

Technical Report G

Contamination and acid sulfate soils impact assessment

Part 3

Appendix B

Desktop Review
Records - Lotsearch



LOTSEARCH

LOTSEARCH ENVIRO LITE

Address: Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Date: 19 Jul 2021 13:27:39

Reference: LS022314 EL

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.

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 in Buffer
Topographic and Cadastre data	State Government Victoria - Department of Environment, Land, Water & Planning	18/06/2021	18/06/2021	Monthly	-	-	-	-
Current EPA Priority Sites	Environment Protection Authority (Vic)	01/07/2021	31/05/2021	Monthly	1000	1	2	3
Former EPA Priority Sites & other Remedial Notices	Environment Protection Authority (Vic)	25/01/2021	25/01/2021	Monthly	1000	14	16	24
EPA PFAS Site Investigations	Environment Protection Authority (Vic)	01/07/2021	18/09/2020	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	01/07/2021	01/07/2021	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	01/07/2021	01/07/2021	Monthly	2000	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	07/07/2021	07/07/2021	Monthly	2000	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	11/05/2021	11/05/2021	Quarterly	2000	0	0	0
EPA Environmental Audit Reports	Environment Protection Authority (Vic)	21/06/2021	21/06/2021	Monthly	1000	5	5	14
EPA Groundwater Zones with Restricted Uses	Environment Protection Authority (Vic)	12/07/2021	12/07/2021	Monthly	1000	0	0	1
Current EPA Licensed Activities	Environment Protection Authority (Vic)	21/06/2021	21/06/2021	Monthly	1000	2	2	4
Former EPA Licensed Activities	Environment Protection Authority (Vic)	21/06/2021	21/06/2021	Monthly	1000	0	0	3
EPA Works Approvals	Environment Protection Authority (Vic)	01/07/2021	01/07/2021	Monthly	1000	3	3	5
National Waste Management Facilities Database	Geoscience Australia	12/05/2021	07/03/2017	Annually	1000	0	0	1
Statewide Waste and Resource Recovery Infrastructure Plan Facilities	State Government Victoria - Department of Sustainability	27/11/2014	31/12/2012	None planned	1000	0	0	1
EPA Prescribed Industrial Waste	Environment Protection Authority (Vic)	12/08/2020	12/08/2020	Quarterly	1000	1	1	9
EPA Victorian Landfill Register	Environment Protection Authority (Vic)	22/04/2021	25/08/2020	Quarterly	1000	0	0	4
Former Gasworks	Various historical sources collated by Lotsearch	15/08/2017	15/08/2017	Not required	1000	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	15/02/2021	15/03/2012	Annually	1000	3	3	4
Historical Business Directories (Premise & Intersection Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	150	0	0	0
Historical Business Directories (Road & Area Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	150	-	19	40
Historical Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	500	0	0	0
Historical Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	500	-	1	11
Features of Interest	State Government Victoria - Department of Environment, Land, Water & Planning	31/05/2021	31/05/2021	Quarterly	1000	7	53	174
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	1
Groundwater Salinity	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	29/08/2012	Unknown	0	2	-	-
Depth to Watertable	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	29/08/2012	Unknown	0	2	-	-

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features in Buffer
Surface Elevation	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	23/09/2013	Unknown	0	1	-	-
Basement Elevation	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	23/09/2013	Unknown	0	1	-	-
Groundwater Boreholes WMIS	State Government Victoria - Department of Environment, Land, Water & Planning	16/02/2021	16/02/2021	Quarterly	2000	8	26	185
Groundwater Boreholes Earth Resources Database	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	20/05/2021	17/02/2010	Annually	2000	0	0	7
Groundwater Boreholes Fed Uni	Federation University Australia	21/12/2017	07/01/2014	As required	2000	3	13	107
Historical Mining Activity - Shafts	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	11/05/2021	11/05/2021	Annually	1000	0	0	0
Geological Units 1:50,000	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	4	-	6
Geological Structures 1:50,000	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	0	-	0
Dykes and Marker Beds 50k	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	0	-	0
Shear zones 250k	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	0	-	0
Atlas of Australian Soils	ABARES	19/05/2017	17/02/2011	As required	1000	3	3	3
Victorian Soil Type Mapping	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	24/08/2017	21/03/2016	Unknown	1000	3	3	3
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	3	3	3
Coastal Acid Sulfate Soils	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	28/03/2017	30/03/2011	None planned	1000	0	1	2
Planning Scheme Zones	State Government Victoria - Department of Environment, Land, Water & Planning	06/07/2021	30/06/2021	Monthly	1000	7	18	78
Planning Scheme Overlay	State Government Victoria - Department of Environment, Land, Water & Planning	06/07/2021	30/06/2021	Monthly	1000	5	8	42
Commonwealth Heritage List	Australian Government Department of Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000	0	0	0
National Heritage List	Australian Government Department of Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000	0	0	0
Victorian Heritage Register	State Government Victoria - Department of Environment, Land, Water & Planning	03/05/2021	03/05/2021	Quarterly	1000	0	0	1
Cultural Heritage Sensitivity	State Government Victoria - Department of Premier and Cabinet	31/05/2021	31/05/2021	Quarterly	1000	3	5	18
Bushfire Prone Area	State Government Victoria - Department of Transport, Planning and Local Infrastructure	03/05/2021	03/05/2021	Quarterly	1000	1	1	1
Fire History	State Government Victoria - Department of Environment, Land, Water & Planning	12/07/2021	30/12/2020	Quarterly	1000	0	0	0
Flood - 1 in 100 Year Modelled Flood Extent	State Government Victoria - Department of Environment, Land, Water & Planning	11/05/2021	05/02/2018	Quarterly	1000	0	1	4
Victorian Coastal Inundation Sea Level Rise	State Government Victoria - Department of Environment, Land, Water & Planning	10/04/2018	24/10/2017	Unknown	1000	0	9	10
Native Vegetation (Modelled 2005 Ecological Vegetation Classes)	State Government Victoria - Department of Environment, Land, Water & Planning	13/01/2015	31/12/2005	None planned	1000	3	4	8
Ramsar Wetland Areas in Victoria	State Government Victoria - Department of Environment, Land, Water & Planning	25/02/2021	13/03/2019	Annually	1000	0	0	1
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	2	2	7
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	2	2	8

Site Diagram

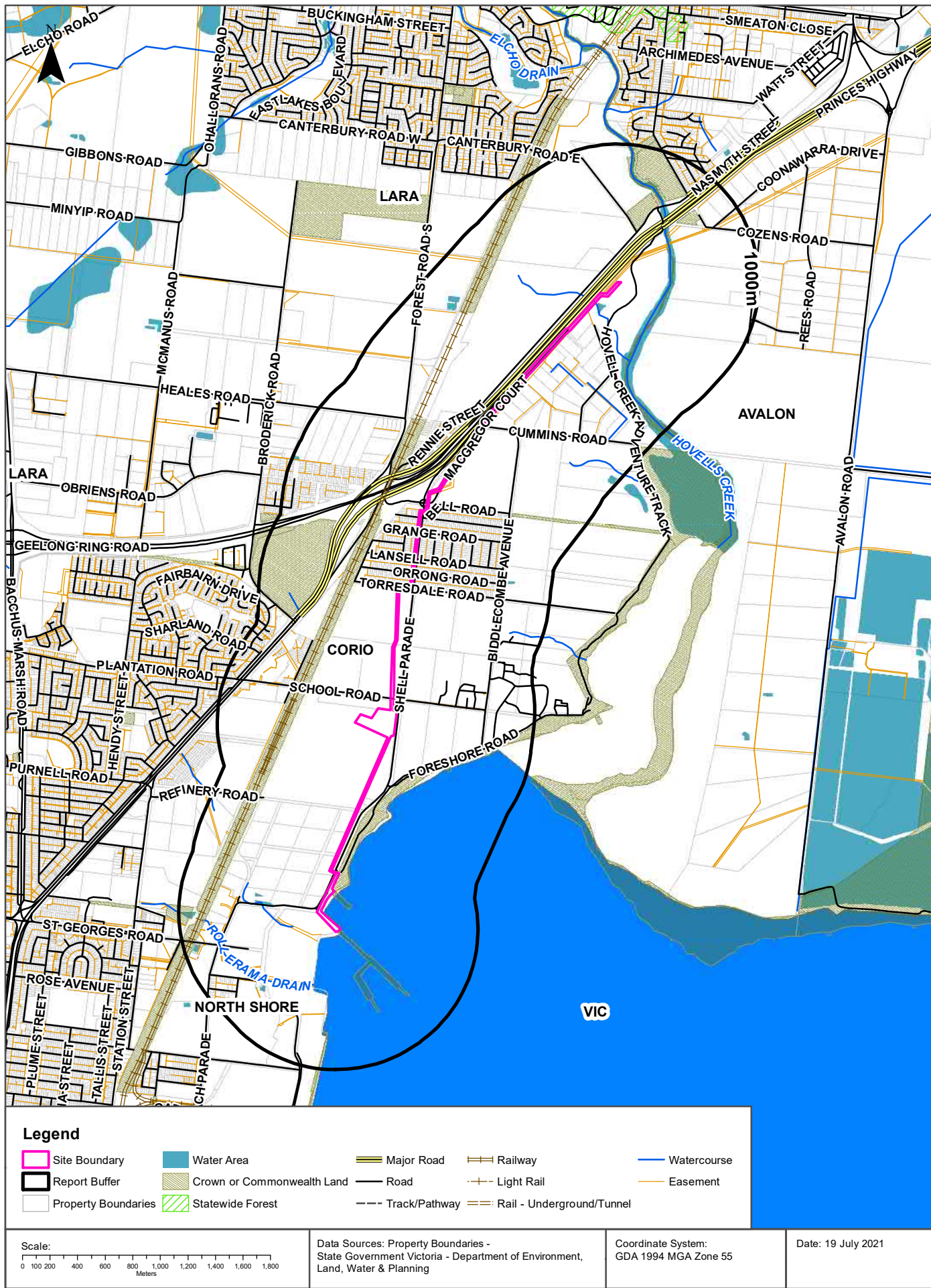
Geelong Refinery, 90 Refinery Road, Corio VIC 3214



<div>Legend</div> <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	<div>Total Area: 151939m²</div> <div>Total Perimeter: 11.77km</div>		<div>Scale:</div> <div><div></div><div>01252505007501,0001,250</div><div>Meters</div></div>	
	<div>Data Sources: Aerial Imagery © Aerometrex Pty Ltd</div>			
	<div>Disclaimers:</div> <div>Measurements are approximate only and may have been simplified or smaller lengths removed for readability.</div>			
	<div>Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.</div>			
	<div>Coordinate System:</div> <div>GDA 1994 MGA Zone 55</div>		<div>Date: 19 July 2021</div>	

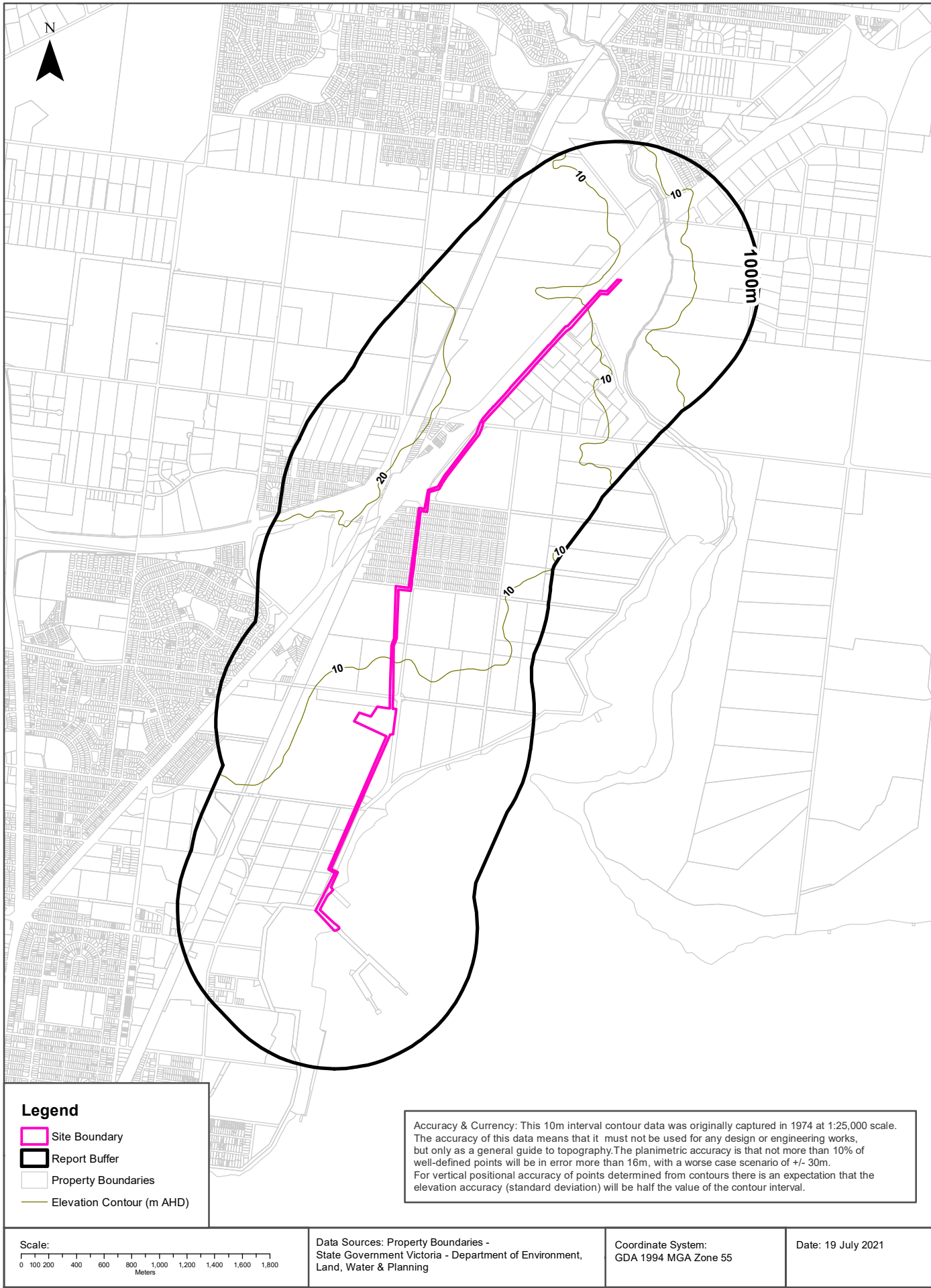
Topographic Data

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



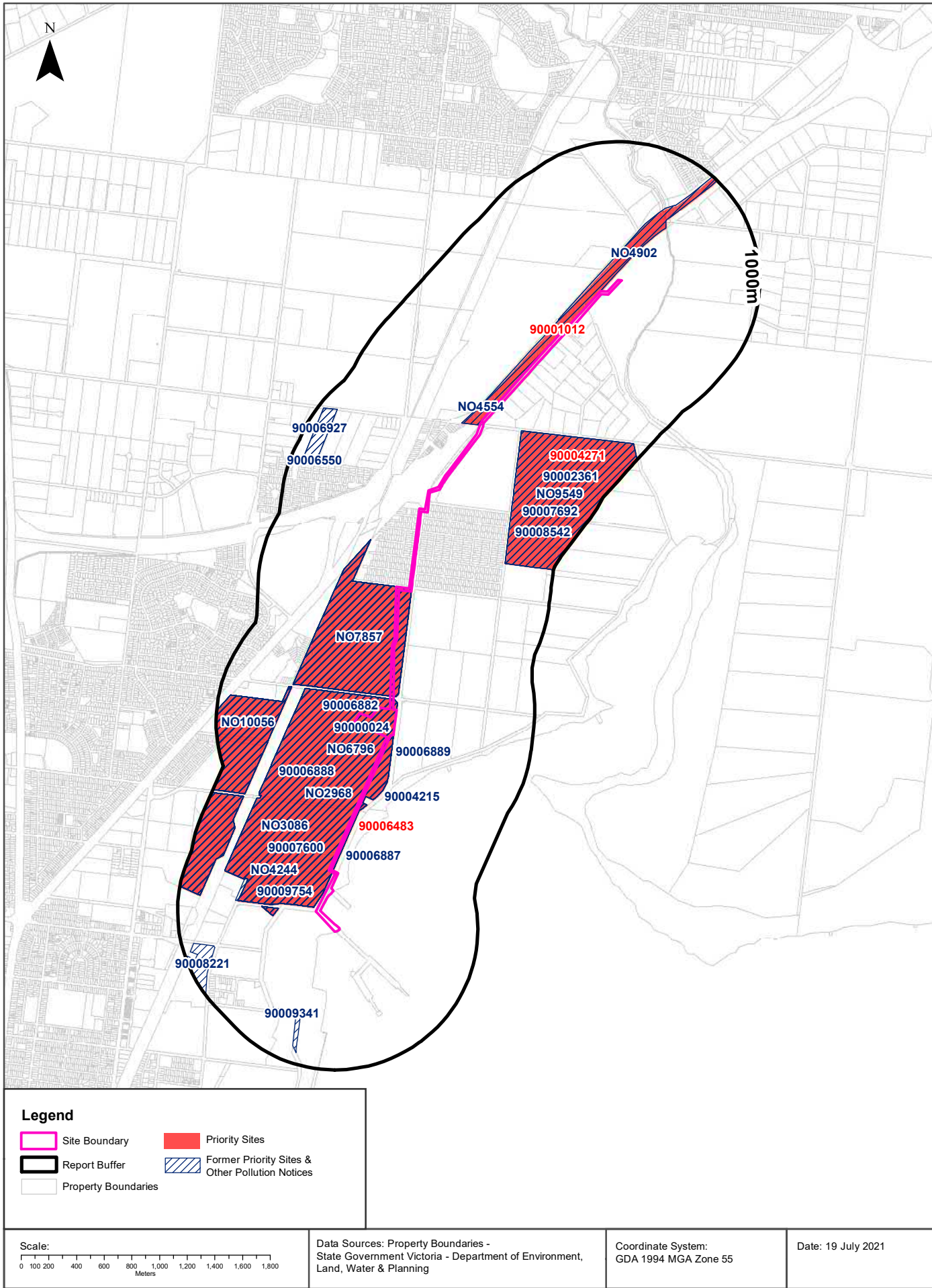
Elevation Contours (m AHD) 10m Interval at 1:25,000

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



EPA Records - Priority Sites & Pollution Notices

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



EPA Priority Sites & Pollution Notices

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Current EPA Priority Sites Register

Sites on the current EPA priority sites register that exist within the dataset buffer:

Notice No	Address	Suburb	Issue	Loc Conf	Dist (m)	Direction
90006483	90 REFINERY RD	CORIO	Current petroleum storage site. Requires ongoing management.	Premise Match	0m	Onsite
90001012	Princes HWY	LARA	Accidental spill/leak (non-industrial site). Requires assessment and/or clean up.	Road Match	0m	North East
90004271	1500 - 1580 BIDDLECOMBE AV	CORIO	Former Landfill. Requires ongoing management.	Premise Match	240m	North East

Priority Sites Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Former EPA Priority Sites & Other Pollution Notices

Sites within the dataset buffer that have been issued a Pollution Notice:

Note. Due to pollution notices being revoked and removed from published lists this is not an exhaustive list of all past pollution notices.

Notice No	Notice Type	Company	Address	Suburb	Status	Issue	Date Issued	Loc Conf	Dist	Dir
NO7857	62A(1)	SHELL REFINING (AUST) P/L	SHELL REFINERY	CORIO	Legacy EPA Database Pollution Notice	Current Industrial Site, Requires assessment and/or clean up.	10/06/2009	Premise Match	0m	Onsite
NO6796	62A(1)	SHELL REFINING (AUST) P/L	SHELL REFINERY	CORIO	Legacy EPA Database Pollution Notice	Current Industrial Site, Requires assessment and/or clean up.	18/12/2007	Premise Match	0m	Onsite
NO4244	62A(1)	SHELL REFINING (AUST) P/L	SHELL REFINERY	CORIO	Legacy EPA Database Pollution Notice	Current Industrial Site, Requires assessment and/or clean up.	13/10/2004	Premise Match	0m	Onsite
NO3086	62A(1)	SHELL REFINING (AUST) P/L	SHELL REFINERY	CORIO	Legacy EPA Database Pollution Notice	Current Industrial Site, Requires assessment and/or clean up.	01/10/2002	Premise Match	0m	Onsite
NO2968	62A(1)	SHELL REFINING (AUST) P/L	SHELL REFINERY	CORIO	Legacy EPA Database Pollution Notice		22/07/2002	Premise Match	0m	Onsite
NO10056	62A(1)	SHELL REFINING (AUST) P/L	SHELL REFINERY	CORIO	Legacy EPA Database Pollution Notice	Current Petroleum Storage Site, Requires ongoing management.	30/11/2011	Premise Match	0m	Onsite
90009754	Clean Up Notice	VIVA ENERGY REFINING PTY LTD [CORIO]	90 REFINERY RD / CORIO	CORIO	Previous Pollution Notice		12/03/2019	Premise Match	0m	Onsite

Notice No	Notice Type	Company	Address	Suburb	Status	Issue	Date Issued	Loc Conf	Dist	Dir
90007600	Pollution Abatement Notice	VIVA ENERGY REFINING PTY LTD [CORIO]	90 REFINERY RD CORIO VIC 3214	CORIO	Previous Pollution Notice		20/03/2017	Premise Match	0m	Onsite
90006889	Pollution Abatement Notice	VIVA ENERGY REFINING PTY LTD [CORIO]	90 REFINERY RD	CORIO	Previous Pollution Notice		22/08/2016	Premise Match	0m	Onsite
90006888	Pollution Abatement Notice	VIVA ENERGY REFINING PTY LTD [CORIO]	90 REFINERY RD	CORIO	Previous Pollution Notice		02/09/2016	Premise Match	0m	Onsite
90006887	Pollution Abatement Notice	VIVA ENERGY REFINING PTY LTD [CORIO]	90 REFINERY RD	CORIO	Previous Pollution Notice		22/08/2016	Premise Match	0m	Onsite
90006882	Clean Up Notice	VIVA ENERGY REFINING PTY LTD [CORIO]	90 REFINERY RD	CORIO	Previous Pollution Notice		12/05/2016	Premise Match	0m	Onsite
90004215	Previous Priority Notice, Clean Up Notice	SHELL REFINING (AUSTRALIA) PROPRIETARY LIMITED [CORIO]	80 REFINERY RD	CORIO	Previous Priority Notice	Current Industrial Site. Requires assessment and/or clean up	24/09/2013	Premise Match	0m	Onsite
90000024	Previous Priority Notice, Clean Up Notice	SHELL REFINING (AUSTRALIA) PROPRIETARY LIMITED [CORIO]	80 REFINERY RD	CORIO	Previous Priority Notice	Current petroleum storage site. Requires ongoing management	30/11/2011	Premise Match	0m	Onsite
NO4902	62A(1)	THE SHELL CO OF AUST LTD	PRINCES HWY (12 KILOMETRE & 15 KILOMETRE MARK)	LARA	Legacy EPA Database Pollution Notice	Accidental Spill/Leak (non-industrial site), Requires assessment and/or clean up.	11/08/2005	Road Match	0m	North East
NO4554	62A(1)	THE SHELL CO OF AUST LTD	PRINCES HWY (12 KILOMETRE & 15 KILOMETRE MARK)	LARA	Legacy EPA Database Pollution Notice		13/05/2004	Road Match	0m	North East
NO9549	31A(1)	GREATER GEELONG CITY COUNCIL	1500-1580 BIDDLECOMBE AV	CORIO	Legacy EPA Database Pollution Notice	Current Landfill, Requires assessment and/or clean up.	05/07/2011	Premise Match	240m	North East
90008542	Previous Priority Notice		Bell Rd	CORIO	Previous Priority Notice	Former Landfill. Requires assessment and/or clean up.		Premise Match	240m	North East
90007692	Previous Priority Notice		1500 - 1580 BIDDLECOMBE AV	CORIO	Previous Priority Notice	Former Landfill. Requires ongoing management.		Premise Match	240m	North East
90002361	Previous Priority Notice, Pollution Abatement Notice	GREATER GEELONG CITY COUNCIL [CORIO]	1500 Biddlecombe AV	CORIO	Previous Priority Notice	Current landfill. Requires assessment and/or clean up	05/07/2011	Premise Match	240m	North East
90009341	Clean Up Notice	Greater Geelong City Council [NTH SHORE]	Allotment 2013 (Road Parcel)	NORTH SHORE	Previous Pollution Notice		30/11/2018	Road Match	630m	South
90008221	Previous Priority Notice		121 - 171 SEABEACH PDE	NORTH SHORE	Previous Priority Notice	Former Industrial Site. Requires assessment and/or clean up.		Premise Match	775m	South West
90006927	Pollution Abatement Notice	Ameropa Australia Pty Ltd [CORIO]	55 HEALES RD	CORIO	Previous Pollution Notice		13/05/2016	Premise Match	821m	North West
90006550	Pollution Abatement Notice	Impact Fertilisers Pty Ltd [CORIO]	55 Heales Rd.	CORIO	Previous Pollution Notice		10/12/2015	Premise Match	821m	North West

Pollution Notice Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

PFAS Investigation & Management Programs

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

EPA PFAS Site Investigations

Sites being investigated by the EPA for PFAS contamination within the dataset buffer:

Map ID	Site Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

EPA PFAS Site Investigations Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Defence PFAS Investigation & Management Program Investigation Sites

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

Defence PFAS Investigation & Management Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Investigation & Management Program Management Sites

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

Defence PFAS Investigation & Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Location Confidence	Distance	Direction
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Defence 3 Year Regional Contamination Investigation Program

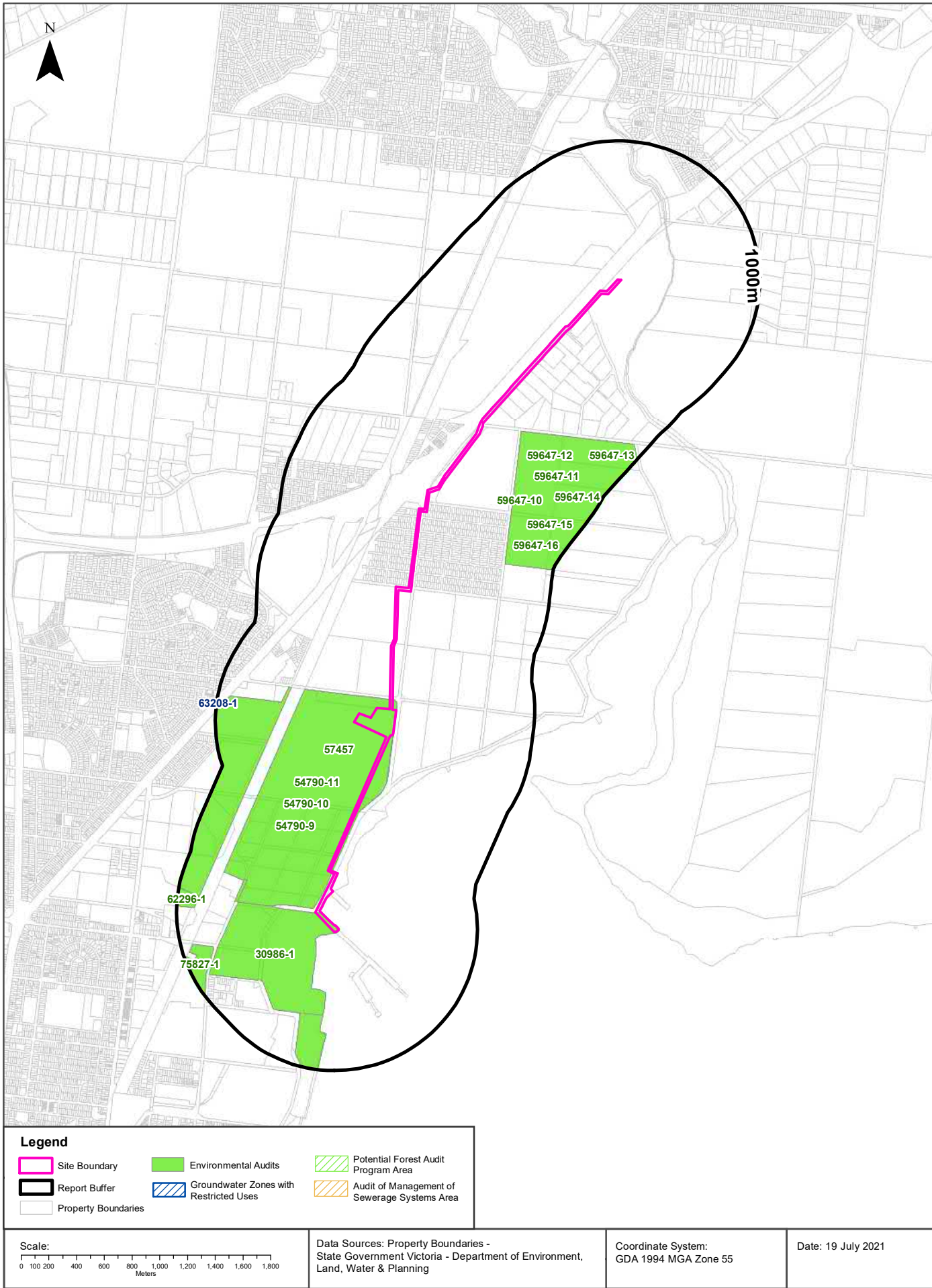
Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

EPA Records - Audit Reports & GQRUZ

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



EPA Records

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

EPA Environmental Audits

EPA environmental audit records that exist within the dataset buffer:

Note. Please click on CARMS No. to activate a hyperlink to online documentation. If link does not work, documentation may still be accessible via the EPA Interaction Portal.

