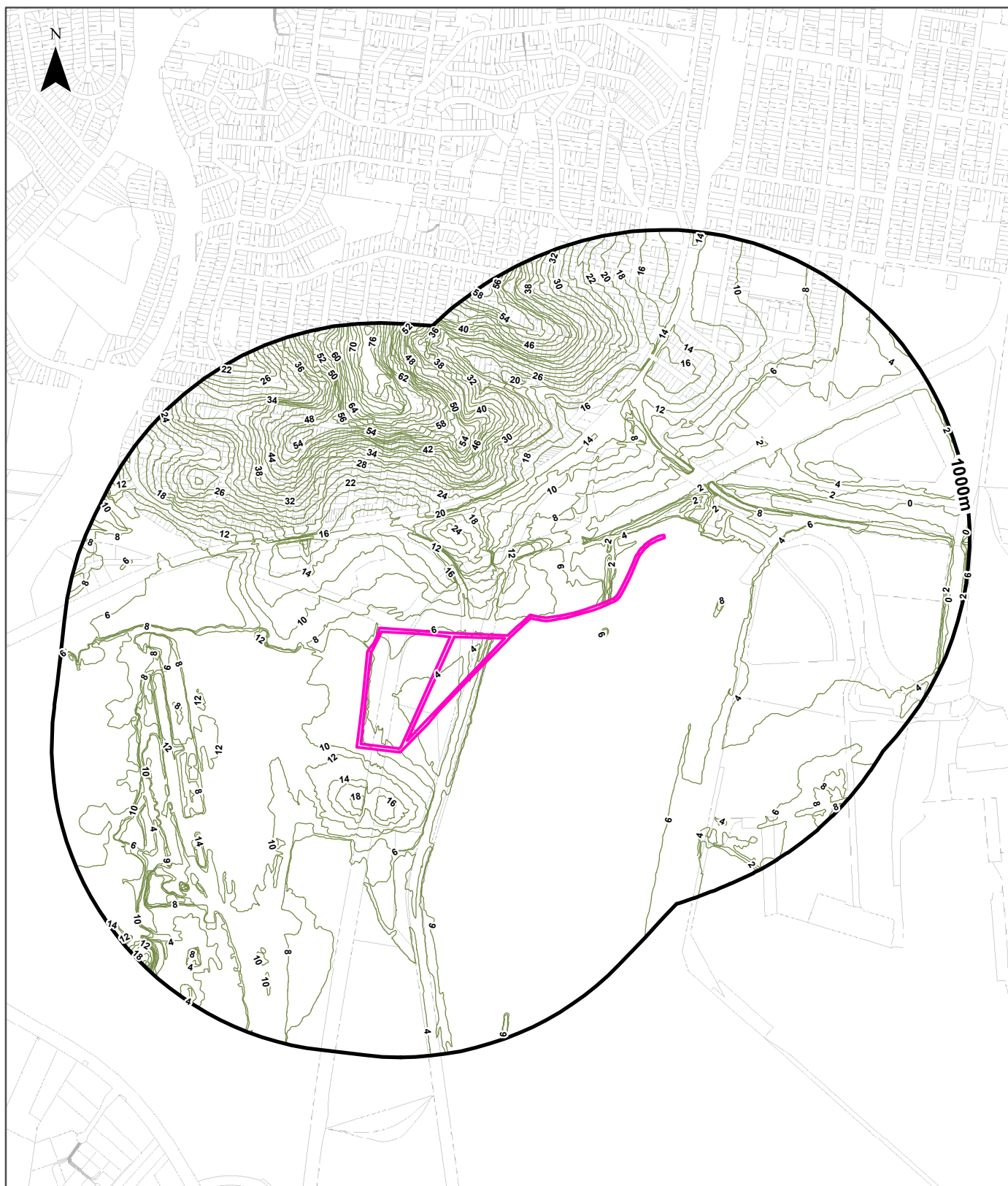
| Reserve Number | Reserve Type | Reserve Name | Gazetted Date | Distance | Direction |
|----------------|----------------------|--------------|---------------|----------|-----------|
| N/A | No records in buffer | | | | |

NPWS Data Source: © Land and Property Information (2015)

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Elevation Contours (m AHD)

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Legend

- Elevation Contour (m AHD)
- Site Boundary
- Report Buffer
- Property Boundary

Accuracy & Currency: This contour data can be up to 0.4 of the contour interval out in height and must therefore not be used for any design or engineering works, but only as a general guide to topography. Gaps may occur along contour lines due to vertical topography, obscured topography in the source photography such as buildings, dense vegetation or dead ground, or the fact that original buildings have been replaced in the intervening thirty years since the original contour capture.



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2018

Coordinate System:
GDA 1994 MGA Zone 56

Date: 20 July 2018

Hydrogeology & Groundwater

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Hydrogeology

Description of aquifers on-site:

| Description |
|---|
| Fractured or fissured, extensive aquifers of low to moderate productivity |

Description of aquifers within the dataset buffer:

| Description |
|---|
| Fractured or fissured, extensive aquifers of low to moderate productivity |

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Botany Groundwater Management Zones

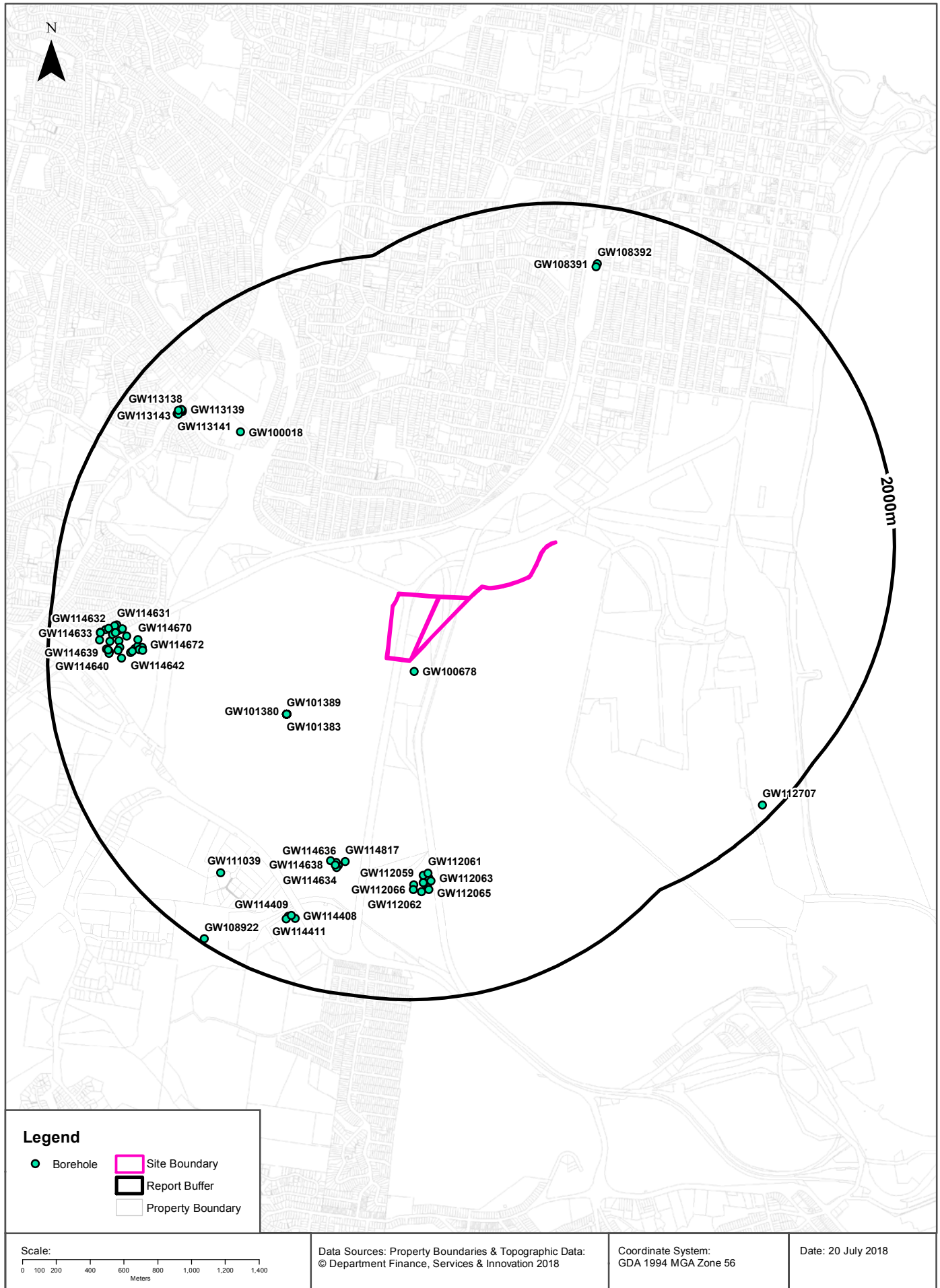
Groundwater management zones relating to the Botany Sand Beds aquifer within the dataset buffer:

| Management Zone No. | Restriction | Distance | Direction |
|---------------------|----------------------|----------|-----------|
| N/A | No records in buffer | | |

Botany Groundwater Management Zones Data Source : NSW Department of Primary Industries

Groundwater Boreholes

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Hydrogeology & Groundwater

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Groundwater Boreholes

Boreholes within the dataset buffer:

| GW No. | Licence No | Work Type | Owner Type | Purpose | Contractor | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|----------|------------|-----------|------------|------------|-------------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|------|------------|
| GW100678 | 10BL156580 | Bore | Private | Monitoring | KH Adams & Sons Pty Ltd | 22/03/1995 | 65.00 | 65.00 | 2200 | 8.20 | 7.500 | | 64m | South West |
| GW101391 | 10BL156497 | Bore | Mines | Monitoring | | 18/05/1992 | 6.50 | 6.50 | | | | | 669m | South West |
| GW101383 | 10BL156497 | Bore | Mines | Monitoring | | 22/04/1992 | 9.00 | 9.00 | | | | | 670m | South West |
| GW101379 | 10BL156497 | Bore | Mines | Monitoring | | 01/04/1992 | 9.60 | 9.60 | | | | | 670m | South West |
| GW101390 | 10BL156497 | Bore | Mines | Monitoring | | 18/05/1992 | 12.00 | 12.00 | | | | | 670m | South West |
| GW101381 | 10BL156497 | Bore | Mines | Monitoring | | 13/04/1992 | 32.50 | 32.50 | | | | | 670m | South West |
| GW101373 | 10BL156497 | Bore | Mines | Monitoring | | 24/04/1992 | 8.00 | 8.00 | | | | | 670m | South West |
| GW101380 | 10BL156497 | Bore | Mines | Monitoring | | 14/05/1992 | 15.00 | 15.00 | | | | | 670m | South West |
| GW101371 | 10BL156497 | Bore | Mines | Monitoring | | 24/04/1992 | 8.60 | 8.60 | | | | | 670m | South West |
| GW101389 | 10BL156497 | Bore | Mines | Monitoring | | 13/05/1992 | 4.00 | 4.00 | | | | | 670m | South West |
| GW101366 | 10BL156497 | Bore | Mines | Monitoring | | 28/04/1992 | 5.00 | 5.00 | | | | | 670m | South West |
| GW101386 | 10BL156497 | Bore | Mines | Monitoring | | 01/05/1992 | 10.10 | 10.10 | | | | | 670m | South West |
| GW101374 | 10BL156497 | Bore | Mines | Monitoring | | 12/05/1992 | 38.60 | 38.60 | | | | | 670m | South West |
| GW101368 | 10BL156497 | Bore | Mines | Monitoring | | 14/05/1992 | 5.60 | 5.60 | | | | | 670m | South West |
| GW101388 | 10BL156497 | Bore | Mines | Monitoring | | 13/05/1992 | 10.00 | 10.00 | | | | | 670m | South West |
| GW101377 | 10BL156497 | Bore | Mines | Monitoring | | 09/04/1992 | 5.10 | 5.10 | | | | | 670m | South West |
| GW101375 | 10BL156497 | Bore | Mines | Monitoring | | 12/05/1992 | 11.00 | 11.00 | | | | | 670m | South West |
| GW101363 | 10BL156497 | Bore | Mines | Monitoring | | 08/04/1992 | 21.00 | 21.00 | | | | | 670m | South West |
| GW101387 | 10BL156497 | Bore | Mines | Monitoring | | 30/04/1992 | 13.00 | 13.00 | | | | | 670m | South West |
| GW101367 | 10BL156497 | Bore | Mines | Monitoring | | 04/05/1992 | 26.00 | 30.00 | | | | | 670m | South West |
| GW101385 | 10BL156497 | Bore | Mines | Monitoring | | 29/04/1992 | 6.00 | 6.00 | | | | | 670m | South West |
| GW101370 | 10BL156497 | Bore | Mines | Monitoring | | 23/04/1992 | 40.00 | 40.00 | | | | | 670m | South West |
| GW101382 | 10BL156497 | Bore | Mines | Monitoring | | 14/04/1992 | 13.50 | 13.50 | | | | | 670m | South West |
| GW101365 | 10BL156497 | Bore | Mines | Monitoring | | 28/04/1992 | 17.50 | 17.60 | | | | | 670m | South West |
| GW101372 | 10BL156497 | Bore | Mines | Monitoring | | 15/04/1992 | 26.70 | 26.70 | | | | | 670m | South West |
| GW101551 | 10BL156497 | Bore | | Monitoring | | 18/05/1992 | 6.00 | 6.00 | | | | | 670m | South West |
| GW101378 | 10BL156497 | Bore | Mines | Monitoring | | 10/04/1992 | 19.60 | 19.60 | | | | | 670m | South West |

| GW No. | Licence No | Work Type | Owner Type | Purpose | Contractor | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|----------|------------------------|-----------|------------|-----------------|-------------------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|--------|------------|
| GW101392 | 10BL156497 | Bore | Mines | Monitoring | | 15/05/1992 | 13.00 | 13.00 | | | | | 670m | South West |
| GW101364 | 10BL156497 | Bore | Mines | Monitoring | | 08/04/1992 | 7.90 | 7.90 | | | | | 670m | South West |
| GW101369 | 10BL156497 | Bore | Private | Monitoring | | 08/05/1992 | 6.50 | 6.60 | | | | | 670m | South West |
| GW101384 | 10BL156497 | Bore | Mines | Monitoring | | 29/04/1992 | 22.00 | 22.00 | | | | | 670m | South West |
| GW101376 | 10BL156497 | Bore | Mines | Monitoring | | 08/04/1992 | 11.80 | 11.80 | | | | | 670m | South West |
| GW114817 | 10BL605478 | Bore | Private | Monitoring bore | ENVIRODRILL | 11/12/2014 | 3.00 | 3.00 | | | | | 1224 m | South |
| GW114638 | 10BL605432 | Bore | Private | Monitoring bore | | 07/11/2013 | 3.00 | 3.00 | | | | | 1239 m | South West |
| GW114636 | 10BL605432 | Bore | Private | Monitoring bore | | 07/11/2013 | 3.00 | 3.00 | | | | | 1240 m | South West |
| GW114637 | 10BL605432 | Bore | Private | Monitoring bore | | 07/11/2013 | 3.00 | 3.00 | | | | | 1254 m | South West |
| GW112061 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 1.20 | 1.20 | | | | | 1256 m | South |
| GW114635 | 10BL605432 | Bore | Private | Monitoring bore | | 07/01/2013 | 3.00 | 3.00 | | | | | 1256 m | South West |
| GW112058 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 2.00 | 2.00 | | | | | 1267 m | South |
| GW114634 | 10BL605432 | Bore | Private | Monitoring bore | ENVIRODRILL | 21/03/2014 | 2.40 | 2.40 | | | | | 1270 m | South West |
| GW112064 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 1.70 | 1.70 | | | | | 1285 m | South |
| GW112063 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 1.50 | 1.50 | | | | | 1304 m | South |
| GW100524 | 10BL156496 | Bore | Private | Monitoring | | 14/10/1993 | 11.21 | 11.21 | | | | | 1310 m | South |
| GW112057 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 1.00 | 1.00 | | | | | 1310 m | South |
| GW100526 | 10BL156496 | Bore | Private | Monitoring | | 14/10/1993 | 12.38 | 12.38 | | | | | 1310 m | South |
| GW100525 | 10BL156496 | Bore | Private | Monitoring | | 14/10/1993 | 13.48 | 13.48 | | | | | 1311 m | South |
| GW112059 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 1.00 | 1.00 | | | | | 1321 m | South |
| GW100018 | 10BL156571, 10WA107737 | Bore | Private | Recreation | Windley's Water Wells Pty Ltd | 16/03/1995 | 36.00 | 36.00 | Good | 4.00 | 3.500 | | 1332 m | North West |
| GW112060 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 2.00 | 2.00 | | | | | 1334 m | South |
| GW112066 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 2.00 | 2.00 | | | | | 1348 m | South |
| GW112065 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 2.00 | 2.00 | | | | | 1354 m | South |
| GW112062 | 10BL157702 | Bore | Private | Monitoring | | 03/08/1994 | 3.00 | 3.00 | | | | | 1363 m | South |
| GW114674 | 10BL605474 | Bore | Private | Monitoring bore | ENVIRODRILL | 19/03/2014 | 5.00 | 5.00 | | | | | 1437 m | West |
| GW114672 | 10BL605474 | Bore | Private | Monitoring bore | | 06/11/2013 | 5.50 | 5.50 | | | | | 1442 m | West |
| GW114673 | 10BL605474 | Bore | Private | Monitoring bore | | 04/11/2013 | 5.50 | 5.50 | | | | | 1457 m | West |
| GW114671 | 10BL605474 | Bore | Private | Monitoring bore | | 05/11/2013 | 6.00 | 6.00 | | | | | 1467 m | West |
| GW114670 | 10BL605474 | Bore | Private | Monitoring bore | | 05/11/2013 | 6.00 | 6.00 | | | | | 1471 m | West |
| GW114644 | 10BL605430 | Bore | Private | Monitoring bore | | 07/11/2013 | 5.50 | 5.50 | | | | | 1484 m | West |
| GW114643 | 10BL605430 | Bore | Private | Monitoring bore | ENVIRODRILL | 19/05/2014 | 5.00 | 5.00 | | | | | 1499 m | West |
| GW114642 | 10BL605430 | Bore | Private | Monitoring bore | | 05/11/2013 | 6.00 | 6.00 | | | | | 1510 m | West |

