



## 12. Existing investigations

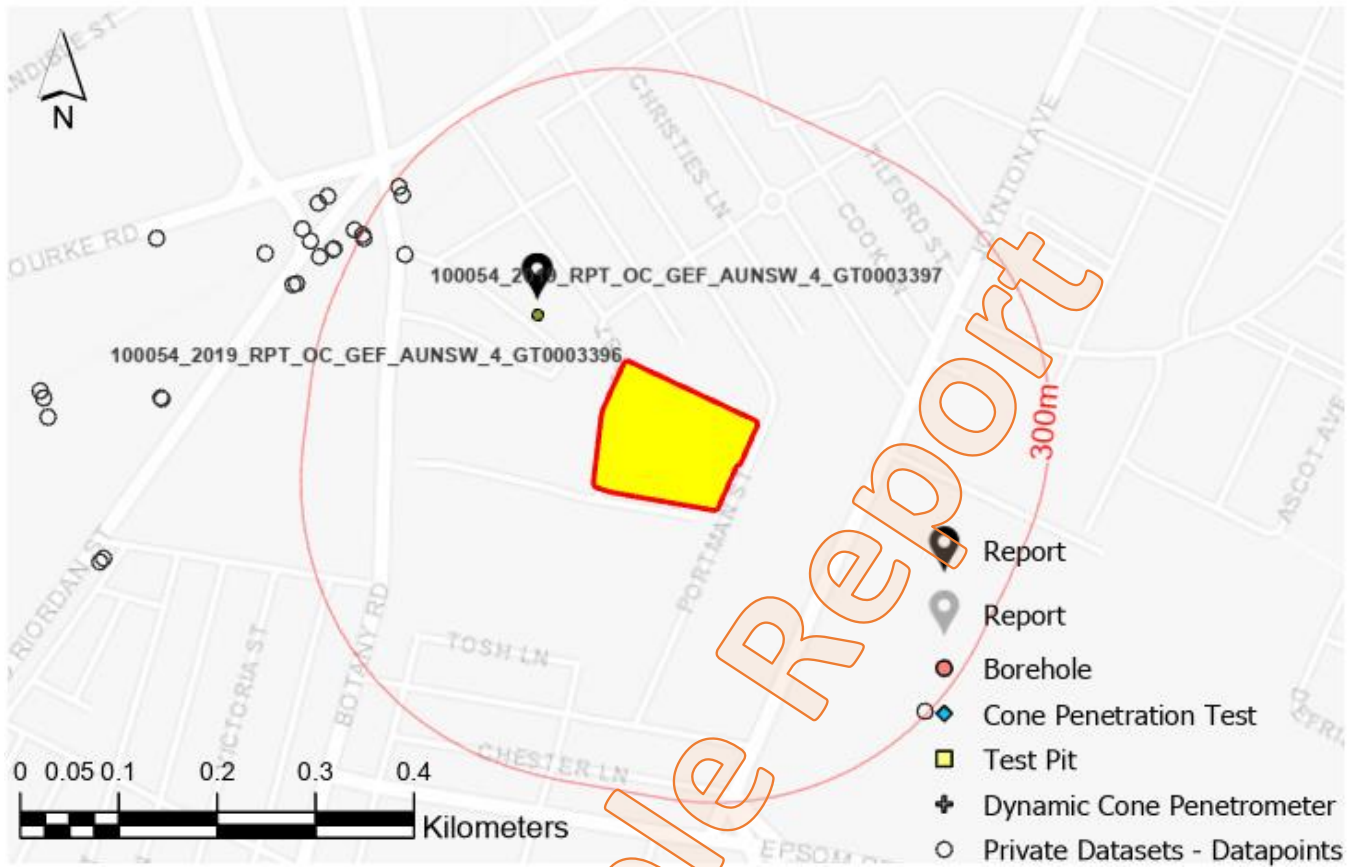


Figure 12.1: Borehole Map

<p><b>About this map</b></p> <p>This map shows where geo-environmental investigation locations have been identified from database searches. Investigations typically comprise boreholes drilled for site investigation purposes and the data shown also includes other types of investigation data such as test pits and cone penetration test (CPT) data.</p>	<p><b>Key Plan</b></p>	<p><b>Source / Licence / Attribution</b></p> <p>Source:1. Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USG AEX, Geomapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community. Source 2: <a href="https://www.georeports.com.au/index.html">https://www.georeports.com.au/index.html</a></p>
--	------------------------	--