CARMS No	Transaction No	Site	Address	Suburb	Date Complete	Audit Category	Loc Conf	Distance	Direction
57457	8001994	SHELL GEELONG REFINERY REFINERY ROAD	SHELL GEELONG REFINERY REFINERY ROAD	CORIO	31/03/2005	53X Statement	Premise Match	0m	Onsite
54790-9	8003988	SHELL GEELONG REFINERY REFINERY ROAD	SHELL GEELONG REFINERY REFINERY ROAD	Corio	30/09/2014	53V Audit recommendations	Premise Match	0m	Onsite
54790-10	8004955	REFINERY RD, CORIO VIC 3214 REFINERY RD	REFINERY RD, CORIO VIC 3214 REFINERY RD, CORIO	CORIO	24/10/2016	53V Audit recommendations	Premise Match	0m	Onsite
54790-11	8006197	VIVA ENERGY AUSTRALIA GEELONG REFINERY 1 REFINERY RD	VIVA ENERGY AUSTRALIA GEELONG REFINERY 1 REFINERY RD	CORIO	19/12/2019	53V Audit recommendations	Premise Match	0m	Onsite
30986-1	8000538	PORT OF GEELONG PORT OF GEELONG GEELONG VIC 3220	North Shore Area, Lascelles Wharf, Corio Quay, Barrett Burston Land, Rippleside Area, Point Henry Land	GEELONG	31/01/1997	53X Statement	Premise Match	0m	Onsite
59647-16	8005760	1500-1580 BIDDLECOMBE AV, CORIO VIC 3214 1500-1580 BIDDLECOMBE AV	1500-1580 BIDDLECOMBE AV, CORIO VIC 3214 1500-1580 BIDDLECOMBE AV	CORIO	29/11/2019	53V Audit recommendations	Premise Match	240m	North East
59647-11	8004346	1500-1580 BIDDLECOMBE AVENUE CORIO LANDFILL	1500-1580 BIDDLECOMBE AVENUE CORIO LANDFILL	Corio	28/08/2014	53V Audit recommendations	Premise Match	240m	North East
59647-12	8004510	CORIO LANDFILL 1500-1800 BIDDLECOMBE AV	CORIO LANDFILL 1500-1800 BIDDLECOMBE AV	CORIO	16/09/2019	53V No audit recommendations	Premise Match	240m	North East
59647-13	8004633	CORIO LANDFILL 1500-1580 BIDDLECOMBE AV	CORIO LANDFILL 1500-1580 BIDDLECOMBE AV	CORIO	25/09/2015	53V Audit recommendations	Premise Match	240m	North East
59647-14	8004989	CORIO LANDFILL 1500-1580 BIDDLECOMBE AV	CORIO LANDFILL 1500-1580 BIDDLECOMBE AV	CORIO	07/10/2016	53V Audit recommendations	Premise Match	240m	North East
59647-15	8005386	1500-1580 BIDDLECOMBE AV, CORIO VIC 3214 1500-1580 BIDDLECOMBE AV		CORIO	26/10/2017	53V Audit recommendations	Premise Match	240m	North East
59647-10	8004170	CORIO LANDFILL 1500-1800 BIDDLECOMBE AV	CORIO LANDFILL 1500-1800 BIDDLECOMBE AV, CORIO	CORIO	11/01/2017	53V Audit recommendations	Premise Match	503m	North East
75827-1	8005730	FORMER FORD GEELONG CASTING PLANT 121-171 SEABEACH PDE	FORMER FORD GEELONG CASTING PLANT 121-171 SEABEACH PDE	NORTH SHORE	29/10/2018	53V Audit recommendations	Premise Match	775m	South West

CARMS No	Transaction No	Site	Address	Suburb	Date Complete	Audit Category	Loc Conf	Distance	Direction
62296-1	8002424	PROPOSED NORTHERN WATER RECLAMATION PLANT, SHELL REFINERY	PROPOSED NORTHERN WATER RECLAMATION PLANT, SHELL REFINERY	CORIO	26/11/2009	53X Statement	Premise Match	846m	South West

Environmental Audit Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

EPA Records

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

EPA Groundwater Zones with Restricted Uses

EPA GQRUZ records that exist within the dataset buffer:

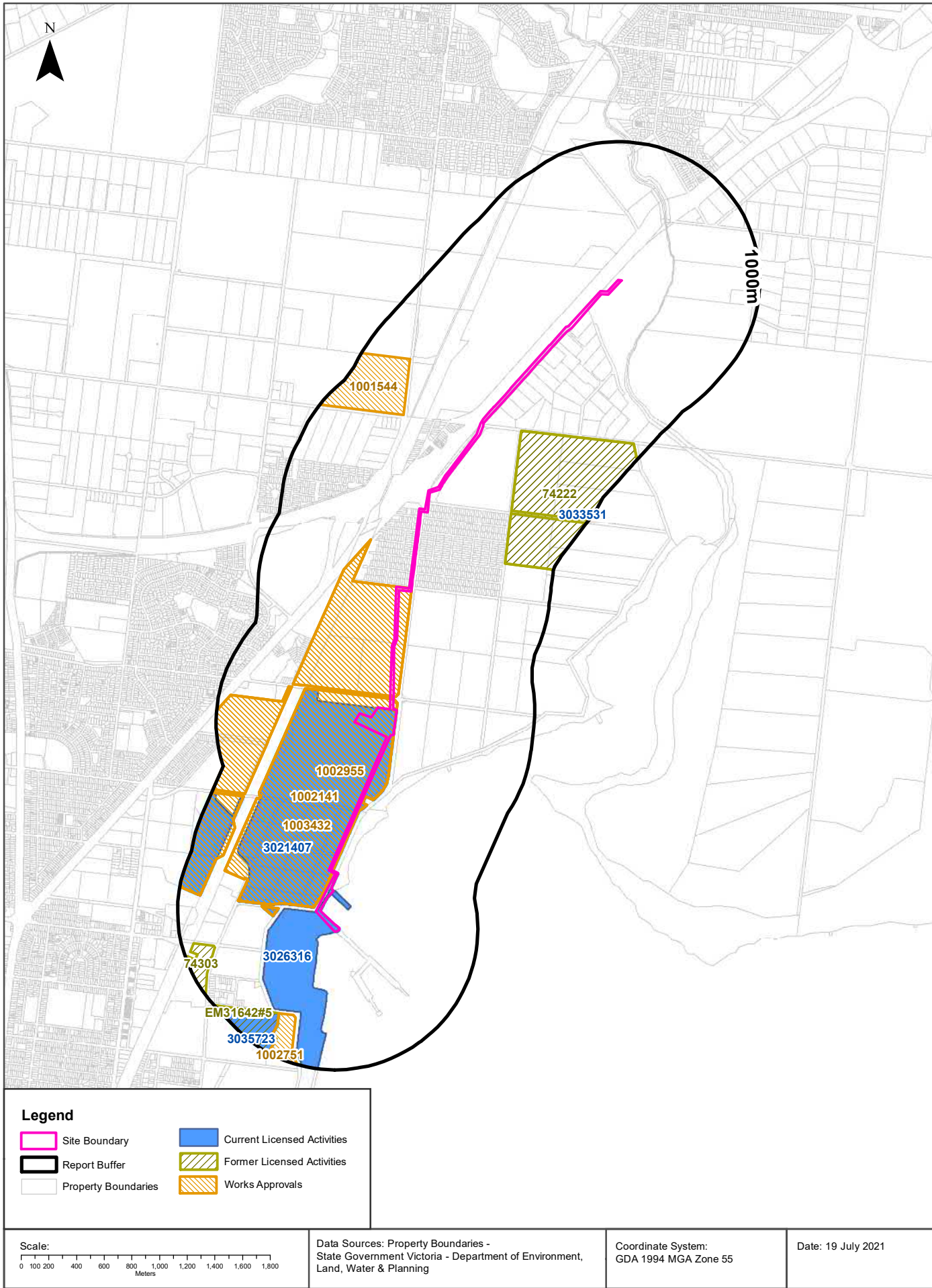
Note. Please click on CARMS No. to activate a hyperlink to online documentation.

CARMS No	EPA Id	Site History	Site Address	Restricted Uses	Status	Loc Conf	Distance	Direction
63208-1	7001003	Service station/fuel storage	391 - 395 PRINCES HWY CORIO VIC 3214	Drinking water Livestock water supply Water used for industrial purposes Water used for recreational purposes (e.g. swimming)	Current EPA list	Premise Match	982m	West

Environmental GQRUZ Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

EPA Records - Licensed Activities & Works Approvals

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



EPA Activities

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

EPA Licensed Activities

EPA licensed activities that exist within the dataset buffer:

Trans No	Licence No	Licence Type	Organisation	Premise Ref	Premise Address 1	Premise Address 2	Activities	Loc Conf	Dist (m)	Direction
3021407	46555	Licence	VIVA ENERGY REFINING PTY LTD [CORIO]		80 REFINERY RD	CORIO VIC 3214	G03 Oil and Gas Refining	Premise Match	0m	Onsite
3026316	16136	Licence	TERMINALS PTY LTD [CORIO]		40 WHARF RD	CORIO VIC 3214	G04 Bulk Storage	Premise Match	0m	Onsite
3035723	2435	Licence	INFRABUILD WIRE PTY LTD [NORTH SHORE]		1-35 MADDEN AV	NORTH SHORE VIC 3214	I03 Metal Galvanizing	Premise Match	716m	South West
3035351	74296	Amalgamated licence	EDL LFG (VIC) PTY LTD	69044	BELL RD	CORIO VIC 3214	A08 Waste to Energy	Premise Match	916m	North East

Licensed Activity Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Former EPA Licensed Activities

Former EPA licensed activities that exist within the dataset buffer:

Licence No	Organisation	Premise Address	Suburb	Activities	Loc Conf	Dist (m)	Direction
74222	GREATER GEELONG CITY COUNCIL	1500-1580 BIDDLECOMBE AV	CORIO VIC 3214	A01 Prescribed Industrial Waste Management; A05 Landfills; A07 Composting	Premise Match	240m	North East
EM31642#5	ONESTEEL WIRE PTY LIMITED [NORTH SHORE]	1-35 Madden Av	NORTH SHORE VIC 3214	I03 Metal Galvanizing	Premise Match	716m	South West
74303	FORD MOTOR COMPANY OF AUSTRALIA LIMITED	121-171 SEABEACH PDE	NORTH SHORE VIC 3214	I02 Metal Melting Works	Premise Match	775m	South West

Former Licensed Activity Data Custodian: State Government Victoria - Environmental Protection Authority (EPA)

EPA Works Approvals

EPA works approvals that exist within the dataset buffer:

Transaction No	Status	Approval No	Organisation	Premise Address	Suburb	Scheduled Categories	Loc Conf	Dist (m)	Direction
1002141	Approved/Issued		VIVA ENERGY REFINING PTY LTD [CORIO]	80 Refinery Road	CORIO	Installation of crude oil storage tank – capacity 100,000 cubic metres	Premise Match	0m	Onsite
1002955	Approved/Issued		VIVA ENERGY REFINING PTY LTD [CORIO]	90 Refinery Road	CORIO	Construction of floating roof gasoline tank	Premise Match	0m	Onsite

Transaction No	Status	Approval No	Organisation	Premise Address	Suburb	Scheduled Categories	Loc Conf	Dist (m)	Direction
1003432	Approved/ Issued		VIVA ENERGY REFINING PTY LTD [CORIO]	90 Refinery Road Corio 3214	CORIO	bitumen storage and construction of distribution pipework.	Premise Match	0m	Onsite
1001544	Approved/ Issued	102836	SNF (AUSTRALIA) PTY LTD [LARA]	270-298 BRODERICK RD LARA VIC 3212	LARA	G01 Chemical Works	Premise Match	506m	North
1002751	Approved/ Issued	149284	BORAL CEMENT LIMITED [NORTH SHORE]	37-65 Walchs Road, North Shore	NORTH SHORE	H01 Non-Metalic Minerals (Cement)	Premise Match	673m	South

Works Approvals Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Waste Management Facilities & Landfills

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Waste Management Facilities & Landfills

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

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
666	Greater Geelong City Council	Corio Landfill	Bell Road	Corio	Landfill	Operational				Premise Match	240m	North East

Waste Management Facilities Data Source: Australian Government Geoscience Australia

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Statewide Waste and Resource Recovery Infrastructure Plan Facilities

Statewide Waste and Resource Recovery Infrastructure Plan Facilities within the dataset buffer:

Map Id	Owner	Site Name	Address	Suburb	Category	Sub Category	Loc Conf	Distance	Direction
77	Sita	Sita	35 Heales Rd	Lara	Commercial & Industrial	C&I Recovery	Premise Match	651m	North West

SWRRIPF Data Source: State Government Victoria - Department of Sustainability

EPA Prescribed Industrial Waste

EPA Prescribed Industrial Waste treaters, disposers and permitted transporters within the dataset buffer:

Map Id	Company Name	Address	Suburb	Treatment/Disposal	Transport	Accredited Agent	EPA List Status	Loc Conf	Dist' (m)	Direct
957	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD [CORIO]	SHELL REFINERY REFINERY RD	CORIO VIC 3214	No	Yes	Yes	Current EPA List	Premise Match	0m	Onsite
263	GREATER GEELONG CITY COUNCIL [CORIO]	1500-1580 BIDDLECOMBE AV	CORIO VIC 3214	Yes	No	No	Previous EPA List	Premise Match	240m	North East
1404	THE GREATER GEELONG CITY COUNCIL [CORIO]	1500-1580 BIDDLECOMBE AV	CORIO VIC 3214	Yes	No	No	Previous EPA List	Premise Match	240m	North East
1604	SUEZ RECYCLING & RECOVERY PTY LTD [CORIO]	35 HEALES RD	CORIO VIC 3214	No	Yes	No	Current EPA List	Premise Match	651m	North West
2973	MCNIVEN, WILLIAM [LARA]	35 HEALES RD	CORIO VIC 3214	No	Yes	No	Current EPA List	Premise Match	651m	North West
1898	JLC Waste Pty Ltd	35 HEALES ROAD	CONO VIC	No	Yes	No	Previous EPA List	Premise Match	651m	North West
1159	CANDARA PTY LTD	35 HEALES RD	CORIO VIC 3214	No	Yes	No	Previous EPA List	Premise Match	651m	North West
550	SITA AUST PTY LTD [CORIO]	35 HEALES RD	CORIO VIC 3214	No	Yes	No	Previous EPA List	Premise Match	651m	North West
3110	NEW ENERGY LOGISTICS PTY LTD [CORIO]	BRODERICK ROAD	CORIO VIC 3214	No	Yes	No	Current EPA List	Road Match	751m	North West

Prescribed Industrial Waste Data Source: State Government Victoria - Environment Protection Authority (EPA)

Waste Management Facilities & Landfills

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

EPA Victorian Landfill Register

EPA Victorian Landfill Register sites within the dataset buffer:

Landfill Register No.	Site	Address	Operating Status	Est. Year Of Closure	Waste type	Loc Conf	Dist' (m)	Direction
11077	Not available	1500-1580 Biddlecombe Avenue, Corio, VIC 3214	Closed	2011	Asbestos, Contaminated soil (Cat C), Tyres (shredded), Solid inert waste, Putrescible waste, Tannery & wool scouring waste, Commercial food waste, Green waste	As Supplied	240m	North East
10261	Not available	End of St Georges Road, North Shore, VIC 3214	Closed	1978	Putrescible waste	As Supplied	314m	South
10512	Aust Wire Industries	Walchs Road, North Shore, VIC 3214	Closed	1994	PIW	As Supplied	673m	South
10483	Not available	Shell Refinery, Refinery Road, Corio, VIC 3214	Closed	1997	Not available	As Supplied	786m	South West

EPA Victorian Landfill Register Data Source: State Government Victoria - Environment Protection Authority (EPA)

Former Gasworks & Liquid Fuel Facilities

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Former Gasworks and Liquid Fuel Facilities

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Former Gasworks

Former Gasworks identified from various historical sources within the dataset buffer:

Note - As this is a dataset collated from various historical sources, it is not an exhaustive list of all former Gasworks

Map Id	Site Name	Date Opened	Year Closed	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Collated from various historical sources

National Liquid Fuel Facilities

National Liquid Fuel Facilities within the dataset buffer:

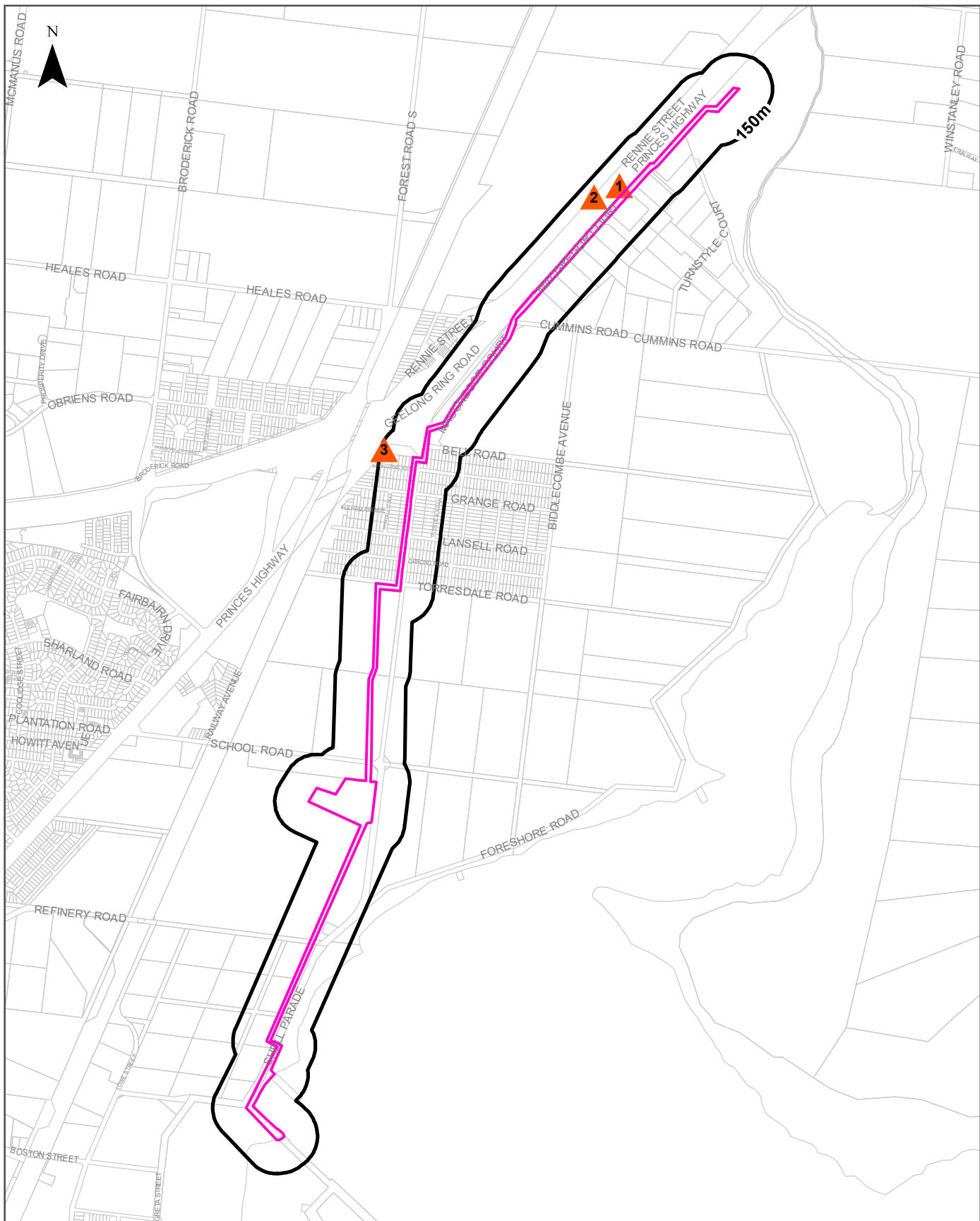
Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist (m)	Direction
2	Shell	Geelong	Refinery Road	Corio	Fuel Refinery	Operational	Shell	15/03/2012	Premise Match	0m	Onsite
9	Shell	Geelong	Corio Refinery	Corio	Fuel Terminal	Operational	Shell	11/06/2012	Premise Match	0m	Onsite
13	Terminals Pty Ltd	Geelong	40 Wharf Road	Corio	Fuel Terminal	Operational	Terminals Pty Ltd	11/06/2012	Premise Match	0m	Onsite
562	Caltex	Caltex Safeway Corio	446 Princes Highway	Corio	Petrol Station	Operational		25/07/2011	Premise Match	744m	West

National Liquid Fuel Facilities Data Source: Geoscience Australia

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Historical Business Directories

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Legend		Scale: 0 330 660 990 1,320 Meters	Coordinate System: GDA 1994 MGA Zone 55
Site Boundary	Business directory records mapped to a specific premise		Date: 19 July 2021
Buffer 150m	Business directory records mapped to a road intersection	Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018 Sands & McDougall's Directory - Digitised by State Library Victoria Property Boundaries © State Government Victoria - Dept. of Environment, Land, Water & Planning 2021	
Property Boundary	Business directory records mapped to a road corridor		
Business directory records mapped to a general area			

Historical Business Directories

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Business Directory Records 1905-1991 Premise or Road Intersection Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1980, 1970, 1960, 1950, 1945, 1925 & 1905, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
	No records in buffer						

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Business Directory Records 1905-1991

Road or Area Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1980, 1970, 1960, 1950, 1945, 1925 & 1905, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

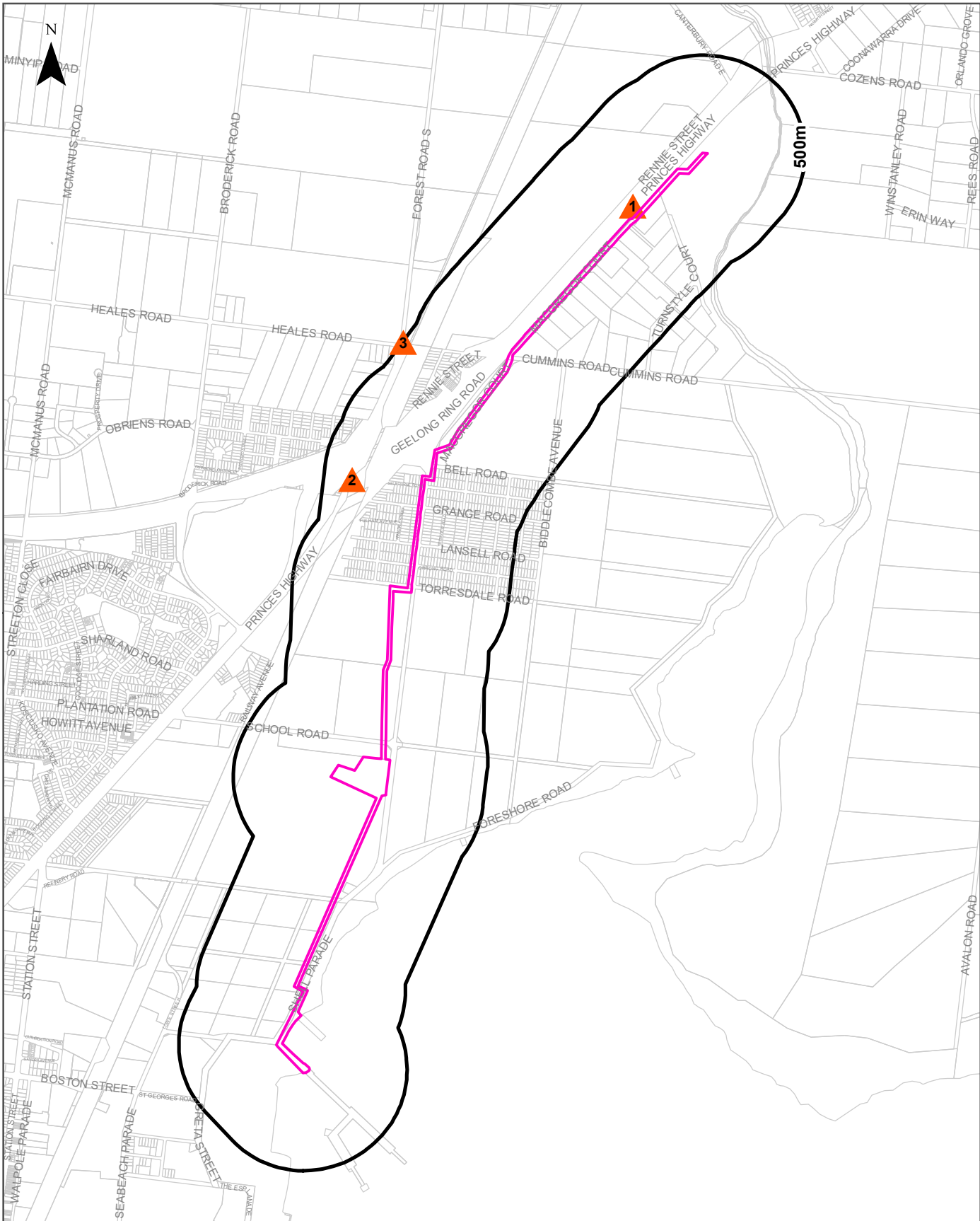
Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	Garden Supplies - Retail	Lara Plant Farm., Princes H'Way. Lara. 3212	61458	1991	Road Match	0m
	Nurserymen	Lara Plant Farm., Princes H'Way. Lara. 3212	63931	1991	Road Match	0m
	Tourist Attractions	Lara Plant Farm., Princes H'Way. Lara. 3212	65879	1991	Road Match	0m
	Not Listed	Mclean R. J. Bldr., 1 Princes H'way., Lara. 3212.	61745	1980	Road Match	0m
	MOTOR SERVICE STATIONS	Cochrane's Avalon Motors, Prince's H'way., Lara.	155864	1960	Road Match	0m
2	Government Departments	Lara Police Station., Rennie St. Lara. 3212	61615	1991	Road Match	74m
	Not Listed	Bate. A. Plmbr., Rennie St., Lara. 3212	61707	1980	Road Match	74m
	Not Listed	Police Station., Rennie St., Lara. 3212.	61753	1980	Road Match	74m
	Not Listed	Wilson C. Carrier., Rennie St., Lara. 3212.	61773	1980	Road Match	74m
	CARRIERS & CARTAGE CONTRACTORS	Bate. E., Rennie St Lara Lara & Lara Lake	5461	1970	Road Match	74m
	POULTRY PRODUCERS	Olive Bros., Rennie St Lara Lara & Lara Lake	5544	1970	Road Match	74m
	GOVERNMENT DEPARTMENTS	Police Victoria Police Station., Rennie St Lara Lara & Lara Lake	5494	1970	Road Match	74m
	CARRIERS & CARTAGE CONTRACTORS	Wilson. C., Rennie St Lara Lara & Lara Lake	5465	1970	Road Match	74m
	CARRIERS & CARTAGE CONTRACTORS	Bate. E., Rennie St., Lara, Lara & Lara Lake.	155826	1960	Road Match	74m
	BUILDERS IRONWORK	De Keyser, J., Rennie St., Lara, Lara & Lara Lake.	155822	1960	Road Match	74m
	GATE & FENCING MANUFACTURERS	De Keyser, J., Rennie St., Lara, Lara .	155843	1960	Road Match	74m
	WELDERS, ELECTRIC & OXY ACETYLENE	De Keyser, J., Rennie St., Lara, Lara .	155877	1960	Road Match	74m
	WROUGHT IRON WORKERS	De Keyser, J., Rennie St., Lara, Lara .	155879	1960	Road Match	74m
	CARRIERS & CARTAGE CONTRACTORS	Wilson, C., Rennie St., Lara, Lara & Lara Lake.	155831	1960	Road Match	74m
3	MOTOR OIL & SPIRIT MERCHANTS	Bolton. R W., & Sons Pty. Ltd. (Agents Ampol).,Melbourne Rd Corio Geelong	3179	1970	Road Match	113m
	MOTOR OIL & SPIRIT MERCHANTS	BP Australia Ltd., Melbourne Rd Corio Geelong	3178	1970	Road Match	113m
	MOTELS	Corio Bay Motel., Melbourne Rd Corio Geelong	2923	1970	Road Match	113m
	MOTOR SERVICE STATIONS	Corio Service Station., Melbourne Rd Corio Geelong	3312	1970	Road Match	113m
	MOTOR GARAGES & ENGINEERS	Corio Service Station., Melbourne Rd, Corio Geelong	3105	1970	Road Match	113m
	CONFECTIONERY SHOPS & MILK BARS	Lister's Snack Bar., Melbourne Rd Corio Geelong	1210	1970	Road Match	113m
	MOTOR GARAGES AND ENGINEERS	Lyle Motors., Melbourne Rd Corio Geelong	3135	1970	Road Match	113m
	MOTOR SERVICE STATIONS	Lyle Motors., Melbourne Rd Corio Geelong	3351	1970	Road Match	113m
	CAFES RESTAURANTS ETC.	Oasis Service Station., Melbourne Rd Corio Geelong	780	1970	Road Match	113m
	MOTOR SERVICE STATIONS	Oasis Service Station., Melbourne Rd Corio Geelong	3366	1970	Road Match	113m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
3	MOTELS	Corio Bay Motel, Melbourne Rd., Corio, Geelong.	140643	1960	Road Match	113m
	MOTOR SERVICE STATIONS PETROL, ETC.	Corio Service Station, Melbourne Rd., Corio., Geelong.	140915	1960	Road Match	113m
	MOTOR GARAGES & ENGINEERS	Corio Service Station. Melbourne Rd., Corio., Geelong.	140756	1960	Road Match	113m
	MOTOR CAR & TRUCK DEALERS -NEW & USED	Gibbs Auto Service, Melbourne Rd., Corio , Geelong.	140704	1960	Road Match	113m
	MOTOR SERVICE STATIONS PETROL, ETC.	Gibbs Auto Service, Melbourne Rd., Corio , Geelong.	140927	1960	Road Match	113m
	CONFECTIONERY SHOP& & MILK BARS	Lister's Snack Bar Melbourne Rd. Corio, Geelong.	139130	1960	Road Match	113m
	CAFES, RESTAURANTS, ETC.	Lister's Snack Bar, Melbourne Rd., Corio, Geelong.	138730	1960	Road Match	113m
	MOTOR GARAGES & ENGINEERS	Corio Service Station (N. P. Shaw), Melbourne Rd. Corio. Geelong	90548	1950	Road Match	113m
	MOTOR PAINTERS	Corio Service Station (N. P. Shaw), Melbourne Rd. Corio. Geelong	90609	1950	Road Match	113m
	MOTOR PANEL BEATERS	Corio Service Station (N. P. Shaw), Melbourne Rd. Corio. Geelong	90622	1950	Road Match	113m
	MOTOR, TRIMMERS	Corio Service Station (N. P. Shaw), Melbourne Rd. Corio. Geelong	90723	1950	Road Match	113m

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Dry Cleaners, Motor Garages & Service Stations

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Legend

- Site Boundary
- Buffer 500m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale:

0 300 750 1,140 1,520
Meters

Coordinate System:
GDA 1994 MGA Zone 55

Date: 19 July 2021

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
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Property Boundaries © State Government Victoria - Dept. of Environment, Land, Water & Planning 2021

Historical Business Directories

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from Sands & McDougall's Directories and UBD Business Directories, mapped to a premise or road intersection within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
	No records in buffer						