| GW No. | Licence No | Work Type | Owner Type | Purpose | Contractor | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|----------|------------|-----------|------------|-----------------|--------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|--------|------------|
| GW114668 | 10BL605474 | Bore | Private | Monitoring bore | ENVIRODRIL L | 01/02/2014 | 7.30 | 7.30 | | | | | 1537 m | West |
| GW114665 | 10BL605474 | Bore | Private | Monitoring bore | ENVIRODRIL L | 01/02/2014 | 7.50 | 7.50 | | | | | 1562 m | West |
| GW114511 | 10BL605524 | Bore | Private | Monitoring | ENVIRODRIL L | 28/03/2014 | 8.60 | 8.60 | | | | | 1567 m | West |
| GW114669 | 10BL605474 | Bore | Private | Monitoring bore | ENVIRODRIL L | 01/02/2014 | 7.30 | 7.30 | | | | | 1574 m | West |
| GW114557 | 10BL605526 | Bore | Private | Monitoring bore | ENVIRODRIL L | 28/03/2014 | 6.40 | 6.40 | | | | | 1579 m | West |
| GW114667 | 10BL605474 | Bore | Private | Monitoring bore | ENVIRODRIL L | 01/02/2014 | 7.20 | 7.20 | | | | | 1582 m | West |
| GW114666 | 10BL605474 | Bore | Private | Monitoring bore | ENVIRODRIL L | 01/02/2014 | 7.50 | 7.50 | | | | | 1584 m | West |
| GW114509 | 10BL605535 | Bore | Private | Monitoring | | 28/03/2014 | 6.80 | 6.80 | | | | | 1590 m | West |
| GW111039 | 10BL604123 | Well | Private | Monitoring | Macquarie Drilling | 16/07/2010 | 3.50 | 3.50 | | 1.00 | | | 1597 m | South West |
| GW114631 | 10BL605536 | Bore | Local Govt | Monitoring bore | ENVIRODRIL L | 28/03/2014 | 6.80 | 6.80 | | | | | 1603 m | West |
| GW114508 | 10BL605525 | Spear | Private | Monitoring | ENVIRODRIL L | 21/03/2014 | 6.50 | 6.50 | | | | | 1605 m | West |
| GW114629 | 10BL605536 | Bore | Local Govt | Monitoring bore | ENVIRODRIL L | 21/03/2014 | 8.60 | 8.60 | | | | | 1614 m | West |
| GW114410 | 10BL605157 | Bore | Private | Monitoring | | 06/03/2012 | 6.00 | 6.00 | | | | | 1617 m | South West |
| GW114513 | 10BL605522 | Bore | Private | Monitoring | ENVIRODRIL L | 21/03/2014 | 6.80 | 6.80 | | | | | 1622 m | West |
| GW114408 | 10BL605157 | Bore | Private | Monitoring | | 06/03/2012 | 7.20 | 7.20 | | | | | 1626 m | South West |
| GW114409 | 10BL605157 | Bore | Private | Monitoring | | 06/03/2012 | 6.00 | 6.00 | | | | | 1628 m | South West |
| GW114822 | 10BL605516 | Bore | Private | Monitoring bore | Total Drilling | 16/02/2014 | 5.40 | 5.40 | | 3.00 | | | 1633 m | West |
| GW114641 | 10BL605430 | Bore | Private | Monitoring bore | ENVIRODRIL L | 17/03/2014 | 5.00 | 5.00 | | | | | 1633 m | West |
| GW114640 | 10BL605430 | Bore | Private | Monitoring bore | | 05/11/2013 | 6.00 | 6.00 | | | | | 1637 m | West |
| GW114823 | 10BL605533 | Bore | Private | Monitoring bore | | 27/11/2013 | 7.30 | 7.30 | | 6.00 | | | 1641 m | West |
| GW108391 | 10BL600472 | Bore | | | | 28/09/2007 | 6.20 | 6.20 | | | | | 1642 m | North East |
| GW114628 | 10BL605536 | Bore | Local Govt | Monitoring bore | ENVIRODRIL L | 21/03/2014 | 7.30 | 7.30 | | | | | 1648 m | West |
| GW114411 | 10BL605157 | Bore | Private | Monitoring | | 06/03/2012 | 4.60 | 4.60 | | | | | 1648 m | South West |
| GW114639 | 10BL605430 | Bore | Private | Monitoring bore | | 07/11/2013 | 5.50 | 5.50 | | | | | 1653 m | West |
| GW108392 | 10BL600472 | Bore | | | | 28/09/2007 | 6.00 | 6.00 | | 5.83 | | | 1659 m | North East |
| GW114632 | 10BL605536 | Bore | Local Govt | Monitoring bore | ENVIRODRIL L | 28/03/2014 | 6.00 | 6.00 | | | | | 1664 m | West |
| GW113139 | 10BL164478 | Bore | Private | Monitoring | TERRATEST | 14/04/2004 | 6.10 | 6.10 | | | | | 1666 m | North West |
| GW113138 | 10BL164478 | Bore | Private | Monitoring | TERRATEST | 14/10/2004 | 6.10 | 6.10 | | | | | 1674 m | North West |
| GW113140 | 10BL164478 | Bore | Private | Monitoring | TERRATEST | 15/10/2004 | 6.10 | 6.10 | | | | | 1677 m | North West |
| GW112995 | 10BL164478 | Bore | Private | Monitoring | TERRATEST | 14/10/2004 | 6.10 | 6.10 | | | | | 1681 m | North West |
| GW113143 | 10BL164478 | Bore | Private | Monitoring | TERRATEST | 15/10/2004 | 6.10 | 6.10 | | | | | 1682 m | North West |
| GW113141 | 10BL164478 | Bore | Private | Monitoring | TERRATEST | 15/10/2004 | 6.10 | 6.10 | | | | | 1683 m | North West |
| GW113142 | 10BL164478 | Bore | Private | Monitoring | TERRATEST | 15/10/2004 | 6.10 | 6.10 | | | | | 1690 m | North West |
| GW114633 | 10BL605536 | Bore | Local Govt | Monitoring bore | ENVIRODRIL L | 21/03/2014 | 7.80 | 7.80 | | | | | 1694 m | West |

| GW No. | Licence No | Work Type | Owner Type | Purpose | Contractor | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|----------|--|-----------|------------|-----------------|------------------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|--------|------------|
| GW114630 | 10BL605536 | Bore | Local Govt | Monitoring bore | ENVIRODRILL | 28/03/2014 | 6.10 | 6.10 | | | | | 1694 m | West |
| GW114512 | 10BL605534 | Bore | Other Govt | Monitoring | ENVIRODRILL | 28/03/2014 | 6.00 | 6.00 | | | | | 1696 m | West |
| GW112707 | 10BL605035 | Bore | Private | Monitoring | Douglas Partners Pty Ltd | 22/11/2011 | 6.50 | 6.50 | | | | | 1927 m | South East |
| GW108922 | 10BL601914, 10BL602135, 10WA106720 | Bore | Private | Industrial | Southern Tablelands Drilling | 17/06/2008 | 31.00 | 31.00 | 384 | 7.00 | 0.080 | | 1974 m | South West |

Borehole Data Source : NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation for all bores prefixed with GW. All other bores © Commonwealth of Australia (Bureau of Meteorology) 2015. Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Hydrogeology & Groundwater

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Driller's Logs

Drill log data relevant to the boreholes within the dataset buffer:

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|---|----------|------------|
| GW100678 | 0.00m-0.60m TOPSOIL 0.60m-3.80m WEATHERED BASALT 3.80m-9.00m BASALT 9.00m-16.00m INDURATED SHALE 16.00m-65.00m SANDSTONE | 64m | South West |
| GW101391 | 0.00m-0.40m TOP SOIL.Dark topsoil 0.40m-5.20m CLAY.Firm brown to light brown clay. 5.20m-6.50m CLAY.Red to brown stiff clay.Some silt | 669m | South West |
| GW101363 | 0.00m-7.00m FILL. Dark slag fill range from 300mm near surface to 10mm and fines increase at depth 7.00m-10.00m CLAYS.Esturine. Dark brown to grey stiff esturine clays 10.00m-16.60m SANDSTONE.Weathered grey to light yellow.Drilled to refusal. 16.60m-21.00m SANDSTONE. Fresh grey sandstone. Water loss high. | 670m | South West |
| GW101364 | 0.00m-6.80m FILL Dark slag fill size range from 300mm near surface to 10 mm and fines at increased depth 6.80m-7.90m CLAYS.Esturine. Dark brown to grey stiff esturine clays | 670m | South West |
| GW101365 | 0.00m-2.00m FILL. Compacted coal wash reject 2.00m-12.60m CLAYS.ESTURINE. Dark brown to grey stiff esturine clays 12.60m-15.60m SANDSTONE.H.W. Sandstone becoming fresher with increasing depth 15.60m-17.60m SANDSTONE. Fresh grey sandstone | 670m | South West |
| GW101366 | 0.00m-2.00m FILL. Compacted coalwash reject. 2.00m-5.00m CLAYS.ESTURINE. Dark brown to grey stiff esturine clays. | 670m | South West |
| GW101367 | 1.80m-5.20m FILL. Compacted coal wash reject 5.20m-6.40m ESTURINE CLAYS.Dark brown to grey stiff esturine clays 6.40m-13.00m WEATHERED SANDSTONE.Green to grey weathered sandstone with minor gravels 13.00m-30.00m SANDSTONE.Fine grained grey fresh sandstone | 670m | South West |
| GW101368 | 0.00m-1.40m FILL. Dark slag fill with fines and some clay> 1.40m-3.20m CLAY.Red to brown stiff clay.Some silt 3.20m-4.40m SAND. Grey to lighbrown silty sand> 4.40m-5.60m CLAY. Stiff grey clay. | 670m | South West |
| GW101369 | 0.00m-0.60m TOP SOIL.Dark top soil 0.60m-1.80m FILL. Grey slag fill 1.80m-5.00m FILL. Compacted coal wash reject. 5.00m-6.40m ESTURINE CLAYS.Dark brown to grey stiff esturine clays. 6.40m-6.60m CLAY. Very silty clay. | 670m | South West |
| GW101370 | 0.00m-5.40m FILL.Dark grey slag fill> Some brown slags present> 5.40m-7.60m ESTURINE CLAY. Firm to stiff orange brown clay becoming grey with increasing depth. Some gravels. 7.60m-20.00m ESTURINE CLAYS.Dark brown to grey stiff esturine clays. At 15.8 m Grey stiff clays.At 17.9m Interbedded sands and clays. 20.00m-22.40m ESTURINE CLAYS.Dark brown to grey stiff esturine clays interbedded with sands> 22.40m-23.40m RESIDUAL CLAY. Light green clays> 23.40m-31.20m WEATHERED SANDSTONE.Fine grained highly weathered green sandstone 31.20m-40.00m SANDSTONE.Fine grained fresh grey sandstone. | 670m | South West |
| GW101371 | 0.00m-5.40m FILL.Dark slag fill.Some brown slags present. 5.40m-7.60m CLAY,ESTURINE. Firm to stiff orange brown clay becoming grey with increasing depth.Some gravels 7.60m-8.60m CLAY, ESTURINE.Dark brown to grey stiff esturine clays> | 670m | South West |
| GW101372 | 0.00m-3.40m FILL.Dark grey slag fill. Some brown slags present. 3.40m-6.40m CLAY. Light brown to bright orange wet clay. Possibly of filter cake or flue dust origin 6.40m-19.20m CLAY, ESTURINE. Dark brown to grey stiff esturine clays. 19.20m-22.40m SANDSTONE. E.W. Light brown sandstone. 22.40m-26.70m SANDSTONE. Fresh grey fine grained sandstone. | 670m | South West |
| GW101373 | 0.00m-3.40m FILL.Dark grey slag fill. Some brown slags present 3.40m-6.40m CLAY.Light brown to bright orange wet clay.Possibly of filter cake or flue dust origin. 6.40m-8.00m CLAY,ESTURINE.Dark brown to grey stiff esturine clays. | 670m | South West |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW101374 | 0.00m-0.60m CLAY. Loose sandy clay. 0.60m-9.00m CLAY. Firm sandy grey to brown clay. 9.00m-10.00m CLAY, ESTURINE. Sandy clay esturine clays> 10.00m-21.00m CLAYS, ESTURINE. Sandy esturine clays with some fine gravels. 21.00m-38.60m SANDSTONE.Fine to medium grained fresh grey sandstone. | 670m | South West |
| GW101375 | 0.00m-0.60m CLAY. Loose sandy clay 0.60m-9.00m CLAY. Firm sandy grey to brownclay> 9.00m-11.00m CLAYS,ESTURINE.Sandy clay. esturine clays, | 670m | South West |
| GW101376 | 0.00m-3.00m FILL. Slag fill with some dark clays. 3.00m-4.80m GRAVELS.Gravel particles to 6mm size.Sand and clay present.EW Sandstone. 4.80m-8.20m SANDSTONE.EW toW light brown sandstone becoming harder with increased depth. 8.20m-11.80m SANDSTONE.Fresh fine grained grey sandstone. | 670m | South West |
| GW101377 | 0.00m-3.00m FILL. Slag fill with some dark clays. 3.00m-5.10m GRAVELS.Gravel particles to 6mm size.Sand and clay present.EW Sandstone. | 670m | South West |
| GW101378 | 0.00m-8.60m FILL.Dark slag fill size range from 300mm near surface to 10mm & fines at increased depth. 8.60m-16.20m CLAY,ESTURINE.Dark grey stiff esturine clay. 16.20m-17.40m CLAY,ESTURINE.Dark grey stiff esturine clays with some minor sandstone particles. 17.40m-19.60m SANDSTONE.Fresh hard grey sandstone. | 670m | South West |
| GW101379 | 0.00m-8.60m FILL.Dark slag fill size range from 300mm near surface to 10mm& fines at increased depth. 8.60m-9.60m CLAY,ESTURINE.Dark grey stiff esturine clay. | 670m | South West |
| GW101380 | 0.00m-1.40m FILL.Dark slag fill with fines and some clay 1.40m-3.20m CLAY.Red to brown stiff clay.Some silt. 3.20m-4.40m SAND.Grey to light brown silty sand. 4.40m-6.00m CLAY.Stiff grey clay. 6.00m-6.80m SAND.Light brown silty sand. 6.80m-7.00m CLAY. Stiff grey to brown clay. 7.00m-9.00m SANDSTONE.Gravelly residual brown to yellow sandstone. 9.00m-12.40m SANDSTONE.Moderately weathered yellow sandstone. 12.40m-15.00m SANDSTONE.Fresh light brown to yellow Budgong sandstone. | 670m | South West |
| GW101381 | 0.00m-11.40m FILL. Mixed fill consisting of slag< filter cake and coalwash reject> Nodifinite bands-generally mixed. 11.40m-19.20m CLAY,ESTURINE:Grey esturine clay with some thin sand bands. Organic material< wood and root fragments. 19.20m-27.40m SANDSTONE.Weathered soft sandstone.Becomes less weathered with increasing depth. 27.40m-30.00m SANDSTONE.Brown to yellow slightly weathered sandstone. 30.00m-32.50m SANDSTONE.Fresh hard grey sandstone. | 670m | South West |
| GW101382 | 0.00m-12.00m FILL.Mixed fill consisting of slag,Filter cake and coal wash reject. No difinite bands-generally mixed. 12.00m-13.50m CLAYS, ESTURINE.Firm dark esturine clays. | 670m | South West |
| GW101383 | 0.00m-7.60m FILL.Dark slag fill size range from 300mm near surface to 10mm and fines at increased depth. 7.60m-9.00m CLAY,ESTURINE.Dark grey stiff esturine clay. | 670m | South West |
| GW101384 | 0.00m-3.00m FILL, Compacted coal wash reject with brown clays and gravels. 3.00m-15.00m CLAYS,ESTURINE.Dark brown to grey stiff esturine clays. 15.00m-20.00m SAND. Light brown to yellow sands. 20.00m-20.80m SANDSTONE. Extremely to weathered sandstone. 20.80m-22.00m SANDSTONE. Fresh hard light brown sandstone. | 670m | South West |
| GW101385 | 0.00m-3.00m FILL.Compacted coal wash reject with brown clays and gravels. 3.00m-6.00m CLAYS,ESTURINE Dark brown to grey stiff esturine clays. | 670m | South West |
| GW101386 | 0.00m-9.00m FILL.Hard coal wash reject with slag possibly of open hearth furnace origin 9.00m-10.10m CLAYS,ESTURINE.Dark brown to grey stiff esturine clays. | 670m | South West |
| GW101387 | 0.00m-7.20m FILL. Hard coal wash reject with slag possibly of open hearth furnace origin 7.20m-8.20m CLAYS,ESTURINE.Dark brown to grey stiff esturine clays. 8.20m-13.00m SANDSTONE.E.W. Sandstone with sandy clay. | 670m | South West |
| GW101388 | 0.00m-1.40m FILL.Dark brown to grey soils with some clay.May be from North Wall construction.Becomes brown clay with incr. depth. 1.40m-5.00m CLAY.Red to brown stiff clay> Some silty sand and pebbles up to20mm. 5.00m-6.00m SANDSTONE.Light brown weathered sandstone. 6.00m-10.00m SANDSTONE.Fresh hard grey sandstone. | 670m | South West |
| GW101389 | 0.00m-1.40m FILL. Dark brown to grey soils with some clay.May be from North Wall construction. Becomes brown clay with incrs.depth. 1.40m-4.00m CLAY.Red to brown stiff clay.Some silt. | 670m | South West |
| GW101390 | 0.00m-2.00m TOP SOIL.Dark topsoil turning to soft brown clays. 2.00m-3.00m CLAY.Firm brown to light brown clay. 3.00m-7.00m CLAY.Red to brown stiff clay.Some silt. 7.00m-8.00m SANDSTONE.Extremely to weathered light brown sandstone. 8.00m-12.00m SANDSTONE. Fresh hard yellow to grey sandstone | 670m | South West |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW101392 | 0.00m-0.40m TOP SOIL.Dark topsoil 0.40m-5.20m CLAY.Firm brown to light brown clay 5.20m-7.00m CLAY.Red to brown stiff clay. Some silt 7.00m-7.60m CLAY.Stiff grey sandy clay. 7.60m-8.40m SANDSTONE.Extremely weathered light brown sandstone 8.40m-9.40m SANDSTONE.Weathered light brown to grey sandstone 9.40m-13.00m SANDSTONE.Fresh grey sandstone. | 670m | South West |
| GW101551 | 0.00m-2.00m TOP SOIL. Dark topsoil turning to soft brown clays 2.00m-3.00m CLAY. Firm brown to light brown clay. 3.00m-6.00m CLAY. Red to brown stiff clay. Some silt | 670m | South West |
| GW114817 | 0.00m-1.00m GRAVEL FILL 1.00m-3.00m SANDY CLAY DARK GREY FILL | 1224m | South |
| GW114638 | 0.00m-0.50m FILL CEMENTED SLAG COMPACTED 0.50m-1.20m FILL, METAL BLACK 1.20m-3.00m CLAY DARK GREY | 1239m | South West |
| GW114636 | 0.00m-0.50m FILL CEMENTED SLAG COMPACTED 0.50m-1.20m FILL METAL BLACK 1.20m-3.00m CLAY DARK GREY | 1240m | South West |
| GW114637 | 0.00m-0.50m FILL,CEMENTED SLAG COMPACTED 0.50m-1.20m FILL METAL BLACK 1.20m-3.00m CLAY DARK GREY | 1254m | South West |
| GW114635 | 0.00m-0.50m FILL ,CEMENTED SLAG 0.50m-1.20m FILL METAL BLACK 1.20m-3.00m CLAY DARK GREY | 1256m | South West |
| GW114634 | 0.00m-0.50m FILL CEMENTED SLAG 0.50m-1.20m FILL METAL BLACK 1.20m-2.40m CLAY DARK GREY | 1270m | South West |
| GW100524 | 0.00m-4.00m GREY SLAG FILL 4.00m-5.00m GREY SAND 5.00m-11.21m DARK BROWN TO GREY STIFF ESTUARINE CLAYS | 1310m | South |
| GW100526 | 0.00m-5.00m GREY SLAG FILL 5.00m-6.80m DARK GREY SLIGHTLY SANDY FIRM ESTUARINE CLAYS. 6.80m-12.38m DARK BROWN TO GREY STIFF ESTUARINE CLAYS. | 1310m | South |
| GW100525 | 0.00m-3.50m GREY SLAG FILL 3.50m-5.00m GREY SAND 5.00m-7.00m DARK BROWN TO GREY STIFF ESTUARINE CLAYS. SOME BANDS OF SAND. 7.00m-13.48m DARK BROWN TO GREY STIFF ESTUARINE CLAYS | 1311m | South |
| GW100018 | 0.00m-1.00m SOIL & CLAY FILL 1.00m-6.00m MUD SILT 6.00m-15.00m GRAVEL 15.00m-36.00m SANDSTONE | 1332m | North West |
| GW114674 | 0.00m-0.80m FILL.COMPACTED SLAG 0.80m-1.50m CLAY DARK GREY 1.50m-3.00m CLAY LIGHT BROWN 3.00m-4.80m CLAY LIGHTER BROWN 4.80m-5.00m SANDSTONE / GRAVELS | 1437m | West |
| GW114672 | 0.00m-0.80m FILL,CEMENTED SLAG,COMPACTED 0.80m-1.50m CLAY DARK GREY 1.50m-4.00m CLAY LIGHT BROWN 4.00m-5.50m SANDSTONE, GRAVELS | 1442m | West |
| GW114673 | 0.00m-0.80m FILL SLAG COMPACTED 0.80m-1.50m CLAY DARK GREY 1.50m-3.00m CLAY BROWN 3.00m-4.50m CLAY LIGHT BROWN 4.50m-5.50m SANDSTONE / GRAVELS | 1457m | West |
| GW114671 | 0.00m-1.00m FILL CEMENTED SLAG COMPACTED 1.00m-1.50m CLAY DARK GREY 1.50m-3.50m CLAY BROWN 3.50m-5.50m CLAY LIGHT BROWN 5.50m-6.00m SANDSTONE , GRAVELS | 1467m | West |
| GW114670 | 0.00m-1.00m FILL,CEMENTED SLAG,COMPACTED 1.00m-1.50m CLAY,DARK GREY 1.50m-3.50m CLAY BROWN 3.50m-5.50m CLAY LIGHT BROWN 5.50m-6.00m SANDSTONE GRAVELS | 1471m | West |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW114644 | 0.00m-0.80m FILL,COMPACTED SLAG 0.80m-1.50m CLAY DARK GREY 1.50m-3.00m CLAY LIGHT BROWN 3.00m-4.80m CLAY LIGHTER BROWN 4.80m-5.50m SANDSTONE GRAVELS | 1484m | West |
| GW114643 | 0.00m-0.80m FILL, COMPACTED SLAG 0.80m-1.50m CLAY DARK GREY 1.50m-3.00m CLAY LIGHT BROWN 3.00m-4.80m CLAY LIGHTER BRO;WN 4.80m-5.00m SANDSTONE GRAVELS | 1499m | West |
| GW114642 | 0.00m-1.00m FILL,CEMENTED SLAG, COMPACTED 1.00m-3.50m CLAY DARK GREY 3.50m-5.50m CLAY LIGHT BROWN 5.50m-6.00m SANDSTONE, GRAVELS | 1510m | West |
| GW114668 | 0.00m-1.50m SLAG COMPACTED 1.50m-2.60m CLAY BROWN 2.60m-3.60m CLAY GREY 3.60m-4.20m CLAY LIGHT BROWN 4.20m-6.00m CLAY BROWN SILTY 6.00m-7.30m CLAY GREY/BROWN,SILTSTONE,GRAVEL | 1537m | West |
| GW114665 | 0.00m-1.50m SLAG COMPACTED 1.50m-2.60m CLAY BROWN 2.60m-3.60m CLAY GREY 3.60m-4.20m CLAY LIGHT BROWN 4.20m-6.00m SILTY CLAY BROWN 6.00m-7.50m CLAY BROWN/GREY , SILTSTONE,GRAVELS | 1562m | West |
| GW114511 | 0.00m-0.20m BITUMEN ROAD BASE 0.20m-0.40m BLUESTONE, GRAVEL 0.40m-1.00m CLAY BLACK 1.00m-1.80m BROWN SANDY CLAY 1.80m-3.40m CLAY GREY 3.40m-4.00m GREY SAND MOIST 4.00m-6.20m BROWN SANDY CLAY COARSE 6.20m-8.60m FRACTURED SANDSTONE'GRAVELS | 1567m | West |
| GW114669 | 0.00m-1.50m SLAG COMPACTED 1.50m-2.60m CLAY BROWN 2.60m-3.60m CLAY GREY 3.60m-4.20m CLAY LIGHT BROWN 4.20m-6.00m SILTY CLAY BROWN 6.00m-7.30m CLAY BROWN/GREY,SILTSTONE,GRAVELS | 1574m | West |
| GW114557 | 0.00m-1.50m (UNKNOWN) 1.50m-1.80m IRONSTONE 1.80m-3.80m SANDY GRAVELS / CLAY 3.80m-6.40m QUARTZ / SANDY GRAVELS | 1579m | West |
| GW114667 | 0.00m-1.50m SLAG COMPACTED 1.50m-2.60m CLAY BROWN 2.60m-3.60m CLAY GREY 3.60m-4.20m CLAY LIGHT BROWN 4.20m-6.00m CLAY BROWN/SILTY 6.00m-7.20m CLAY BROWN/GREY,SILTSTONE,GRAVEL | 1582m | West |
| GW114666 | 0.00m-1.50m SLAG COMPACTED 1.50m-2.60m CLAY BROWN 2.60m-3.60m CLAY GREY 3.60m-4.20m CLAY LIGHT BROWN 4.20m-6.00m CLAY BROWN SILTY 6.00m-7.50m CLAY BROWN/GREY ,SILTSTONE,GRAVELS | 1584m | West |
| GW114509 | 0.00m-0.20m BITUMEN, ROAD BASE 0.20m-0.70m SILTY CLAY FILL 0.70m-1.20m BROWN SAND CLAY 1.20m-3.00m CLAY GREY 3.00m-3.30m SAND WHITE 3.30m-4.60m CLAY GREY 4.60m-4.90m SATURATED SANDS GREY 4.90m-6.80m SANDY C;LAY COARSE GRAIN | 1590m | West |
| GW111039 | 0.00m-1.50m CLAY, GREY AND YELLOW BROWN 1.50m-1.70m CLAY SANDY,BROWN AND GREY 1.70m-3.50m GRAVEL CLAYEY,BROWN,ORANGE AND YELLOW ,SANDY | 1597m | South West |
| GW114631 | 0.00m-0.20m BITUMEN ROAD BASE 0.20m-0.70m SILTY CLAY FILL 0.70m-1.20m SANDY CLAY BROWN 1.20m-3.00m CLAY GREY 3.00m-3.30m SAND WHITE WEATHERED 3.30m-4.60m CLAY GREY 4.60m-4.90m SAND GREY SATURATED 4.90m-6.80m SANDY CLAY COARSE GREY | 1603m | West |