**Investigation database - overview**

The above map shows both public investigation data from various sources, and unpublished data held in the GeoReports database. Investigation datapoints typically comprise boreholes, test pits, probe (Cone Penetration Tests, CPTs). Reports may be factual or interpretive and / or contain additional investigation datapoints, laboratory test data or other types of intrusive or geophysical test data.

A summary of available investigation datapoints and reports in the search extent is provided below with a more detailed breakdown on the following page. The quality of third-party investigation data can vary significantly in terms of its age (and associated logging standards), positional accuracy, sampling intensity, depth, institutional environment, dataset accuracy, coherence and interoperability. A quality score which takes into account these 5 considerations has been assigned to each item overleaf using the [GeoReports data quality framework](#) to assist users when assessing the reliability of this information. Conditions are likely to vary between known locations and can also vary with time due to post-investigation disturbance. The sub-surface conditions should be taken as indicative and representative only at investigation locations.

Table 12.1 Summary of records in search extent

Type	Search Radius	No. Records	Comment
Investigation locations - Public	300	0	Downloadable <a href="#">here</a> or <a href="#">GeoDesktop Premium</a>
Investigation locations - Private	300	5	<a href="#">Contact us</a> for insights / assistance
Reports - Public	300	1	<a href="#">Contact us</a> for insights / assistance
Reports - Private	300	0	<a href="#">Contact us</a> for insights / assistance

Note: Multiple datapoints can exist at a single location; the tabulated number of records may exceed the number of points shown in the map.



## 13. Tabulated investigation data

**Table 13.1: Summary of investigation datapoints (Private) within search extent**

Name	Date Logged	Data_Typ	Depth	point_latitud	point_longitu	Description	Excerpt	DataQ...
300006_1995_RDPT_CP_M5	1995	DPT - Datapoint(s) Only		-33.906057	151.202674	New Sthn Rway	City-Mascot-Wollick	3
300006_1995_RDPT_CP_M5	1995	DPT - Datapoint(s) Only		-33.905692	151.203006	New Sthn Rway	City-Mascot-Wollick	3
300017_2014_DPT_CR_CIV_	2014	DPT - Datapoint(s) Only		-33.909671	151.207811		Green Square Drain Upgrade	1
300023_2014_DPT_CR_NSR	1994			-33.906084	151.202685		PB Dataset	
300023_2014_DPT_CR_NSR	1994			-33.905756	151.203038		PB Dataset	
300024_1970_DPT_CR_COM	1970			-33.906207	151.20306		PB Dataset	
300026_1980_DPT_CR_AU	1980			-33.906057	151.202674		Airport	
300026_1980_DPT_CR_AU	1980			-33.905692	151.203006		Airport	

**Table 13.2: Summary of investigation reports (Public) within search extent**

Name	point_latitud	point_longitu	Description	Excerpt	DataQualityS
100054_2019_RPT_OC_GEF_A	-33.906671	151.20427	A collection of NSW geotechnical reports as part of the NSW Government Geotechnical Report Database Project (GGRD).	Drilling located at Zetland Police services centre (Police Department), radio electronic unit, field investigation (Stage 1) - Geotechnical Engineering Group - 27 April 1992 - [Report No. 92HH55]	3
100054_2019_RPT_OC_GEF_A	-33.906671	151.204267	A collection of NSW geotechnical reports as part of the NSW Government Geotechnical Report Database Project (GGRD).	Drilling, Standard Penetration Test (SPT) located at Zetland Police services centre (Police Department), radio electronic unit, field investigation (Stage 2) - Geotechnical Engineering Group - 11 May 1992 - [Report No. 92HH55A]	3

Sample Report

**Table 13.1: Investigation database summary**

Note: Maximum 50 locations included in breakdown. Please contact GeoReports about obtaining more information or advice relating to investigation data in this search extent.  
Refer to Appendix E for Detailed Investigation Borehole Logs (Premium Reports only).