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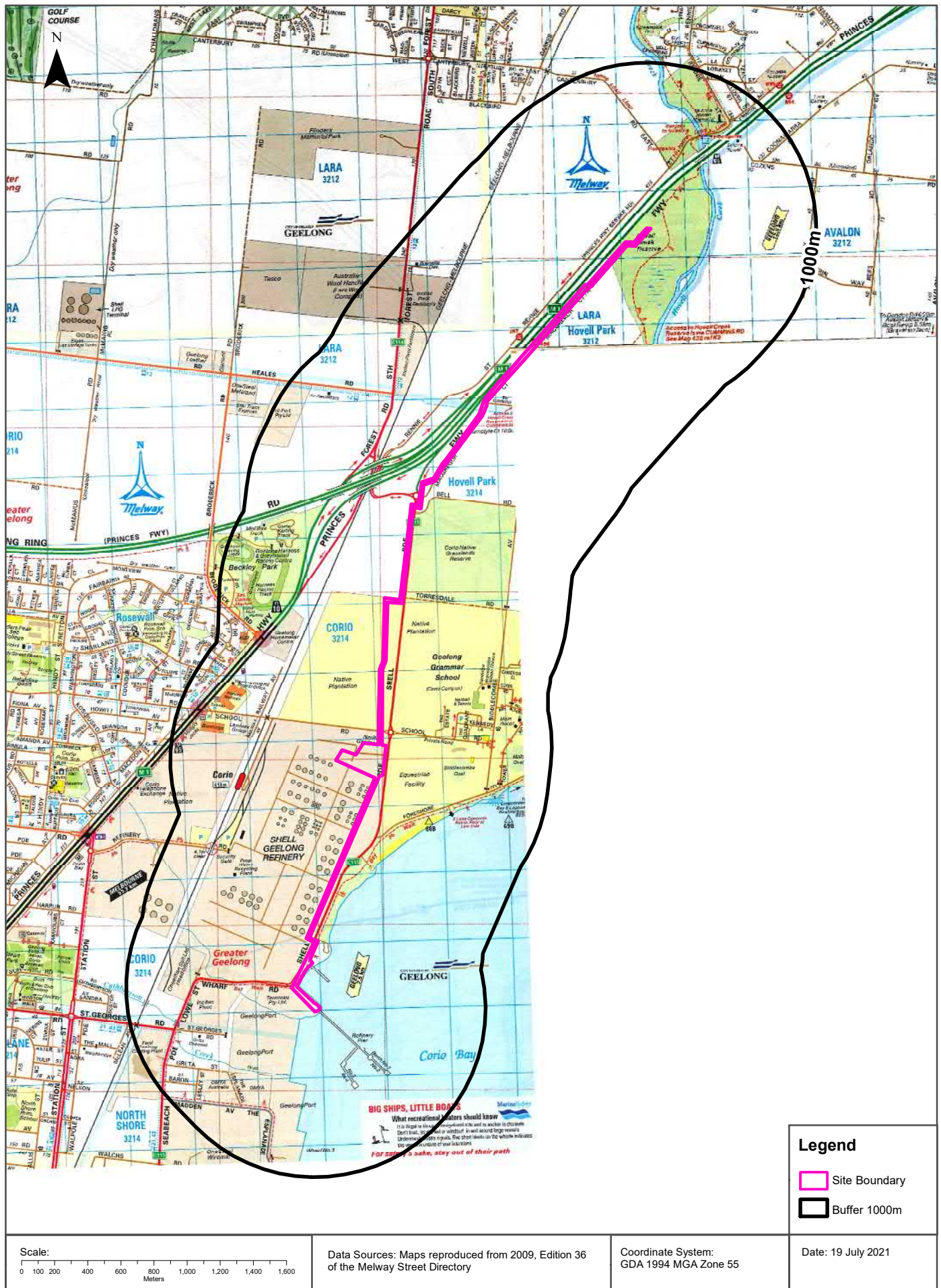
Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's Directories, mapped to a road or an area within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	MOTOR SERVICE STATIONS	Cochrane's Avalon Motors, Prince's H'way., Lara.	155864	1960	Road Match	0m
2	MOTOR SERVICE STATIONS	Corio Service Station., Melbourne Rd Corio Geelong	3312	1970	Road Match	113m
	MOTOR GARAGES & ENGINEERS	Corio Service Station., Melbourne Rd, Corio Geelong	3105	1970	Road Match	113m
	MOTOR GARAGES AND ENGINEERS	Lyle Motors., Melbourne Rd Corio Geelong	3135	1970	Road Match	113m
	MOTOR SERVICE STATIONS	Lyle Motors., Melbourne Rd Corio Geelong	3351	1970	Road Match	113m
	MOTOR SERVICE STATIONS	Oasis Service Station., Melbourne Rd Corio Geelong	3366	1970	Road Match	113m
	MOTOR SERVICE STATIONS PETROL, ETC.	Corio Service Station, Melbourne Rd., Corio., Geelong.	140915	1960	Road Match	113m
	MOTOR GARAGES & ENGINEERS	Corio Service Station. Melbourne Rd., Corio., Geelong.	140756	1960	Road Match	113m
	MOTOR SERVICE STATIONS PETROL, ETC.	Gibbs Auto Service, Melbourne Rd., Corio , Geelong.	140927	1960	Road Match	113m
	MOTOR GARAGES & ENGINEERS	Corio Service Station (N. P. Shaw), Melbourne Rd. Corio. Geelong	90548	1950	Road Match	113m
3	Motor Garages & Service Stations.	Forest Motors., Forest Rd. Corio. 3214	63450	1991	Road Match	489m

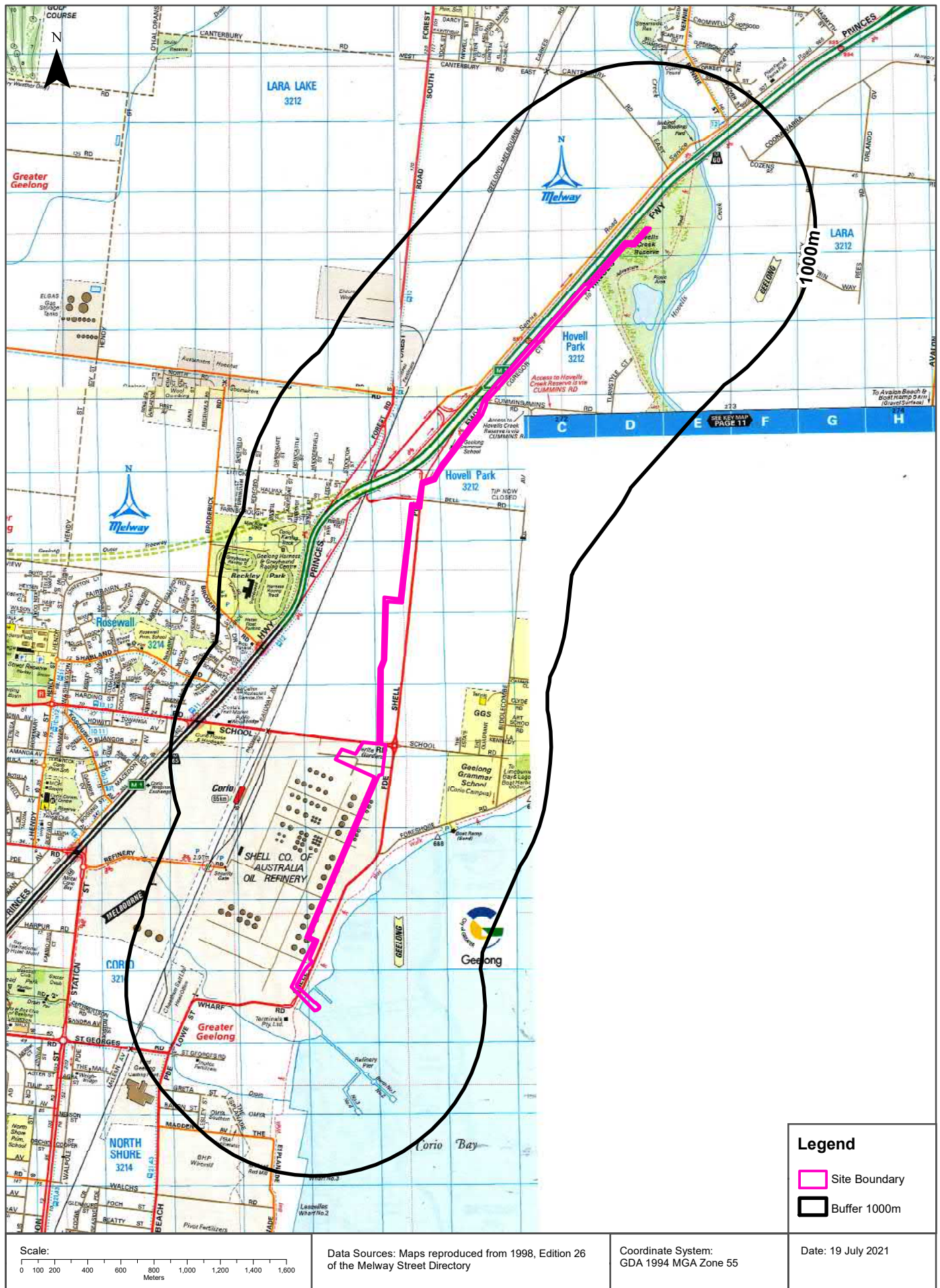
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Geelong Refinery, 90 Refinery Road, Corio VIC 3214



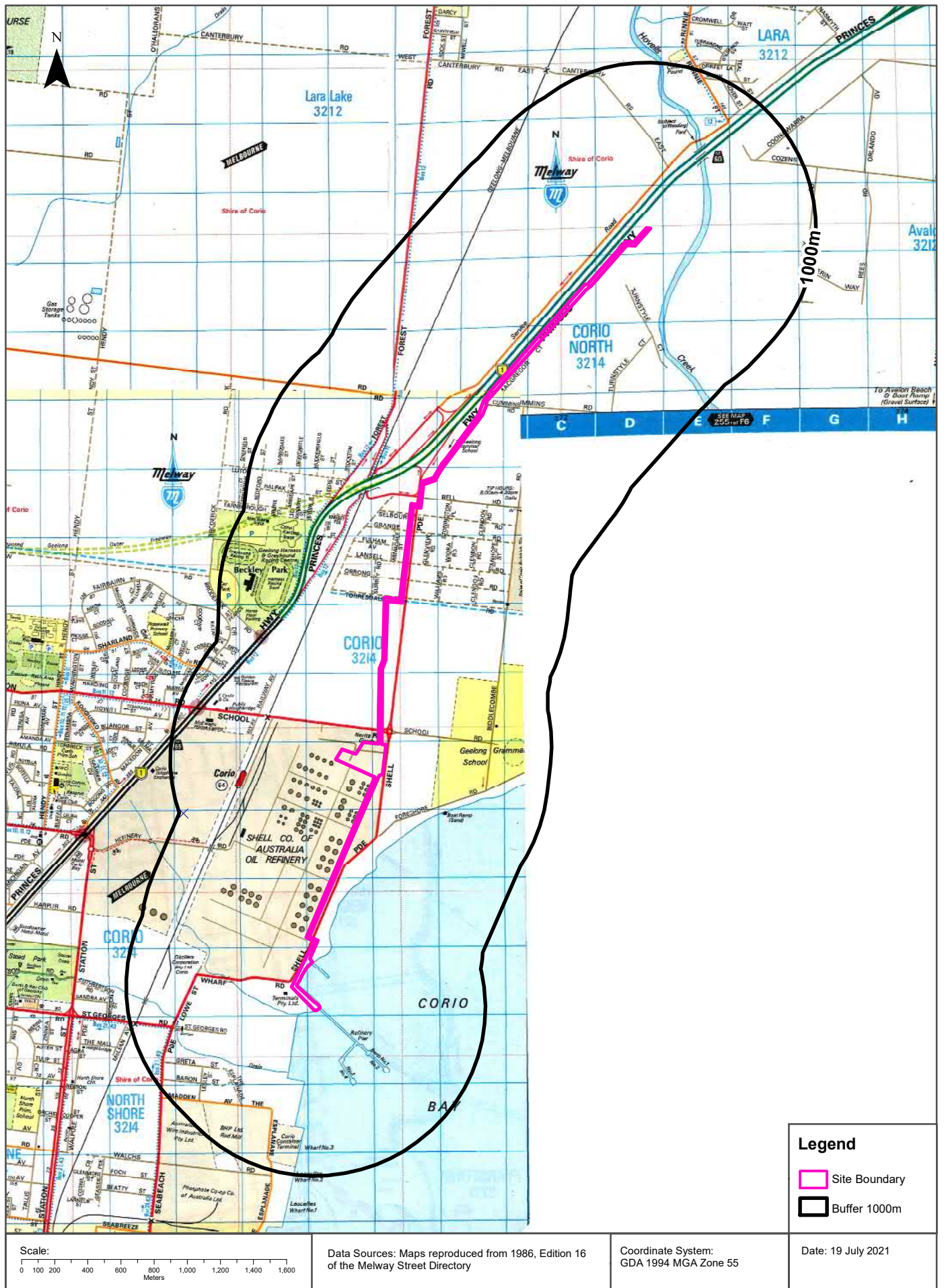
Historical Map 1998

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



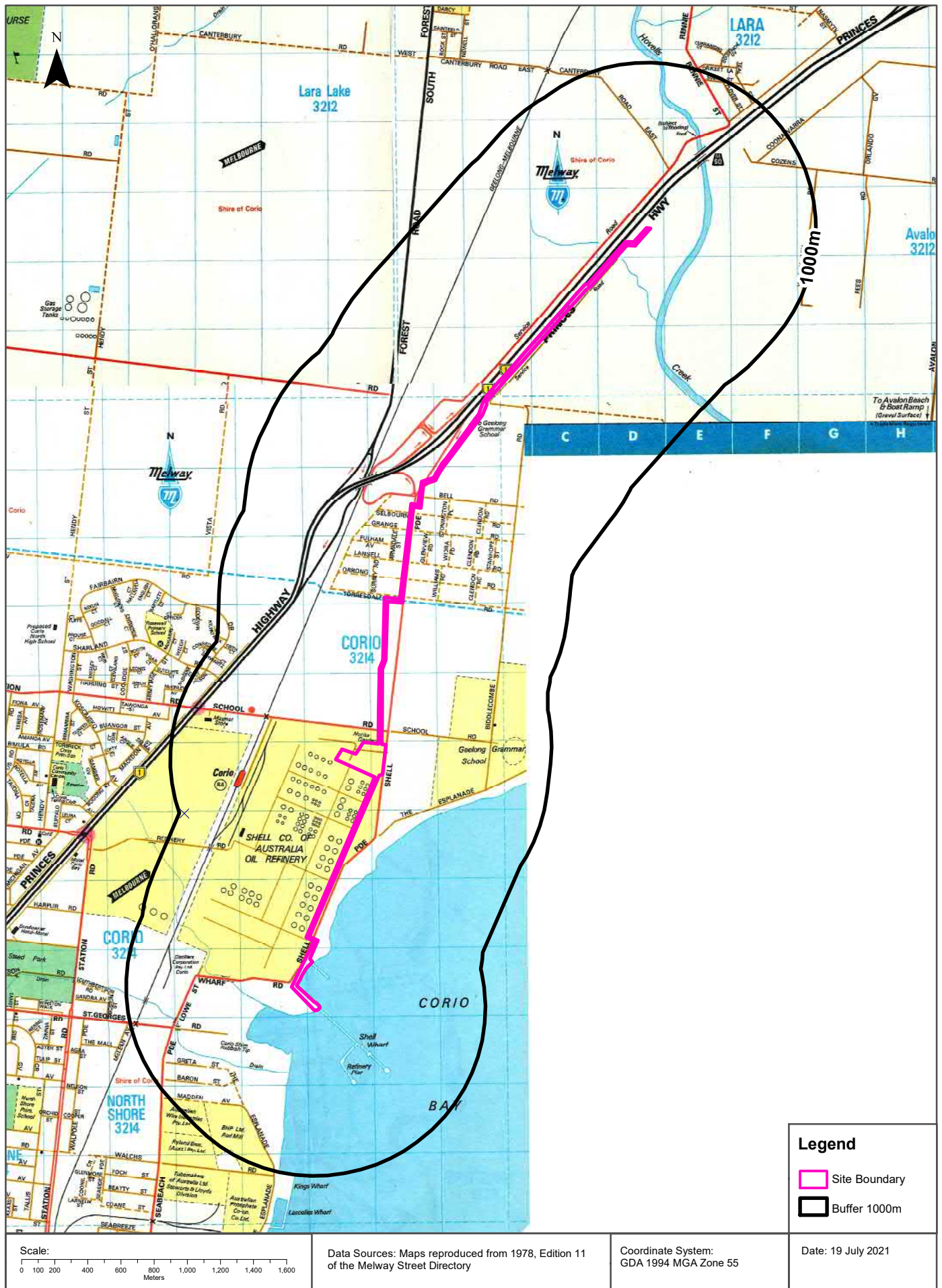
Historical Map 1986

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



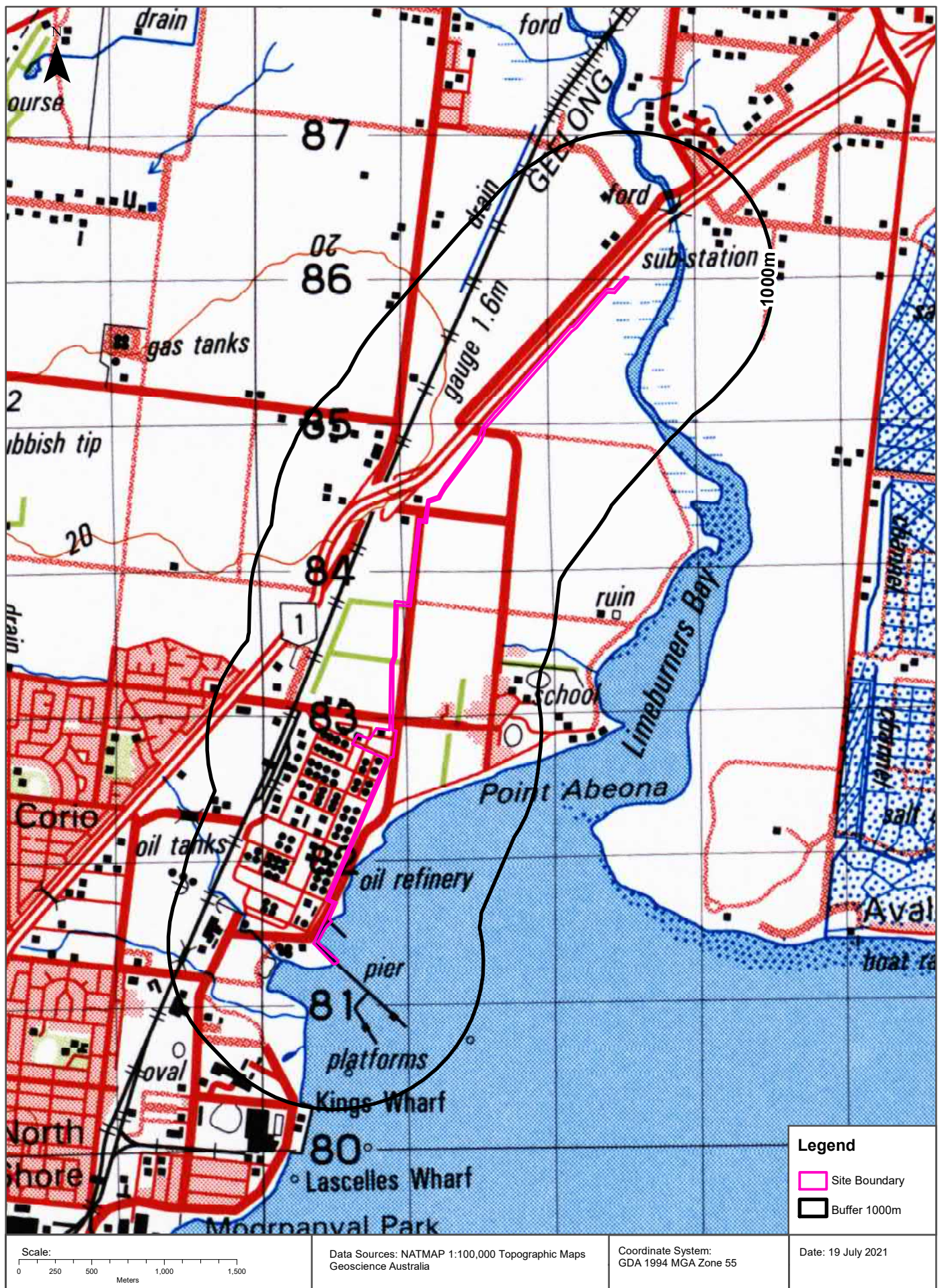
Historical Map 1978

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



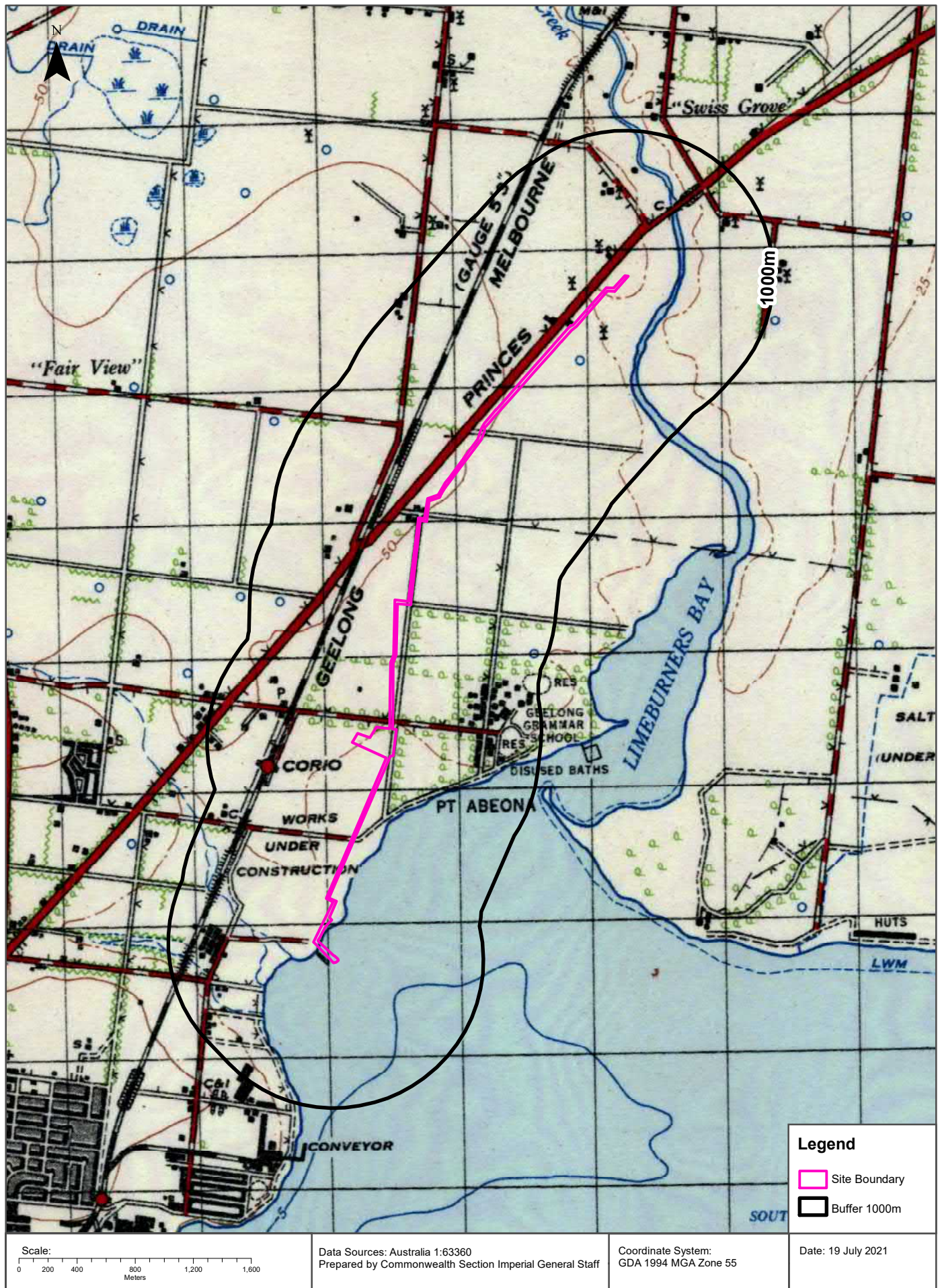
Historical Map 1975

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



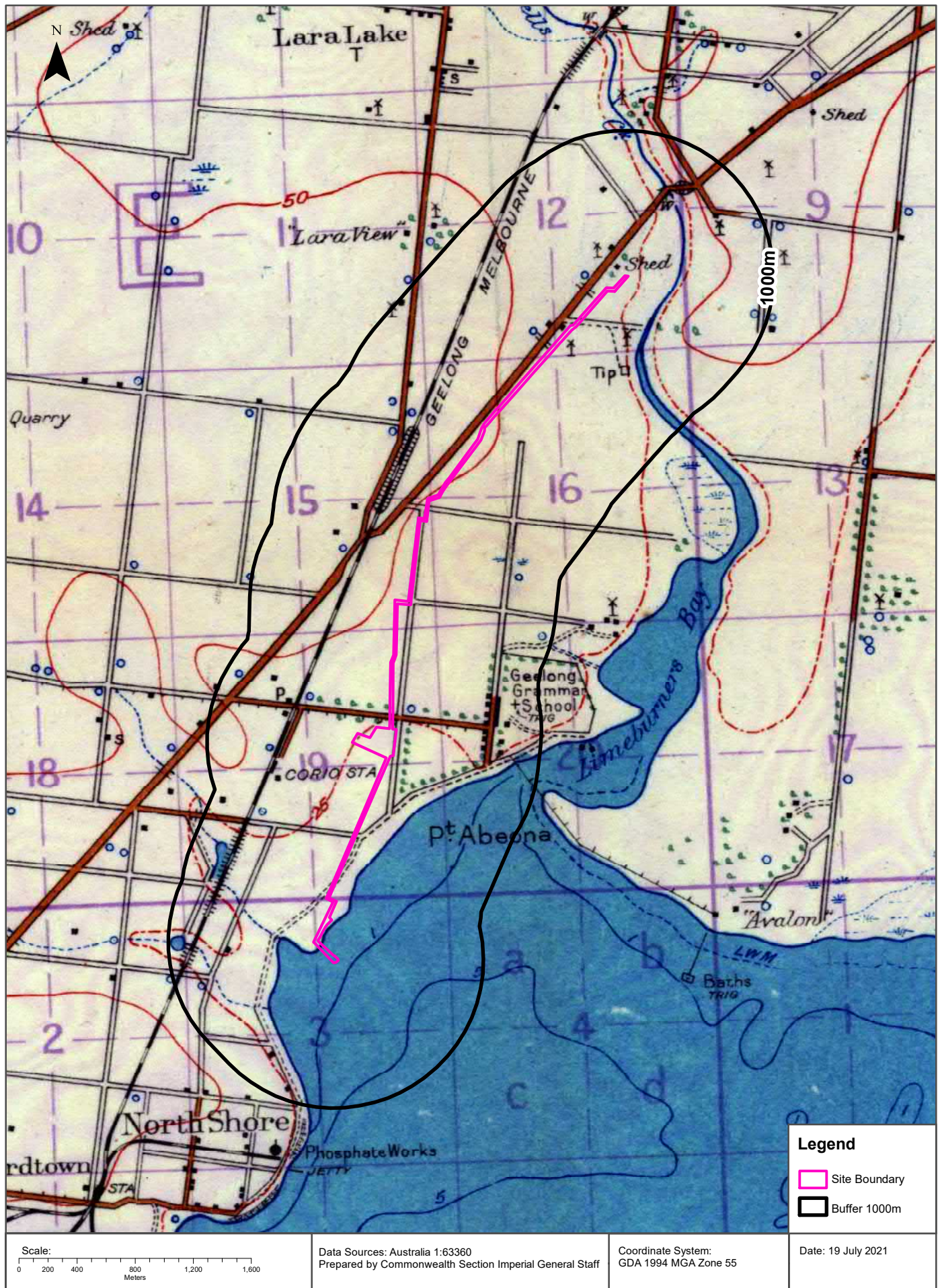
Historical Map c.1955

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



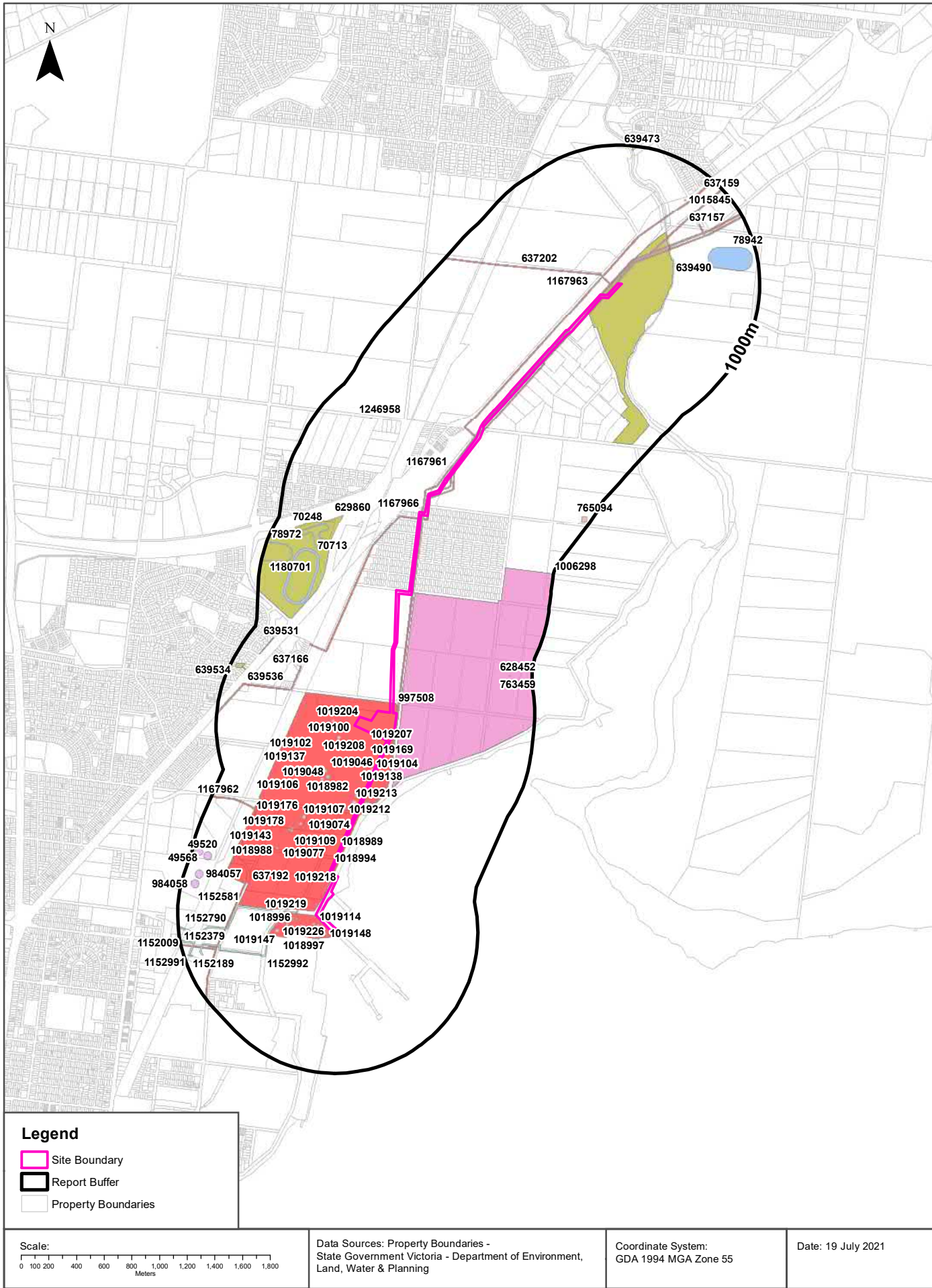
Historical Map c.1928

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Features of Interest

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Features of Interest

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Features of Interest

Features of Interest within the dataset buffer:

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
637157	pipeline	gas pipeline	Brooklyn - Corio	0m	Onsite
639490	reserve	park	Hovells Creek Reserve	0m	Onsite
997499	pipeline facility	oil terminal	Corio Oil Terminal	0m	Onsite
997508	pipeline facility	oil refinery	Shell Refinery Corio	0m	Onsite
1167961	pipeline	oil pipeline	Wag16	0m	Onsite
1167963	pipeline	oil pipeline	Wopl	0m	Onsite
1167966	pipeline	oil pipeline	Bopl	0m	Onsite
1019103	storage facility	oil tank		1m	South
1019071	storage facility	oil tank		2m	South
1019175	storage facility	oil tank		2m	South
1019105	storage facility	oil tank		3m	South
1019209	storage facility	oil tank		3m	South
1006298	education centre	education complex	Geelong Grammar School	20m	South East
637159	pipeline	gas pipeline	Brooklyn - Lara	21m	North East
637202	pipeline	gas pipeline	Lara - Iona	22m	South West
1019017	storage facility	oil tank		24m	South
1019107	storage facility	oil tank		25m	South
1019051	storage facility	oil tank		25m	South
1019213	storage facility	oil tank		25m	South
1019218	storage facility	oil tank		26m	South
1019074	storage facility	oil tank		26m	South
1019179	storage facility	oil tank		27m	South
1018994	storage facility	oil tank		27m	South
1019008	storage facility	oil tank		29m	South West
1018989	storage facility	oil tank		29m	South
1019114	storage facility	oil tank		30m	South
1019043	storage facility	oil tank		33m	South
1019013	storage facility	oil tank		34m	South
1018977	storage facility	oil tank		34m	South
1019148	storage facility	oil tank		35m	South

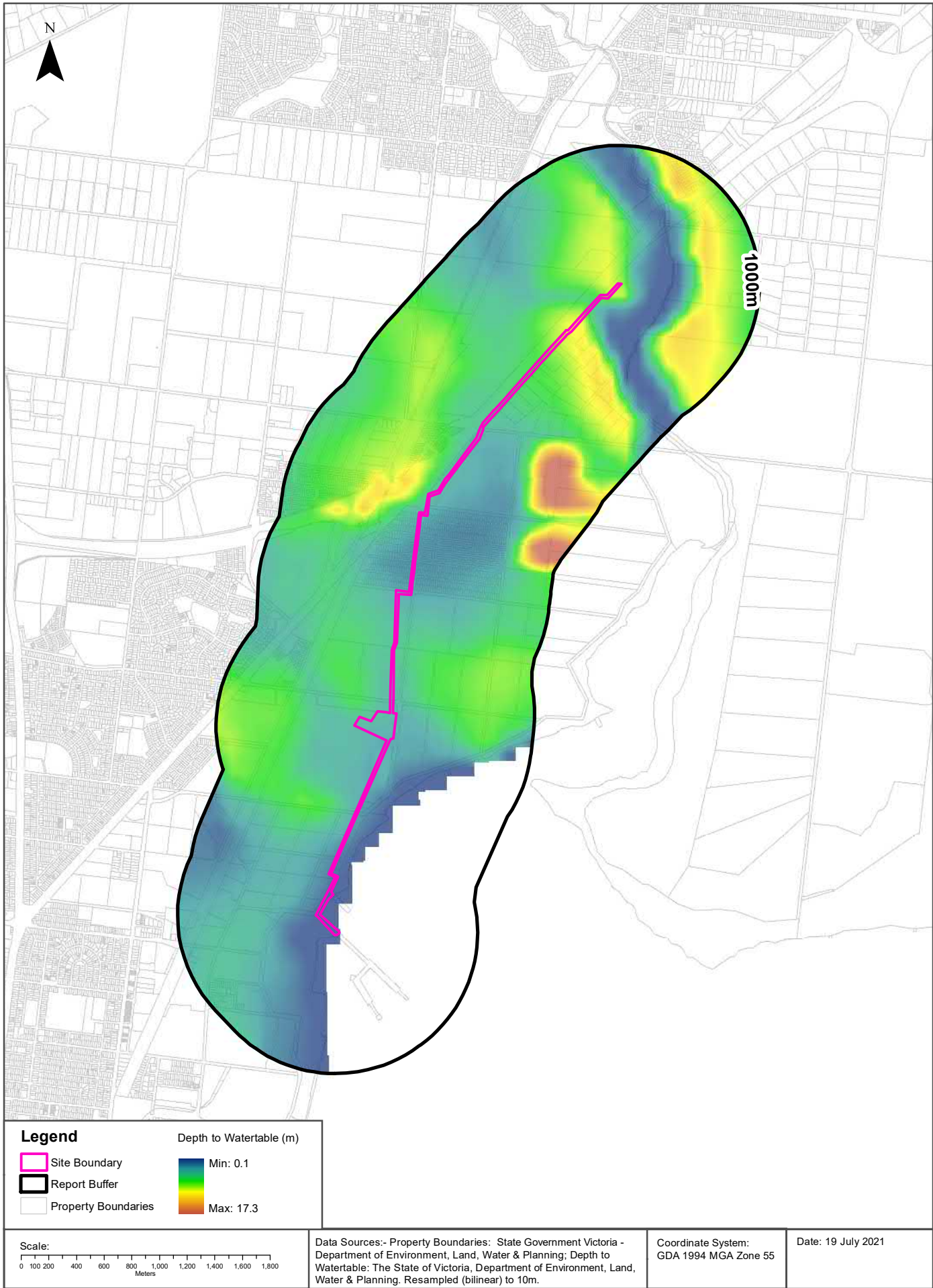
Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
1019173	storage facility	oil tank		35m	South
1019174	storage facility	oil tank		35m	South
1019104	storage facility	oil tank		35m	South
1019146	storage facility	oil tank		47m	South
1019115	storage facility	oil tank		51m	South
1019207	storage facility	oil tank		57m	South West
1019205	storage facility	oil tank		65m	South West
1019058	storage facility	oil tank		72m	South
1019212	storage facility	oil tank		80m	South West
1019211	storage facility	oil tank		81m	South West
1019142	storage facility	oil tank		81m	South West
1019056	storage facility	oil tank		82m	South West
1018986	storage facility	oil tank		82m	South West
1018990	storage facility	oil tank		83m	South West
1018993	storage facility	oil tank		83m	South West
1019108	storage facility	oil tank		83m	South West
1019076	storage facility	oil tank		84m	South West
1019057	storage facility	oil tank		95m	South
1019169	storage facility	oil tank		95m	South West
1019138	storage facility	oil tank		96m	South West
1019046	storage facility	oil tank		96m	South West
1018980	storage facility	oil tank		96m	South West
1018997	storage facility	oil tank		98m	South
1019042	storage facility	oil tank		104m	South West
1018976	storage facility	oil tank		115m	South West
1019021	storage facility	oil tank		121m	South
1019100	storage facility	oil tank		131m	South West
1152992	power line	power sub transmission		133m	South West
1019080	storage facility	oil tank		138m	South West
1019225	storage facility	oil tank		146m	South West
1019204	storage facility	oil tank		147m	South West
1019166	storage facility	oil tank		156m	South West
1019113	storage facility	oil tank		162m	South West
1019223	storage facility	oil tank		166m	South West
1019112	storage facility	oil tank		177m	South West
1019020	storage facility	oil tank		179m	South West
1018996	storage facility	oil tank		180m	South West

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
1152581	power line	power sub transmission		183m	South West
1019206	storage facility	oil tank		189m	South West
1018985	storage facility	oil tank		190m	South West
1019140	storage facility	oil tank		191m	South West
1019222	storage facility	oil tank		191m	South West
1019111	storage facility	oil tank		192m	South West
1019101	storage facility	oil tank		201m	South West
1019221	storage facility	oil tank		208m	South West
1019145	storage facility	oil tank		209m	South West
1018995	storage facility	oil tank		210m	South West
1019219	storage facility	oil tank		212m	South West
1019136	storage facility	oil tank		217m	South West
1018983	storage facility	oil tank		222m	South West
1019050	storage facility	oil tank		223m	South West
1019079	storage facility	oil tank		224m	South West
1019009	storage facility	oil tank		224m	South West
1019220	storage facility	oil tank		225m	South West
1019168	storage facility	oil tank		231m	South West
1019224	storage facility	oil tank		233m	South West
1019012	storage facility	oil tank		234m	South West
1019170	storage facility	oil tank		235m	South West
1019181	storage facility	oil tank		243m	South West
1019226	storage facility	oil tank		246m	South West
1019182	storage facility	oil tank		253m	South West
1019135	storage facility	oil tank		255m	South West
1019044	storage facility	oil tank		259m	South West
1019010	storage facility	oil tank		259m	South West
1018979	storage facility	oil tank		272m	South West
1018982	storage facility	oil tank		277m	South West
1019048	storage facility	oil tank		277m	South West
1019172	storage facility	oil tank		278m	South West
1018984	storage facility	oil tank		278m	South West
1019167	storage facility	oil tank		280m	South West
1019011	storage facility	oil tank		282m	South West
1018978	storage facility	oil tank		286m	South West
1019147	storage facility	oil tank		289m	South West
1019208	storage facility	oil tank		304m	South West

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
1019139	storage facility	oil tank		309m	South West
1019015	storage facility	oil tank		309m	South West
1019016	storage facility	oil tank		309m	South West
1019049	storage facility	oil tank		310m	South West
1019052	storage facility	oil tank		317m	South West
1019072	storage facility	oil tank		318m	South West
1019053	storage facility	oil tank		323m	South West
1019102	storage facility	oil tank		333m	South West
1019109	storage facility	oil tank		345m	South West
1019055	storage facility	oil tank		345m	South West
1019176	storage facility	oil tank		349m	South West
1019214	storage facility	oil tank		350m	South West
1019215	storage facility	oil tank		350m	South West
1019180	storage facility	oil tank		355m	South West
1019216	storage facility	oil tank		366m	South West
1019073	storage facility	oil tank		367m	South West
1019177	storage facility	oil tank		368m	South West
1019171	storage facility	oil tank		376m	South West
1019141	storage facility	oil tank		381m	South West
1019054	storage facility	oil tank		386m	South West
1019018	storage facility	oil tank		386m	South West
1019019	storage facility	oil tank		386m	South West
1018987	storage facility	oil tank		389m	South West
1019110	storage facility	oil tank		389m	South West
1019077	storage facility	oil tank		390m	South West
1019047	storage facility	oil tank		394m	South West
1019210	storage facility	oil tank		395m	South West
1018992	storage facility	oil tank		410m	South West
1019045	storage facility	oil tank		425m	South West
1018981	storage facility	oil tank		425m	South West
1019137	storage facility	oil tank		425m	South West
1018991	storage facility	oil tank		429m	South West
1018988	storage facility	oil tank		437m	South West
1019143	storage facility	oil tank		437m	South West
1019144	storage facility	oil tank		444m	South West
1019106	storage facility	oil tank		463m	South West
1019014	storage facility	oil tank		463m	South West

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
1019078	storage facility	oil tank		465m	South West
1019075	storage facility	oil tank		509m	South West
1019178	storage facility	oil tank		510m	South West
637166	pipeline	gas pipeline	Corio - Pt Henry	525m	South
637192	pipeline	gas pipeline	Geelong - Shell Refinery	540m	South West
629860	reserve	park	Beckley Park	540m	North West
1019217	storage facility	oil tank		558m	South West
70713	sport facility	harness racetrack	Geelong Harness And Greyhound Racing Centre	587m	West
70248	sport facility	motor track	Corio Karting Track	620m	North West
1167962	pipeline	gas pipeline	Lara	629m	West
78942	sport facility	training track		649m	North East
1152790	power line	power sub transmission		658m	South West
1246958	emergency facility	fire station (forest industry)	Malec Bros. Cfa Forest Industry Brigade	684m	North
1152379	power line	power sub transmission		740m	South West
1015845	landmark	monument	Hume And Hovell Monument	756m	North East
78972	sport facility	greyhound racetrack		796m	North West
628452	education centre	primary/secondary school	Geelong Grammar School - Corio Campus	828m	South East
763459	education centre	primary/secondary school	Geelong Grammar School	828m	North East
1180701	recreational resource	club house		833m	West
639531	reserve	park		847m	West
1152189	power line	power sub transmission		855m	South West
49520	storage facility	gas tank		856m	South West
984057	storage facility	gas tank		869m	South West
984058	storage facility	gas tank		877m	South West
639536	reserve	park		889m	West
1152009	power line	power sub transmission		900m	South West
1152991	power line	power sub transmission		916m	South West
765094	power facility	gas power station	Corio (Edl) Power Station	922m	North East
49512	storage facility	gas tank		924m	South West
1153203	power line	power sub transmission		941m	South West
639473	reserve	park		972m	North
639534	reserve	park	Mcshane Reserve	994m	West
49568	storage facility	gas tank		994m	South West

Features of Interest Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Hydrogeology & Groundwater

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Fractured or fissured, extensive aquifers of low to moderate productivity	0m	Onsite

Hydrogeology Map of Australia: Commonwealth of Australia (Geoscience Australia)
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Groundwater Salinity

On-site Groundwater Salinity:

Groundwater Salinity	Percent Of Site Area
1,000 - 3,500 mg/l	73
3,500 - 7,000 mg/l	26

Depth to Watertable

On-site Depth to Watertable:

Depth to Watertable	Percent Of Site Area
Less than 5 metres	82
5 to 10 metres	18

Surface Elevation

Approximate on-site Surface Elevation:

Surface Elevation
-1 AHDm to 19 AHDm

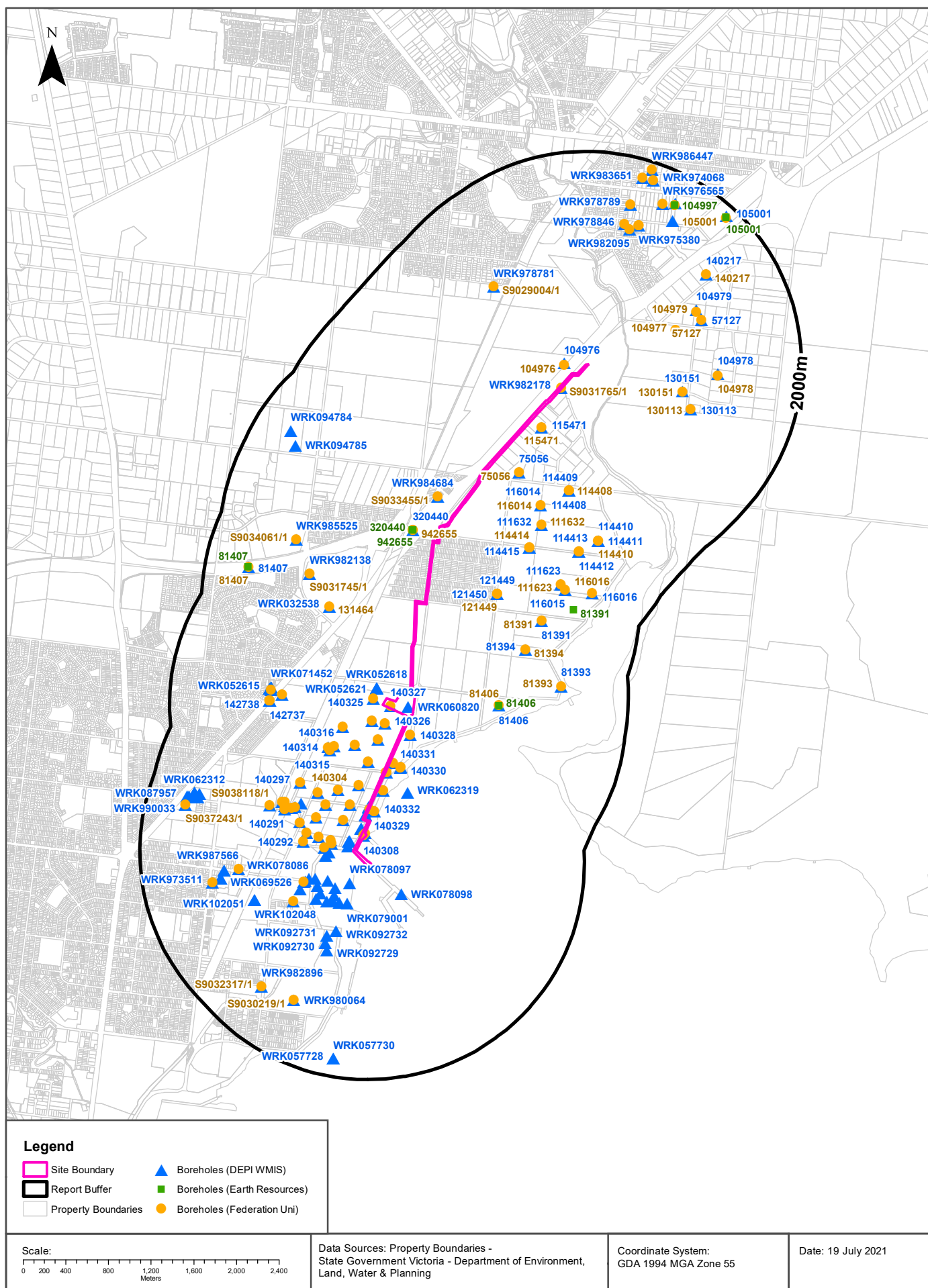
Basement Elevation

Approximate on-site Basement Elevation:

Basement Elevation - Basement Rocks comprise Lower Palaeozoic basement rocks that form the highlands and the crystalline basement; and Mesozoic rocks of the Otway and Gippsland basins both outcropping and subsurface
-231 AHDm to -185 AHDm

Groundwater Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Groundwater Boreholes

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Boreholes (DELWP WMIS)

Boreholes from the Department of Environment, Land, Water & Planning's Water Measurement Information System, within the dataset buffer:

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK982178							0	Onsite
WRK091817	Investigation	0.00m-0.20m ASPHALT 0.20m-0.50m FILL 0.50m-7.00m SILTCLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 5.00m-7.00m INNER LINING - CASING = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.50m OUTER LINING - GRAVEL = Gravel 5.50m-7.00m OUTER LINING - GRAVEL = Bentonite			2016-04-12	0	Onsite
WRK091819	Investigation	0.00m-0.20m ASPHALT 0.20m-2.50m FILL/CLAY/SAND 2.50m-4.50m FILL/BLUESTONE BALLAST 4.50m-7.00m CLAY/SILTY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 5.00m-7.00m INNER LINING - CASING = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.50m OUTER LINING - GRAVEL = Gravel 5.50m-7.00m OUTER LINING - GRAVEL = Bentonite		2.00m-5.00m Basalt	2016-04-14	0	Onsite
WRK091816	Investigation	0.00m-0.20m ASPHALT 0.20m-0.50m FILL 0.50m-7.00m SILTY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 5.00m-7.00m INNER LINING - CASING = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.50m OUTER LINING - GRAVEL = Gravel 5.50m-7.00m OUTER LINING - GRAVEL = Bentonite			2016-04-14	0	Onsite
WRK091818	Investigation	0.00m-0.20m ASPHALT 0.20m-0.50m FILL 0.50m-7.00m SILTY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-7.00m OUTER LINING - GRAVEL = Gravel			2016-04-13	0	Onsite
140308	Groundwater Investigation	0.00m-1.50m FILL 7.50m-7.50m SILTY CLAY	0.00m-0.80m INNER LINING - CASING = Pvc 0.80m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.60m OUTER LINING - GRAVEL = Bentonite 0.60m-7.50m OUTER LINING - GRAVEL = Gravel		0.80m-7.50m Clay	1998-09-24	0	Onsite
140327	Groundwater Investigation	0.00m-1.10m FILL 1.10m-4.40m CLAYEY SAND 4.40m-5.20m SANDY CLAY 5.20m-7.80m CLAYEY SAND	0.00m-1.80m INNER LINING - CASING = Pvc 1.80m-7.80m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.80m OUTER LINING - GRAVEL = Gravel		1.80m-7.80m Sand	1998-09-24	0	Onsite

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK060820	Observation	0.00m-1.30m FILL 1.30m-5.20m CLAY	0.00m-2.20m INNER LINING - CASING = Pvc 2.20m-5.20m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-1.60m OUTER LINING - GRAVEL = Bentonite 1.60m-5.20m OUTER LINING - GRAVEL = Gravel		0.00m-2.20m Fill 2.20m-5.20m Clay	2011-02-18	0	Onsite
140309	Groundwater Investigation	0.00m-0.70m FILL 0.70m-7.50m CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Clay	1998-09-24	1	South
140313	Groundwater Investigation	0.00m-1.50m FILL 1.50m-3.40m GRAVELLY CLAY 3.40m-8.00m CLAYEY SAND	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-10.00m OUTER LINING - GRAVEL = Gravel		1.00m-8.00m Sand	1998-09-24	3	South
140322	Groundwater Investigation	0.00m-1.05m FILL 1.05m-2.80m SANDY CLAY 2.80m-2.90m GRAVEL 2.90m-3.80m CLAY 3.80m-4.10m CLACITIC GRAVEL 4.10m-5.10m CLAY 5.10m-8.00m SANDY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-8.00m OUTER LINING - GRAVEL = Gravel		2.00m-8.00m Clay	1998-09-23	3	South
140321	Groundwater Investigation	0.00m-2.40m FILL 2.40m-3.60m CLAYEY SAND 3.60m-3.90m GRAVEL 3.90m-7.00m CLAYEY SAND	0.00m-1.30m INNER LINING - CASING = Pvc 1.30m-7.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-0.90m OUTER LINING - GRAVEL = Bentonite 0.90m-7.00m OUTER LINING - GRAVEL = Gravel		1.30m-7.00m Sand	1998-09-25	12	South
WRK091815	Investigation	0.00m-0.20m ASPHALT 0.20m-0.50m FILL 0.50m-7.00m SILTY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 5.00m-7.00m INNER LINING - CASING = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.50m OUTER LINING - GRAVEL = Gravel 5.50m-7.00m OUTER LINING - GRAVEL = Bentonite			2016-04-14	29	South
WRK091814	Investigation		0.00m-2.50m INNER LINING - SCREEN = Pvc Class 18 2.50m-6.00m INNER LINING - CASING = Pvc Class 18 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-6.00m OUTER LINING - GRAVEL = Gravel			2015-08-17	29	South
140323	Groundwater Investigation	0.00m-3.00m FILL 3.00m-4.50m SANDY CLAY 4.50m-7.80m GRAVELS 7.80m-8.00m SANDSTONE	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-8.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-8.00m OUTER LINING - GRAVEL = Gravel		1.50m-8.00m Gravel	1998-09-24	32	South
121456	Groundwater Investigation, Observation, State Observation Network	0.00m-1.50m DARK BROWN CLAY 1.50m-2.40m ORANGE FINE SANDY CLAY 2.40m-4.50m ORANGE FINE SAND MINOR CLAY LAYERS & HARD BAND AT 4 METRES	0.00m-1.50m INNER LINING - CASING = Pvc Class 9 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 9 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel	Date/time: 2020-11-13 1447 Quality: 43 WLMP: 1.65m DBNS: RWL:		1994-06-23	49	South

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
121457	Groundwater Investigation, Observation, State Observation Network	0.00m-1.50m DARK BROWN CLAY 1.50m-2.40m FINE ORANGE SANDY CLAY 2.40m-4.50m FINE ORANGE SAND 4.50m-6.00m STIFF GREY CLAY 6.00m-8.00m FINE TO MEDIUM GRAINED SAND ORANGE WITH SOME MINOR CLAY 8.00m-10.00m FINE GRAINED SILTY SAND ORANGE HARD BANDS AT 9.8 METRES 10.00m-12.00m FINE GRAINED SILTY SAND ORANGE WITH MINOR CLAY LAYERS	0.00m-9.00m INNER LINING - CASING = Pvc Class 9 9.00m-12.00m INNER LINING - SCREEN = Pvc Class 9 8.00m-8.50m OUTER LINING - GRAVEL = Bentonite 8.50m-12.00m OUTER LINING - GRAVEL = Gravel	Date/time: 2020-11-13 1445 Quality: 43 WLMP: 1.56m DBNS: RWL:		1994-06-23	50	South
140329	Groundwater Investigation	0.00m-1.90m SANDY CLAY 1.90m-6.50m CLAY 6.50m-8.00m SANDY CLAY 8.00m-12.50m CLAY	0.00m-9.50m INNER LINING - CASING = Pvc 9.50m-12.50m INNER LINING - SCREEN = Pvc 0.00m-8.50m OUTER LINING - GRAVEL = Cement 8.50m-9.00m OUTER LINING - GRAVEL = Bentonite 9.00m-12.50m OUTER LINING - GRAVEL = Gravel		9.50m-12.50m Clay	1998-09-25	53	South
140332	Groundwater Investigation	0.00m-7.50m SILTY CLAY	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-7.00m OUTER LINING - GRAVEL = Gravel		1.00m-7.00m Clay	1998-09-24	53	South
WRK070986	Observation	0.00m-0.20m FILL 0.20m-2.20m SAND	0.00m-0.40m INNER LINING - CASING = Pvc 0.40m-2.20m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.40m OUTER LINING - GRAVEL = Bentonite 0.40m-2.20m OUTER LINING - GRAVEL = Gravel		0.40m-2.20m Sand	2012-08-31	64	South
140328	Groundwater Investigation	0.00m-1.10m FILL 1.10m-3.50m SANDY CLAY 3.50m-4.40m GRAVEL 4.40m-7.10m CLAYEY SAND 7.10m-8.00m SANDY CLAY	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-8.00m OUTER LINING - GRAVEL = Gravel		1.00m-7.00m Sand	1998-09-25	70	South
WRK070990	Observation	0.00m-0.20m TOPSOIL 0.20m-5.00m SANDY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Gravel			2014-03-14	71	South
WRK078795	Observation	0.00m-0.20m TOPSOIL 0.20m-5.00m SANDY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Gravel			2014-03-14	71	South
WRK070991	Observation	0.00m-0.20m TOPSOIL 0.20m-5.00m SANDY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Gravel			2014-03-14	72	South
WRK070988	Observation	0.00m-0.20m TPOSOIL	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			2014-03-13	73	South

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK070987	Observation	0.00m-0.20m TOPSOIL	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite			2014-03-13	74	South
140325	Groundwater Investigation	0.00m-0.90m FILL 0.90m-2.10m SANDY CLAY 2.10m-6.80m SAND 6.80m-7.50m CLAY	0.00m-3.60m INNER LINING - CASING = Pvc 3.60m-7.50m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-7.50m OUTER LINING - GRAVEL = Gravel		3.60m-7.50m Sand	1998-09-22	104	South West
140331	Groundwater Investigation	0.00m-6.00m CLAY	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel		3.00m-6.00m Clay	1998-09-23	111	South
140330	Groundwater Investigation	0.00m-2.50m CLAY 2.50m-5.20m SILTY CLAY 5.20m-12.00m CLAY	0.00m-8.00m INNER LINING - CASING = Pvc 8.00m-12.00m INNER LINING - SCREEN = Pvc 0.00m-7.00m OUTER LINING - GRAVEL = Cement 7.00m-7.50m OUTER LINING - GRAVEL = Bentonite 7.50m-12.00m OUTER LINING - GRAVEL = Gravel			1998-09-23	112	South
115471	Domestic	0.00m-1.50m OVERBURDEN 1.50m-5.50m CLAY 5.50m-15.00m BASALT 15.00m-20.00m CLAY GREY 20.00m-27.50m CLAY BROAN 27.50m-35.00m FINE SAND	-0.30m-27.00m INNER LINING - CASING = Pvc 27.00m-35.00m INNER LINING - SCREEN = Pvc			1993-06-05	116	North East
104976	Not Known					1956-03-21	118	North East
WRK052621	Observation					2009-12-04	132	South West
WRK052630	Observation					2009-12-04	133	South West
WRK052620	Observation					2009-12-04	134	South West
WRK052618	Observation					2009-12-04	134	South West
WRK052629	Observation					2009-12-04	134	South West
WRK052628	Observation					2009-12-04	135	South West
140326	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-0.50m FILL 0.50m-1.30m SANDY CLAY 1.30m-4.60m CLAYEY SAND 4.60m-5.00m SANDY CLAY 5.00m-7.50m CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Sand	1998-09-24	149	South West
140307	Groundwater Investigation	0.00m-0.20m FILL 0.20m-1.10m CLAY 1.10m-2.10m CLAYEY SAND 2.10m-8.10m SAND 8.10m-10.00m CLAYEY SAND	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-10.00m INNER LINING - SCREEN = Pvc 0.00m-2.50m OUTER LINING - GRAVEL = Cement 2.50m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-10.00m OUTER LINING - GRAVEL = Gravel		4.00m-10.00m Sand	1998-09-23	162	South West
140306	Groundwater Investigation	0.00m-1.50m FILL 1.50m-2.20m SANDY CLAY 2.20m-4.50m GRAVELLY CLAY 4.50m-4.70m GRAVEL 4.70m-8.40m GRAVELLY CLAY 8.40m-8.95m SANDY CLAY 8.95m-9.10m CLAY	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-9.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.10m OUTER LINING - GRAVEL = Bentonite 2.10m-9.10m OUTER LINING - GRAVEL = Gravel		3.00m-9.00m Clay	1998-09-23	164	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
140320	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-0.90m SAND 0.90m-2.80m SANDY CLAY 2.80m-7.50m SAND	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Sand	1998-09-24	168	South West
140319	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-0.30m FILL 0.30m-1.80m SANDY CLAY 1.80m-4.70m GRAVELY SAND 4.70m-6.60m SANDY CLAY	0.00m-3.60m INNER LINING - CASING = Pvc 3.60m-6.60m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.60m OUTER LINING - GRAVEL = Gravel		3.60m-6.60m Clay	1998-09-23	168	South West
140324	Groundwater Investigation	0.00m-1.20m FILL 1.20m-1.50m SANDY CLAY 1.50m-1.60m GRAVEL 1.60m-3.80m SANDY CLAY 3.80m-4.10m CLAYEY SAND 4.10m-7.10m SANDY CLAY 7.10m-7.20m GRAVEL 7.20m-7.50m SANDY CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Clay	1998-09-24	179	South West
140305	Groundwater Investigation	0.00m-3.00m FILL 3.00m-9.00m SILTY CLAY	0.00m-0.80m INNER LINING - CASING = Pvc 0.80m-9.00m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.60m OUTER LINING - GRAVEL = Bentonite 0.60m-9.00m OUTER LINING - GRAVEL = Gravel		0.80m-9.00m Clay	1998-09-25	182	South West
320440	Non Groundwater					1981-10-14	211	North
134529	Groundwater Investigation	0.00m-0.30m FILL, GRAVEL, SAND, CLAY 0.30m-7.50m SILTY CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Clay	1997-05-07	213	South West
WRK984684							217	North
WRK057824	Observation					2010-07-09	225	South West
WRK078097	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-5.80m INNER LINING - CASING = Pvc 5.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.80m OUTER LINING - GRAVEL = Gravel		5.80m-9.80m Silt	2014-02-28	229	South
134528	Groundwater Investigation	0.00m-0.30m FILL, GRAVEL, SAND, CLAY 0.30m-7.50m SILTY CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Clay	1997-05-07	231	South West
75056	Domestic	0.00m-2.00m SOIL 2.00m-4.50m CLAY 4.50m-6.20m SOFT BASALT 6.20m-9.30m CLAY 9.30m-18.50m SAND 18.50m-19.00m CLAY	-0.30m-12.00m INNER LINING - CASING = Pvc 12.00m-19.00m INNER LINING - SCREEN = Pvc		12.00m-19.00m Sand	1991-01-19	242	North East
WRK062689	Observation	0.00m-0.20m FILL 0.20m-4.50m SAND	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.50m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel		0.00m-1.50m Sand 1.50m-4.50m Sand	2011-07-01	260	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK062319	Observation					2011-05-19	268	South
140296	Groundwater Investigation	0.00m-2.00m CLAY 2.00m-2.50m SILTY CLAY 2.50m-5.50m CLAY	0.00m-0.20m INNER LINING - CASING = Pvc 0.20m-5.50m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.60m OUTER LINING - GRAVEL = Bentonite 0.60m-5.50m OUTER LINING - GRAVEL = Gravel		0.20m-5.50m Clay	1998-09-25	271	South West
140304	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-0.20m FILL 0.20m-1.50m FILL 1.50m-7.00m SANDY CLAY	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-7.00m OUTER LINING - GRAVEL = Gravel		1.00m-7.00m Clay	1998-09-25	320	South West
140295	Groundwater Investigation	0.00m-4.60m FILL 4.60m-6.50m CLAY	0.00m-0.80m INNER LINING - CASING = Pvc 0.80m-6.50m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.60m OUTER LINING - GRAVEL = Bentonite 0.60m-6.50m OUTER LINING - GRAVEL = Gravel		0.80m-6.50m Clay	1998-09-25	348	South West
140318	Groundwater Investigation	0.00m-1.20m FILL 1.20m-1.50m GRAVELY CLAY 1.50m-5.80m SANDY CLAY 5.80m-5.90m GRAVEL 5.90m-7.50m SANDY CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Clay	1998-09-24	349	South West
WRK078093	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-5.80m INNER LINING - CASING = Pvc 5.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.80m OUTER LINING - GRAVEL = Gravel		5.80m-9.80m Silt	2014-02-28	360	South
WRK078091	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-5.80m INNER LINING - CASING = Pvc 5.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.80m OUTER LINING - GRAVEL = Gravel		5.80m-9.80m Silt	2014-02-28	362	South West
140299	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.35m FILL 1.35m-5.70m SANDY CLAY 5.70m-5.80m GRAVEL 5.80m-7.50m SANDY CLAY	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-7.50m OUTER LINING - GRAVEL = Gravel		1.00m-7.50m Clay	1998-09-25	374	South West
WRK078098	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-5.80m INNER LINING - CASING = Pvc 5.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.80m OUTER LINING - GRAVEL = Gravel		5.80m-9.80m Silt	2014-02-28	391	South
WRK079001	Observation	0.00m-3.50m FILL 3.50m-7.00m CLAY	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-7.00m OUTER LINING - GRAVEL = Gravel		4.00m-7.00m Clay	2014-03-26	398	South