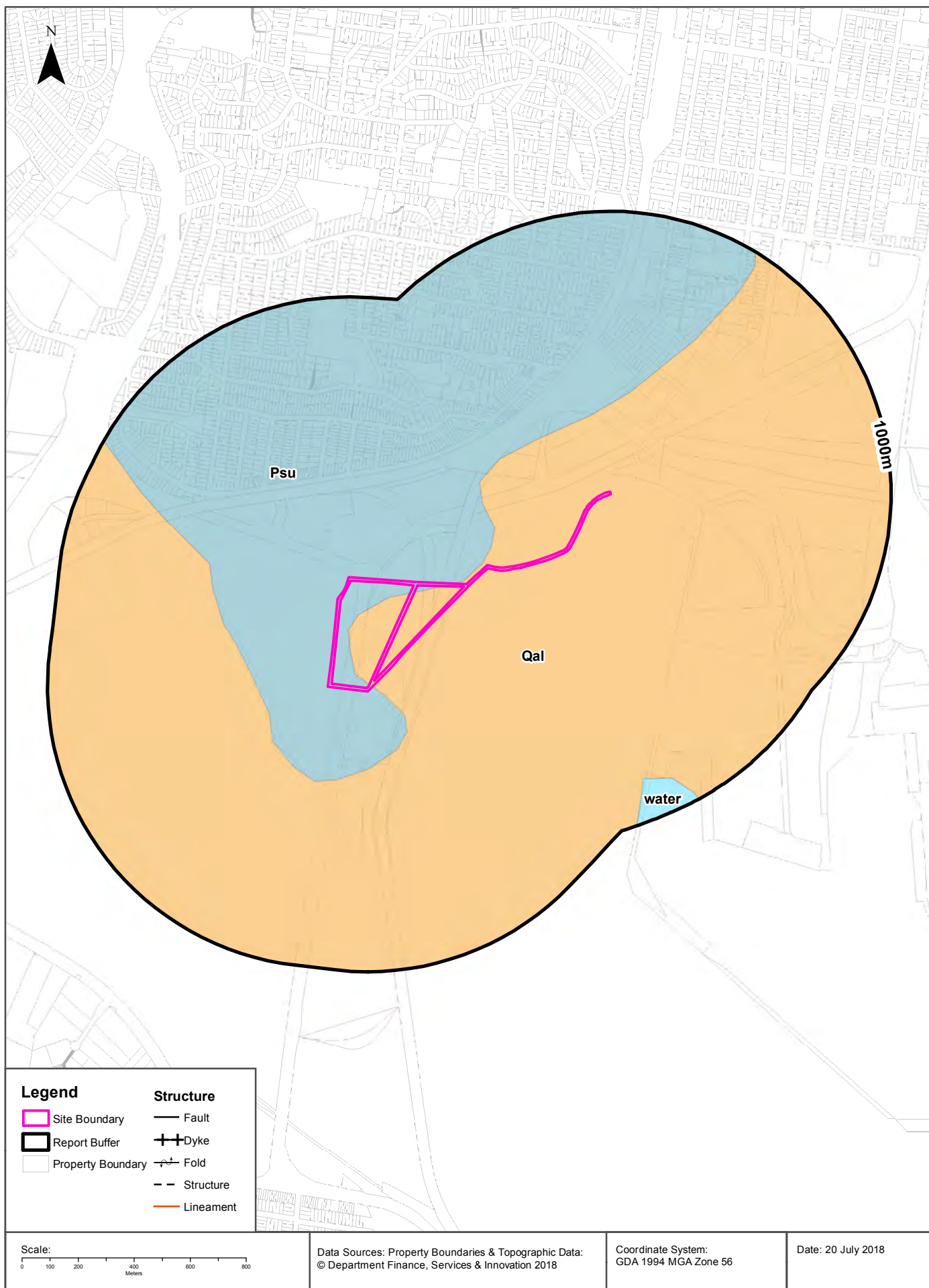
| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW114508 | 0.00m-1.20m SANDY CLAY 1.20m-2.40m BLACK CLAY 2.40m-2.60m FINE SANDS SATURATED 2.60m-4.40m SANDSTONE GRAVELS W/BROWN CLAY 4.40m-6.50m BROWN SANDY CLAY | 1605m | West |
| GW114629 | 0.00m-1.20m SANDY CLAY FILL 1.20m-2.40m CLAY BLACK 2.40m-2.60m SANDS SATURATED 2.60m-4.40m CLAY GREY 4.40m-4.60m SANDSTONES, GRAVELS W/BROWN CLAY 4.60m-8.00m SANDY CLAY BROWN 8.00m-8.60m SANDSTONE FRACTURED | 1614m | West |
| GW114410 | 0.00m-0.25m CONCRETE SLAB AND MINOR FILL 0.25m-0.70m FILL, GRAVELLY SILTY 0.70m-3.00m FILL GRAVELLY SANDY CLAY 3.00m-6.00m SILTY CLAY MED. BROWN/GREY | 1617m | South West |
| GW114513 | 0.00m-1.20m SANDY CLAY FILL 1.20m-2.40m BLACK CLAY 2.40m-2.60m FINE SANDS SATURATED 2.60m-4.40m GREY CLAY 4.40m-4.60m SANDSTONE GRAVELS W/BROWN CLAY 4.60m-6.80m BROWN SANDY CLAY | 1622m | West |
| GW114408 | 0.00m-0.25m CONCRETE SLAB AND MINOR SUB BASE 0.25m-3.00m FILL SILTY CLAY BROWN MINOR GRAVEL 3.00m-7.20m SILTY CLAY M/BROWN, GREY, STIFF | 1626m | South West |
| GW114409 | 0.00m-0.25m CONCRETE SLAB AND MINOR SUB BASE 0.25m-2.10m FILL GRAVELLY CLAY 2.10m-5.00m SILTY CLAY FIRM M/BROWN, MOIST 5.00m-6.00m SILTY CLAY, M/GREY BROWN STIFF NO ODOUR | 1628m | South West |
| GW114641 | 0.00m-0.80m FILL, COMPACTED SLAG 0.80m-1.50m CLAY DARK GREY 1.50m-3.00m CLAY LIGHT BROWN 3.00m-4.80m CLAY WHITE BROWN 4.80m-5.00m SANDSTONE GRAVELS | 1633m | West |
| GW114822 | 0.00m-3.00m FILL 3.00m-5.40m ALLUVIAL | 1633m | West |
| GW114640 | 0.00m-1.00m FILL, CEMENTED SLAG, COMPACTED 1.00m-1.50m CLAY, DARK GREY 1.50m-3.50m CLAY BROWN 3.50m-5.50m CLAY LIGHT BROWN 5.50m-6.00m SANDSTONE GRAVELS | 1637m | West |
| GW114823 | 0.00m-2.00m FILL 2.00m-7.30m ALLUVIAL | 1641m | West |
| GW108391 | 0.00m-0.40m FILL, GRAVEL 0.40m-1.50m FILL SAND 1.50m-2.50m CLAY 2.50m-6.20m CLAY | 1642m | North East |
| GW114411 | 0.00m-0.25m CONCRETE SLAB, FILL, SANDY CLAY 0.25m-2.10m FILL SANDY CLAY 2.10m-2.40m FILL SANDY CLAY AND GRAVEL 2.40m-4.00m SILTY CLAY DARK GREY 4.00m-4.60m SILTY CLAY DARK GREY MOIST | 1648m | South West |
| GW114628 | 0.00m-0.20m BITUMEN ROAD BASE 0.20m-0.70m SILTY CLAY FILL 0.70m-1.20m SANDY CLAY BROWN 1.20m-2.70m CLAY GREY 2.70m-3.00m SANDY CLAY SATURATED FINE GRAINED 3.00m-4.60m CLAY GREY 4.60m-4.90m SANDY CLAY SATURATED FINE GRAINED 4.90m-7.30m SANDSTONE COARSE GRAINED | 1648m | West |
| GW114639 | 0.00m-0.80m FILL COMPACTED SLAG 0.80m-1.50m CLAY DARK GREY 1.50m-3.00m CLAY LIGHT BROWN 3.00m-4.80m CLAY WHITE BROWN 4.80m-5.50m SANDSTONE / GRAVELS | 1653m | West |
| GW108392 | 0.00m-0.30m FILL, GRAVEL 0.30m-1.00m FILL, SAND 1.00m-1.90m CLAY BROWN 1.90m-6.00m CLAY DARK, BROWN | 1659m | North East |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW114632 | 0.00m-0.20m BITUMEN ROAD BASE 0.20m-0.70m SILTY CLAY / FILL 0.70m-1.20m SANDY CLAY BROWN 1.20m-3.00m CLAY GREY 3.00m-3.30m SAND WHITE WEATHERED 3.30m-4.60m CLAY GREY 4.60m-4.90m SAND GREY SATURATED 4.90m-6.00m SANDY CLAY COARSE GRAIN | 1664m | West |
| GW114630 | 0.00m-0.20m BITUMEN/ ROAD BASE 0.20m-0.30m SILTY CLAY FILL 0.30m-1.20m SANDY CLAY BROWN 1.20m-3.00m SAND WHITE WEATHERED 3.00m-4.60m CLAY GREY 4.60m-4.90m SAND GREY SATURATED 4.90m-6.10m SANDY CLAY COARSE GRAIN | 1694m | West |
| GW114633 | 0.00m-0.20m BITUMEN/ ROAD BASE 0.20m-0.70m SILTY CLAY FILL 0.70m-1.20m SANDY CLAY BROWN 1.20m-2.70m CLAY GREY 2.70m-3.00m SANDY CLAY SATURATED 3.00m-4.60m CLAY GREY 4.60m-4.90m SANDY CLAY SATURATED FINE GRAIN 4.90m-7.80m SANDSTONE COARSE GRAIN | 1694m | West |
| GW114512 | 0.00m-0.80m BLACK LOAMY SOIL 0.80m-2.40m CLAY BLACK 2.40m-3.00m BROWN SANDY CLAY 3.00m-3.20m SANDSTONE 3.20m-6.00m BROWN SANDY CLAY | 1696m | West |
| GW108922 | 0.00m-5.00m CLAY, TOPSOIL 5.00m-31.00m VOLCANIC BASALT | 1974m | South West |