## 14. Groundwater bores

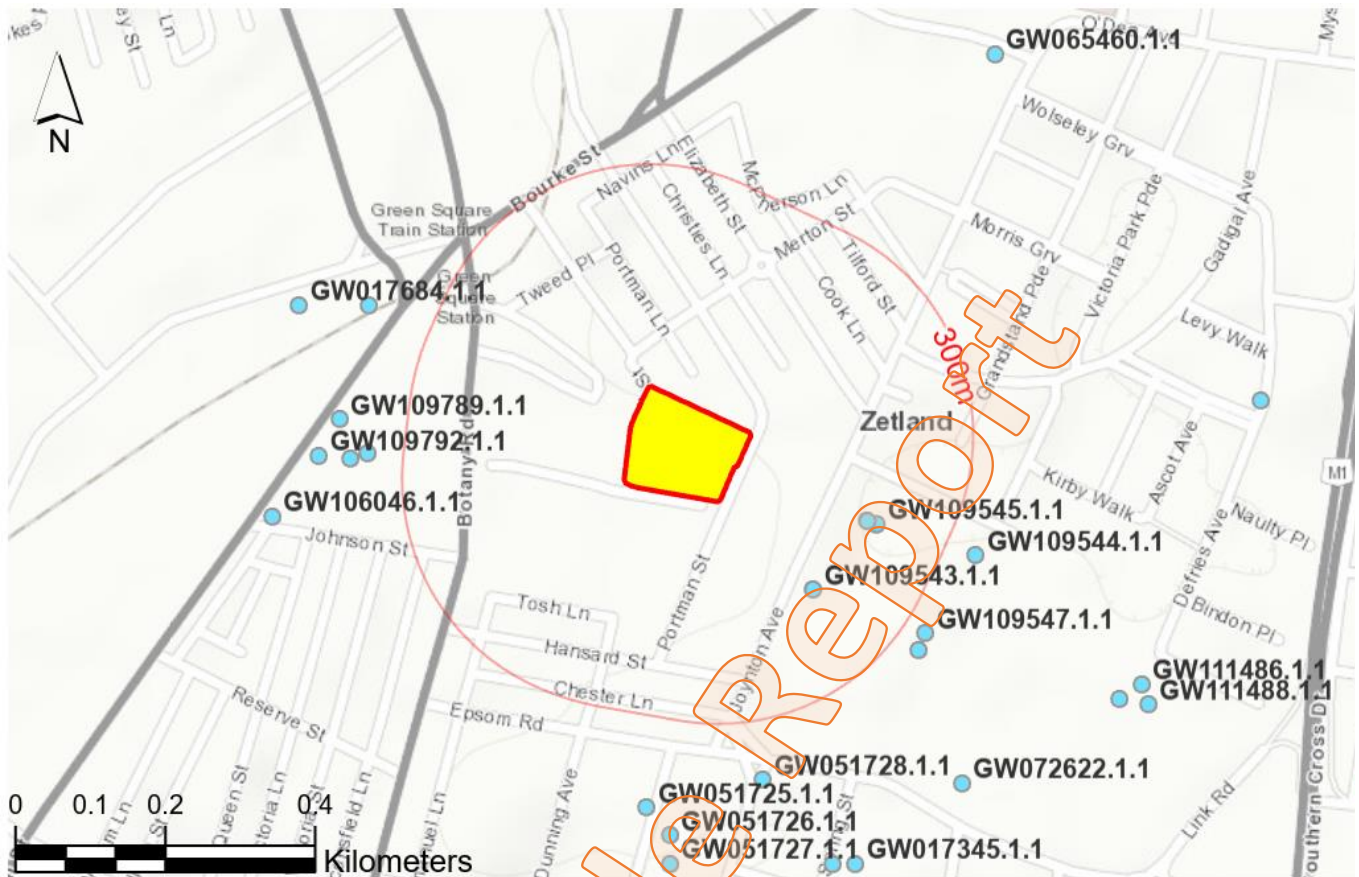
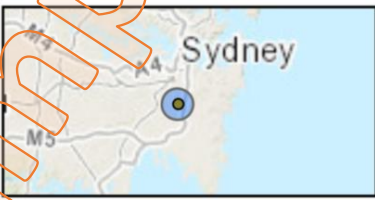