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK078094	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-5.80m INNER LINING - CASING = Pvc 5.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.80m OUTER LINING - GRAVEL = Gravel		5.80m-9.80m Silt	2014-02-28	414	South
140317	Groundwater Investigation	0.00m-1.10m SILTY SAND 1.10m-5.70m SAND 5.70m-8.00m CLAYEY SAND	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-8.00m OUTER LINING - GRAVEL = Gravel		1.00m-8.00m Sand	1998-09-24	427	South West
WRK078096	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-5.80m INNER LINING - CASING = Pvc 5.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite		5.80m-9.80m Silt	2014-02-28	431	South
140290	Groundwater Investigation	0.00m-3.40m FILL 3.40m-5.30m SANDY CLAY	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-5.00m OUTER LINING - GRAVEL = Gravel		1.00m-5.00m Clay	1998-09-25	435	South West
WRK078087	Observation	0.00m-3.00m FILL 3.00m-5.20m SILT	0.00m-2.20m INNER LINING - CASING = Pvc 2.20m-5.20m INNER LINING - SCREEN = Pvc 0.00m-1.20m OUTER LINING - GRAVEL = Cement 1.20m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-5.20m OUTER LINING - GRAVEL = Gravel		2.20m-5.20m Silt	2014-02-28	438	South West
WRK078095	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.80m OUTER LINING - GRAVEL = Gravel		5.80m-9.80m Silt	2014-02-28	462	South
WRK078089	Observation	0.00m-4.70m FILL 4.70m-6.80m SILT	0.00m-3.90m INNER LINING - CASING = Pvc 3.90m-6.80m INNER LINING - SCREEN = Pvc 0.00m-2.80m OUTER LINING - GRAVEL = Cement 2.80m-3.30m OUTER LINING - GRAVEL = Bentonite 3.30m-6.80m OUTER LINING - GRAVEL = Gravel		3.90m-6.80m Silt	2014-02-28	466	South West
140293	Groundwater Investigation	0.00m-5.00m FILL 5.00m-6.00m SILTY CLAY 6.00m-6.50m SANDY CLAY 6.50m-7.50m CLAY	0.00m-0.80m INNER LINING - CASING = Pvc 0.80m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-7.00m OUTER LINING - GRAVEL = Bentonite 7.00m-7.50m OUTER LINING - GRAVEL = Gravel		0.80m-7.50m Clay	1998-09-25	466	South West
140292	Groundwater Investigation	0.00m-4.00m FILL 4.00m-8.00m SANDY CLAY	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-3.50m OUTER LINING - GRAVEL = Cement 3.50m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-8.00m OUTER LINING - GRAVEL = Gravel		5.00m-8.00m Clay	1998-09-23	474	South West
140298	Groundwater Investigation	0.00m-2.00m FILL 2.00m-8.00m SANDY CLAU	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-8.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-8.00m OUTER LINING - GRAVEL = Gravel		1.50m-8.00m Clay	1998-09-25	485	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK078086	Observation	0.00m-3.00m FILL 3.00m-5.20m SILT	0.00m-2.20m INNER LINING - CASING = Pvc 2.20m-5.20m INNER LINING - SCREEN = Pvc 0.00m-1.20m OUTER LINING - GRAVEL = Cement 1.20m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-5.20m OUTER LINING - GRAVEL = Gravel		2.20m-5.20m Silt	2014-02-28	489	South West
WRK078090	Observation	0.00m-4.70m FILL 4.70m-6.80m SILT	0.00m-3.90m INNER LINING - CASING = Pvc 3.90m-6.80m INNER LINING - SCREEN = Pvc 0.00m-2.80m OUTER LINING - GRAVEL = Cement 2.80m-3.30m OUTER LINING - GRAVEL = Bentonite 3.30m-6.80m OUTER LINING - GRAVEL = Gravel		3.90m-6.80m Silt	2014-02-28	494	South West
WRK078092	Observation	0.00m-9.20m FILL 9.20m-9.80m SILT	0.00m-5.80m INNER LINING - CASING = Pvc 5.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.80m OUTER LINING - GRAVEL = Gravel		5.80m-9.80m Silt	2014-02-28	499	South
140316	Groundwater Investigation	0.00m-0.10m FILL 0.10m-0.50m SILTY CLAY 0.50m-1.25m SANDY CLAY 1.25m-2.10m ORANGE SANDY CLAY 2.10m-6.00m CLAYEY SAND 6.00m-7.50m SANDY CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-7.50m OUTER LINING - GRAVEL = Gravel		1.50m-7.50m Clay	1998-09-24	518	South West
WRK078085	Observation	0.00m-3.00m FILL 3.00m-5.20m SILT	2.20m-5.20m INNER LINING - SCREEN = Pvc 0.00m-1.20m OUTER LINING - GRAVEL = Cement 1.20m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-5.20m OUTER LINING - GRAVEL = Gravel		2.20m-5.20m Siltstone	2014-02-28	527	South West
140315	Groundwater Investigation	0.00m-1.20m FILL 1.20m-1.70m CLAY 1.70m-2.90m SILTY SAND 2.90m-3.80m SANDY CLAY 3.80m-4.10m SAND 4.10m-7.20m CLAYEY SAND 7.20m-7.35m SILTSTONE GRAVEL 7.35m-8.20m CLAYEY SAND 8.20m-8.50m SANDY CLAY	0.00m-6.40m INNER LINING - CASING = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-5.50m OUTER LINING - GRAVEL = Bentonite 5.50m-8.50m OUTER LINING - GRAVEL = Gravel			1998-09-22	539	South West
WRK974498	Domestic & Stock		0.00m-2.50m INNER LINING - CASING = Pvc Class 18 2.50m-5.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-1.80m OUTER LINING - GRAVEL = Packer 1.80m-2.30m OUTER LINING - GRAVEL = Bentonite 2.30m-6.20m OUTER LINING - GRAVEL = Gravel			2006-07-19	546	South West
WRK078088	Observation	0.00m-3.00m FILL 3.00m-5.20m SILT	0.00m-2.20m INNER LINING - CASING = Pvc 2.20m-5.20m INNER LINING - SCREEN = Pvc 0.00m-1.20m OUTER LINING - GRAVEL = Cement 1.20m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-5.20m OUTER LINING - GRAVEL = Gravel		2.20m-5.20m Silt	2014-02-28	559	South West
140294	Groundwater Investigation	0.00m-4.00m FILL	0.00m-0.80m INNER LINING - CASING = Pvc 0.80m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.60m OUTER LINING - GRAVEL = Bentonite 0.60m-4.00m OUTER LINING - GRAVEL = Gravel			1998-09-23	565	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
140314	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.20m FILL 1.20m-3.90m SANDY CLAY 3.90m-4.30m CLAYEY SAND 4.30m-7.15m SANDY CLAY 7.15m-7.20m GRAVEL 7.20m-8.15m SANDY CLAY 8.15m-8.30m GRAVEL 8.30m-8.50m SANDY CLAY	0.00m-5.50m INNER LINING - CASING = Pvc 5.50m-8.50m INNER LINING - SCREEN = Pvc 0.00m-3.50m OUTER LINING - GRAVEL = Cement 3.50m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-8.50m OUTER LINING - GRAVEL = Gravel		5.50m-8.50m Clay	1998-09-25	568	South West
WRK062317	Observation					2011-05-19	597	South West
116014	Groundwater Investigation	0.00m-13.80m LAND FILL 13.80m-14.80m H W BASALT 14.80m-16.00m M W LENSES 16.00m-24.60m SILTY CLAYEY SANDS	-0.50m-15.00m INNER LINING - CASING = Pvc Class 9 -0.40m-24.60m INNER LINING - CASING = Pvc Class 18 15.00m-24.60m INNER LINING - SCREEN = Pvc Class 18 0.00m-15.00m OUTER LINING - GRAVEL = Cement 15.00m-16.80m OUTER LINING - GRAVEL = Bentonite 16.80m-24.60m OUTER LINING - GRAVEL = Gravel			1993-04-27	598	North East
WRK078084	Observation	0.00m-3.00m FILL 3.00m-5.20m SILT	0.00m-2.20m INNER LINING - CASING = Pvc 2.20m-5.20m INNER LINING - SCREEN = Pvc 0.00m-1.20m OUTER LINING - GRAVEL = Cement 1.20m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-5.20m OUTER LINING - GRAVEL = Gravel		2.20m-5.20m Silt	2014-02-28	610	South West
121449	Groundwater Investigation, Observation, State Observation Network	0.00m-1.50m DARK BROWN SANDY CLAY 1.50m-6.00m GREY CLAYEY VERY WEATHERED BASALT 6.00m-9.50m GREY BASALT WEATHERED TOWARDS BASE	0.00m-6.50m INNER LINING - CASING = Pvc Class 9 6.50m-9.50m INNER LINING - SCREEN = Pvc Class 9 5.50m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-9.50m OUTER LINING - GRAVEL = Gravel	Date/time: 2020-11-13 1429 Quality: 43 WLMP: 9.20m DBNS: RWL:		1994-06-21	643	North East
115255	Groundwater Investigation	0.00m-1.50m BROWN ORANGE CLAY 1.50m-4.50m BLUE-GREY GRAVELLY CLAY 4.50m-5.50m GREEN-GREY GRITTY CLAY 5.50m-6.20m BLUE-GREEN GRITTY CLAY	-0.20m-4.50m INNER LINING - CASING = Pvc 6.00m-6.20m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 4.00m-6.20m OUTER LINING - GRAVEL = Gravel			1989-04-26	645	South West
121450	Groundwater Investigation, Observation, State Observation Network	0.00m-1.50m DARK BROWN SANDY CLAY 1.50m-6.00m VERY WEATHERED CLAYEY GREY BASALT 6.00m-9.00m GREY BASALT 9.00m-10.00m GREY WEATHERED BASALT 10.00m-11.50m GREY FINE CLAYEY SAND 11.50m-13.00m YELLOW BROWN MEDIUM TO FINE SAND	0.00m-10.00m INNER LINING - CASING = Pvc Class 9 10.00m-13.00m INNER LINING - SCREEN = Pvc Class 9 9.00m-9.50m OUTER LINING - GRAVEL = Bentonite 9.50m-13.00m OUTER LINING - GRAVEL = Gravel	Date/time: 2020-11-13 1423 Quality: 43 WLMP: 9.25m DBNS: RWL:		1994-06-21	645	North East
WRK092732	Investigation	0.00m-0.50m FILL 0.50m-6.00m SILTY sandy clay & clayey sand	0.80m-3.00m INNER LINING - CASING = Pvc Class 18 3.00m-6.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-6.00m OUTER LINING - GRAVEL = Gravel			2016-03-09	673	South
140297	Groundwater Investigation	0.00m-0.90m FILL 0.90m-1.70m SANDY CLAY 1.70m-2.00m GRAVEL 2.00m-4.80m SANDY CLAY 4.80m-8.00m CLAYEY SAND	0.00m-0.80m INNER LINING - CASING = Pvc 0.80m-8.00m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.60m OUTER LINING - GRAVEL = Bentonite 0.60m-8.00m OUTER LINING - GRAVEL = Gravel		0.80m-8.00m Sand	1998-09-25	674	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
115254	Groundwater Investigation	0.00m-3.50m BROWN GRITTY CLAY 3.50m-4.50m GREY-BLACK-BROWN GRITTY CLAY 4.50m-5.50m BLUE-GREY FRITTY CLAY 5.50m-6.70m BLUE-GREY SILTY CLAY	-0.20m-4.50m INNER LINING - CASING = Pvc 6.00m-6.70m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 4.00m-6.70m OUTER LINING - GRAVEL = Gravel			1989-04-30	675	South West
111632	Groundwater Investigation	0.00m-1.50m DARK BROWN CLAY 1.50m-7.00m ORANGE WEATHERED BASALT 7.00m-8.00m GREY WHITE SILTY SAND 8.00m-8.75m ORANGE BROWN SILTY CLAY 8.75m-9.00m FINE GREY SILTY SAND 9.00m-14.00m YELLOW BROWN F-C SANDS	-0.75m-8.50m INNER LINING - CASING = Pvc Class 12 8.50m-15.00m INNER LINING - SCREEN = Pvc Class 12 7.00m-7.50m OUTER LINING - GRAVEL = Bentonite		8.50m-15.00m Sand	1991-01-16	698	North East
114408	Groundwater Investigation	0.00m-2.50m GREY-BROWN MOTTLED CLAY 2.50m-6.00m GREY-BROWN BASALT 6.00m-7.00m RED-GREY MOTTLED CLAY 7.00m-9.50m MEDIUM-FINE GREY BROWN YELLOW SANDY CLAY 9.50m-10.50m FINE-COARSE BROWN SAND 10.50m-13.50m BROWN-YELLOW FINE-COARSE SAND	-0.25m-9.50m INNER LINING - CASING = Pvc Class 12 9.50m-13.50m INNER LINING - SCREEN = Pvc Class 12 6.00m-7.00m OUTER LINING - GRAVEL = Cement			1990-05-06	701	North East
114409	Groundwater Investigation	0.00m-2.50m GREY-BROWN MOTTLED CLAY 2.50m-6.00m GREY-BROWN BASALT	-0.50m-4.00m INNER LINING - CASING = Pvc Class 12 4.00m-6.00m INNER LINING - SCREEN = Pvc Class 12 0.00m-2.00m OUTER LINING - GRAVEL = Cement			1990-05-06	702	North East
121452	Groundwater Investigation, Observation, State Observation Network	0.00m-1.00m DARK BROWN CLAY 1.00m-2.00m MOTTLED BLACK ORANGE CLAY 2.00m-3.00m FINE ORANGE CLAYEY SAND 3.00m-5.00m FINE MOTTLED ORANGE GREY SAND (HARD BANDS) 5.00m-6.00m FINE ORANGE CLAYEY SAND	0.00m-2.00m INNER LINING - CASING = Pvc Class 9 2.00m-5.00m INNER LINING - SCREEN = Pvc Class 9 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Gravel	Date/time: 2016-05-24 1103 Quality: 43 WLMP: 2.21m DBNS: 1.61m RWL: 2.00m AHD		1994-06-21	733	South West
114414	Groundwater Investigation	0.00m-1.50m MOTTLED GREY-BROWN CLAY 1.50m-8.50m GREY-BROWN BASALT 8.50m-9.75m GREY-BROWN SILTY SAND 9.75m-11.00m GREY-ORANGE SANDY CLAY 11.00m-12.25m BROWN-ORANGE SANDY CLAY 12.25m-16.00m LIGHT GREY-ORANGE FINE SILTY SAND 16.00m-18.00m YELLOW-BROWN TO LIGHT GREY GRAVELLY SAND	-0.25m-11.75m INNER LINING - CASING = Pvc Class 12 11.75m-17.75m INNER LINING - SCREEN = Pvc Class 12 8.50m-9.50m OUTER LINING - GRAVEL = Cement			1990-04-29	736	North East
140291	Groundwater Investigation	0.00m-0.40m SANDY CLAY 0.40m-2.50m FILL 2.50m-4.20m SAND 4.20m-5.40m CLAY 5.40m-6.10m SAND 6.10m-7.50m SANDY CLAY	0.00m-4.50m INNER LINING - CASING = Pvc 4.50m-7.50m INNER LINING - SCREEN = Pvc 0.00m-2.50m OUTER LINING - GRAVEL = Cement 2.50m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-7.50m OUTER LINING - GRAVEL = Gravel		4.50m-7.50m Sand	1998-09-25	736	South West
114415	Groundwater Investigation	0.00m-1.50m MOTTLED GREY-BROWN CLAY 1.50m-8.50m GREY-BROWN BASALT	-0.50m-5.50m INNER LINING - CASING = Pvc Class 12 5.50m-8.50m INNER LINING - SCREEN = Pvc Class 12 0.00m-2.00m OUTER LINING - GRAVEL = Cement			1990-04-29	737	North East
115253	Groundwater Investigation	0.00m-4.00m BROWN GRITTY CLAY 4.00m-6.40m FAWN-GREY GRITTY CLAY	-0.20m-4.50m INNER LINING - CASING = Pvc 6.00m-6.40m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 4.00m-6.40m OUTER LINING - GRAVEL = Gravel			1989-04-29	740	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
115252	Groundwater Investigation	0.00m-2.00m BROWN GRITTY CLAY 2.00m-4.00m FILL CLAY & RUBBLE 4.00m-6.50m GREY-WHITE GRITTY CLAY	-0.20m-3.00m INNER LINING - CASING = Pvc 6.00m-6.50m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 3.00m-6.50m OUTER LINING - GRAVEL = Gravel			1989-04-28	748	South West
WRK092731	Investigation	0.00m-0.50m FILL 0.50m-7.00m SILTY sandy clay & clayey sand	0.80m-3.00m INNER LINING - CASING = Pvc Class 18 3.00m-7.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-7.00m OUTER LINING - GRAVEL = Gravel			2016-03-09	751	South
115251	Groundwater Investigation	0.00m-3.50m FILL CLAY & RUBBLE 3.50m-8.00m WHITE-GREY GRITTY CLAY	-0.20m-5.00m INNER LINING - CASING = Pvc 5.00m-7.50m INNER LINING - SCREEN = Pvc 0.00m-2.50m OUTER LINING - GRAVEL = Cement 2.50m-3.00m OUTER LINING - GRAVEL = Bentonite 5.00m-8.00m OUTER LINING - GRAVEL = Gravel			1989-04-27	773	South West
81406	Not Known	0.00m-1.50m BROWN EARTH AND STIFF CLAY 1.50m-22.00m VERY DECAYED BROWN BASALT WITH INTERSECTIONS OF MED BLUE BAS 22.00m-28.00m SANDY YELLOW CLAY 28.00m-36.00m SILTY DARK GREY SEDIMENTARY CLAY				1984-06-06	790	South East
WRK032538	Industrial, Irrigation, Miscellaneous	0.00m-2.00m CLAY 2.00m-7.50m SOFT BASALT 7.50m-10.50m BROWN CLAY 10.50m-22.00m FINE YELLOW SABD 22.00m-29.00m FINE GREY SANND 29.00m-30.00m GREY CLAY	1.00m-10.50m INNER LINING - CASING = Pvc 10.50m-22.00m INNER LINING - SCREEN = Pvc 22.00m-30.00m INNER LINING - SCREEN = Not Known			1997-08-29	799	West
WRK092730	Investigation	0.00m-0.50m FILL 0.50m-7.00m SILTY sandy clay & clayey sand	0.80m-4.00m INNER LINING - CASING = Pvc Class 18 4.00m-7.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-7.00m OUTER LINING - GRAVEL = Gravel			2016-03-08	821	South
WRK092729	Investigation	0.00m-0.50m FILL 0.50m-7.00m SILTY sandy clay & clayey sand	0.00m-4.00m INNER LINING - CASING = Pvc Class 18 4.00m-7.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-7.00m OUTER LINING - GRAVEL = Gravel			2016-03-08	869	South
WRK991284	Groundwater Investigation	0.00m-1.90m fill sand 1.90m-3.00m basalt gravel 3.00m-5.20m stiff orange yellow clayq	0.00m-1.70m INNER LINING - CASING = Pvc 1.70m-3.20m INNER LINING - SCREEN = Pvc 3.20m-5.20m INNER LINING - CASING = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-3.50m OUTER LINING - GRAVEL = Gravel 3.50m-5.20m OUTER LINING - GRAVEL = Bentonite			2009-05-18	882	South West
130151	Irrigation	0.00m-1.00m HEAVY BLACK TOPSOIL 1.00m-3.00m BLACK CLAY 3.00m-12.00m BROWN CLAY 12.00m-21.00m GRANITE SAND & GREY CLAY 21.00m-27.00m GREY TIGHT CLAY 27.00m-30.00m LIMESTONE 30.00m-42.00m WHITE CLAY & GRANITE FLOATERS				1996-11-01	915	North East
WRK983025							948	South West
WRK982138	Domestic & Stock					2007-07-05	1019	West
81394	Not Known					1950-12-31	1021	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK102050	Investigation	0.00m-0.20m CONCRETE 0.20m-0.50m FILL 0.50m-2.00m SANDY CLAY 2.00m-2.30m CALCRETE 2.30m-3.50m SANDY CLAY 3.50m-4.00m CALCRETE 4.00m-8.00m SANDY CLAY	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-8.00m OUTER LINING - GRAVEL = Gravel			2017-09-01	1030	South West
WRK102048	Investigation	0.00m-0.20m CONCRETE 0.20m-0.50m FILL 0.50m-2.00m SANDY CLAY 2.00m-2.30m CONCRETE 2.30m-3.50m SANDY CLAY 3.50m-4.00m CONCRETE 4.00m-8.00m SANDY CLAY	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-8.00m OUTER LINING - GRAVEL = Gravel			2017-09-01	1030	South West
WRK102051	Investigation	0.00m-0.20m CONCRETE 0.20m-0.50m FILL 0.50m-2.00m SANDY CLAY 2.00m-2.30m CALCRETE 2.30m-3.50m SANDY CLAY 3.50m-4.00m CALCRETE 4.00m-8.00m SANDY CLAY	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-8.00m OUTER LINING - GRAVEL = Gravel			2017-09-01	1030	South West
WRK102049	Investigation	0.00m-0.20m CONCRETE 0.20m-0.50m FILL 0.50m-2.00m SANDY CLAY 2.00m-2.30m CALCRETE 2.30m-3.50m SANDY CLAY 3.50m-4.00m CALCRETE 4.00m-8.00m SANDY CLAY	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-8.00m OUTER LINING - GRAVEL = Gravel			2017-09-01	1030	South West
130113	Irrigation	0.00m-4.00m GREY TOPSOIL 4.00m-7.00m BLACK CLAY 7.00m-20.00m BROWN SILTY CLAY 20.00m-25.00m GREY LIGHT BROWN CLAY 25.00m-28.00m BLOCKY LIMESTONE 28.00m-64.00m WEATHERED GRANITE AND GREY CLAY				1996-11-01	1049	North East
WRK983985							1055	West
142739	Groundwater Investigation	0.00m-1.50m CLAY SAND GRAVEL 1.50m-5.00m BASALT 5.00m-8.00m BASALT 8.00m-12.00m CLAYEY SAND	0.00m-7.50m INNER LINING - CASING = Pvc 7.50m-12.00m INNER LINING - SCREEN = Pvc 0.00m-6.50m OUTER LINING - GRAVEL = Cement 6.50m-7.00m OUTER LINING - GRAVEL = Bentonite 7.00m-12.00m OUTER LINING - GRAVEL = Gravel		7.50m-12.00m Sand	1998-09-14	1060	South West
142737	Groundwater Investigation	0.00m-1.50m CALY SAND GRAVEL 1.50m-5.00m BASALT 5.00m-8.00m BASALT 8.00m-12.00m CLAYEY SAND	0.00m-7.50m INNER LINING - CASING = Pvc 7.50m-12.00m INNER LINING - SCREEN = Pvc 0.00m-6.50m OUTER LINING - GRAVEL = Cement 6.50m-7.00m OUTER LINING - GRAVEL = Bentonite 7.00m-12.00m OUTER LINING - GRAVEL = Gravel		7.50m-12.00m Sand	1998-09-14	1060	South West
142738	Groundwater Investigation	0.00m-1.50m CLAY SAND GRAVEL 1.50m-5.00m BASALT 5.00m-8.00m BASALT 8.00m-12.00m CLAYEY SAND	0.00m-7.50m INNER LINING - CASING = Pvc 7.50m-12.00m INNER LINING - SCREEN = Pvc 0.00m-6.50m OUTER LINING - GRAVEL = Cement 6.50m-7.00m OUTER LINING - GRAVEL = Bentonite 7.00m-12.00m OUTER LINING - GRAVEL = Gravel		7.50m-12.00m Sand	1998-09-14	1060	South West
WRK071452	Observation	0.00m-2.00m FILL 2.00m-8.00m CLAY 8.00m-15.00m SAND	0.00m-4.30m OUTER LINING - GRAVEL = Cement 4.30m-4.80m OUTER LINING - GRAVEL = Bentonite 4.80m-13.00m OUTER LINING - GRAVEL = Seal		5.00m-13.00m Sand	2012-10-20	1060	West
WRK071453	Observation	0.00m-2.00m FILL 2.00m-8.00m CLAY 8.00m-15.00m SAND	0.00m-4.30m OUTER LINING - GRAVEL = Cement 4.30m-4.80m OUTER LINING - GRAVEL = Bentonite 4.80m-13.00m OUTER LINING - GRAVEL = Seal		5.00m-13.00m Sand	2014-10-20	1060	West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK071454	Observation	0.00m-2.00m FILL 2.00m-8.00m CLAY 8.00m-15.00m SAND	0.00m-4.30m OUTER LINING - GRAVEL = Cement 4.30m-4.80m OUTER LINING - GRAVEL = Bentonite 4.80m-13.00m OUTER LINING - GRAVEL = Seal		5.00m-13.00m Sand	2012-10-20	1060	West
WRK052624	Observation	0.00m-6.00m weathered basalt 6.00m-9.00m sandy clay 9.00m-12.50m clayey sands	0.00m-9.00m INNER LINING - CASING = Pvc 9.00m-12.50m INNER LINING - SCREEN = Pvc 0.00m-7.50m OUTER LINING - GRAVEL = Cement 7.50m-8.50m OUTER LINING - GRAVEL = Bentonite 8.50m-12.50m OUTER LINING - GRAVEL = Gravel		0.00m-9.00m Basalt 9.00m-12.50m Sand	2009-12-04	1063	West
WRK052616	Observation					2009-12-04	1068	West
WRK052619	Observation					2009-12-04	1068	West
WRK052617	Observation					2009-12-04	1068	West
WRK052623	Observation					2009-12-04	1069	West
WRK052626	Observation					2009-12-04	1069	West
WRK052615	Observation					2009-12-04	1070	West
WRK052614	Observation	0.00m-6.00m weathered basalt 6.00m-9.00m sandy clay 9.00m-13.00m clayey sands	11.50m-13.00m INNER LINING - SCREEN = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-11.00m OUTER LINING - GRAVEL = Bentonite 11.00m-13.00m OUTER LINING - GRAVEL = Gravel		0.00m-11.50m Clay 11.50m-13.00m Sand	2009-12-04	1070	West
WRK987566	Groundwater Investigation	0.00m-1.00m fill 1.00m-3.00m clay	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-10.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-10.00m OUTER LINING - GRAVEL = Gravel			2008-08-26	1086	South West
81391	Domestic, Stock		0.00m-167.33m INNER LINING - CASING = Not Known 167.33m-189.58m INNER LINING - SCREEN = Not Known			1963-12-31	1089	East
WRK978781	Domestic & Stock		0.00m-0.50m OUTER LINING - GRAVEL = Cement			2007-03-09	1093	North
114413	Groundwater Investigation	0.00m-1.25m GREY-BROWN MOTTLED CLAY 1.25m-5.50m GREY-BROWN BASALT	-0.50m-3.50m INNER LINING - CASING = Pvc Class 12 3.50m-5.50m INNER LINING - SCREEN = Pvc Class 12 0.00m-2.00m OUTER LINING - GRAVEL = Cement			1990-04-30	1128	North East
114412	Groundwater Investigation	0.00m-1.25m GREY-BROWN MOTTLED CLAY 1.25m-5.50m GREY-BROWN BASALT 5.50m-6.75m LIGHT GREY SILTY SAND 6.75m-7.75m MOTTLED GREY BROWN CLAY 7.75m-9.00m GREY BROWN CLAYISH SANDS 9.00m-10.00m GREY BROWN SANDY CLAY 10.00m-11.00m GREY-BROWN SILTY SAND 11.00m-12.50m BROWN FINE-COARSE SAND 12.50m-24.00m BROWN-ORANGE SANDY CLAY	-0.25m-17.95m INNER LINING - CASING = Pvc Class 12 17.95m-24.00m INNER LINING - SCREEN = Pvc Class 12 8.25m-10.00m OUTER LINING - GRAVEL = Cement			1990-04-30	1128	North East
104979	Not Known					1956-12-31	1134	North East
57127	Domestic, Stock	0.00m-1.00m TOP SOIL & CLAY 1.00m-2.00m CLAY 2.00m-6.00m CLAY & SANDSTONE 6.00m-10.00m CLAY 10.00m-11.00m ROCK 11.00m-12.00m CLAY 12.00m-13.00m ROCK 13.00m-14.00m SILTY CLAY 14.00m-19.00m COARSE RIVER WASH 19.00m-31.00m BROWN CLAY	-0.30m-14.00m INNER LINING - CASING = Pvc 14.00m-19.00m INNER LINING - SCREEN = Pvc 19.00m-31.00m INNER LINING - CASING = Pvc		14.00m-19.00m Gravel	1990-06-10	1140	North East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
111623	Groundwater Investigation	0.00m-0.75m GREY - BROWN CLAY 0.75m-1.50m WEATHERED BASALT 1.50m-3.75m WHITE CLAY 3.75m-5.00m WHITE - YELLOW FINE SILTY SAND 5.00m-6.00m ORANGE BROWN - GREY CLAY 6.00m-6.50m GREY SILTY CLAY 6.50m-10.00m FINE FAWN SILTY SAND 10.00m-10.50m F - C QUARTZ SAND 10.50m-11.50m F - C QUARTZ SAND 11.50m-14.00m BROWN SANDY CLAY	-0.75m-7.25m INNER LINING - CASING = Pvc Class 12 7.25m-14.00m INNER LINING - SCREEN = Pvc Class 12 4.50m-5.50m OUTER LINING - GRAVEL = Bentonite 5.50m-14.00m OUTER LINING - GRAVEL = Gravel		7.25m-14.00m Sand	1991-01-15	1179	East
104978	Not Known					1956-12-31	1215	North East
WRK077129	Observation	0.00m-0.45m SAND 0.45m-3.50m CLAY 3.50m-5.50m SILT	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-5.50m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-5.50m OUTER LINING - GRAVEL = Gravel		2.50m-5.50m Silt	2013-11-29	1219	South West
114410	Groundwater Investigation	0.00m-1.00m GREY-BROWN MOTTLED CLAY 1.00m-6.50m GREY-BROWN BASALT 6.50m-7.75m FINE GREY-BROWN SAND 7.75m-9.00m GREY-ORANGE SANDY CLAY 9.00m-11.50m FINE-COARSE BROWN-ORANGE SAND 11.50m-13.50m MEDIUM-COARSE YELLOW BROWN SAND	-0.25m-9.50m INNER LINING - CASING = Pvc Class 12 9.50m-13.50m INNER LINING - SCREEN = Pvc Class 12 6.25m-7.25m OUTER LINING - GRAVEL = Cement			1990-05-04	1219	North East
WRK077128	Observation	0.00m-0.45m SAND 0.45m-3.50m CLAY 3.50m-5.50m SILT	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-5.50m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-5.50m OUTER LINING - GRAVEL = Gravel		2.50m-5.50m Silt	2013-11-29	1219	South West
114411	Groundwater Investigation	0.00m-1.00m GREY-BROWN MOTTLED CLAY 1.00m-6.25m GREY-BROWN BASALT	-0.50m-3.50m INNER LINING - CASING = Pvc Class 12 3.50m-6.25m INNER LINING - SCREEN = Pvc Class 12 0.00m-2.00m OUTER LINING - GRAVEL = Cement			1990-05-04	1220	North East
116015	Groundwater Investigation	0.00m-1.00m DARK BROWN TOP SOIL 1.00m-1.50m GREY CLAY 1.50m-3.50m BROWN BASALT 3.50m-5.00m WHITE-TAN SANDY CLAY 5.00m-7.50m CLAY 7.50m-8.00m BLUE-GREY LIMESTONE 8.00m-9.75m TAN CLAY 9.75m-10.50m SANDY CLAY 10.50m-14.00m TAN TO ORANGE SAND				1993-04-21	1240	East
WRK985525							1249	North West
WRK069527	Observation					2012-05-18	1266	South West
WRK069528	Observation					2012-05-18	1267	South West
WRK069526	Observation	0.00m-3.00m CLAY 3.00m-8.00m SAND	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-8.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-3.00m OUTER LINING - GRAVEL = Gravel		2.50m-8.00m Sand	2012-05-18	1267	South West
WRK982095	Domestic & Stock		0.00m-0.50m OUTER LINING - GRAVEL = Cement			2007-07-06	1330	North East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK973511	Domestic & Stock		0.00m-5.00m INNER LINING - CASING = Pvc Class 18 5.00m-9.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-2.30m OUTER LINING - GRAVEL = Cement 2.30m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.00m OUTER LINING - GRAVEL = Gravel			2006-05-19	1349	South West
WRK978846	Domestic & Stock		0.50m-13.50m INNER LINING - CASING = Pvc 13.50m-17.00m INNER LINING - SLOT = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement			2007-03-06	1362	North East
81393	Not Known					1970-12-31	1373	South East
WRK979321	Domestic & Stock		0.00m-0.50m OUTER LINING - GRAVEL = Cement			2007-03-07	1388	North East
WRK975380	Domestic & Stock		0.00m-0.50m OUTER LINING - GRAVEL = Cement			2007-03-08	1388	North East
140217	Domestic	0.00m-0.50m OVERBURDEN 0.50m-2.50m GREY CLAY 2.50m-11.00m BASALT 11.00m-15.50m GREY CLAY 15.50m-24.00m BROWN CLAY 24.00m-26.50m BROWN SAND 26.50m-27.00m BLUE CLAY	-0.10m-24.00m INNER LINING - CASING = Pvc 24.00m-27.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement			2000-02-06	1393	North East
WRK980064							1430	South
116016	Groundwater Investigation	0.00m-0.50m BROWN TOP SOIL 0.50m-2.50m CREAM-BROWN CLAY 2.50m-3.00m BROWN BASALT 3.00m-4.00m WHITE-TAN CLAYEY SAND 4.00m-8.00m WHITE-TAN LIMESTONE 8.00m-14.00m BROWN CLAYEY SAND	-0.20m-2.00m INNER LINING - CASING = Pvc Class 12 2.00m-5.00m INNER LINING - SCREEN = Pvc Class 12			1993-04-21	1465	East
WRK982896							1505	South West
WRK070999	Observation					2012-09-14	1538	South West
WRK070998	Observation	0.00m-0.20m FILL 0.20m-6.00m CLAY	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel		3.00m-6.00m Clay	2012-09-13	1539	South West
WRK087961	Investigation	0.00m-8.00m CLAYEY SAND & SANDY CLAY	0.00m-5.00m INNER LINING - CASING = Pvc Class 12 5.00m-8.00m INNER LINING - SCREEN = Pvc Class 12 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-4.00m OUTER LINING - GRAVEL = Bentonite 4.00m-8.00m OUTER LINING - GRAVEL = Gravel				1541	South West
WRK094785	Observation	0.00m-2.40m FILL 2.40m-12.00m BASALT 12.00m-13.90m Werribee Formation	0.00m-10.90m INNER LINING - CASING = UPVC class 18 10.90m-13.90m INNER LINING - SCREEN = UPVC class 18 0.00m-9.50m OUTER LINING - GRAVEL = Cement 9.50m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-13.90m OUTER LINING - GRAVEL = Gravel			2016-06-24	1552	North West
WRK978789	Domestic & Stock		0.00m-0.50m OUTER LINING - GRAVEL = Cement			2007-03-07	1553	North East
WRK098224	Domestic & Stock	0.00m-4.00m BROWN Clay 4.00m-10.00m BROWN Sandy Clay 10.00m-16.50m D&A Grey Clay 16.50m-17.50m Yellow Sandy Clay 17.50m-18.50m SAND 18.50m-21.50m GRAVEL	0.50m-16.50m INNER LINING - CASING = Pvc 16.50m-21.50m INNER LINING - SLOT = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement			2017-01-26	1561	North East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK087960	Investigation	0.00m-8.00m CLAYEY SAND & SANDY CLAY	0.00m-5.00m INNER LINING - CASING = Pvc Class 12 5.00m-8.00m INNER LINING - SCREEN = Pvc Class 12 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-4.00m OUTER LINING - GRAVEL = Bentonite 4.00m-8.00m OUTER LINING - GRAVEL = Gravel				1564	South West
WRK087959	Investigation	0.00m-8.00m CLAYEY SAND & SANDY CLAY	0.00m-5.00m INNER LINING - CASING = Pvc Class 12 5.00m-8.00m INNER LINING - SCREEN = Pvc Class 12 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-4.00m OUTER LINING - GRAVEL = Bentonite 4.00m-8.00m OUTER LINING - GRAVEL = Gravel				1583	South West
WRK062315	Observation	0.00m-1.00m FILL 1.00m-8.00m CLAY	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-3.50m OUTER LINING - GRAVEL = Cement 3.50m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-8.00m OUTER LINING - GRAVEL = Gravel		0.00m-5.00m Clay 5.00m-8.00m Clay	2011-05-17	1585	South West
WRK062312	Observation					2011-05-18	1585	South West
WRK062318	Observation					2011-05-19	1585	South West
WRK062313	Observation					2011-05-18	1585	South West
WRK062314	Observation	0.00m-1.00m FILL 1.00m-6.50m CLAY	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-6.50m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-6.50m OUTER LINING - GRAVEL = Gravel		0.00m-3.50m Clay 3.50m-6.50m Clay	2011-05-18	1585	South West
81407	Not Known	0.00m-9.00m TOPSOIL 9.00m-11.00m DECOMPOSED BASALT 11.00m-15.24m CLAY AND SAND 15.24m-32.00m SILTY CLAY				1982-12-09	1592	West
WRK087958	Investigation	0.00m-8.00m CLAYEY SAND & SANDY CLAY	0.00m-5.00m INNER LINING - CASING = Pvc Class 12 5.00m-8.00m INNER LINING - SCREEN = Pvc Class 12 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-4.00m OUTER LINING - GRAVEL = Bentonite 4.00m-8.00m OUTER LINING - GRAVEL = Gravel				1625	South West
WRK990033	Groundwater Investigation					2009-02-26	1630	South West
WRK087957	Investigation	0.00m-8.00m CLAYEY SAND AND SANDY CLAY	0.00m-5.00m INNER LINING - CASING = Pvc Class 12 5.00m-8.00m INNER LINING - SCREEN = Pvc Class 12 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-4.00m OUTER LINING - GRAVEL = Bentonite 4.00m-8.00m OUTER LINING - GRAVEL = Gravel			2015-10-05	1641	South West
WRK976565	Domestic & Stock		0.50m-19.00m INNER LINING - CASING = Pvc 19.00m-21.00m INNER LINING - SLOT = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement			2006-12-12	1658	North East
WRK094784	Observation	0.00m-2.40m FILL 2.40m-14.00m BASALT 14.00m-15.00m WERRIBEE FORMATION	0.00m-12.90m INNER LINING - CASING = Pvc 12.90m-15.00m INNER LINING - SCREEN = Pvc 0.50m-9.50m OUTER LINING - GRAVEL = Cement 9.50m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-15.00m OUTER LINING - GRAVEL = Gravel			2016-06-24	1660	North West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
104997	Domestic, Stock	0.00m-18.00m CLAY 18.00m-24.00m SAND	0.00m-18.00m INNER LINING - CASING = Steel 18.00m-24.00m INNER LINING - SCREEN = Steel		18.00m-24.00m Sand	1983-01-20	1717	North East
WRK983651							1823	North East
WRK057730	Observation					2010-12-20	1833	South
WRK057728	Observation					2010-12-20	1833	South
WRK974068	Domestic & Stock		0.50m-15.00m INNER LINING - CASING = Pvc 15.00m-21.00m INNER LINING - SLOT = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement			2006-07-02	1836	North East
105001	Domestic, Stock	0.00m-6.00m CLAY 6.00m-7.50m BASALT AND CLAY 7.50m-9.10m BASALT 9.10m-22.25m SAND	0.00m-10.00m INNER LINING - CASING = Steel 10.00m-22.25m INNER LINING - SCREEN = Steel 0.00m-22.25m OUTER LINING - GRAVEL = Gravel		10.00m-22.25m Sand	1986-12-18	1899	North East
WRK986447							1927	North East