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp
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Geology 1:100,000

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Geology

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Geological Units

What are the Geological Units onsite?

| Symbol | Description | Unit Name | Group | Sub Group | Age | Dom Lith | Map Sheet | Dataset |
|--------|--|-------------------|------------------|-----------|-----|----------|---------------------------|-----------|
| Psu | red, brown, and grey lithic sandstone | Budgong Sandstone | Shoalhaven Group | | | | Wollongong & Port Hacking | 1:100,000 |
| Qal | quartz and lithic "fluvial" sand, silt, and clay | | | | | | Wollongong & Port Hacking | 1:100,000 |

What are the Geological Units within the dataset buffer?

| Symbol | Description | Unit Name | Group | Sub Group | Age | Dom Lith | Map Sheet | Dataset |
|--------|--|-------------------|------------------|-----------|-----|----------|---------------------------|-----------|
| Psu | red, brown, and grey lithic sandstone | Budgong Sandstone | Shoalhaven Group | | | | Wollongong & Port Hacking | 1:100,000 |
| Qal | quartz and lithic "fluvial" sand, silt, and clay | | | | | | Wollongong & Port Hacking | 1:100,000 |
| water | | | | | | | Wollongong & Port Hacking | 1:100,000 |

Geological Structures

What are the Geological Structures onsite?

| Feature | Name | Description | Map Sheet | Dataset |
|-------------|------|-------------|-----------|-----------|
| No features | | | | 1:100,000 |

What are the Geological Structures within the dataset buffer?

| Feature | Name | Description | Map Sheet | Dataset |
|-------------|------|-------------|-----------|-----------|
| No features | | | | 1:100,000 |

Geological Data Source : NSW Department of Industry, Resources & Energy

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Naturally Occurring Asbestos Potential

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Naturally Occurring Asbestos Potential

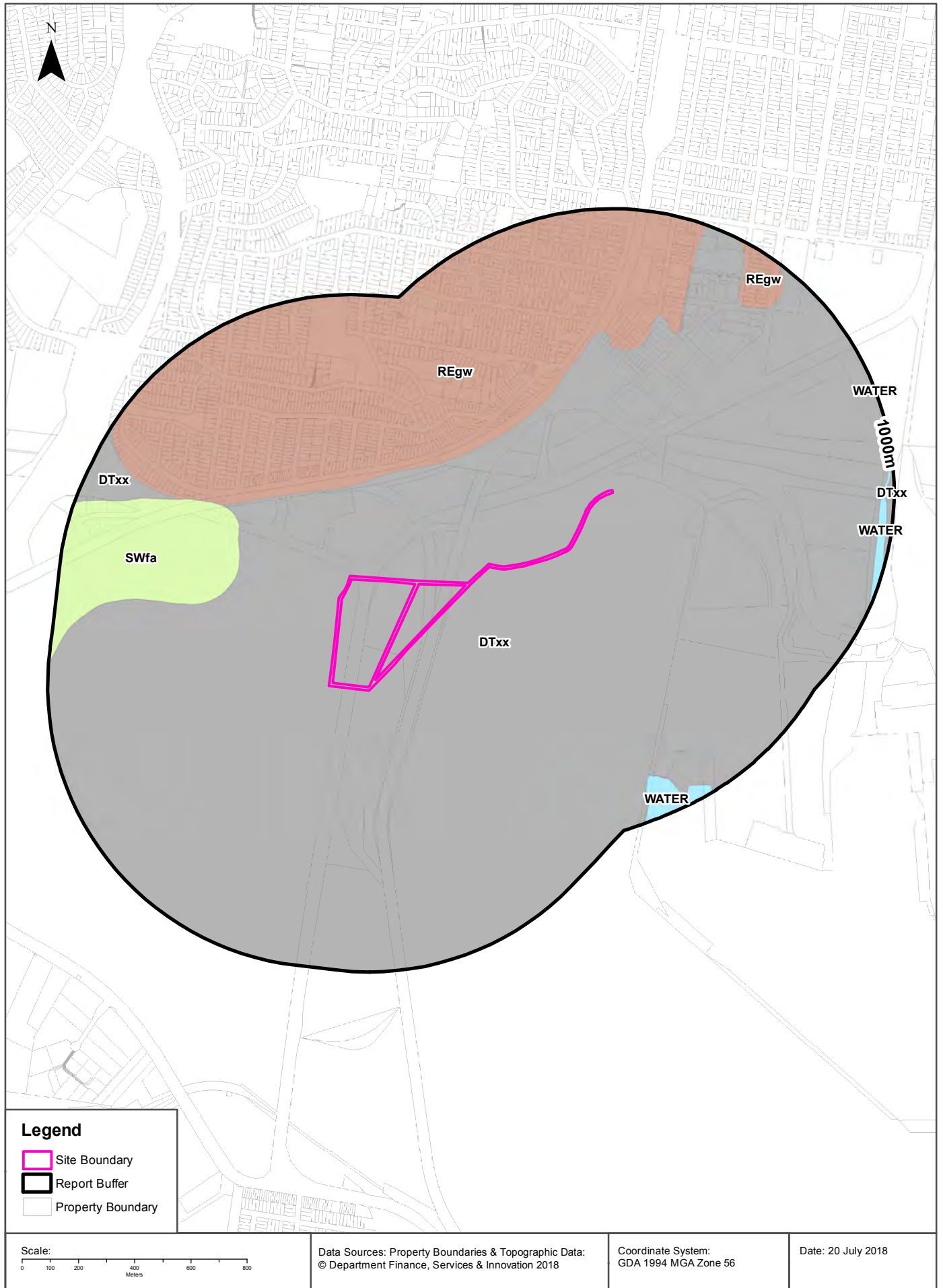
Naturally Occurring Asbestos Potential within the dataset buffer:

| Potential | Sym | Strat Name | Group | Formation | Scale | Min Age | Max Age | Rock Type | Dom Lith | Description | Dist | Dir |
|----------------------|-----|------------|-------|-----------|-------|---------|---------|-----------|----------|-------------|------|-----|
| No records in buffer | | | | | | | | | | | | |

Mining Subsidence District Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy

Soil Landscapes

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Soils

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Soil Landscapes

What are the onsite Soil Landscapes?

| Soil Code | Name | Group | Process | Map Sheet | Scale |
|-----------|-------------------|-------|-------------------|---------------------------|-----------|
| DTxx | DISTURBED TERRAIN | | DISTURBED TERRAIN | Wollongong & Port Hacking | 1:100,000 |

What are the Soil Landscapes within the dataset buffer?

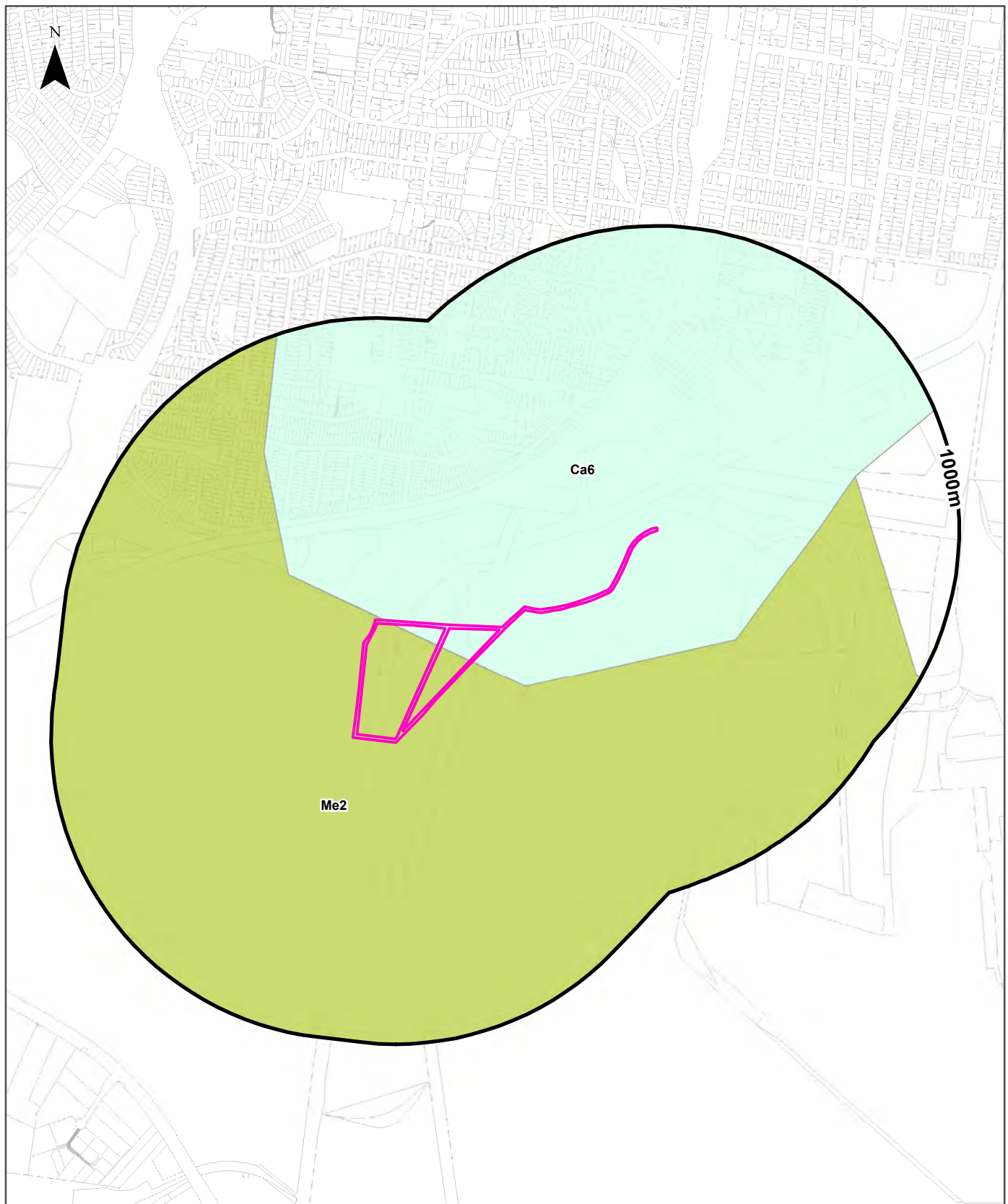
| Soil Code | Name | Group | Process | Map Sheet | Scale |
|-----------|-------------------|-------|-------------------|---------------------------|-----------|
| DTxx | DISTURBED TERRAIN | | DISTURBED TERRAIN | Wollongong & Port Hacking | 1:100,000 |
| REgw | GWYNNEVILLE | | RESIDUAL | Wollongong & Port Hacking | 1:100,000 |
| SWfa | FAIRY MEADOW | | SWAMP | Wollongong & Port Hacking | 1:100,000 |
| WATER | WATER | | WATER | Wollongong & Port Hacking | 1:100,000 |

Soils Landscapes Data Source : NSW Office of Environment and Heritage

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Atlas of Australian Soils

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|---|---------|--|---------|--------------------|--|-----------|----------|----------|---------|---------|---------|------------|----------|---------|---------|----------|--|-----------|----------|-----------|---------|------|--|
| Legend Site Boundary Report Buffer Property Boundary | | Australian Soil Classification Orders <table border="0"> <tr> <td> Anthrosol</td> <td> Dermosol</td> <td> Kandosol</td> <td> Podosol</td> <td> Tenosol</td> <td> No Data</td> </tr> <tr> <td> Calcarosol</td> <td> Ferrosol</td> <td> Kurosol</td> <td> Rudosol</td> <td> Vertosol</td> <td></td> </tr> <tr> <td> Chromosol</td> <td> Hydrosol</td> <td> Organosol</td> <td> Sodosol</td> <td> Lake</td> <td></td> </tr> </table> | | | | | | Anthrosol | Dermosol | Kandosol | Podosol | Tenosol | No Data | Calcarosol | Ferrosol | Kurosol | Rudosol | Vertosol | | Chromosol | Hydrosol | Organosol | Sodosol | Lake | |
| Anthrosol | Dermosol | Kandosol | Podosol | Tenosol | No Data | | | | | | | | | | | | | | | | | | | | |
| Calcarosol | Ferrosol | Kurosol | Rudosol | Vertosol | | | | | | | | | | | | | | | | | | | | | |
| Chromosol | Hydrosol | Organosol | Sodosol | Lake | | | | | | | | | | | | | | | | | | | | | |
| Scale: | | Data Sources: Property Boundaries & Topographic Data. © Department Finance, Services & Innovation 2018 | | Coordinate System: GDA 1994 MGA Zone 56 | | Date: 20 July 2018 | | | | | | | | | | | | | | | | | | | |

Soils

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

| Map Unit Code | Soil Order | Map Unit Description | Distance |
|---------------|------------|---|----------|
| Ca6 | Podosol | Dunes of leached sands (Uc2.2) with some areas of (Uc2.3) soils in low-lying situations, also (Dy5.41) soils in some localities, and flanked by some dunes of calcareous sands (Uc1.11) along the coast. | 0m |
| Me2 | Dermosol | Steep hilly to mountainous with incised stream valleys: steep but more or less rounded hill slopes of brown friable earths (Gn3.21 and Gn3.22) and possibly some (Gn4) soils, in association with: at the higher altitudes, steep hill slopes of sandy soils (Uc4.2), loamy soils having an A2 horizon (Um4.2) with yellow-brown earths (Gn2.44), and possibly (Uc6.11) and (Um5.41) soils; and at the lower altitudes, moderate to steep slopes of hard acidic yellow mottled soils (Dy3 21 and Dy3.41), hard acidic red soils (Dr2.21), and yellow leached friable earths (Gn3.54); and narrow incised stream valleys of various soils including (Um6.11) and (Dy) soils. This unit is a broad one. In some areas the (Um4.2) and (Gn2.44) soils and in others the (Dy) and (Dr) soils rather than the (Gn3) soils could be dominant. | 0m |

Atlas of Australian Soils Data Source: CSIRO

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Acid Sulfate Soils

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Standard Local Environmental Plan Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

| Soil Class | Description | LEP |
|------------|-------------|-----|
| N/A | | |

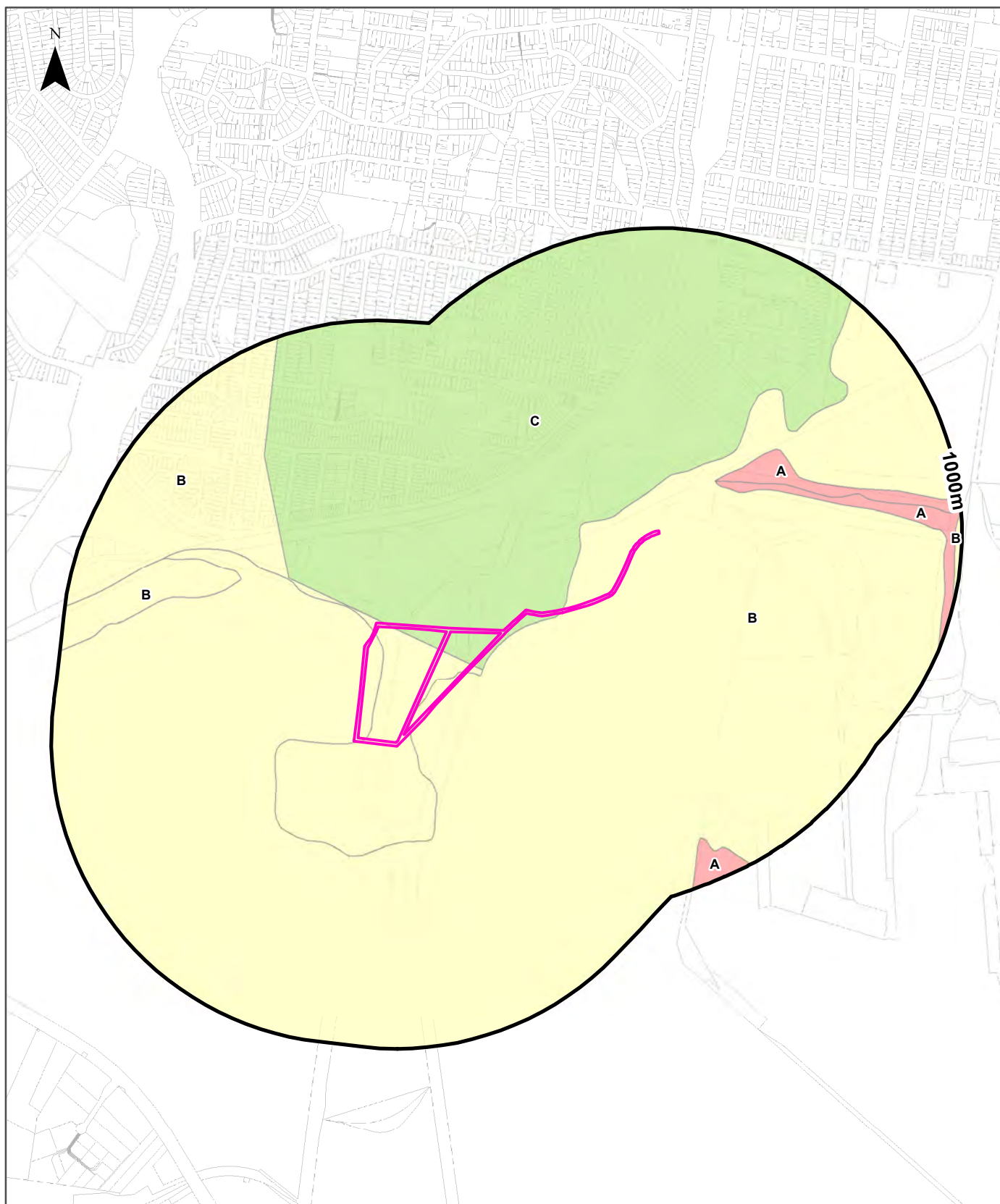
If the on-site Soil Class is 5, what other soil classes exist within 500m?

| Soil Class | Description | LEP | Distance | Direction |
|------------|-------------|-----|----------|-----------|
| N/A | | | | |

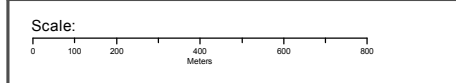
Acid Sulfate Data Source Accessed 07/10/2016: NSW Crown Copyright - Planning and Environment
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Atlas of Australian Acid Sulfate Soils

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



| Legend | | | |
|-------------------|--|-------------------------|---------|
| Site Boundary | Probability of occurrence of Acid Sulfate Soils | | |
| Report Buffer | A. High (>70%) | C. Extremely Low (1-5%) | No Data |
| Property Boundary | B. Low (6-70%) | D. No Chance (0%) | |



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2018

Coordinate System:
GDA 1994 MGA Zone 56

Date: 20 July 2018

Acid Sulfate Soils

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

| Class | Description | Distance |
|-------|---|----------|
| B | Low Probability of occurrence. 6-70% chance of occurrence. | 0m |
| C | Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas. | 0m |
| A | High Probability of occurrence. >70% chance of occurrence. | 246m |

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

What Dryland Salinity assessments are given?

| Assessment 2000 | Assessment 2020 | Assessment 2050 | Distance | Direction |
|-----------------|-----------------|-----------------|----------|-----------|
| N/A | N/A | N/A | N/A | N/A |

Dryland Salinity Data Source : National Land and Water Resources Audit

The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.