Figure 14.1: Groundwater Bores

<p><b>About this map</b></p> <p>This map identifies land where there is a risk of flooding as designated by the relevant NSW environmental planning instrument (EPI). The specific EPI is described as 0.5m above the 100 year floodplain which covers an area less than, but sometimes more than the Probable Maximum Flood (PMF).</p>	<p><b>Key Plan</b></p> 	<p><b>Source / Licence / Attribution</b></p>  <p>.Source: <a href="https://www.planningportal.nsw.gov.au">https://www.planningportal.nsw.gov.au</a>. © State Government of NSW and Department of Planning and Environment 2014.</p>
---	---	--

**Groundwater bores - overview**

This map shows the location of groundwater bores (also known as wells) within the search extent. Groundwater bores can be installed for a range of reasons including groundwater extraction, recharge or monitoring purposes. WaterNSW holds a database containing over 130,000 groundwater monitoring bore records which typically contain information including drilling records, bore construction details (such well screening details), groundwater yield quantities and sometimes water quality data and descriptions of the soil and rock stratigraphy encountered during bore drilling.

A listing of groundwater bores identified with the search extent is provided on the following page. Summary reports for these groundwater bores are also attached in Appendix F.

Table 14.1 Summary of records in search extent

Type	Search Extent Radius	No. Records
Groundwater Bores	300	3

Note: Multiple datapoints can exist at a single location; the tabulated number of records may exceed the number of points shown in the map.



## 15. Tabulated groundwater bore data

StateBoreID	DrilledDate	Latitude	Longitude	BoreDepth	LandElev	HeightDatum	Link
GW109543	04-06-07 0:00	-33.909028	151.207037	11.3	22.75	AHD	<a href="https://realtimedata.waternsw.com.au/water.stm?ppbm=GW109543&amp;ag&amp;0&amp;agpf_org">https://realtimedata.waternsw.com.au/water.stm?ppbm=GW109543&amp;ag&amp;0&amp;agpf_org</a>
GW109545	06-11-08 0:00	-33.908378	151.207797	13.9	22.26	AHD	<a href="https://realtimedata.waternsw.com.au/water.stm?ppbm=GW109545&amp;ag&amp;0&amp;agpf_org">https://realtimedata.waternsw.com.au/water.stm?ppbm=GW109545&amp;ag&amp;0&amp;agpf_org</a>
GW109504	05-06-07 0:00	-33.908347	151.207689	7.48	22.26	AHD	<a href="https://realtimedata.waternsw.com.au/water.stm?ppbm=GW109504&amp;ag&amp;0&amp;agpf_org">https://realtimedata.waternsw.com.au/water.stm?ppbm=GW109504&amp;ag&amp;0&amp;agpf_org</a>

Sample Report

**Table 15.1: Groundwater Bore Summary**

Note: Maximum 50 locations included in breakdown. Please contact GeoReports about obtaining more information or advice relating to investigation data in this search area.  
Refer to Appendix F for summary reports of these groundwater bores.