Boreholes WMIS Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Groundwater Boreholes

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Boreholes (Earth Resources Database)

Boreholes from the Earth Resources dataset, within the dataset buffer:

Bore Id	Bore Type	Company	Usage	Method	Status	Drill Date	Depth	Elevation	Accuracy (m)	Dist (m)	Direct
942655		CRA Exploration Pty Ltd		Rotary mud drilling	Completed	14/10/1981	140.00		25	211	North
320440		Private Individual/Corporation		Rotary (diamond/drag bit)		14/10/1981	140.00	20.00	300	213	North
81406		Private Individual/Corporation		Air Percussion/Air Rotary	Abandoned	06/06/1984	36.00		100	789	South East
81391		Department of Manufacturing & Industry Development	Domestic water supply			31/12/1963	211.84	5.48	100	1374	East
81407		Private Individual/Corporation		Air Percussion/Air Rotary	Abandoned	09/12/1982	32.00		100	1595	West
104997		Private Individual/Corporation	Domestic & Stock water supply	Percussion (cable)		20/01/1983	24.00	10.00	100	1704	North East
105001		Private Individual/Corporation	Domestic & Stock water supply	Percussion (cable)		18/12/1986	22.25	14.00	10	1888	North East

Boreholes Earth Resources Data Source: © The State of Victoria, Department of Economic Development, Jobs, Transport and Resources 2015. Creative Commons Attribution 3.0 Australia

Boreholes (Federation University)

Boreholes from the Federation University Australia dataset, within the dataset buffer:

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
140327		Groundwater	Investigation		D: 0.000m-1.100m Fill D: 1.100m-4.400m Clayey Sand D: 4.400m-5.200m Sandy Clay D: 5.200m-7.800m Clayey Sand	0	Onsite
S9031765/1	Private Landholders Bore	Groundwater				0	Onsite
140308		Groundwater	Investigation		D: 0.000m-1.500m Fill D: 7.500m-7.500m Silty Clay	0	Onsite
140309		Groundwater	Investigation		D: 0.000m-0.700m Fill D: 0.700m-7.500m Clay	1	South
140313		Groundwater	Investigation		D: 0.000m-1.500m Fill D: 1.500m-3.400m Gravelly Clay D: 3.400m-8.000m Clayey Sand	3	South
140322		Groundwater	Investigation		D: 0.000m-1.100m Fill D: 1.100m-2.800m Sandy Clay D: 2.800m-2.900m Gravel D: 2.900m-3.800m Clay D: 3.800m-4.100m Clastic Gravel D: 4.100m-5.100m Clay D: 5.100m-8.000m Sandy Clay	3	South

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
140321		Groundwater	Investigation		D: 0.000m-2.400m Fill D: 2.400m-3.600m Clayey Sand D: 3.600m-3.900m Gravel D: 3.900m-7.000m Clayey Sand	12	South
140323		Groundwater	Investigation		D: 0.000m-3.000m Fill D: 3.000m-4.500m Sandy Clay D: 4.500m-7.800m Gravels D: 7.800m-8.000m Sandstone	32	South
121456	Rural Water Commission / Corporation (1984 - 1995)	Groundwater	Observation State Observation Network		D: 0.000m-1.500m Dark Brown Clay D: 1.500m-2.400m Orange Fine Sandy Clay D: 2.400m-4.500m Orange Fine Sand Minor Clay Layers & Hard Band At	49	South
121457	Rural Water Commission / Corporation (1984 - 1995)	Groundwater	Observation State Observation Network		D: 0.000m-1.500m Dark Brown Clay D: 1.500m-2.400m Fine Orange Sandy Clay D: 2.400m-4.500m Fine Orange Sand D: 4.500m-6.000m Stiff Grey Clay D: 6.000m-8.000m Fine To Medium Grained Sand Orange With Some Minor D: 8.000m-10.000m Fine Grained Silty Sand Orange Hard Bands At 9.8 M D: 10.000m-12.000m Fine Grained Silty Sand Orange With Minor Clay Lay	50	South
140329		Groundwater	Investigation		D: 0.000m-1.900m Sandy Clay D: 1.900m-6.500m Clay D: 6.500m-8.000m Sandy Clay D: 8.000m-12.500m Clay	53	South
140332		Groundwater	Investigation		D: 0.000m-7.500m Silty Clay	53	South
140328		Groundwater	Investigation		D: 0.000m-1.100m Fill D: 1.100m-3.500m Sandy Clay D: 3.500m-4.400m Gravel D: 4.400m-7.100m Clayey Sand D: 7.100m-8.000m Sandy Clay	70	South
140325		Groundwater	Investigation		D: 0.000m-0.900m Fill D: 0.900m-2.100m Sandy Clay D: 2.100m-6.800m Sand D: 6.800m-7.500m Clay	104	South West
104976	Private Landholders Bore					108	North East
140331		Groundwater	Investigation		D: 0.000m-6.000m Clay	111	South
140330		Groundwater	Investigation		D: 0.000m-2.500m Clay D: 2.500m-5.200m Silty Clay D: 5.200m-12.000m Clay	112	South
115471		Groundwater	Domestic	6834.00	D: 0.000m-1.500m Overburden D: 1.500m-5.500m Clay D: 5.500m-15.000m Basalt D: 15.000m-20.000m Clay Grey D: 20.000m-27.500m Clay Broan D: 27.500m-35.000m Fine Sand	116	North East
140326		Groundwater	Investigation		D: 0.000m-0.100m Asphalt D: 0.100m-0.500m Fill D: 0.500m-1.300m Sandy Clay D: 1.300m-4.600m Clayey Sand D: 4.600m-5.000m Sandy Clay D: 5.000m-7.500m Clay	149	South West
140307		Groundwater	Investigation		D: 0.000m-0.200m Fill D: 0.200m-1.100m Clay D: 1.100m-2.100m Clayey Sand D: 2.100m-8.100m Sand D: 8.100m-10.000m Clayey Sand	162	South West
140306		Groundwater	Investigation		D: 0.000m-1.500m Fill D: 1.500m-2.200m Sandy Clay D: 2.200m-4.500m Gravelly Clay D: 4.500m-4.700m Gravel D: 4.700m-8.400m Gravelly Clay D: 8.400m-9.000m Sandy Clay D: 9.000m-9.100m Clay	164	South West
140319		Groundwater	Investigation		D: 0.000m-0.100m Asphalt D: 0.100m-0.300m Fill D: 0.300m-1.800m Sandy Clay D: 1.800m-4.700m Gravelly Sand D: 4.700m-6.600m Sandy Clay	168	South West

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
140320		Groundwater	Investigation		D: 0.000m-0.100m Asphalt D: 0.100m-0.900m Sand D: 0.900m-2.800m Sandy Clay D: 2.800m-7.500m Sand	168	South West
140324		Groundwater	Investigation		D: 0.000m-1.200m Fill D: 1.200m-1.500m Sandy Clay D: 1.500m-1.600m Gravel D: 1.600m-3.800m Sandy Clay D: 3.800m-4.100m Clayey Sand D: 4.100m-7.100m Sandy Clay D: 7.100m-7.200m Gravel D: 7.200m-7.500m Sandy Clay	179	South West
140305		Groundwater	Investigation		D: 0.000m-3.000m Fill D: 3.000m-9.000m Silty Clay	182	South West
320440	Department of Mines (1860 - 1895)		Non Groundwater			211	North
942655	Exploration Company - Minerals and Petroleum	Coal	Non Groundwater		g: 0.000m-9.000m Basalt g: 9.000m-12.000m Fine Qtz Sand g: 12.000m-24.000m Clay And Sand g: 24.000m-80.000m Brown/Grey Clay With Shelly Fragments g: 80.000m-86.000m Sand Clay With Shelly Fragments g: 86.000m-118.000m Grey Brown Silty Clay g: 118.000m-138.000m Grey Clay With Shell Fragments, Abundant Lst Chips	211	North
134529		Groundwater	Investigation		D: 0.000m-0.300m Fill, Gravel, Sand, Clay D: 0.300m-7.500m Silty Clay	213	South West
S9033455/1		Groundwater				217	North
134528		Groundwater	Investigation		D: 0.000m-0.300m Fill, Gravel, Sand, Clay D: 0.300m-7.500m Silty Clay	231	South West
75056	Private Landholders Bore	Groundwater	Domestic	3401.00	D: 0.000m-2.000m Soil D: 2.000m-4.500m Clay D: 4.500m-6.200m Soft Basalt D: 6.200m-9.300m Clay D: 9.300m-18.500m Sand D: 18.500m-19.000m Clay	242	North East
140296		Groundwater	Investigation		D: 0.000m-2.000m Clay D: 2.000m-2.500m Silty Clay D: 2.500m-5.500m Clay	271	South West
140304		Groundwater	Investigation		D: 0.000m-0.100m Asphalt D: 0.100m-0.200m Fill D: 0.200m-1.500m Fill D: 1.500m-7.000m Sandy Clay	320	South West
140295		Groundwater	Investigation		D: 0.000m-4.600m Fill D: 4.600m-6.500m Clay	348	South West
140318		Groundwater	Investigation		D: 0.000m-1.200m Fill D: 1.200m-1.500m Gravely Clay D: 1.500m-5.800m Sandy Clay D: 5.800m-5.900m Gravel D: 5.900m-7.500m Sandy Clay	349	South West
140299		Groundwater	Investigation		D: 0.000m-0.100m Asphalt D: 0.100m-1.400m Fill D: 1.400m-5.700m Sandy Clay D: 5.700m-5.800m Gravel D: 5.800m-7.500m Sandy Clay	374	South West
140317		Groundwater	Investigation		D: 0.000m-1.100m Silty Sand D: 1.100m-5.700m Sand D: 5.700m-8.000m Clayey Sand	427	South West
140290		Groundwater	Investigation		D: 0.000m-3.400m Fill D: 3.400m-5.300m Sandy Clay	435	South West
140293		Groundwater	Investigation		D: 0.000m-5.000m Fill D: 5.000m-6.000m Silty Clay D: 6.000m-6.500m Sandy Clay D: 6.500m-7.500m Clay	466	South West
140292		Groundwater	Investigation		D: 0.000m-4.000m Fill D: 4.000m-8.000m Sandy Clay	474	South West
140298		Groundwater	Investigation		D: 0.000m-2.000m Fill D: 2.000m-8.000m Sandy Clau	485	South West

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
140316		Groundwater	Investigation		D: 0.000m-0.100m Fill D: 0.100m-0.500m Silty Clay D: 0.500m-1.300m Sandy Clay D: 1.300m-2.100m Orange Sandy Clay D: 2.100m-6.000m Clayey Sand D: 6.000m-7.500m Sandy Clay	518	South West
140315		Groundwater	Investigation		D: 0.000m-1.200m Fill D: 1.200m-1.700m Clay D: 1.700m-2.900m Silty Sand D: 2.900m-3.800m Sandy Clay D: 3.800m-4.100m Sand D: 4.100m-7.200m Clayey Sand D: 7.200m-7.400m Siltstone Gravel D: 7.400m-8.200m Clayey Sand D: 8.200m-8.500m Sandy Clay	539	South West
S9026003/1		Groundwater	Domestic and Stock			546	South West
140294		Groundwater	Investigation		D: 0.000m-4.000m Fill	565	South West
140314		Groundwater	Investigation		D: 0.000m-0.100m Asphalt D: 0.100m-1.200m Fill D: 1.200m-3.900m Sandy Clay D: 3.900m-4.300m Clayey Sand D: 4.300m-7.200m Sandy Clay D: 7.200m-7.200m Gravel D: 7.200m-8.200m Sandy Clay D: 8.200m-8.300m Gravel D: 8.300m-8.500m Sandy Clay	568	South West
116014		Groundwater	Investigation		D: 0.000m-13.800m Land Fill D: 13.800m-14.800m H W Basalt D: 14.800m-16.000m M W Lenses D: 16.000m-24.600m Silty Clayey Sands	598	North East
121449	Rural Water Commission / Corporation (1984 - 1995)	Groundwater	Observation State Observation Network		D: 0.000m-1.500m Dark Brown Sandy Clay D: 1.500m-6.000m Grey Clayey Very Weathered Basalt D: 6.000m-9.500m Grey Basalt Weathered Towards Base	644	North East
121450	Rural Water Commission / Corporation (1984 - 1995)	Groundwater	Observation State Observation Network		D: 0.000m-1.500m Dark Brown Sandy Clay D: 1.500m-6.000m Very Weathered Clayey Grey Basalt D: 6.000m-9.000m Grey Basalt D: 9.000m-10.000m Grey Weathered Basalt D: 10.000m-11.500m Grey Fine Clayey Sand D: 11.500m-13.000m Yellow Brown Medium To Fine Sand	645	North East
115255		Groundwater	Investigation		D: 0.000m-1.500m Brown Orange Clay D: 1.500m-4.500m Blue-Grey Gravelly Clay D: 4.500m-5.500m Green-Grey Gritty Clay D: 5.500m-6.200m Blue-Green Gritty Clay	645	South West
140297		Groundwater	Investigation		D: 0.000m-0.900m Fill D: 0.900m-1.700m Sandy Clay D: 1.700m-2.000m Gravel D: 2.000m-4.800m Sandy Clay D: 4.800m-8.000m Clayey Sand	674	South West
115254		Groundwater	Investigation		D: 0.000m-3.500m Brown Gritty Clay D: 3.500m-4.500m Grey-Black-Brown Gritty Clay D: 4.500m-5.500m Blue-Grey Fritty Clay D: 5.500m-6.700m Blue-Grey Silty Clay	675	South West
111632		Groundwater	Investigation		D: 0.000m-1.500m Dark Brown Clay D: 1.500m-7.000m Orange Weathered Basalt D: 7.000m-8.000m Grey White Silty Sand D: 8.000m-8.750m Orange Brown Silty Clay D: 8.750m-9.000m Fine Grey Silty Sand D: 9.000m-14.000m Yellow Brown F-C Sands	698	North East
114408		Groundwater	Investigation		D: 0.000m-2.500m Grey-Brown Mottled Clay D: 2.500m-6.000m Grey-Brown Basalt D: 6.000m-7.000m Red-Grey Mottled Clay D: 7.000m-9.500m Medium-Fine Grey Brown Yellow Sandy Clay D: 9.500m-10.500m Fine-Coarse Brown Sand D: 10.500m-13.500m Brown-Yellow Fine-Coarse Sand	701	North East
114409		Groundwater	Investigation		D: 0.000m-2.500m Grey-Brown Mottled Clay D: 2.500m-6.000m Grey-Brown Basalt	702	North East

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
121452	Rural Water Commission / Corporation (1984 - 1995)	Groundwater	Observation State Observation Network		D: 0.000m-1.000m Dark Brown Clay D: 1.000m-2.000m Mottled Black Orange Clay D: 2.000m-3.000m Fine Orange Clayey Sand D: 3.000m-5.000m Fine Mottled Orange Grey Sand (Hard Bands) D: 5.000m-6.000m Fine Orange Clayey Sand	733	South West
114414		Groundwater	Investigation		D: 0.000m-1.500m Mottled Grey-Brown Clay D: 1.500m-8.500m Grey-Brown Basalt D: 8.500m-9.750m Grey-Brown Silty Sand D: 9.750m-11.000m Grey-Orange Sandy Clay D: 11.000m-12.250m Brown-Orange Sandy Clay D: 12.250m-16.000m Light Grey-Orange Fine Silty Sand D: 16.000m-18.000m Yellow-Brown To Light Grey Gravelly Sand	736	North East
140291		Groundwater	Investigation		D: 0.000m-0.400m Sandy Clay D: 0.400m-2.500m Fill D: 2.500m-4.200m Sand D: 4.200m-5.400m Clay D: 5.400m-6.100m Sand D: 6.100m-7.500m Sandy Clay	736	South West
114415		Groundwater	Investigation		D: 0.000m-1.500m Mottled Grey-Brown Clay D: 1.500m-8.500m Grey-Brown Basalt	737	North East
115253		Groundwater	Investigation		D: 0.000m-4.000m Brown Gritty Clay D: 4.000m-6.400m Fawn-Grey Gritty Clay	740	South West
115252		Groundwater	Investigation		D: 0.000m-2.000m Brown Gritty Clay D: 2.000m-4.000m Fill Clay & Rubble D: 4.000m-6.500m Grey-White Gritty Clay	748	South West
115251		Groundwater	Investigation		D: 0.000m-3.500m Fill Clay & Rubble D: 3.500m-8.000m White-Grey Gritty Clay	773	South West
81406	Private Landholders Bore	Groundwater			D: 0.000m-1.500m Brown Earth And Stiff Clay D: 1.500m-22.000m Very Decayed Brown Basalt With Intersections Of Me D: 22.000m-28.000m Sandy Yellow Clay D: 28.000m-36.000m Silty Dark Grey Sedimentary Clay	790	South East
131464		Groundwater	Industrial (IN) Miscellaneous (MI) Irrigation (IR)		D: 0.000m-2.000m Clay D: 2.000m-7.500m Soft Basalt D: 7.500m-10.500m Brown Clay D: 10.500m-22.000m Fine Yellow Sabd D: 22.000m-29.000m Fine Grey Sannd D: 29.000m-30.000m Grey Clay	799	West
104977						879	North East
S9038118/1		Groundwater	Groundwater Investigation		D: 0.000m-1.900m Fill Sand D: 1.900m-3.000m Basalt Gravel D: 3.000m-5.200m Stiff Orange Yellow Clayq	882	South West
130151		Groundwater	Irrigation		D: 0.000m-1.000m Heavy Black Topsoil D: 1.000m-3.000m Black Clay D: 3.000m-12.000m Brown Clay D: 12.000m-21.000m Granite Sand & Grey Clay D: 21.000m-27.000m Grey Tight Clay D: 27.000m-30.000m Limestone D: 30.000m-42.000m White Clay & Granite Floaters	915	North East
S9032422/1	Private Landholders Bore	Groundwater				948	South West
S9031745/1	Private Landholders Bore	Groundwater				1019	West
81394	Private Landholders Bore	Groundwater				1021	East
130113		Groundwater	Irrigation		D: 0.000m-4.000m Grey Topsoil D: 4.000m-7.000m Black Clay D: 7.000m-20.000m Brown Silty Clay D: 20.000m-25.000m Grey Light Brown Clay D: 25.000m-28.000m Blocky Limestone D: 28.000m-64.000m Weathered Granite And Grey Clay	1049	North East
S9033092/1		Groundwater				1055	West
142737		Groundwater	Investigation		D: 0.000m-1.500m Caly Sand Gravel D: 1.500m-5.000m Basalt D: 5.000m-8.000m Basalt D: 8.000m-12.000m Clayey Sand	1060	South West