In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

| Feature Id | Classification | Description | Distance | Direction |
|------------|-----------------------|-------------|----------|-----------|
| N/A | Outside Data Coverage | | | |

Dryland Salinity Potential of Western Sydney Data Source : NSW Office of Environment and Heritage

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Mining Subsidence Districts

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Mining Subsidence Districts

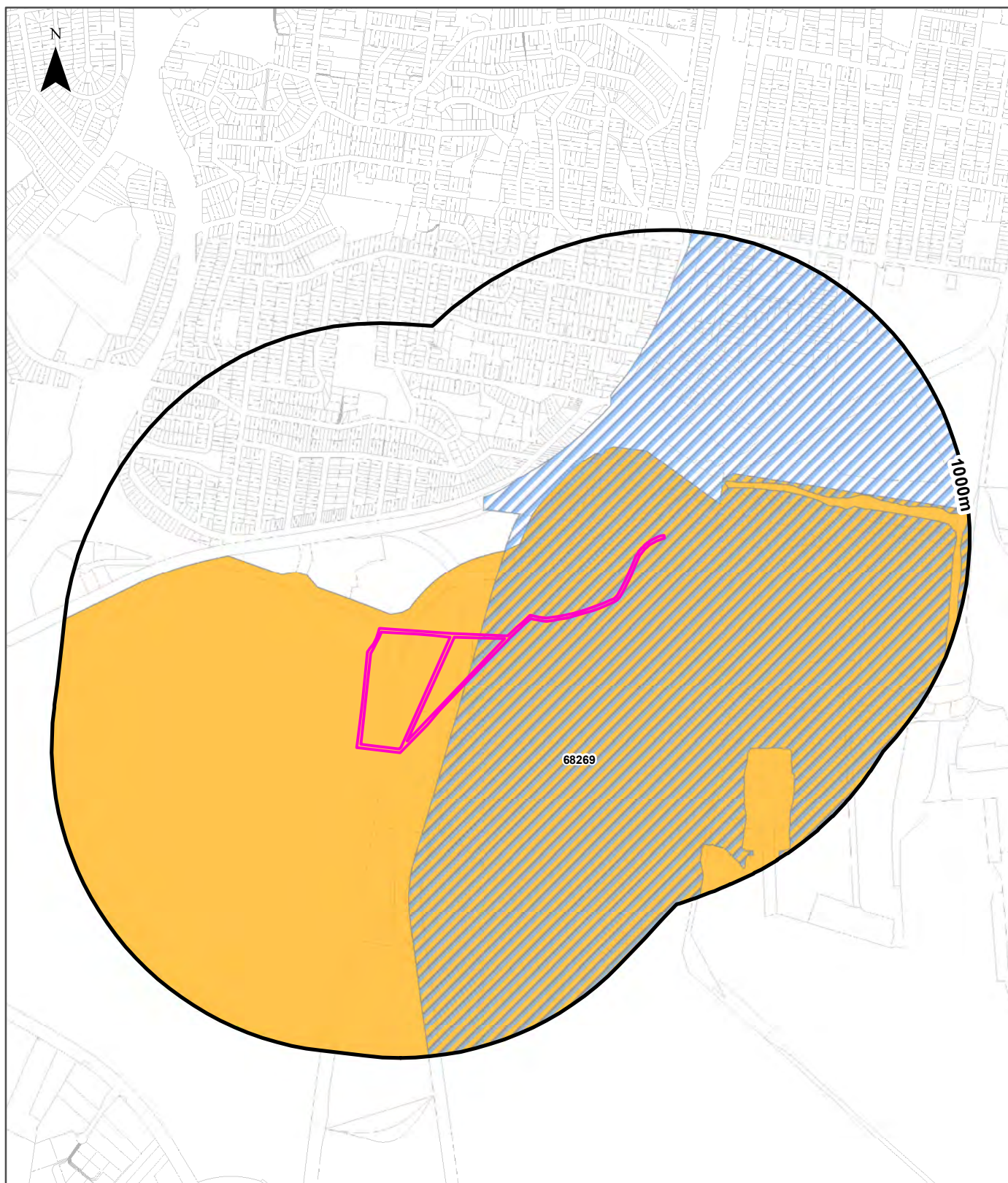
Mining Subsidence Districts within the dataset buffer:

| District | Distance | Direction |
|---|----------|-----------|
| There are no Mining Subsidence Districts within the report buffer | | |

Mining Subsidence District Data Source: © Land and Property Information (2016)
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State Environmental Planning Policy

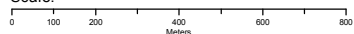
Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Legend

- | | | |
|-------------------|--------------------------------|---|
| Site Boundary | SEPP 14 - Coastal Wetlands | Strategic Land Use - Future Residential Growth Areas |
| Report Buffer | SEPP 26 - Littoral Rainforests | Strategic Land Use - Additional Rural Village Land |
| Property Boundary | SEPP 71 - Coastal Protection | Strategic Land Use -Biophysical Strategic Agricultural Land |
| | SEPP Major Developments 2005 | Strategic Land Use -Critical Industry Cluster (Equine) |
| | | Strategic Land Use -Critical Industry Cluster (Viticulture) |

Scale:



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2018

Coordinate System:
GDA 1994 MGA Zone 56

Date: 20 July 2018

Environmental Zoning

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

State Environmental Planning Policy Protected Areas

Are there any State Environmental Planning Policy Protected Areas onsite or within the dataset buffer?

| Dataset | Onsite | Within Site Buffer | Distance |
|----------------------------------|--|--------------------|----------|
| SEPP14 - Coastal Wetlands | No | No | N/A |
| SEPP26 - Littoral Rainforests | No | No | N/A |
| SEPP71 - Coastal Protection Zone | Yes - SEPP71 covers 36.86% of the site | Yes | 0m |

SEPP Protected Areas Data Source: NSW Department of Planning & Environment
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State Environmental Planning Policy Major Developments (2005)

State Environmental Planning Policy Major Developments within the dataset buffer:

| Map Id | Feature | Effective Date | Distance | Direction |
|--------|---------------------------|----------------|----------|-----------|
| 68269 | Three Ports - Port Kembla | 24/07/2009 | 0m | Onsite |

SEPP Major Development Data Source: NSW Department of Planning & Environment
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State Environmental Planning Policy Strategic Land Use Areas

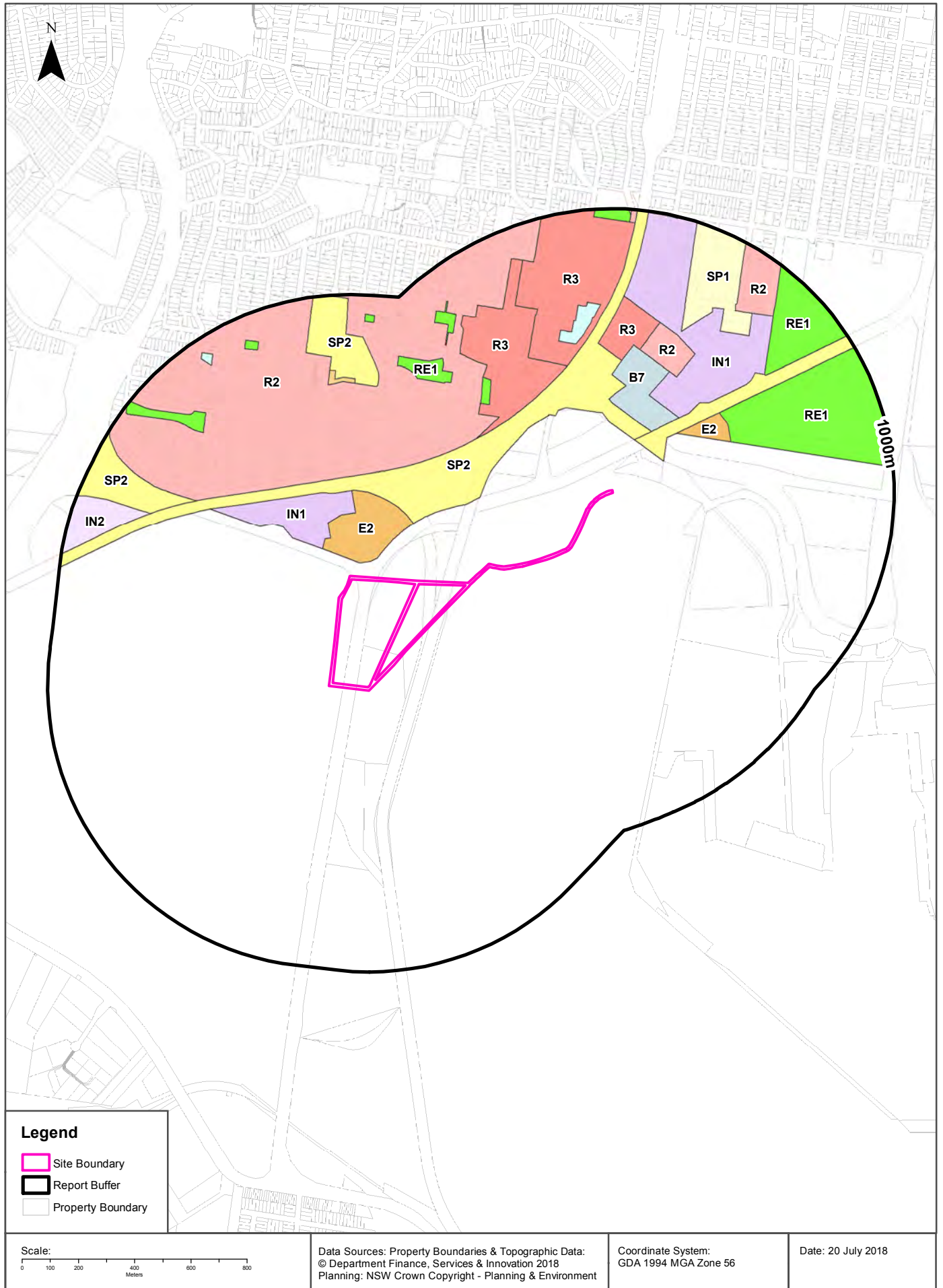
State Environmental Planning Policy Strategic Land Use Areas onsite or within the dataset buffer:

| Strategic Land Use | SEPPNo | Effective Date | Amendment | Amendment Year | Distance | Direction |
|--------------------------|--------|----------------|-----------|----------------|----------|-----------|
| No records within buffer | | | | | | |

SEPP Strategic Land Use Data Source: NSW Department of Planning & Environment
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LEP Planning Zones

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Local Environmental Plan

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Land Zoning

What Local Environmental Plan Land Zones exist within the dataset buffer?

| Zone | Description | Purpose | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|------|----------------------------|--------------------|--|----------------|----------------|---------------|-----------|----------|------------|
| E2 | Environmental Conservation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 47m | North West |
| IN1 | General Industrial | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 136m | North West |
| SP2 | Infrastructure | Road | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 190m | North |
| SP2 | Infrastructure | Railway | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 194m | North West |
| B7 | Business Park | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 249m | North East |
| E2 | Environmental Conservation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 304m | North East |
| IN1 | General Industrial | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 347m | North East |
| R2 | Low Density Residential | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 350m | North |
| R3 | Medium Density Residential | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 412m | North |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 454m | North East |
| R3 | Medium Density Residential | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 461m | North East |
| R2 | Low Density Residential | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 463m | North East |
| R3 | Medium Density Residential | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 469m | North East |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 503m | North |
| B1 | Neighbourhood Centre | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 534m | North East |
| SP1 | Special Activities | Cemetery | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 615m | North East |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 656m | North |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 679m | North East |
| SP2 | Infrastructure | Telecommunications | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 679m | North |
| E3 | Environmental Management | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 684m | North |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 729m | North West |
| IN2 | Light Industrial | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 732m | West |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 760m | North |
| R2 | Low Density Residential | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 772m | North East |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 868m | North West |
| B1 | Neighbourhood Centre | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 895m | North West |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 903m | North |
| RE1 | Public Recreation | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 954m | North East |

| Zone | Description | Purpose | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|------|-------------------------|---------|--|----------------|----------------|---------------|-----------------|----------|------------|
| R2 | Low Density Residential | | Wollongong Local Environmental Plan 2009 | 27/01/2012 | 27/01/2012 | 16/02/2018 | Amendment No 10 | 978m | North East |
| B6 | Enterprise Corridor | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 992m | North East |
| IN2 | Light Industrial | | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 16/02/2018 | | 993m | North East |

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Local Environmental Plan

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Minimum Subdivision Lot Size

What are the onsite Local Environmental Plan Minimum Subdivision Lot Sizes?

| Symbol | Minimum Lot Size | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment | Percentage of Site Area |
|---------|------------------|-------------|----------------|----------------|---------------|-----------|-------------------------|
| No Data | | | | | | | |

Maximum Height of Building

What are the onsite Local Environmental Plan Maximum Height of Buildings?

| Symbol | Maximum Height of Building | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment | Percentage of Site Area |
|---------|----------------------------|-------------|----------------|----------------|---------------|-----------|-------------------------|
| No Data | | | | | | | |

Floor Space Ratio

What are the onsite Local Environmental Plan Floor Space Ratios?

| Symbol | Floor Space Ratio | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment | Percentage of Site Area |
|---------|-------------------|-------------|----------------|----------------|---------------|-----------|-------------------------|
| No Data | | | | | | | |

Land Application

What are the onsite Local Environmental Plan Land Applications?

| Application Type | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment | Percentage of Site Area |
|------------------|-------------|----------------|----------------|---------------|-----------|-------------------------|
| No Data | | | | | | |

Land Reservation Acquisition

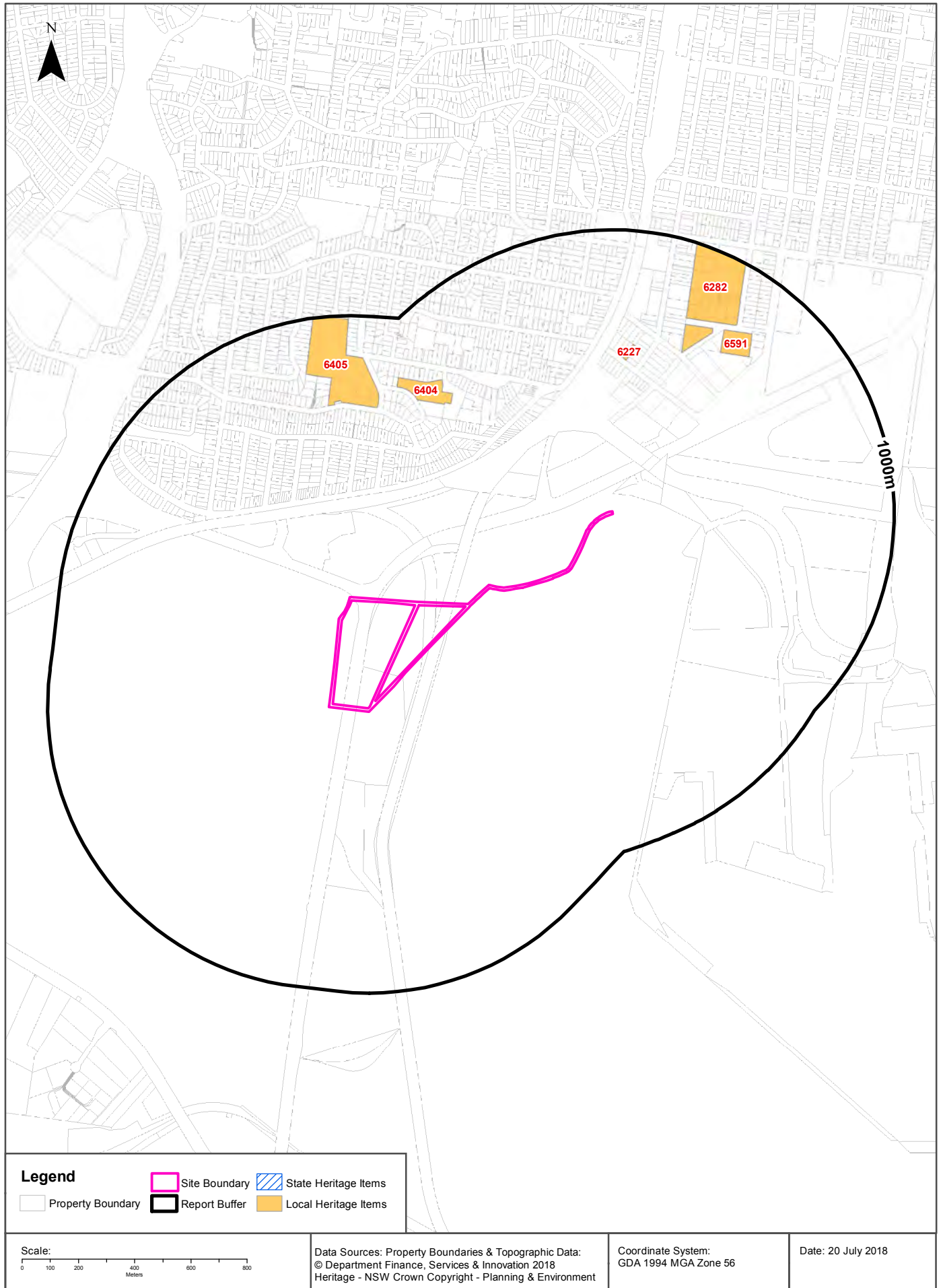
What are the onsite Local Environmental Plan Land Reservation Acquisitions?