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
142738		Groundwater	Investigation		D: 0.000m-1.500m Clay Sand Gravel D: 1.500m-5.000m Basalt D: 5.000m-8.000m Basalt D: 8.000m-12.000m Clayey Sand	1060	South West
142739		Groundwater	Investigation		D: 0.000m-1.500m Clay Sand Gravel D: 1.500m-5.000m Basalt D: 5.000m-8.000m Basalt D: 8.000m-12.000m Clayey Sand	1060	South West
S9035397/1		Groundwater	Groundwater Investigation		D: 0.000m-1.000m Fill D: 1.000m-3.000m Clay	1086	South West
81391	Department of Mines (1860 - 1895)	Groundwater	Domestic Stock		G: 0.000m-0.610m Clay: Sandy Fossiliferous, Dark Grey Sa Grains Fine-Medium Grained Rounded G: 0.610m-3.658m Clay: Marly, 10% Skeletal Carbonate Content, Some Fine Sand And Limonitic Grains, Greyish Brown G: 3.658m-4.267m Basalt: Fine Grained, Vesicular, Partially Decomposed And Ferruginized G: 4.267m-10.363m Sand: Calcareous Very Fine Grained, Som Medium To Coarse Grains Sub Rounded, Becoming More Rounded In Coarser Particles Light Grey G: 10.363m-10.973m Sand: Non Calcareous Fine To Medium Grained, Poorly Sorted Sub Angular To Rounded Yellow With Dark Brown Nodules Sandy Clay And Some Rounded Granules G: 10.973m-31.699m Clay: Silty Sandy Very Fine, Yellow To Pale Brown, Calcareous In Part, Probabl In Excess Of 5% In Very Fine Particles. Some Mica Is Noted But No Fossils G: 31.699m-35.052m Limestone: With Small Percent Fine Silt And Sand, Pale Brown Autochthonous, Wit Up To20% Fossil Content G: 35.052m-42.672m Marl: Limey, Greyish Brown To Yellow,1 Fossil Content, 60% Approx. Calcareous Content, Fine Silt Size G: 42.672m-60.960m Marl: Limey As Above, Richly Fossiliferous G: 60.960m-69.495m Marl: Higher Clay Content Than Above, Richly Grey, Some Fine Sand Content, Mi Etc. Up To30% Foraminifera Noted G: 69.495m-80.163m Marl: Clayey, Very Fine Grained Some Si Content, Grey, Macrofossil Remains Note G: 80.163m-82.601m Limestone: Polyzoal Largely, 60% Skelet Small Non Calcerous Content, Most Skeletons Ar Broken And Eroded, Light Brownish Grey (Batesfordian) G: 82.601m-94.793m Marl: Limey, 50% Skeletal Calcareous Content, 20% Detrial, Light Brownish Gr Macrofossil And Microfossil Fragments G: 94.793m-101.499m Limestone: Sandy Medium To Coarse Grain With Polyzoal And Macrofossil Remains. Sand Grey Translucent Quartz, Subangul High Porosity, Poorly Sorted G: 101.499m-156.363m Marl: At Least 50% Detrial Calcareous Content, With Polyzoal And Macrofossil Remains, Light Brownish Grey G: 156.363m-160.020m Marl: Dark Grey, Highly Fossiliferous, Low Silt Content G: 160.020m-164.897m Marl: Limey, Light Brownish Grey, Calcareous Content As Fragmental, Very Fine Grained Shell And Microfossils 40- % Mica Noted, Also Calcareous Reorystallized Sandy Limestone Nodules G: 164.897m-167.336m Marl: Limey, Light Olive Brown, 20% Fossil Content And Calcareous Fragments Forams, Gasteropods Commonest Fossils, Elastic Silica Very Fine Grained Clear, Sub Angular Approx.5% Recrystallized Calcareous, Ferruginized (Dolomitized) Sandy Limestone Nodules G: 167.336m-189.586m Limestone: White (8/2) Sandy, With Very Fine Grained, Rounded White Opaque. Limestone Chalky Detrial (Calclutite) High Porosity, Well Sorted, Cemented G: 189.586m-200.559m Marl Limestone: Grey (6/1) Friable, Ver Very High Calcareous Content As Very Fine Sand Size Fragments Some Nodules O Coarse Size (Phosphate)?, With 15-20% Very Fine Sand Content, Some Clay Size. Main Recognizable Fossils Are Forams. Fossils G: 200.559m-207.569m Marl: Dark Grey (4/1) Friable, Calcareo Content In Clay To Silt Size Fragments, And In Coarse Gasterpod Fragments, Dontallium Being Common. Silt Content Varies Up To30%. Glanconite Is Common. Some Medium Grained, Sand Particles Are Seen, As Rounded Clear G: 207.569m-211.836m Siltstone: Calcareous, Light Grey (7/2) Very Friable, Poorly Up To Fine Sand. Sand Content40%, Calcareous Content Is As Cement Approx. 30-40%. Fossil Remain Present	1089	East

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
S9029004/1		Groundwater	Domestic and Stock			1093	North
104979	Private Landholders Bore	Groundwater				1127	North East
114412		Groundwater	Investigation		D: 0.000m-1.250m Grey-Brown Mottled Clay D: 1.250m-5.500m Grey-Brown Basalt D: 5.500m-6.750m Light Grey Silty Sand D: 6.750m-7.750m Mottled Grey Brown Clay D: 7.750m-9.000m Grey Brown Clayish Sands D: 9.000m-10.000m Grey Brown Sandy Clay D: 10.000m-11.000m Grey-Brown Silty Sand D: 11.000m-12.500m Brown Fine-Coarse Sand D: 12.500m-24.000m Brown-Orange Sandy Clay	1128	North East
114413		Groundwater	Investigation		D: 0.000m-1.250m Grey-Brown Mottled Clay D: 1.250m-5.500m Grey-Brown Basalt	1128	North East
57127	Private Landholders Bore	Groundwater	Domestic Stock	2205.0	D: 0.000m-1.000m Top Soil & Clay D: 1.000m-2.000m Clay D: 2.000m-6.000m Clay & Sandstone D: 6.000m-10.000m Clay D: 10.000m-11.000m Rock D: 11.000m-12.000m Clay D: 12.000m-13.000m Rock D: 13.000m-14.000m Silty Clay D: 14.000m-19.000m Coarse River Wash D: 19.000m-31.000m Brown Clay	1140	North East
111623		Groundwater	Investigation		D: 0.000m-0.750m Grey - Brown Clay D: 0.750m-1.500m Weathered Basalt D: 1.500m-3.750m White Clay D: 3.750m-5.000m White - Yellow Fine Silty Sand D: 5.000m-6.000m Orange Brown - Grey Clay D: 6.000m-6.500m Grey Silty Clay D: 6.500m-10.000m Fine Fawn Silty Sand D: 10.000m-10.500m F - C Quartz Sand D: 10.500m-11.500m F - C Quartz Sand D: 11.500m-14.000m Brown Sandy Clay	1179	East
104978	Private Landholders Bore	Groundwater				1215	North East
114410		Groundwater	Investigation		D: 0.000m-1.000m Grey-Brown Mottled Clay D: 1.000m-6.500m Grey-Brown Basalt D: 6.500m-7.750m Fine Grey-Brown Sand D: 7.750m-9.000m Grey-Orange Sandy Clay D: 9.000m-11.500m Fine-Coarse Brown-Orange Sand D: 11.500m-13.500m Medium-Coarse Yellow Brown Sand	1219	North East
114411		Groundwater	Investigation		D: 0.000m-1.000m Grey-Brown Mottled Clay D: 1.000m-6.250m Grey-Brown Basalt	1220	North East
116015		Groundwater	Investigation		D: 0.000m-1.000m Dark Brown Top Soil D: 1.000m-1.500m Grey Clay D: 1.500m-3.500m Brown Basalt D: 3.500m-5.000m White-Tan Sandy Clay D: 5.000m-7.500m Clay D: 7.500m-8.000m Blue-Grey Limestone D: 8.000m-9.800m Tan Clay D: 9.800m-10.500m Sandy Clay D: 10.500m-14.000m Tan To Orange Sand	1240	East
S9034061/1		Groundwater				1249	North West
S9031701/1	Private Landholders Bore	Groundwater				1330	North East
S9025353/1		Groundwater	Domestic and Stock			1349	South West
S9029063/1	Private Landholders Bore	Groundwater				1362	North East
81393						1373	South East
S9029523/1	Private Landholders Bore	Groundwater				1388	North East
S9026670/1		Groundwater	Domestic and Stock			1388	North East

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Direct
140217		Groundwater	Domestic		D: 0.000m-0.500m Overburden D: 0.500m-2.500m Grey Clay D: 2.500m-11.000m Basalt D: 11.000m-15.500m Grey Clay D: 15.500m-24.000m Brown Clay D: 24.000m-26.500m Brown Sand D: 26.500m-27.000m Blue Clay	1393	North East
S9030219/1	Private Landholders Bore	Groundwater				1430	South
116016		Groundwater	Investigation		D: 0.000m-0.500m Brown Top Soil D: 0.500m-2.500m Cream-Brown Clay D: 2.500m-3.000m Brown Basalt D: 3.000m-4.000m White-Tan Clayey Sand D: 4.000m-8.000m White-Tan Limestone D: 8.000m-14.000m Brown Clayey Sand	1465	East
S9032317/1	Private Landholders Bore	Groundwater				1505	South West
S9029010/1		Groundwater	Domestic and Stock			1553	North East
81407	Private Landholders Bore	Groundwater			D: 0.000m-9.000m Topsoil D: 9.000m-11.000m Decomposed Basalt D: 11.000m-15.240m Clay And Sand D: 15.240m-32.000m Silty Clay	1592	West
S9037243/1		Groundwater	Groundwater Investigation			1630	South West
S9027533/1		Groundwater				1658	North East
104997	Private Landholders Bore	Groundwater	Domestic Stock		D: 0.000m-18.000m Clay D: 18.000m-24.000m Sand	1703	North East
S9032842/1		Groundwater				1823	North East
S9025709/1		Groundwater				1836	North East
105001	Private Landholders Bore	Groundwater	Domestic Stock	5781.90	D: 0.000m-6.000m Clay D: 6.000m-7.500m Basalt And Clay D: 7.500m-9.100m Basalt D: 9.100m-22.250m Sand	1888	North East
S9034631/1		Groundwater				1927	North East

Boreholes FedUni Data Source: © Federation University Australia

Historical Mining Activity - Shafts

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Historical Mining Activity - Shafts

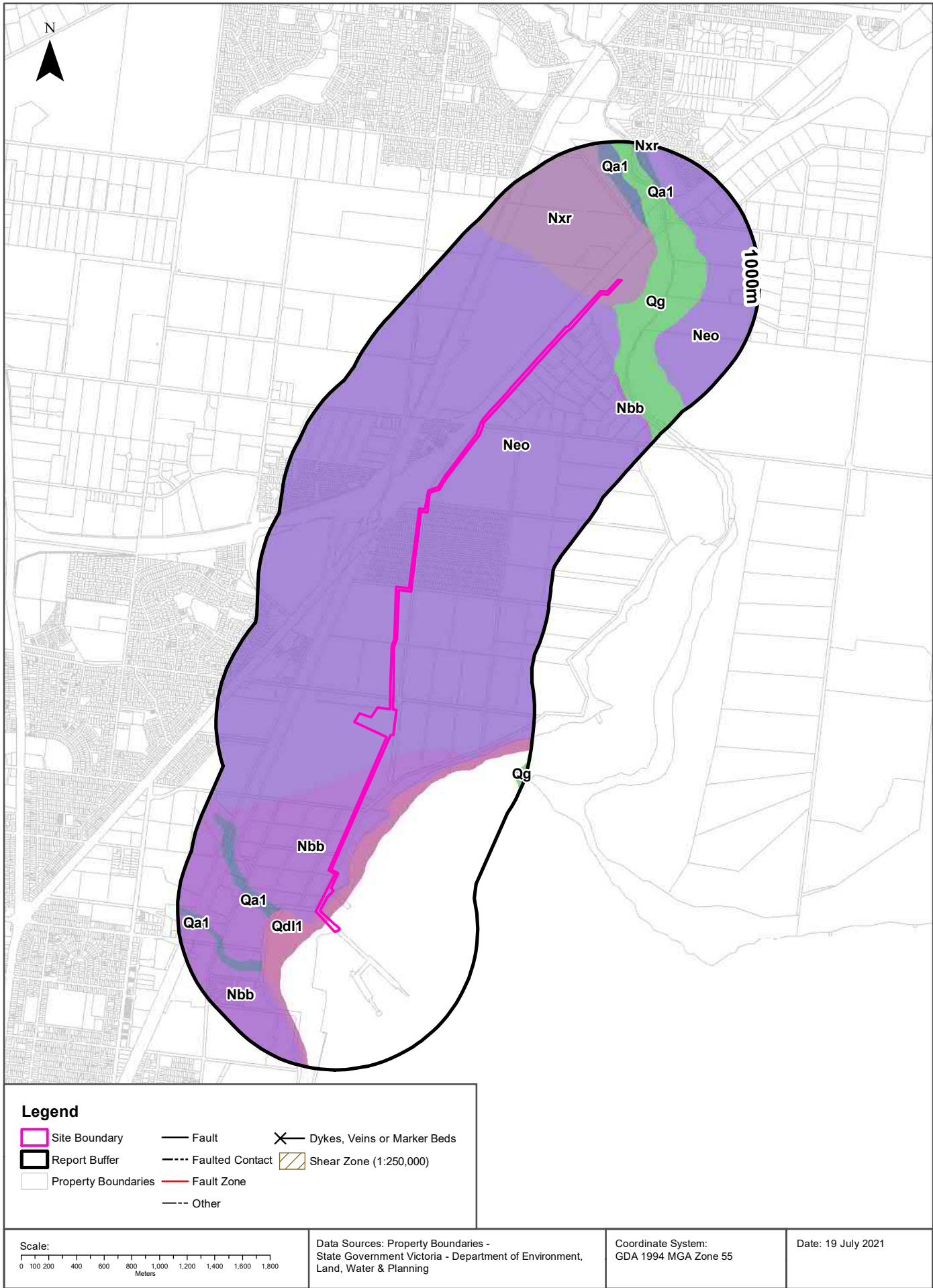
Mine Shaft Locations were collected by a variety of methods from 1869 in some areas of the state, mainly concentrating in Ballarat and Bendigo. In places a shaft may be recorded multiple times with a different source. In cases where several shaft locations are shown close together (generally with separations less than stated position errors) and they have different sources, it is possible that one shaft has been mapped several times. In cases where several shaft locations are shown close together but they have the same information source, it is possible that each shaft location represents a different shaft on the ground.

Historical Mine Shafts within the dataset buffer:

Map Id	Name	Source	Depth (m)	Collar (ft)	Fill/Cap Method	Location Desc	Location Accuracy	Distance	Direction
N/A	No records in buffer								

Historical Mining Activity Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources

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Geology

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Geological Units

What are the Geological Units onsite?

Symbol	Name	Description	Geological Age	Lithology	Dataset
Nbb	Black Rock Sandstone (Nbb): generic	Sand, sandstone, conglomerate, minor sandy limestone, local ironstone: pale to dark brown, reddish brown; generally very well sorted, variably cemented; horizontally laminated to low-angle cross-laminated; glauconitic; contains shelly fossils and burrows	Miocene to Pliocene	conglomerate (significant); sandstone (significant); sand (significant); limestone (minor proportion)	1:50,000
Neo	Newer Volcanic Group - basalt flows (Neo): generic	Olivine tholeiite, quartz tholeiite, basanite, basaltic icelandite, hawaiite, mugearite, minor scoria and ash, fluvial sediments: tholeiitic to alkaline; includes sheet flows and valley flows and intercalated gravel, sand, clay	Miocene to Holocene	alkali basalt (major proportion); tholeiitic basalt (major proportion); alluvium (minor proportion); tuff (minor proportion)	1:50,000
Nxr	Darley Gravel (Nxr): generic	Gravel, sand, silt: gravel red to pale colours; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; gravel clasts of vein quartz, sandstone, basalt, ironstone in proportions that reflect the local source	Neogene to Pleistocene	gravel material (significant); sand (significant); silt material (significant)	1:50,000
Qdl1	coastal dune deposits (Qdl1): generic	Sand, silt, clay: well sorted, poorly consolidated; coastal dune and beach deposits, some swamp deposits	Holocene to Holocene	sand (significant); silt material (significant); clay lithology (significant)	1:50,000

What are the Geological Units within the dataset buffer?

Symbol	Name	Description	Geological Age	Lithology	Dataset
Nbb	Black Rock Sandstone (Nbb): generic	Sand, sandstone, conglomerate, minor sandy limestone, local ironstone: pale to dark brown, reddish brown; generally very well sorted, variably cemented; horizontally laminated to low-angle cross-laminated; glauconitic; contains shelly fossils and burrows	Miocene to Pliocene	conglomerate (significant); sandstone (significant); sand (significant); limestone (minor proportion)	1:50,000
Neo	Newer Volcanic Group - basalt flows (Neo): generic	Olivine tholeiite, quartz tholeiite, basanite, basaltic icelandite, hawaiite, mugearite, minor scoria and ash, fluvial sediments: tholeiitic to alkaline; includes sheet flows and valley flows and intercalated gravel, sand, clay	Miocene to Holocene	alkali basalt (major proportion); tholeiitic basalt (major proportion); alluvium (minor proportion); tuff (minor proportion)	1:50,000
Nxr	Darley Gravel (Nxr): generic	Gravel, sand, silt: gravel red to pale colours; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; gravel clasts of vein quartz, sandstone, basalt, ironstone in proportions that reflect the local source	Neogene to Pleistocene	gravel material (significant); sand (significant); silt material (significant)	1:50,000

Symbol	Name	Description	Geological Age	Lithology	Dataset
Qa1	alluvium(Qa1): generic	Gravel, sand, silt: variably sorted and rounded; generally unconsolidated; includes deposits of low terraces; alluvial floodplain deposits	Pleistocene to Holocene	gravel material (significant); sand (significant); silt material (significant)	1:50,000
Qdl1	coastal dune deposits (Qdl1): generic	Sand, silt, clay: well sorted, poorly consolidated; coastal dune and beach deposits, some swamp deposits	Holocene to Holocene	sand (significant); silt material (significant); clay lithology (significant)	1:50,000
Qg	coastal lagoon deposits (Qg): generic	Silt, clay: dark grey to black; variably consolidated	Holocene to Holocene	silt material (significant); clay lithology (significant)	1:50,000

Geology Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources
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Geology

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Geological Structures

What are the Geological Faults or Faulted Contacts onsite?

Map Id	Type	Name	Contact	Positional Accuracy	Dataset
No features					1:50,000

What are the Dykes, Marker Beds and Veins onsite?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:50,000

What are the Shear Zones onsite (1:250,000 scale)?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:250,000

What are the Geological Faults or Faulted Contacts within the dataset buffer?

Map Id	Type	Name	Contact	Positional Accuracy	Dataset
No features					1:50,000

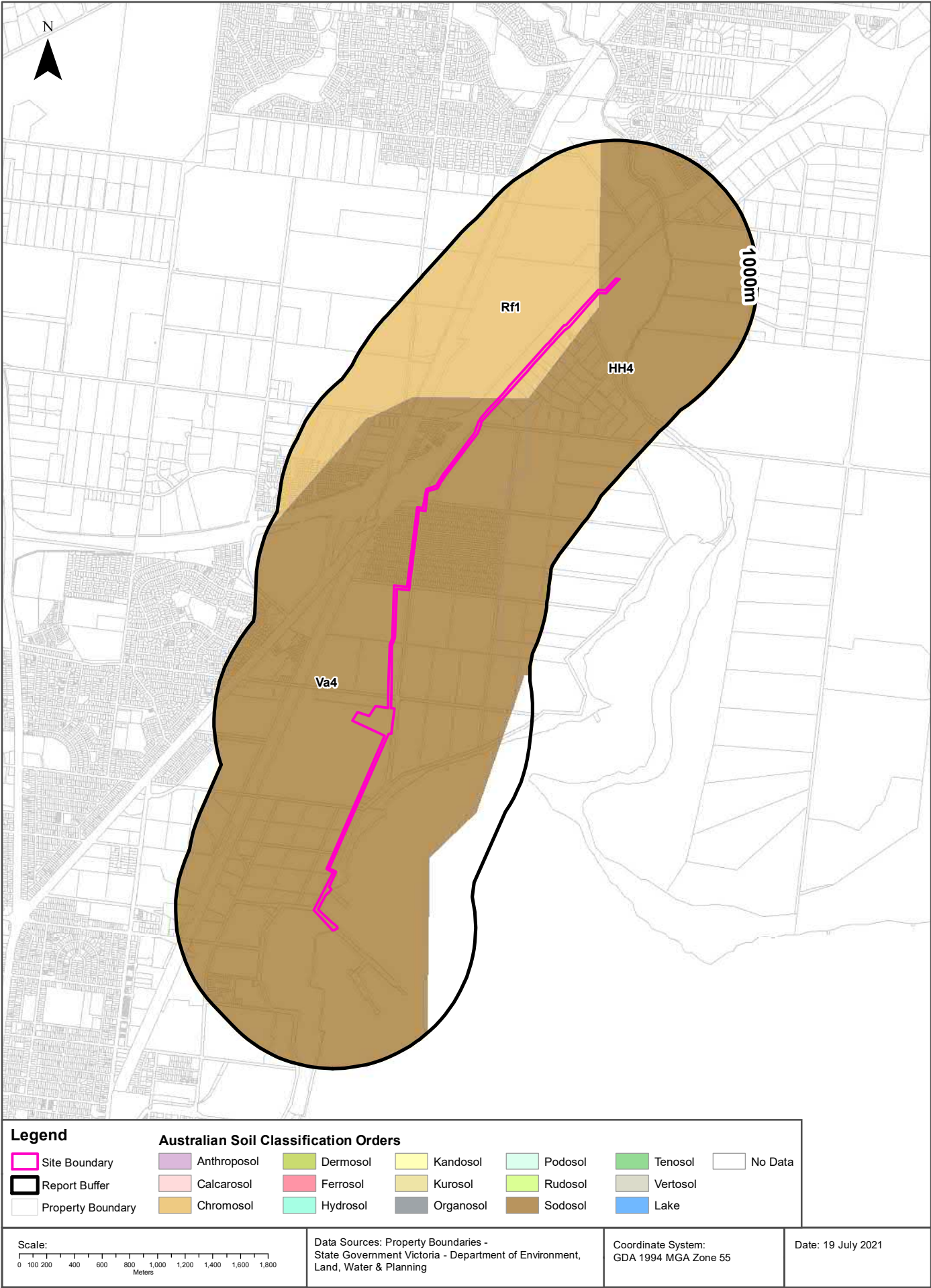
What are the Dykes, Marker Beds and Veins within the dataset buffer?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:50,000

What are the Shear Zones within the dataset buffer (1:250,000 scale)?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:250,000

Geology Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources
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Soil Landscapes

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

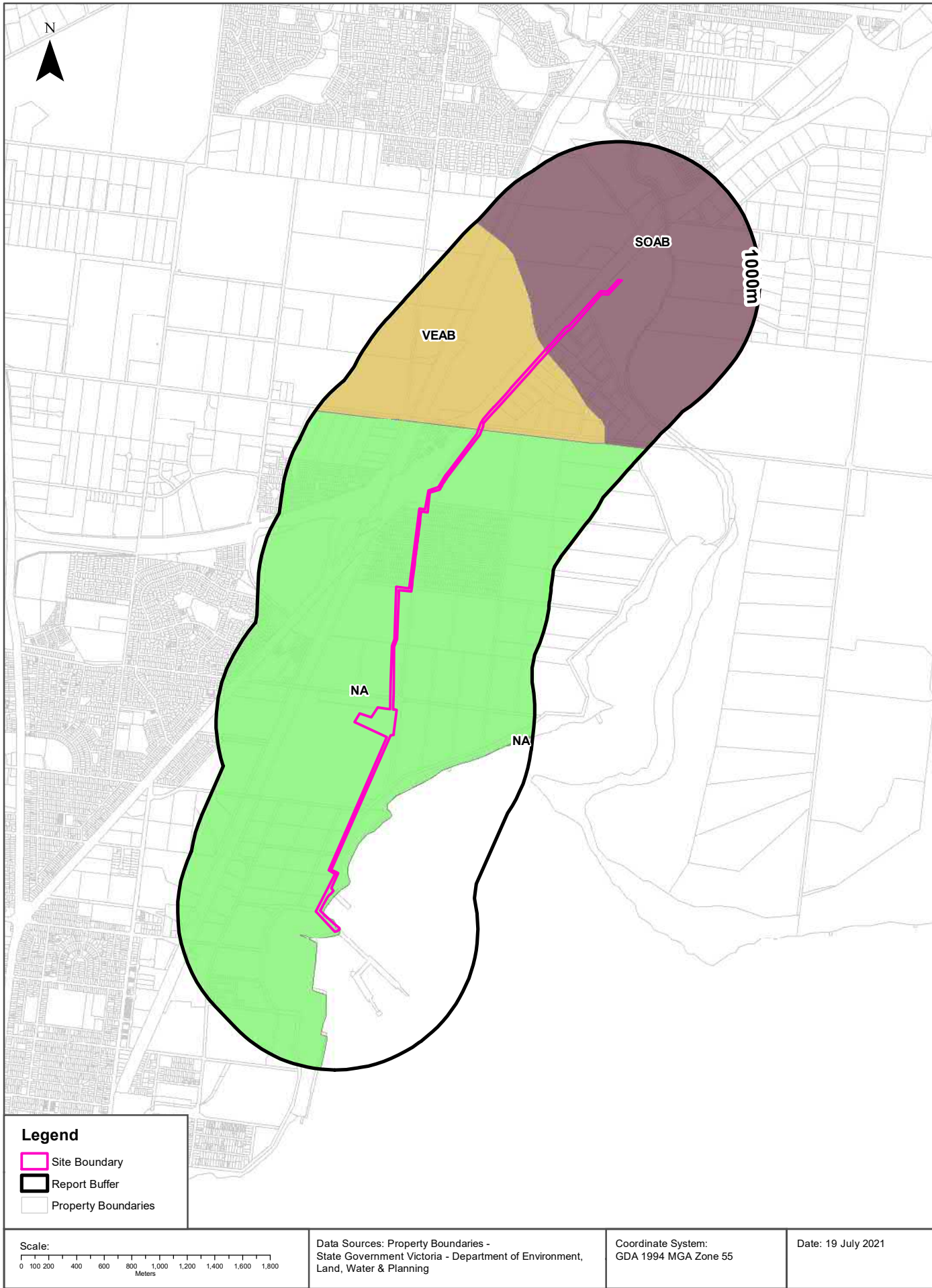
Atlas of Australian Soils

Australian soil types within the dataset buffer:

Symbol	Soil Order	Map Unit Description	Distance
HH4	Sodosol	Plains of hard alkaline dark mottled soils (Dd2.43) and hard alkaline red mottled soils (Dr3.43) and other undescribed soils on colluvium, and in association with friable alkaline dark soils (Dd3. 13) and dark shallow porous loamy soils (Um6.21) on the limestone areas of the plain.	0m
Rf1	Chromosol	Undulating plateaux with major steps in them: plains of hard alkaline brown soils (Db1.13) with hard alkaline dark soils (Dd1.13), and also hard alkaline yellow mottled soils (Dy3.13) with cracking clays (Ug5.2) in gilgai microassociation; hard alkaline red soils (Dr2.13) on the slopes (steps) between the different plateau levels.	0m
Va4	Sodosol	Undulating outwash plains: hard alkaline yellow mottled soils (Dy3.43) and (Dy5.43) with smaller areas of (Dr2.33) shallow forms (Um6), (Uc6.11), and (Gc1.12).	0m

Atlas of Australian Soils: CSIRO

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Soils Landscapes

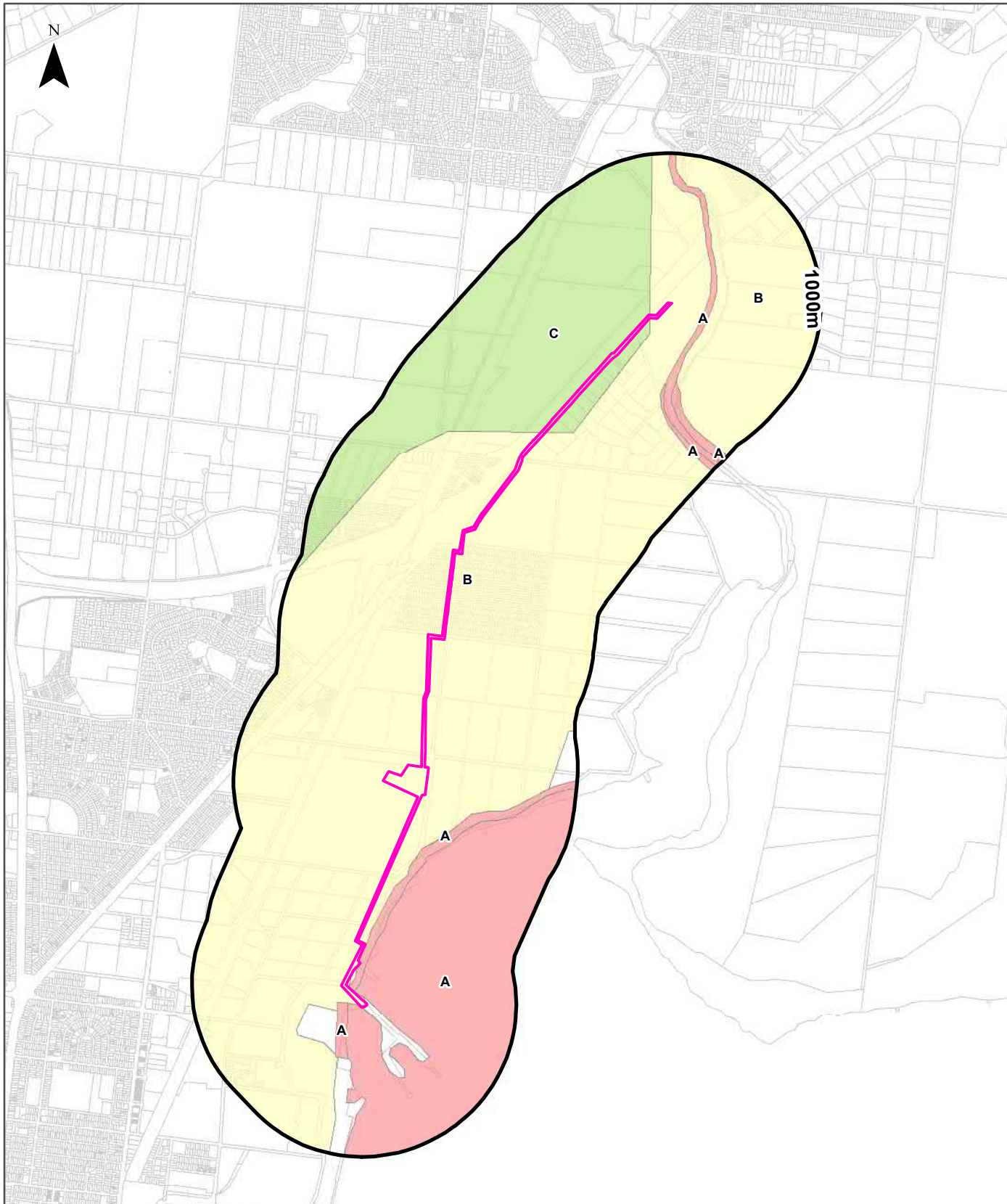
Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Victorian Soil Type Mapping

Victorian Soil Types within the dataset buffer:

Symbol	Description	Distance
NA	Unassigned	0m
SOAB	Brown Sodosols	0m
VEAB	Brown Vertosols	0m

Victorian Soil Type Mapping Data Source: Department of Economic Development, Jobs, Transport and Resources
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Legend	
Site Boundary	Probability of occurrence of Acid Sulfate Soils
Report Buffer	A. High (>70%)
Property Boundary	B. Low (6-70%)
	C. Extremely Low (1-5%)
	D. No Chance (0%)
	No Data

Scale: 0 100 200 400 600 800 1,000 1,200 1,400 1,600 1,800 Meters	Data Sources: Property Boundaries & Topographic Data: State of Victoria - Department of Environment and Primary Industries	Coordinate System: GDA 1994 MGA Zone 55	Date: 19 July 2021
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Acid Sulfate Soils

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Atlas of Australian Acid Sulfate Soils

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

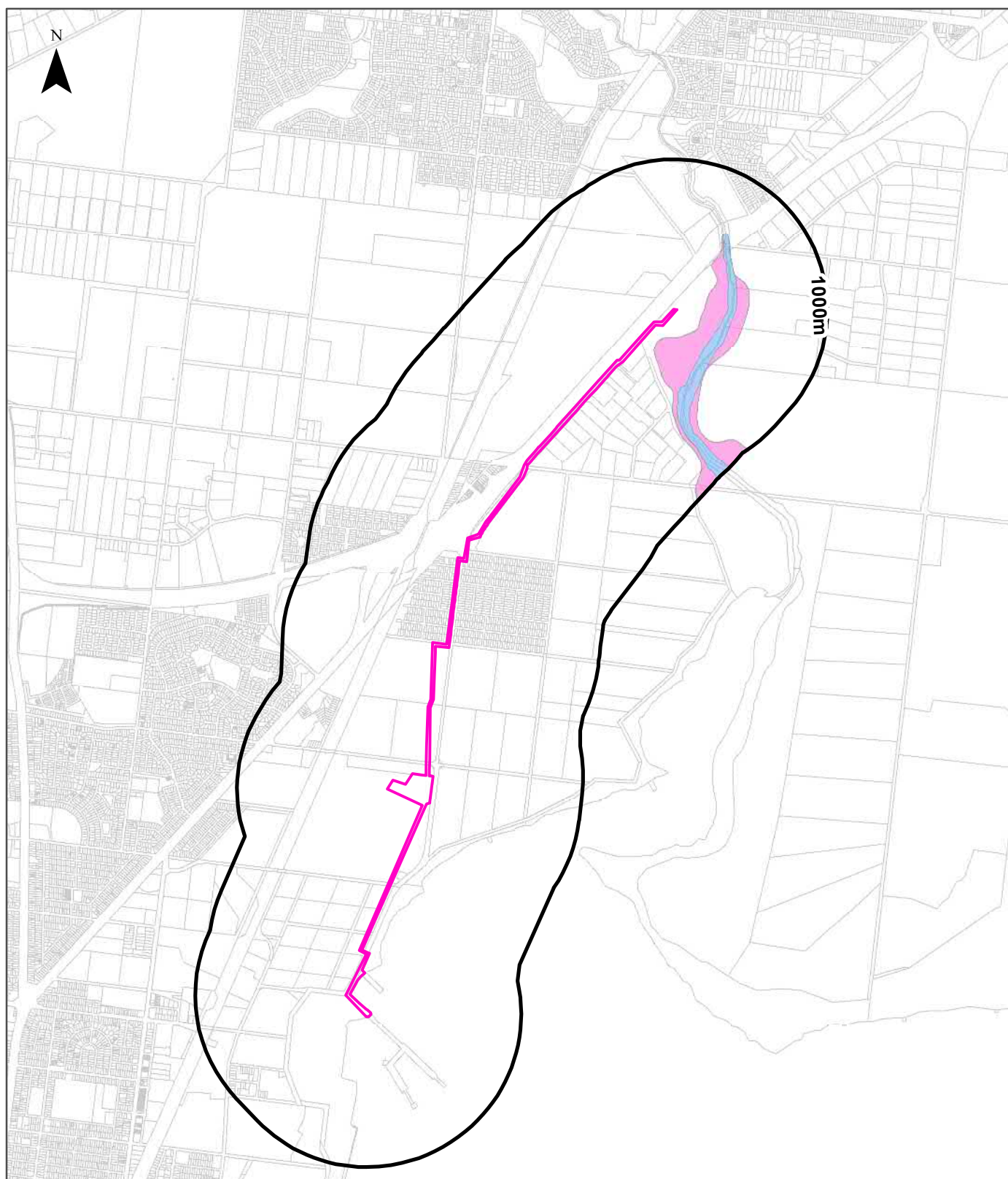
PROBCLASS	Description	Distance
A	High Probability of occurrence. >70% chance of occurrence.	0m
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Coastal Acid Sulfate Soils

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Legend

- | | |
|---------------------|---------------------------------------|
| Site Boundary | Coastal Acid Sulfate Soil type |
| Report Buffer | Made land |
| Property Boundaries | Prospective |
| | Water |

Scale:
0 100 200 400 600 800 1,000 1,200 1,400 1,600 1,800
Meters

Data Sources: Property Boundaries & Topographic Data:
State of Victoria - Department of Environment and Primary
Industries

Coordinate System:
GDA 1994 MGA Zone 55

Date: 19 July 2021

Acid Sulfate Soils

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Coastal Acid Sulfate Soils

What are the on-site Coastal Acid Sulfate Soil types?