| Reservation | LEP | Published Date | Commenced Date | Currency Date | Amendment | Comments | Percentage of Site Area |
|-------------|-----|----------------|----------------|---------------|-----------|----------|-------------------------|
| No Data | | | | | | | |

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Heritage Items

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Heritage

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

State Heritage Items

What are the State Heritage Items located within the dataset buffer?

| Map Id | Name | Address | LGA | Listing Date | Listing No | Plan No | Distance | Direction |
|--------|----------------------|---------|-----|--------------|------------|---------|----------|-----------|
| N/A | No records in buffer | | | | | | | |

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Local Heritage Items

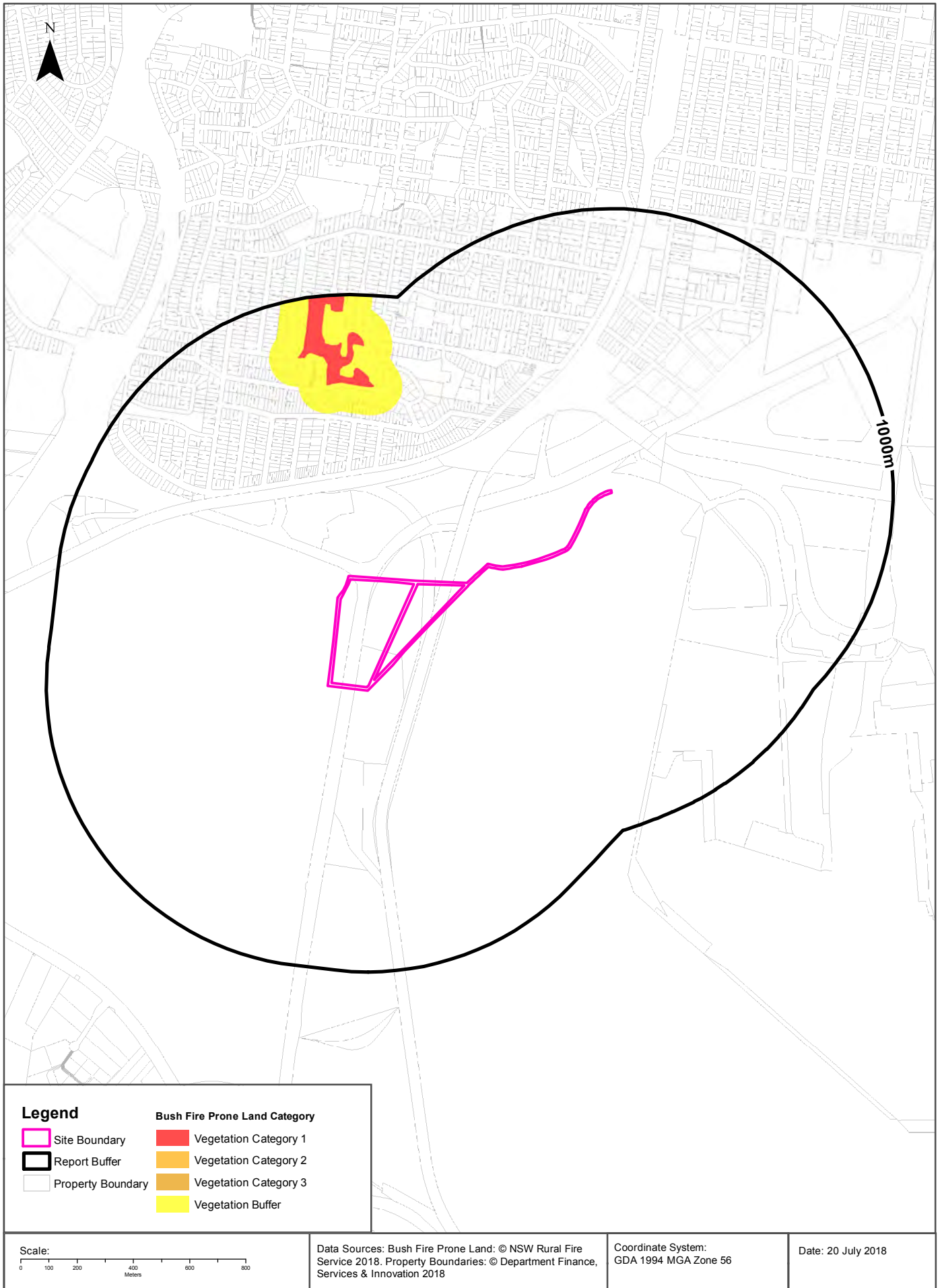
What are the Local Heritage Items located within the dataset buffer?

| Map Id | Name | Classification | Significance | LEP or Act | Published Date | Commenced Date | Currency Date | Distance | Direction |
|--------|--|------------------|--------------|--|----------------|----------------|---------------|----------|------------|
| 6227 | House | Item - General | Local | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 09/02/2018 | 538m | North East |
| 6282 | Wollongong General Cemetery Including Nicholle Vault | Item - General | Local | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 09/02/2018 | 615m | North East |
| 6404 | Stand Of Spotted Gum | Item - Landscape | Local | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 09/02/2018 | 658m | North |
| 6405 | Fort Drummond Including Stand Of Spotted Gum | Item - General | Local | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 09/02/2018 | 679m | North |
| 6591 | Methodist Cemetery | Item - Landscape | Local | Wollongong Local Environmental Plan 2009 | 26/02/2010 | 26/02/2010 | 09/02/2018 | 682m | North East |

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Natural Hazards - Bush Fire Prone Land

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Natural Hazards

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Bush Fire Prone Land

What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

| Bush Fire Prone Land Category | Distance | Direction |
|-------------------------------|----------|-----------|
| Vegetation Buffer | 574m | North |
| Vegetation Category 1 | 673m | North |

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Vegetation & RAMSAR Wetlands

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Ecological Constraints

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Native Vegetation of the Illawarra Escarpment & Coastal Plain

What Native Vegetation of the Illawarra Escarpment & Coastal Plain exists within the dataset buffer?

| Veg Code | Vegetation Community | Disturbance Class | Disturbance Type | Understorey | Broad Vegetation Type | Endangered Ecological Community | Distance | Direction |
|----------|--------------------------------------|----------------------|------------------|------------------------------|-----------------------|--------------------------------------|----------|------------|
| MU16 | Escarpment Blackbutt Forest | Moderate Disturbance | Weeds | Shrubs and Grasses | Native Vegetation | | 0m | Onsite |
| MU24 | Lowland Woollybutt-Melaleuca Forest | Moderate Disturbance | Weeds | Melaleuca Dominant | Native Vegetation | Illawarra Coastal Grassy Woodlands | 0m | Onsite |
| MU24 | Lowland Woollybutt-Melaleuca Forest | Scattered Trees | | | Scattered Trees | Illawarra Coastal Grassy Woodlands | 0m | Onsite |
| MU56c | Weeds and Exotics | Weeds and Exotics | | | Weeds and Exotics | | 0m | Onsite |
| MU56e | Modified Lands | Weeds and Exotics | | | Cleared | | 0m | Onsite |
| MU57a | Artificial Wetlands | Unassessed | | | Wetlands | | 0m | Onsite |
| MU16 | Escarpment Blackbutt Forest | Scattered Trees | | | Scattered Trees | | 4m | North East |
| MU57f | Fig Trees | Scattered Trees | | | Scattered Trees | | 143m | South West |
| MU25 | Spotted Gum Open Forest | High Disturbance | Weeds | Shrubs and Grasses | Native Vegetation | | 221m | North |
| MU57e | Estuarine Lagoons and Channels | Unassessed | | | Wetlands | | 259m | East |
| MU53 | Estuarine Alluvial Wetland | Unassessed | | | Native Vegetation | Sydney Coastal Estuary Swamp Complex | 265m | North East |
| MU25 | Spotted Gum Open Forest | Scattered Trees | | | Scattered Trees | | 505m | North |
| MU25 | Spotted Gum Open Forest | High Disturbance | Weeds | Mesic/Rainforest Shrub Layer | Native Vegetation | | 589m | North |
| MU25 | Spotted Gum Open Forest | High Disturbance | | | Native Vegetation | | 674m | North West |
| MU55a | Seagrass Meadows and Estuarine Flats | Unassessed | | | Seagrass | | 747m | East |

Native Vegetation of the Illawarra Escarpment & Coastal Plain : NSW Office of Environment and Heritage
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RAMSAR Wetlands

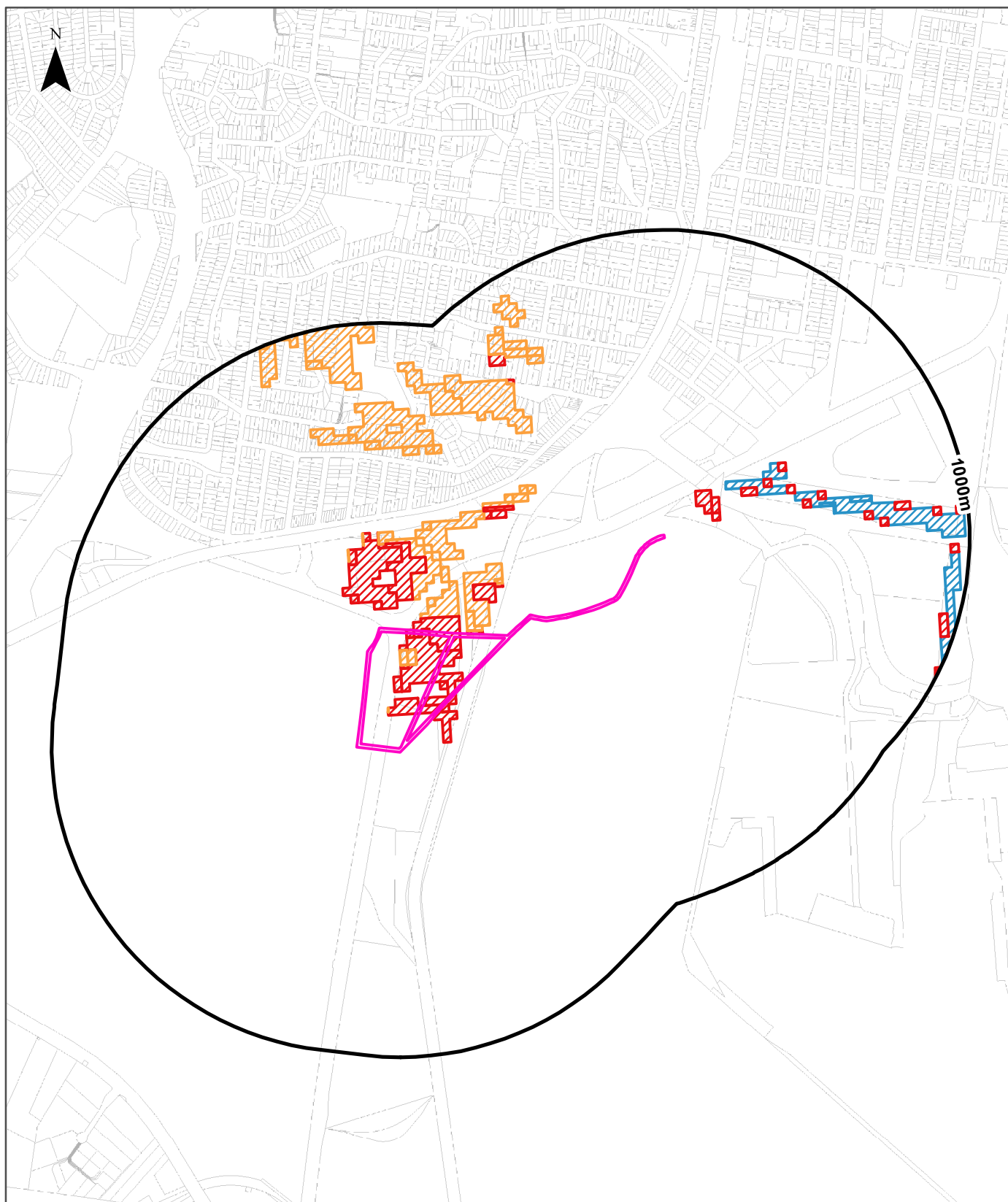
What RAMSAR Wetland areas exist within the dataset buffer?

| Map Id | RAMSAR Name | Wetland Name | Designation Date | Source | Distance | Direction |
|--------|----------------------|--------------|------------------|--------|----------|-----------|
| N/A | No records in buffer | | | | | |

RAMSAR Wetlands Data Source: © Commonwealth of Australia - Department of Environment

Ecological Constraints - Groundwater Dependent Ecosystems Atlas

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



| | | |
|--|---|---|
| Legend | | <ul style="list-style-type: none"> High potential GDE - from national assessment High potential GDE - from regional studies Moderate potential GDE - from national assessment Moderate potential GDE - from regional studies Low potential GDE - from national assessment Low potential GDE - from regional studies Known GDE - from regional studies Unclassified potential GDE - from national assessment Unclassified potential GDE - from regional studies |
| <ul style="list-style-type: none"> Site Boundary Report Buffer Property Boundaries | | |
| <p>Scale:</p> | <p>Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2018</p> | <p>Coordinate System: GDA 1994 MGA Zone 56</p> |
| | | Date: 20 July 2018 |

Ecological Constraints

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

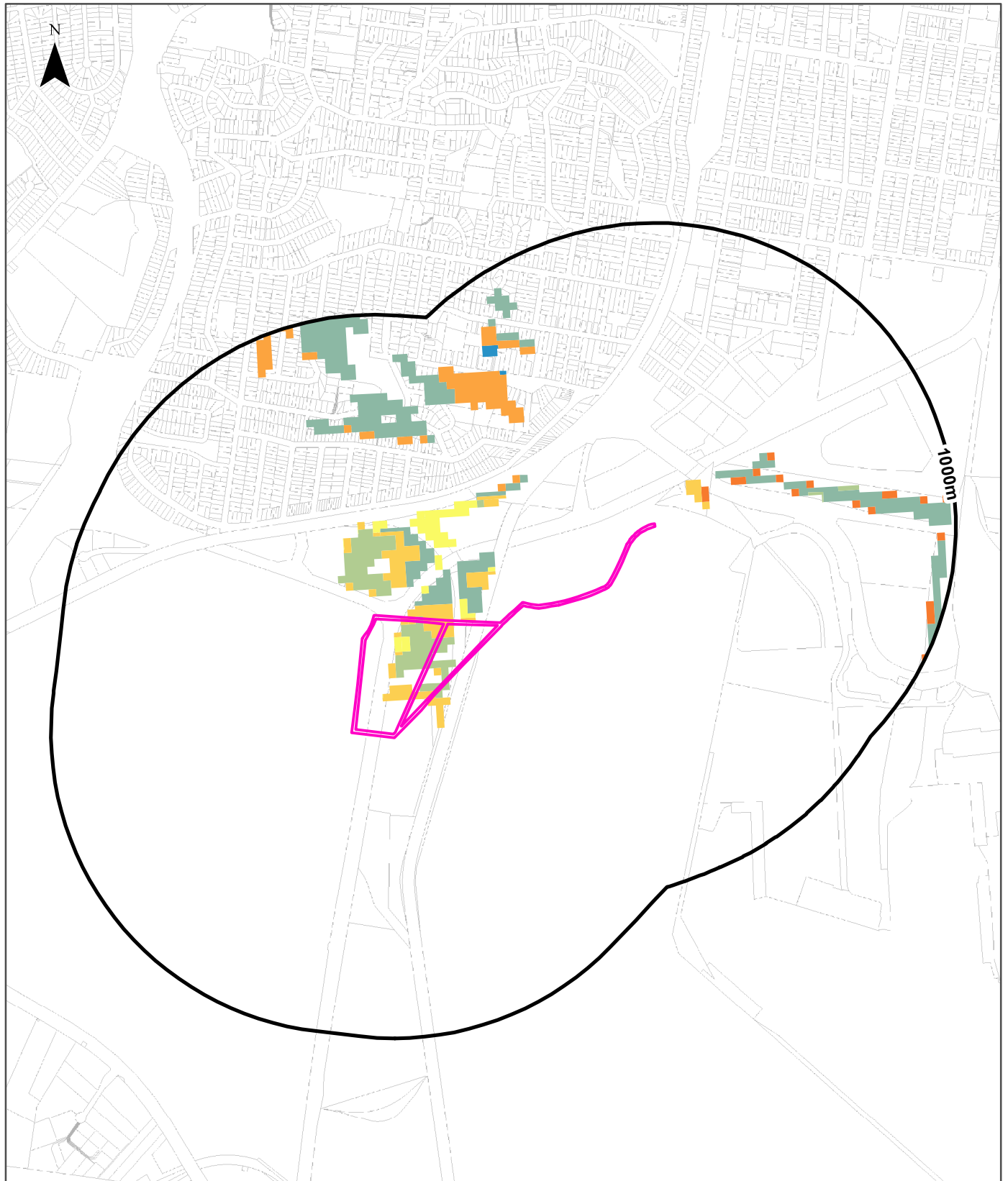
Groundwater Dependent Ecosystems Atlas

| Type | GDE Potential | Geomorphology | Ecosystem Type | Aquifer Geology | Distance |
|-------------|--|---|----------------|-----------------|----------|
| Terrestrial | High potential GDE - from regional studies | Deeply dissected sandstone plateaus. | Vegetation | | 0m |
| Terrestrial | High potential GDE - from regional studies | Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment. | Vegetation | | 0m |
| Terrestrial | Moderate potential GDE - from regional studies | Deeply dissected sandstone plateaus. | Vegetation | | 8m |
| Terrestrial | Low potential GDE - from regional studies | Deeply dissected sandstone plateaus. | Vegetation | | 252m |

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints - Inflow Dependent Ecosystems Likelihood

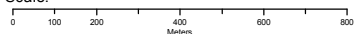
Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)



Legend

| | | | |
|---------------------|---------|---|-----------|
| Site Boundary | NULL | 4 | 8 |
| Report Buffer | 1 (Low) | 5 | 9 |
| Property Boundaries | 2 | 6 | 10 (High) |
| | 3 | 7 | |

Scale:



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2018

Coordinate System:
GDA 1994 MGA Zone 56

Date: 20 July 2018

Ecological Constraints

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

Inflow Dependent Ecosystems Likelihood

| Type | IDE Likelihood | Geomorphology | Ecosystem Type | Aquifer Geology | Distance |
|-------------|----------------|---|----------------|-----------------|----------|
| Terrestrial | 4 | Deeply dissected sandstone plateaus. | Vegetation | | 0m |
| Terrestrial | 7 | Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment. | Vegetation | | 0m |
| Terrestrial | 5 | Deeply dissected sandstone plateaus. | Vegetation | | 8m |
| Terrestrial | 8 | Deeply dissected sandstone plateaus. | Vegetation | | 25m |
| Terrestrial | 2 | Deeply dissected sandstone plateaus. | Vegetation | | 173m |
| Terrestrial | 3 | Deeply dissected sandstone plateaus. | Vegetation | | 374m |
| Terrestrial | 10 | Deeply dissected sandstone plateaus. | Vegetation | | 680m |

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Ecological Constraints

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 3)

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

| Kingdom | Class | Scientific | Common | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|----------|---------------------------|----------------------------|-------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Amphibia | Heleioporus australiacus | Giant Burrowing Frog | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Amphibia | Litoria aurea | Green and Golden Bell Frog | Endangered | Not Sensitive | Vulnerable | |
| Animalia | Amphibia | Litoria littlejohni | Littlejohn's Tree Frog | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Amphibia | Pseudophryne australis | Red-crowned Toadlet | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Actitis hypoleucos | Common Sandpiper | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Anseranas semipalmata | Magpie Goose | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Anthochaera phrygia | Regent Honeyeater | Critically Endangered | Not Sensitive | Critically Endangered | |
| Animalia | Aves | Apus pacificus | Fork-tailed Swift | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Ardea ibis | Cattle Egret | Not Listed | Not Sensitive | Not Listed | CAMBA;JAMBA |
| Animalia | Aves | Ardenna carneipes | Flesh-footed Shearwater | Vulnerable | Not Sensitive | Not Listed | ROKAMBA;JAMBA |
| Animalia | Aves | Ardenna pacificus | Wedge-tailed Shearwater | Not Listed | Not Sensitive | Not Listed | JAMBA |
| Animalia | Aves | Ardenna tenuirostris | Short-tailed Shearwater | Not Listed | Not Sensitive | Not Listed | ROKAMBA;JAMBA |
| Animalia | Aves | Arenaria interpres | Ruddy Turnstone | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Artamus cyanopterus | Dusky Woodswallow | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Botaurus poiciloptilus | Australasian Bittern | Endangered | Not Sensitive | Endangered | |
| Animalia | Aves | Calidris acuminata | Sharp-tailed Sandpiper | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris alba | Sanderling | Vulnerable | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris canutus | Red Knot | Not Listed | Not Sensitive | Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris ferruginea | Curllew Sandpiper | Endangered | Not Sensitive | Critically Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris melanotos | Pectoral Sandpiper | Not Listed | Not Sensitive | Not Listed | ROKAMBA;JAMBA |
| Animalia | Aves | Calidris ruficollis | Red-necked Stint | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Callocephalon fimbriatum | Gang-gang Cockatoo | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Calonectris leucomelas | Streaked Shearwater | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calyptorhynchus lathamii | Glossy Black-Cockatoo | Vulnerable | Category 2 | Not Listed | |
| Animalia | Aves | Circus assimilis | Spotted Harrier | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Coracina lineata | Barred Cuckoo-shrike | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Daphoenositta chrysoptera | Varied Sittella | Vulnerable | Not Sensitive | Not Listed | |

| Kingdom | Class | Scientific | Common | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|-------|------------------------------|---|-------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Aves | Diomedea exulans | Wandering Albatross | Endangered | Not Sensitive | Endangered | JAMBA |
| Animalia | Aves | Diomedea gibsoni | Gibson's Albatross | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Aves | Egretta sacra | Eastern Reef Egret | Not Listed | Not Sensitive | Not Listed | CAMBA |
| Animalia | Aves | Ephippiorhynchus asiaticus | Black-necked Stork | Endangered | Not Sensitive | Not Listed | |
| Animalia | Aves | Epthianura albifrons | White-fronted Chat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Fregata ariel | Lesser Frigatebird | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Gallinago hardwickii | Latham's Snipe | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Glossopsitta pusilla | Little Lorikeet | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Grantiella picta | Painted Honeyeater | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Aves | Gygis alba | White Tern | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Haematopus fuliginosus | Sooty Oystercatcher | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Haematopus longirostris | Pied Oystercatcher | Endangered | Not Sensitive | Not Listed | |
| Animalia | Aves | Haliaeetus leucogaster | White-bellied Sea-Eagle | Vulnerable | Not Sensitive | Not Listed | CAMBA |
| Animalia | Aves | Hieraaetus morphnoides | Little Eagle | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Hirundapus caudacutus | White-throated Needletail | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Hydroprogne caspia | Caspian Tern | Not Listed | Not Sensitive | Not Listed | CAMBA;JAMBA |
| Animalia | Aves | Ixobrychus flavicollis | Black Bittern | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Lathamus discolor | Swift Parrot | Endangered | Category 3 | Critically Endangered | |
| Animalia | Aves | Limicola falcinellus | Broad-billed Sandpiper | Vulnerable | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Limosa lapponica | Bar-tailed Godwit | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Limosa limosa | Black-tailed Godwit | Vulnerable | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Lophoictinia isura | Square-tailed Kite | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Macronectes giganteus | Southern Giant Petrel | Endangered | Not Sensitive | Endangered | |
| Animalia | Aves | Macronectes halli | Northern Giant-Petrel | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Aves | Melithreptus gularis gularis | Black-chinned Honeyeater (eastern subspecies) | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Neophema pulchella | Turquoise Parrot | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Ninox connivens | Barking Owl | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Ninox strenua | Powerful Owl | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Numenius madagascariensis | Eastern Curlew | Not Listed | Not Sensitive | Critically Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Numenius phaeopus | Whimbrel | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Onychoprion fuscata | Sooty Tern | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Oxyura australis | Blue-billed Duck | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Pachycephala olivacea | Olive Whistler | Vulnerable | Not Sensitive | Not Listed | |

| Kingdom | Class | Scientific | Common | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|----------|---|------------------------------------|-------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Aves | <i>Pandion cristatus</i> | Eastern Osprey | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | <i>Petroica phoenicea</i> | Flame Robin | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | <i>Petroica rodinogaster</i> | Pink Robin | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | <i>Phaethon lepturus</i> | White-tailed Tropicbird | Not Listed | Not Sensitive | Not Listed | CAMBA;JAMBA |
| Animalia | Aves | <i>Pluvialis fulva</i> | Pacific Golden Plover | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA;JAMBA |
| Animalia | Aves | <i>Pluvialis squatarola</i> | Grey Plover | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA;JAMBA |
| Animalia | Aves | <i>Polytelis anthopeplus monarchoides</i> | Regent Parrot (eastern subspecies) | Endangered | Category 3 | Vulnerable | |
| Animalia | Aves | <i>Polytelis swainsonii</i> | Superb Parrot | Vulnerable | Category 3 | Vulnerable | |
| Animalia | Aves | <i>Pterodroma leucoptera leucoptera</i> | Gould's Petrel | Vulnerable | Not Sensitive | Endangered | |
| Animalia | Aves | <i>Ptilinopus magnificus</i> | Wompoo Fruit-Dove | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | <i>Ptilinopus regina</i> | Rose-crowned Fruit-Dove | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | <i>Ptilinopus superbus</i> | Superb Fruit-Dove | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | <i>Puffinus assimilis</i> | Little Shearwater | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | <i>Stercorarius parasiticus</i> | Arctic Jaeger | Not Listed | Not Sensitive | Not Listed | ROKAMBA;JAMBA |
| Animalia | Aves | <i>Sternula albifrons</i> | Little Tern | Endangered | Not Sensitive | Not Listed | ROKAMBA;CAMBA;JAMBA |
| Animalia | Aves | <i>Stictonetta naevosa</i> | Freckled Duck | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | <i>Thalassarche impavida</i> | Campbell Albatross | Not Listed | Not Sensitive | Vulnerable | |
| Animalia | Aves | <i>Thalassarche melanophris</i> | Black-browed Albatross | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Aves | <i>Thalassarche salvini</i> | Salvin's Albatross | Not Listed | Not Sensitive | Vulnerable | |
| Animalia | Aves | <i>Thinornis rubricollis</i> | Hooded Plover | Critically Endangered | Not Sensitive | Vulnerable | |
| Animalia | Aves | <i>Tringa brevipes</i> | Grey-tailed Tattler | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA;JAMBA |
| Animalia | Aves | <i>Tringa incana</i> | Wandering Tattler | Not Listed | Not Sensitive | Not Listed | JAMBA |
| Animalia | Aves | <i>Tringa nebularia</i> | Common Greenshank | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA;JAMBA |
| Animalia | Aves | <i>Tringa stagnatilis</i> | Marsh Sandpiper | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA;JAMBA |
| Animalia | Aves | <i>Tyto novaehollandiae</i> | Masked Owl | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | <i>Tyto tenebricosa</i> | Sooty Owl | Vulnerable | Category 3 | Not Listed | |
| Animalia | Mammalia | <i>Arctocephalus pusillus doriferus</i> | Australian Fur-seal | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | <i>Cercartetus nanus</i> | Eastern Pygmy-possum | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | <i>Chalinolobus dwyeri</i> | Large-eared Pied Bat | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | <i>Dasyurus maculatus</i> | Spotted-tailed Quoll | Vulnerable | Not Sensitive | Endangered | |
| Animalia | Mammalia | <i>Dasyurus viverrinus</i> | Eastern Quoll | Endangered | Not Sensitive | Endangered | |
| Animalia | Mammalia | <i>Dugong dugon</i> | Dugong | Endangered | Not Sensitive | Not Listed | |
| Animalia | Mammalia | <i>Falsistrellus tasmaniensis</i> | Eastern False Pipistrelle | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | <i>Megaptera novaeangliae</i> | Humpback Whale | Vulnerable | Not Sensitive | Vulnerable | |

| Kingdom | Class | Scientific | Common | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|----------|--|--------------------------------|-------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Mammalia | Miniopterus australis | Little Bentwing-bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Miniopterus schreibersii oceanensis | Eastern Bentwing-bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Mormopterus norfolkensis | Eastern Freetail-bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Myotis macropus | Southern Myotis | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Petauroides volans | Greater Glider | Not Listed | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | Petaurus australis | Yellow-bellied Glider | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Phascolarctos cinereus | Koala | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | Physeter macrocephalus | Sperm Whale | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Pteropus poliocephalus | Grey-headed Flying-fox | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | Saccolaimus flaviventris | Yellow-bellied Sheath-tail-bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Scoteanax rueppellii | Greater Broad-nosed Bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Reptilia | Caretta caretta | Loggerhead Turtle | Endangered | Not Sensitive | Endangered | |
| Animalia | Reptilia | Chelonia mydas | Green Turtle | Vulnerable | Not Sensitive | Vulnerable | |
| Plantae | Flora | Acacia baueri subsp. aspera | | Vulnerable | Not Sensitive | Not Listed | |
| Plantae | Flora | Acacia bynoeana | Bynoe's Wattle | Endangered | Not Sensitive | Vulnerable | |
| Plantae | Flora | Arthropteris palisotii | Lesser Creeping Fern | Endangered | Category 3 | Not Listed | |
| Plantae | Flora | Chorizema parviflorum | Eastern Flame Pea | Endangered Population | Not Sensitive | Not Listed | |
| Plantae | Flora | Cynanchum elegans | White-flowered Wax Plant | Endangered | Not Sensitive | Endangered | |
| Plantae | Flora | Epacris purpurascens subsp. purpurascens | | Vulnerable | Not Sensitive | Not Listed | |
| Plantae | Flora | Eucalyptus largeana | Craven Grey Box | Endangered | Not Sensitive | Endangered | |
| Plantae | Flora | Eucalyptus scoparia | Wallangarra White Gum | Endangered | Not Sensitive | Vulnerable | |
| Plantae | Flora | Gossia acmenoides | Scrub Ironwood | Endangered Population | Not Sensitive | Not Listed | |
| Plantae | Flora | Macadamia integrifolia | Macadamia Nut | Not Listed | Not Sensitive | Vulnerable | |
| Plantae | Flora | Parsonia dorrigoensis | Milky Silkpod | Vulnerable | Not Sensitive | Endangered | |
| Plantae | Flora | Persoonia glaucescens | Mittagong Geebung | Endangered | Not Sensitive | Vulnerable | |
| Plantae | Flora | Persoonia hirsuta | Hairy Geebung | Endangered | Category 3 | Endangered | |
| Plantae | Flora | Persoonia nutans | Nodding Geebung | Endangered | Not Sensitive | Endangered | |
| Plantae | Flora | Pultenaea aristata | Prickly Bush-pea | Vulnerable | Not Sensitive | Vulnerable | |
| Plantae | Flora | Senna acclinis | Rainforest Cassia | Endangered | Not Sensitive | Not Listed | |
| Plantae | Flora | Solanum celatum | | Endangered | Not Sensitive | Not Listed | |
| Plantae | Flora | Syzygium paniculatum | Magenta Lilly Pilly | Endangered | Not Sensitive | Vulnerable | |
| Plantae | Flora | Zieria granulata | Illawarra Zieria | Endangered | Not Sensitive | Endangered | |

Data does not include NSW category 1 sensitive species.

NSW BioNet: © State of NSW and Office of Environment and Heritage

Data obtained 20/07/2018

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LOTSEARCH ENVIRO PROFESSIONAL

Date: 19 Jul 2018 20:08:37

Reference: LS003867

Address: Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)

Disclaimer:

The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features. You should obtain independent advice before you make any decision based on the information within the report. The detailed terms applicable to use of this report are set out at the end of this report.

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Location Confidences

Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading “LC” or “LocConf”. These codes lookup to the following location confidences:

| LC Code | Location Confidence |
|---------|---|
| 1 | Georeferenced to the site location / premise or part of site |
| 2 | Georeferenced with the confidence of the general/approximate area |
| 3 | Georeferenced to the road or rail |
| 4 | Georeferenced to the road intersection |
| 5 | Feature is a buffered point |
| 6 | Land adjacent to Georeferenced Site |
| 7 | Georeferenced to a network of features |

Dataset Listing

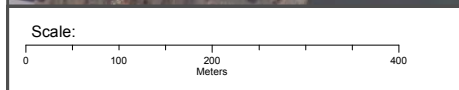
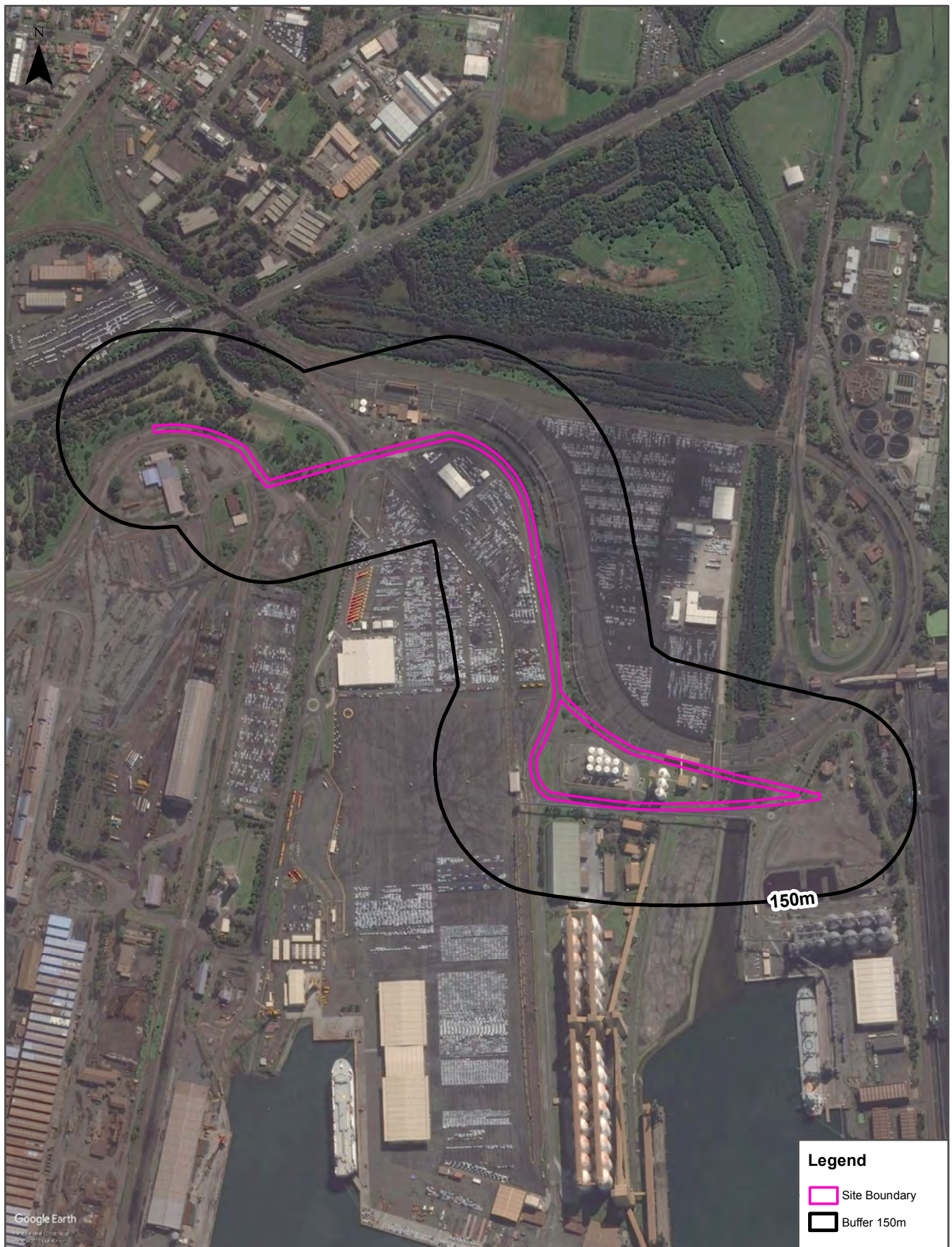
Datasets contained within this report, detailing their source and data currency:

| Dataset Name | Custodian | Supply Date | Currency Date | Update Frequency | Dataset Buffer (m) | No. Features Onsite | No. Features within 100m | No. Features within Buffer |
|--|--|-------------|---------------|------------------|--------------------|---------------------|--------------------------|----------------------------|
| Cadastre Boundaries | Dept. Finance, Services & Innovation | 19/07/2018 | 19/07/2018 | Daily | - | - | - | - |
| Topographic Data | Dept. Finance, Services & Innovation | 09/04/2018 | 09/04/2018 | As required | - | - | - | - |
| List of NSW contaminated sites notified to EPA | Environment Protection Authority | 06/07/2018 | 02/07/2018 | Monthly | 1000 | 1 | 1 | 4 |
| Contaminated Land Records of Notice | Environment Protection Authority | 06/07/2018 | 06/07/2018 | Monthly | 1000 | 1 | 1 | 3 |
| Former Gasworks | Environment Protection Authority | 04/07/2018 | 11/10/2017 | Monthly | 1000 | 0 | 0 | 0 |
| National Waste Management Site Database | Geoscience Australia | 04/07/2018 | 07/03/2017 | Quarterly | 1000 | 0 | 0 | 0 |
| EPA PFAS Investigation Program | Environment Protection Authority | 04/07/2018 | 04/07/2018 | Monthly | 2000 | 0 | 0 | 0 |
| EPA Other Sites with Contamination Issues | Environment Protection Authority | 11/01/2018 | 11/01/2018 | Quarterly | 1000 | 0 | 0 | 0 |
| Licensed Activities under the POEO Act 1997 | Environment Protection Authority | 13/07/2018 | 13/07/2018 | Monthly | 1000 | 22 | 25 | 27 |
| Delicensed POEO Activities still Regulated by the EPA | Environment Protection Authority | 13/07/2018 | 13/07/2018 | Monthly | 1000 | 1 | 1 | 3 |
| Former POEO Licensed Activities now revoked or surrendered | Environment Protection Authority | 13/07/2018 | 13/07/2018 | Monthly | 1000 | 4 | 6 | 14 |
| UPSS Environmentally Sensitive Zones | Environment Protection Authority | 14/04/2015 | 12/01/2010 | As required | 1000 | 1 | 1 | 1 |
| UBD Business Directory 1982 (Premise & Intersection Matches) | Hardie Grant | | | Not required | 150 | 0 | 0 | 0 |
| UBD Business Directory 1982 (Road & Area Matches) | Hardie Grant | | | Not required | 150 | - | 2 | 2 |
| UBD Business Directory 1970 (Premise & Intersection Matches) | Hardie Grant | | | Not required | 150 | 0 | 0 | 0 |
| UBD Business Directory 1970 (Road & Area Matches) | Hardie Grant | | | Not required | 150 | - | 2 | 2 |
| UBD Business Directory 1961 (Premise & Intersection Matches) | Hardie Grant | | | Not required | 150 | 0 | 0 | 0 |
| UBD Business Directory 1961 (Road & Area Matches) | Hardie Grant | | | Not required | 150 | - | 16 | 16 |
| UBD Business Directory 1950 (Premise & Intersection Matches) | Hardie Grant | | | Not required | 150 | 0 | 0 | 0 |
| UBD Business Directory 1950 (Road & Area Matches) | Hardie Grant | | | Not required | 150 | - | 0 | 0 |
| UBD Business Directory Drycleaners & Motor Garages/Service Stations (Premise & Intersection Matches) | Hardie Grant | | | Not required | 500 | 0 | 0 | 0 |
| UBD Business Directory Drycleaners & Motor Garages/Service Stations (Road & Area Matches) | Hardie Grant | | | Not required | 500 | - | 0 | 4 |
| Points of Interest | Dept. Finance, Services & Innovation | 09/04/2018 | 09/04/2018 | Quarterly | 1000 | 0 | 0 | 25 |
| Tanks (Areas) | Dept. Finance, Services & Innovation | 09/04/2018 | 09/04/2018 | Quarterly | 1000 | 0 | 0 | 0 |
| Tanks (Points) | Dept. Finance, Services & Innovation | 09/04/2018 | 09/04/2018 | Quarterly | 1000 | 0 | 2 | 2 |
| Major Easements | Dept. Finance, Services & Innovation | 09/04/2018 | 09/04/2018 | As required | 1000 | 1 | 1 | 2 |
| State Forest | Dept. Finance, Services & Innovation | 18/01/2018 | 18/01/2018 | As required | 1000 | 0 | 0 | 0 |
| NSW National Parks and Wildlife Service Reserves | NSW Office of Environment & Heritage | 18/01/2018 | 30/09/2017 | Annually | 1000 | 0 | 0 | 0 |
| Hydrogeology Map of Australia | Commonwealth of Australia (Geoscience Australia) | 08/10/2014 | 17/03/2000 | As required | 1000 | 1 | 1 | 1 |

| Dataset Name | Custodian | Supply Date | Currency Date | Update Frequency | Dataset Buffer (m) | No. Features Onsite | No. Features within 100m | No. Features within Buffer |
|---|--|-------------|---------------|------------------|--------------------|---------------------|--------------------------|----------------------------|
| Botany Groundwater Management Zones | NSW Department of Primary Industries | 15/03/2018 | 01/10/2005 | As required | 1000 | 0 | 0 | 0 |
| Groundwater Boreholes | NSW Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology) | 21/03/2016 | 01/12/2015 | Annually | 2000 | 0 | 0 | 43 |
| Geological Units 1:100,000 | NSW Dept. of Industry, Resources & Energy | 20/08/2014 | | None planned | 1000 | 1 | - | 5 |
| Geological Structures 1:100,000 | NSW Dept. of Industry, Resources & Energy | 20/08/2014 | | None planned | 1000 | 0 | - | 0 |
| Naturally Occurring Asbestos Potential | NSW Dept. of Industry, Resources & Energy | 04/12/2015 | 24/09/2015 | Unknown | 1000 | 0 | 0 | 0 |
| Soil Landscapes | NSW Office of Environment & Heritage | 12/08/2014 | | None planned | 1000 | 2 | - | 4 |
| Atlas of Australian Soils | CSIRO | 19/05/2017 | 17/02/2011 | As required | 1000 | 2 | 2 | 2 |
| Standard Local Environmental Plan Acid Sulfate Soils | NSW Planning and Environment | 07/10/2016 | 07/10/2016 | As required | 500 | 0 | - | - |
| Atlas of Australian Acid Sulfate Soils | CSIRO | 19/01/2017 | 21/02/2013 | As required | 1000 | 2 | 2 | 3 |
| Dryland Salinity - National Assessment | National Land and Water Resources Audit | 18/07/2014 | 12/05/2013 | None planned | 1000 | 0 | 0 | 0 |
| Dryland Salinity Potential of Western Sydney | NSW Office of Environment & Heritage | 12/05/2017 | 01/01/2002 | None planned | 1000 | - | - | - |
| Mining Subsidence Districts | Dept. Finance, Services & Innovation | 13/07/2017 | 01/07/2017 | As required | 1000 | 0 | 0 | 0 |
| SEPP 14 - Coastal Wetlands | NSW Planning and Environment | 17/12/2015 | 24/10/2008 | Annually | 1000 | 0 | 0 | 0 |
| SEPP 26 - Littoral Rainforest | NSW Planning and Environment | 17/12/2015 | 05/02/1988 | Annually | 1000 | 0 | 0 | 0 |
| SEPP 71 - Coastal Protection | NSW Planning and Environment | 17/12/2015 | 01/08/2003 | Annually | 1000 | 1 | 1 | 1 |
| SEPP Major Developments 2005 | NSW Planning and Environment | 09/03/2013 | 25/05/2005 | Under Review | 1000 | 1 | 1 | 1 |
| SEPP Strategic Land Use Areas | NSW Planning and Environment | 01/08/2017 | 28/01/2014 | Annually | 1000 | 0 | 0 | 0 |
| LEP - Land Zoning | NSW Planning and Environment | 11/04/2018 | 16/03/2018 | Quarterly | 1000 | 0 | 0 | 30 |
| LEP - Minimum Subdivision Lot Size | NSW Planning and Environment | 04/04/2018 | 23/03/2018 | Quarterly | 0 | 0 | - | - |
| LEP - Height of Building | NSW Planning and Environment | 04/04/2018 | 23/03/2018 | Quarterly | 0 | 0 | - | - |
| LEP - Floor Space Ratio | NSW Planning and Environment | 04/04/2018 | 23/03/2018 | Quarterly | 0 | 0 | - | - |
| LEP - Land Application | NSW Planning and Environment | 04/04/2018 | 23/03/2018 | Quarterly | 0 | 0 | - | - |
| LEP - Land Reservation Acquisition | NSW Planning and Environment | 04/04/2018 | 09/03/2018 | Quarterly | 0 | 0 | - | - |
| State Heritage Items | NSW Office of Environment & Heritage | 04/04/2018 | 30/09/2016 | Quarterly | 1000 | 0 | 0 | 0 |
| Local Heritage Items | NSW Planning and Environment | 04/04/2018 | 23/03/2018 | Quarterly | 1000 | 0 | 0 | 5 |
| Bush Fire Prone Land | NSW Rural Fire Service | 10/05/2018 | 23/01/2018 | Quarterly | 1000 | 0 | 0 | 2 |
| Native Vegetation of the Illawarra Escarpment & Coastal Plain | NSW Office of Environment & Heritage | 20/05/2015 | 04/08/2011 | Unknown | 1000 | 3 | 4 | 16 |
| RAMSAR Wetlands | Commonwealth of Australia Department of the Environment | 08/10/2014 | 24/06/2011 | As required | 1000 | 0 | 0 | 0 |
| Groundwater Dependent Ecosystems | Bureau of Meteorology | 14/08/2017 | 15/05/2017 | Unknown | 1000 | 2 | 3 | 4 |
| Inflow Dependent Ecosystems Likelihood | Bureau of Meteorology | 14/08/2017 | 15/05/2017 | Unknown | 1000 | 2 | 4 | 9 |
| NSW BioNet Species Sightings | NSW Office of Environment & Heritage | 19/07/2018 | 19/07/2018 | Daily | 10000 | - | - | - |

Aerial Imagery 2017

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)



Data Source Aerial Imagery: © 2018 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System: GDA 1994 MGA Zone 56

Date: 17 July 2018

Contaminated Land & Waste Management Facilities

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)



Contaminated Land & Waste Management Facilities

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

| Map Id | Site | Address | Suburb | Activity | Management Class | Status | Location Confidence | Dist (m) | Direction |
|--------|---------------------------------------|-------------------|-------------|----------------|--|------------------|---------------------|----------|-----------|
| 1086 | No 2 Steelworks | Five Islands Road | Port Kembla | Metal Industry | Regulation under CLM Act not required | Current EPA List | Premise Match | 0m | Onsite |
| 1474 | Greenhouse Park | Springhill Road | Wollongong | Landfill | Regulation being finalised | Current EPA List | Premise Match | 172m | North |
| 7186 | Port Kembla Steelworks Recycling Area | Springhill Road | Port Kembla | Unclassified | Regulation under CLM Act not required | Current EPA List | Premise Match | 961m | West |
| 1079 | BHP Area 21 | Springhill Road | Port Kembla | Metal Industry | Contamination formerly regulated under the CLM Act | Current EPA List | Premise Match | 961m | West |

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

| EPA site management class | Explanation |
|---|---|
| Contamination being managed via the planning process (EP&A Act) | The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment. |
| Contamination currently regulated under CLM Act | The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices. |
| Contamination currently regulated under POEO Act | The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register. |
| Contamination formerly regulated under the CLM Act | The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act. |
| Contamination formerly regulated under the POEO Act | The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act). |
| Contamination was addressed via the planning process (EP&A Act) | The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act). |
| Ongoing maintenance required to manage residual contamination (CLM Act) | The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices. |
| Regulation being finalised | The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised. |
| Regulation under the CLM Act not required | The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required. |
| Under assessment | The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order. |

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land & Waste Management Facilities

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

| Map Id | Name | Address | Suburb | Notices | Area No | Location Confidence | Distance | Direction |
|--------|-----------------|-------------------|-------------|-----------|---------|---------------------|----------|-----------|
| 181 | No 2 Steelworks | Five Islands Road | Port Kembla | 4 former | 3337 | Premise Match | 0m | Onsite |
| 387 | Greenhouse Park | Springhill Road | Wollongong | 1 current | 3415 | Premise Match | 172m | North |
| 180 | BHP Area 21 | Springhill Road | Port Kembla | 1 former | 3121 | Premise Match | 961m | West |

Contaminated Land Records of Notice Data Source: Environment Protection Authority
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<http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm>

Former Gasworks

Former Gasworks within the dataset buffer:

| Map Id | Location | Council | Further Info | Location Confidence | Distance | Direction |
|--------|----------------------|---------|--------------|---------------------|----------|-----------|
| N/A | No records in buffer | | | | | |

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

National Waste Management Site Database

Sites on the National Waste Management Site Database within the dataset buffer:

| Site Id | Owner | Name | Address | Suburb | Class | Landfill | Reprocess | Transfer | Comments | Loc Conf | Dist (m) | Direction |
|---------|----------------------|------|---------|--------|-------|----------|-----------|----------|----------|----------|----------|-----------|
| N/A | No records in buffer | | | | | | | | | | | |

Waste Management Facilities Data Source: Geoscience Australia
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EPA PFAS Investigation Program

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

| Id | Site | Address | Location Confidence | Distance | Direction |
|-----|----------------------|---------|---------------------|----------|-----------|
| N/A | No records in buffer | | | | |

EPA PFAS Investigation Program: Environment Protection Authority
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EPA Other Sites with Contamination Issues

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill

Sites within the dataset buffer:

| Site Id | Site Name | Site Address | Dataset | Comments | Location Confidence | Distance | Direction |
|---------|----------------------|--------------|---------|----------|---------------------|----------|-----------|
| N/A | No records in buffer | | | | | | |

EPA Other Sites with Contamination Issues: Environment Protection Authority
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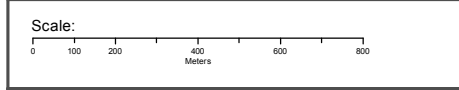
Current EPA Licensed Activities

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)



Legend

- Site Boundary
- Report Buffer
- Property Boundary
- Current Licensed Activities under POEO Act
- Current Licences related to Other Activities incl. Application of Herbicides to Waterways
- Current Licences related to Irrigated Agriculture



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2018

Coordinate System:
GDA 1994 MGA Zone 56

Date: 19 July 2018

EPA Activities

Proposed Gas Pipeline & Berth 101, Port Kembla, NSW 2505 (Section 4)

Licensed Activities under the POEO Act 1997

Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

| EPL | Organisation | Name | Address | Suburb | Activity | Loc Conf | Distance | Direction |
|-------|---------------------------------|------------------------|---------------------------------------|-------------|--|---------------|----------|-----------|
| 20532 | Quattro P RE Services Pty Ltd | | Tom Thumb Road, PORT KEMBLA, NSW 2505 | | Other activities | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Agricultural fertiliser (inorganic) production | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Cement or lime handling | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Cement or lime production | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Coal works | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Coke production | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Crushing, grinding or separating | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Dangerous goods production | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | General chemicals storage | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Generation of electrical power from gas | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Iron or steel production (iron ore) | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Mineral processing | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Railway systems activities | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Recovery of general waste | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Recovery of waste tyres | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Scrap metal processing | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Shipping in bulk | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Waste storage - other types of waste | Premise Match | 0m | Onsite |
| 6092 | BLUESCOPE STEEL (AIS) PTY. LTD. | PORT KEMBLA STEELWORKS | FIVE ISLANDS ROAD | PORT KEMBLA | Waste storage - waste tyres | Premise Match | 0m | Onsite |

| EPL | Organisation | Name | Address | Suburb | Activity | Loc Conf | Distance | Direction |
|-------|--|------------------------------------|-----------------------------------|-------------|---|---------------------|----------|------------|
| 3693 | GRAINCORP OPERATIONS LIMITED | PORT KEMBLA GRAIN TERMINAL | MORTON WAY | PORT KEMBLA | Shipping in bulk | Premise Match | 0m | Onsite |
| 3142 | AUSTRALIAN RAIL TRACK CORPORATION LIMITED | | GPO BOX 14, SYDNEY, NSW 2001 | | Railway systems activities | Network of Features | 0m | Onsite |
| 13421 | JOHN HOLLAND RAIL PTY LTD | | PO Box 215 , PARRAMATTA, NSW 2124 | | Railway systems activities | Road Match | 0m | Onsite |
| 1625 | PORT KEMBLA COAL TERMINAL LIMITED | PORT KEMBLA COAL TERMINAL LIMITED | PORT KEMBLA ROAD | WOLLONGONG | Coal works | Premise Match | 3m | South East |
| 1625 | PORT KEMBLA COAL TERMINAL LIMITED | PORT KEMBLA COAL TERMINAL LIMITED | PORT KEMBLA ROAD | WOLLONGONG | Shipping in bulk | Premise Match | 3m | South East |
| 3578 | AUSTRALIAN AMALGAMATED TERMINALS PTY LIMITED | AAT FACILITY | FARRER ROAD | PORT KEMBLA | Shipping in bulk | Premise Match | 30m | South |
| 218 | SYDNEY WATER CORPORATION | WOLLONGONG SEWAGE TREATMENT SYSTEM | PORT KEMBLA ROAD | WOLLONGONG | Sewage treatment processing by large plants | Premise Match | 421m | North East |
| 3577 | PORT KEMBLA OPERATIONS PTY LIMITED | BERTH 104 | MORTON WAY | PORT KEMBLA | Shipping in bulk | Premise Match | 463m | South |

POEO Licence Data Source: Environment Protection Authority
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