Coastal Acid Sulfate Soil Types
There are no Acid Sulfate areas onsite

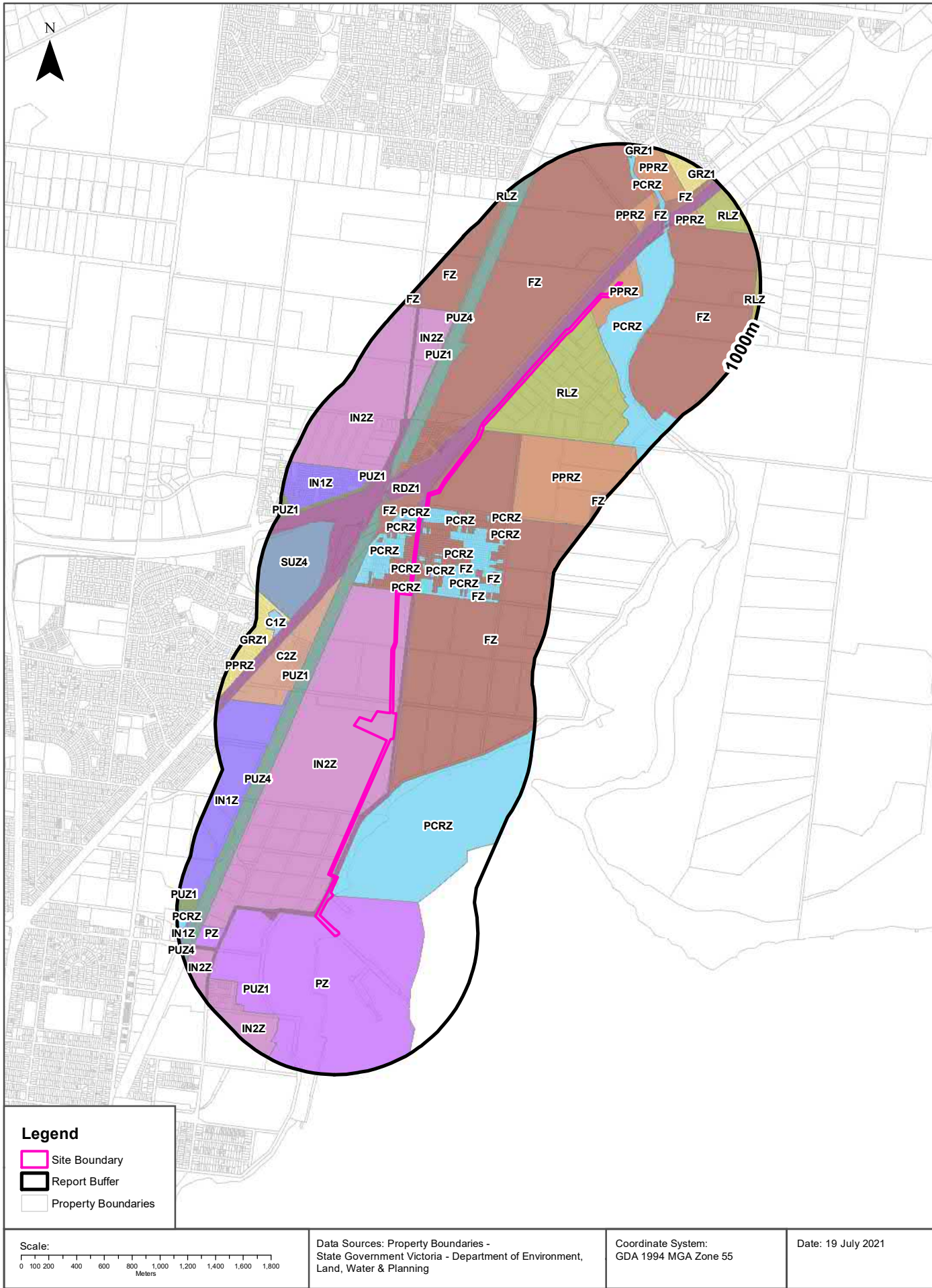
What are the Coastal Acid Sulfate Soil types within the dataset buffer?

Coastal Acid Sulfate Soil Types	Distance	Direction
Prospective	77m	North East
Water	284m	North East

Coastal Acid Sulfate Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Planning Zones

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Planning

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Planning Zones

Planning zones within the dataset buffer:

Zone Code	Description	Distance	Direction
IN2Z	INDUSTRIAL 2 ZONE	0m	Onsite
RLZ	RURAL LIVING ZONE	0m	Onsite
FZ	FARMING ZONE	0m	Onsite
RDZ1	ROAD ZONE - CATEGORY 1	0m	Onsite
PZ	PORT ZONE	0m	Onsite
PPRZ	PUBLIC PARK AND RECREATION ZONE	0m	Onsite
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	0m	Onsite
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	12m	North West
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	13m	North
FZ	FARMING ZONE	15m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	20m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	30m	North West
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	50m	North East
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	51m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	67m	North
FZ	FARMING ZONE	73m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	91m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	98m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	113m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	127m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	160m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	184m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	190m	North
FZ	FARMING ZONE	237m	North East
FZ	FARMING ZONE	239m	North West
PPRZ	PUBLIC PARK AND RECREATION ZONE	240m	North East
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	243m	North East
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	255m	North East
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	256m	North East
PUZ4	PUBLIC USE ZONE - TRANSPORT	268m	South West
PUZ4	PUBLIC USE ZONE - TRANSPORT	273m	North

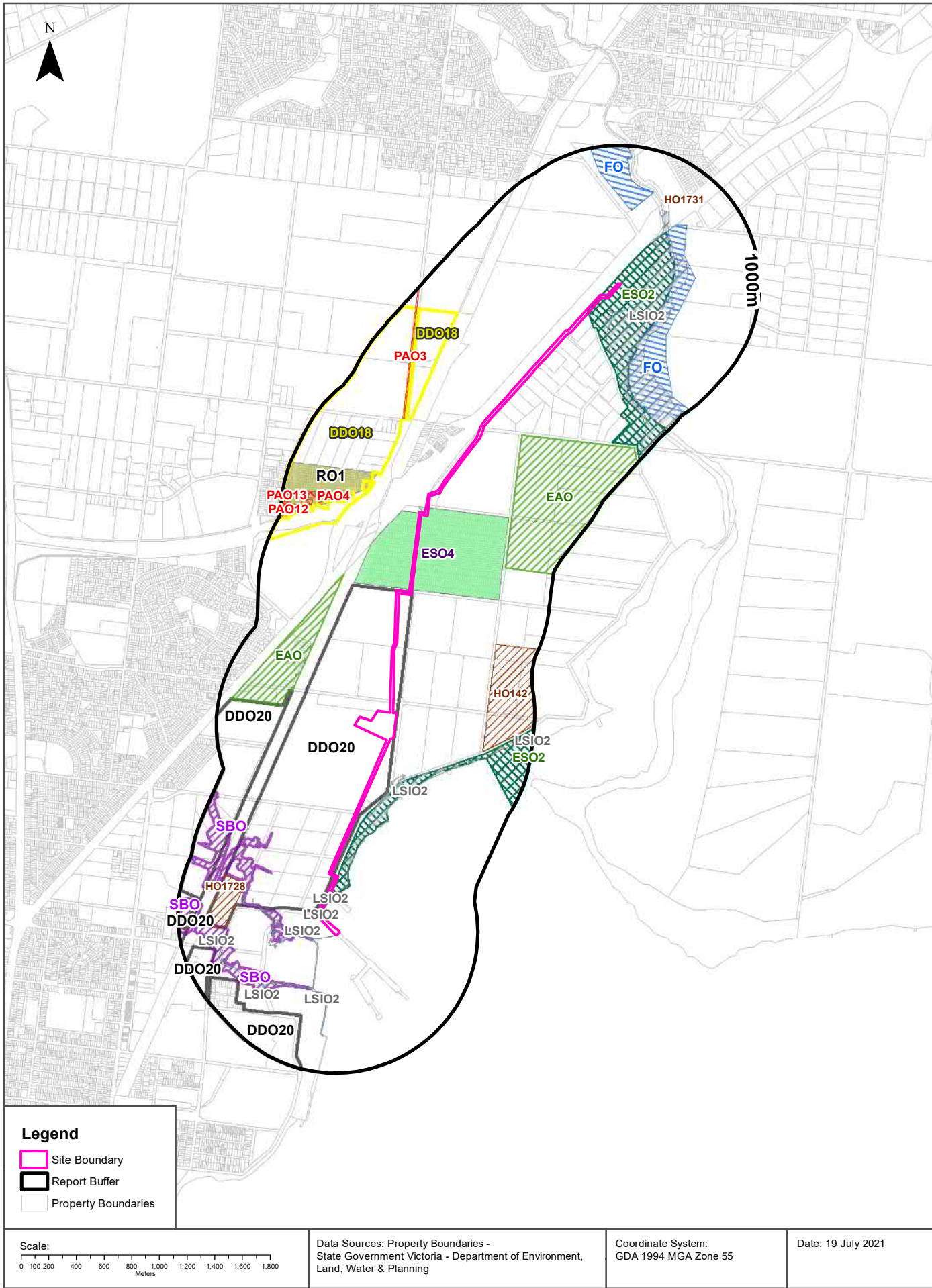
Zone Code	Description	Distance	Direction
PUZ4	PUBLIC USE ZONE - TRANSPORT	274m	North
PUZ4	PUBLIC USE ZONE - TRANSPORT	280m	North
FZ	FARMING ZONE	333m	East
FZ	FARMING ZONE	346m	North East
FZ	FARMING ZONE	362m	North East
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	372m	North East
IN2Z	INDUSTRIAL 2 ZONE	375m	North West
FZ	FARMING ZONE	377m	North East
FZ	FARMING ZONE	381m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	381m	North East
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	400m	North East
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	401m	North
C2Z	COMMERCIAL 2 ZONE	402m	West
IN1Z	INDUSTRIAL 1 ZONE	418m	North West
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	421m	North West
FZ	FARMING ZONE	439m	North East
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	457m	North
IN2Z	INDUSTRIAL 2 ZONE	466m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	494m	North East
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	502m	North East
IN1Z	INDUSTRIAL 1 ZONE	517m	South West
FZ	FARMING ZONE	532m	East
SUZ4	SPECIAL USE ZONE - SCHEDULE 4	535m	North West
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	539m	North
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	542m	North East
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	550m	South West
FZ	FARMING ZONE	564m	North East
FZ	FARMING ZONE	579m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	589m	North East
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	647m	South West
PZ	PORT ZONE	662m	South West
PPRZ	PUBLIC PARK AND RECREATION ZONE	664m	North East
FZ	FARMING ZONE	672m	North
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	691m	North East
IN2Z	INDUSTRIAL 2 ZONE	704m	South West
RLZ	RURAL LIVING ZONE	723m	North East
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	751m	West

Zone Code	Description	Distance	Direction
IN2Z	INDUSTRIAL 2 ZONE	775m	South West
C1Z	COMMERCIAL 1 ZONE	780m	West
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	792m	North East
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	846m	South West
IN1Z	INDUSTRIAL 1 ZONE	874m	South West
PPRZ	PUBLIC PARK AND RECREATION ZONE	889m	West
PCRZ	PUBLIC CONSERVATION AND RESOURCE ZONE	895m	South West
FZ	FARMING ZONE	917m	North
PUZ4	PUBLIC USE ZONE - TRANSPORT	919m	South West
RLZ	RURAL LIVING ZONE	958m	North

Planning Zone Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Planning Overlays

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Planning

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

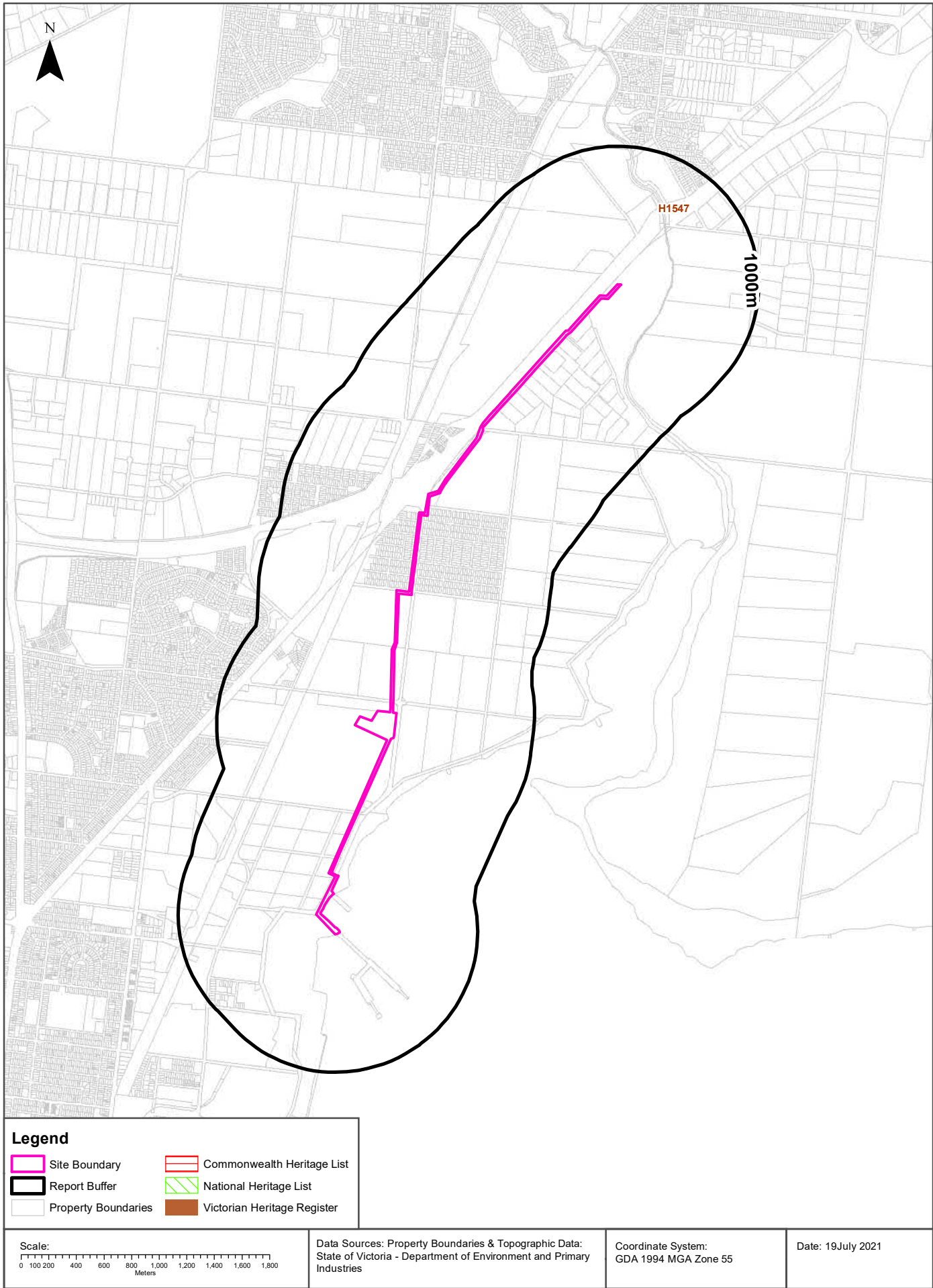
Planning Overlays

Planning overlays within the dataset buffer:

Zone Code	Description	Distance	Direction
DDO20	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 20	0m	Onsite
ESO2	ENVIRONMENTAL SIGNIFICANCE OVERLAY - SCHEDULE 2	0m	Onsite
ESO4	ENVIRONMENTAL SIGNIFICANCE OVERLAY - SCHEDULE 4	0m	Onsite
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	0m	Onsite
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	0m	Onsite
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	0m	South
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	21m	South West
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	73m	North East
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	137m	South
SBO	SPECIAL BUILDING OVERLAY	139m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	240m	North East
FO	FLOODWAY OVERLAY	333m	North East
DDO18	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 18	375m	North West
RO1	RESTRUCTURE OVERLAY - SCHEDULE 1	401m	North West
EAO	ENVIRONMENTAL AUDIT OVERLAY	402m	West
SBO	SPECIAL BUILDING OVERLAY	421m	South West
DDO18	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 18	466m	North
PAO3	PUBLIC ACQUISITION OVERLAY 3	506m	North
DDO20	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 20	517m	South West
PAO4	PUBLIC ACQUISITION OVERLAY 4	524m	North West
FO	FLOODWAY OVERLAY	545m	North
HO1728	HERITAGE OVERLAY (HO1728)	567m	South West
PAO4	PUBLIC ACQUISITION OVERLAY 4	579m	North West
DDO20	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 20	630m	South
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	631m	South West
HO142	HERITAGE OVERLAY (HO142)	647m	South East
PAO4	PUBLIC ACQUISITION OVERLAY 4	677m	North West
PAO4	PUBLIC ACQUISITION OVERLAY 4	703m	North West
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	710m	South West
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	721m	South West

Zone Code	Description	Distance	Direction
HO1731	HERITAGE OVERLAY (HO1731)	758m	North East
PAO4	PUBLIC ACQUISITION OVERLAY 4	769m	North West
DDO20	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 20	775m	South West
PAO4	PUBLIC ACQUISITION OVERLAY 4	784m	North West
SBO	SPECIAL BUILDING OVERLAY	827m	South West
DDO20	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 20	874m	South West
PAO4	PUBLIC ACQUISITION OVERLAY 4	875m	North West
PAO13	PUBLIC ACQUISITION OVERLAY 13	936m	North West
PAO13	PUBLIC ACQUISITION OVERLAY 13	936m	North West
PAO12	PUBLIC ACQUISITION OVERLAY 12	936m	North West
PAO4	PUBLIC ACQUISITION OVERLAY 4	937m	North West
PAO12	PUBLIC ACQUISITION OVERLAY 12	982m	North West

Planning Overlay Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Heritage

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?

Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

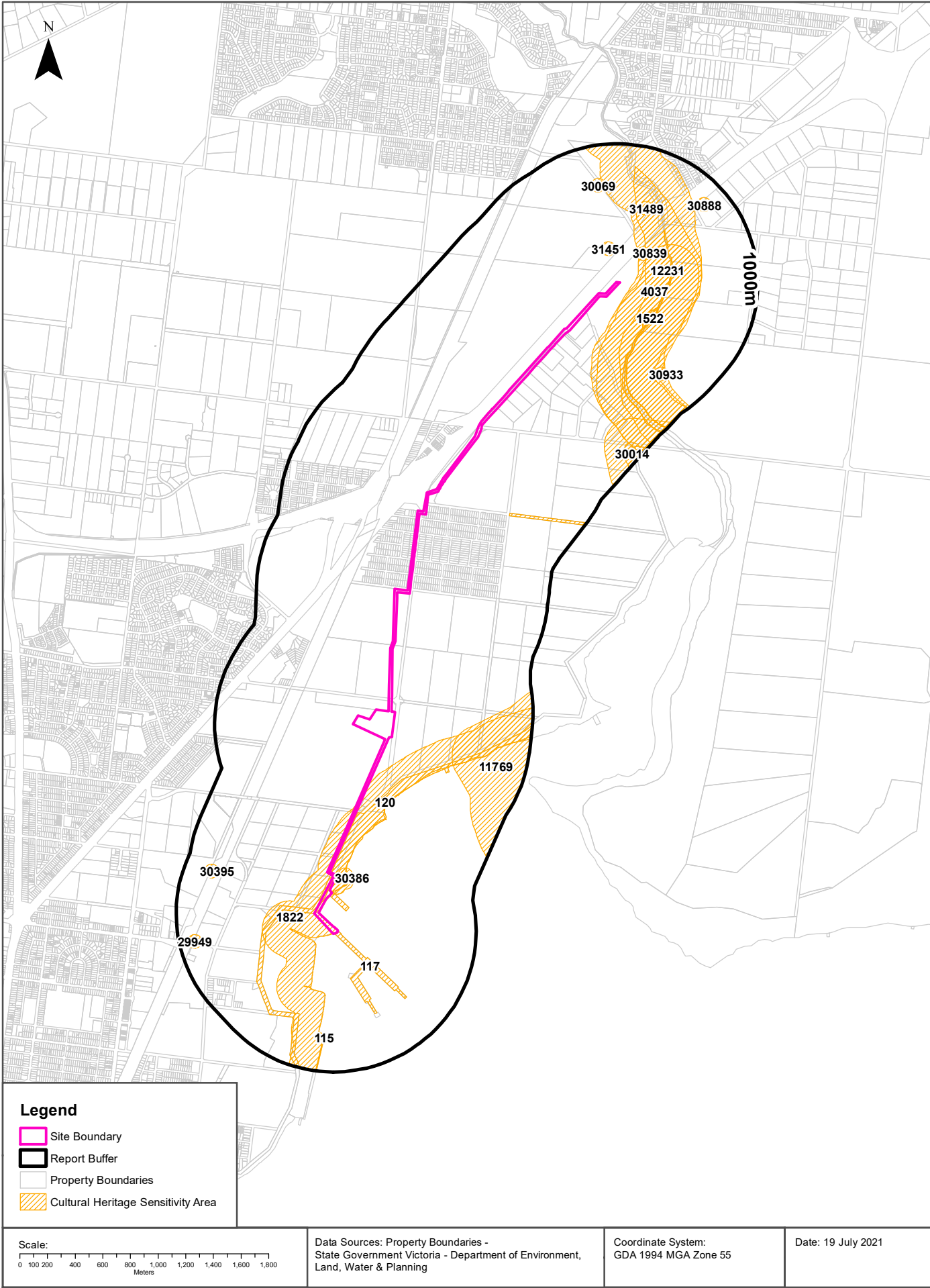
Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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Victorian Heritage Register

What are the Victorian Heritage Register items located within the dataset buffer?:

VHR Number	Description	Distance	Direction
H1547	HUME & HOVELL MONUMENT LARA	757m	North East

Victorian Heritage Register Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Heritage

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Cultural Heritage Sensitivity

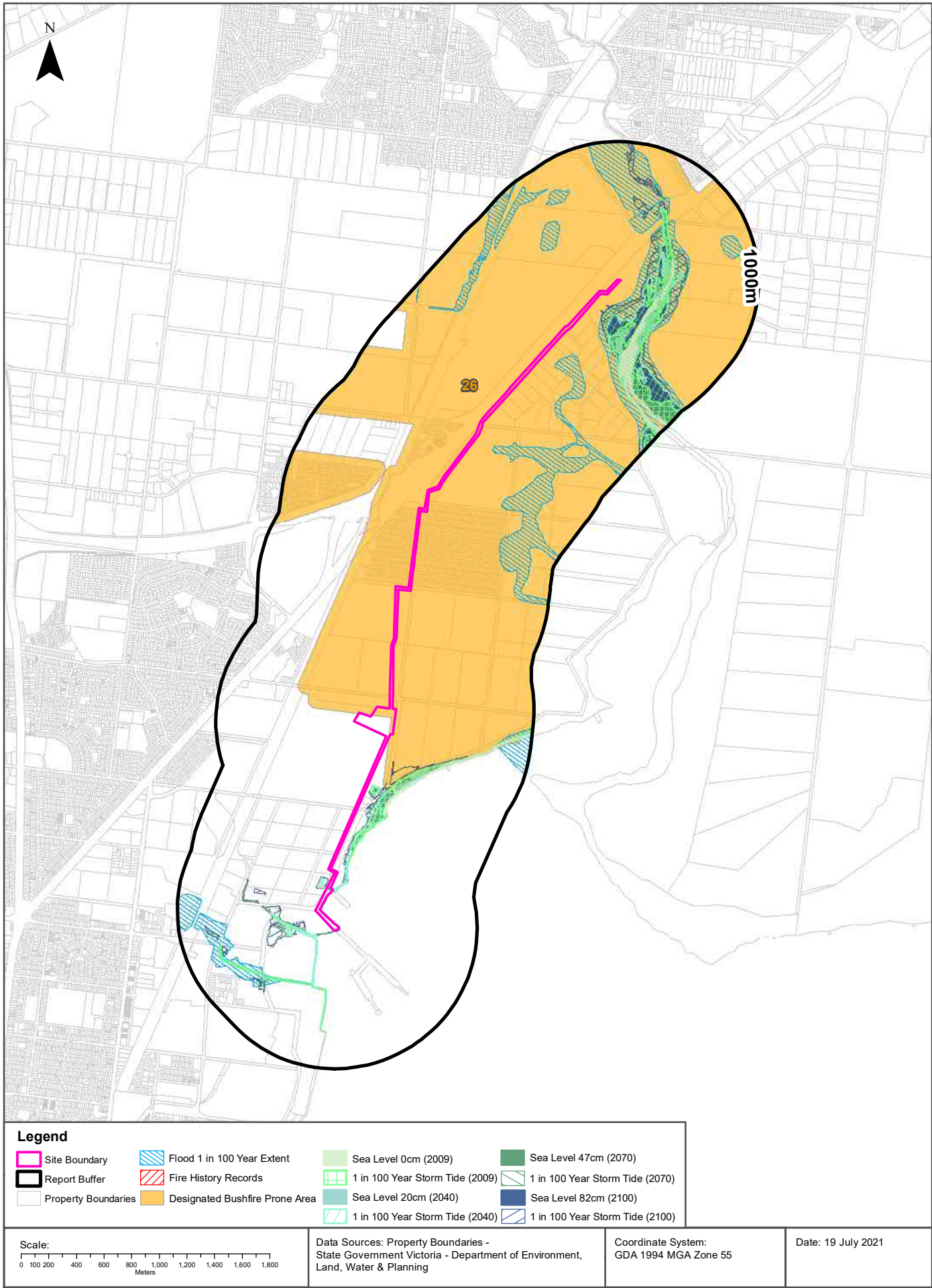
Areas of Cultural Heritage Sensitivity as specified in Division 3 of Part 2 in the Victorian Aboriginal Heritage Regulations 2018, within the dataset buffer:

Map Id	Distance	Direction
1822	0m	Onsite
120	0m	Onsite
30386	0m	Onsite
117	0m	South
4037	84m	North
12231	187m	North East
31451	198m	North East
30839	218m	North East
1522	310m	North East
11769	448m	East
31489	520m	North East
30933	632m	North East
30069	662m	North
115	724m	South
30395	754m	South West
30888	782m	North East
29949	838m	South West
30014	866m	North East

Cultural Heritage Sensitivity Data Custodian: State Government Victoria - Department of Premier and Cabinet
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Natural Hazards

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Natural Hazards

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Bushfire Prone Areas

What are the designated bushfire prone areas within the dataset buffer?

Map ID	Feature	Plan No	LGA	Gazetted Date	Distance	Direction
26	Designated Bushfire Prone Area	LEGL./20-480	GREATER GEELONG	01/02/2021	0m	Onsite

Bushfire Prone Area Data Custodian: State Government Victoria - Dept of Transport, Planning & Local Infrastructure
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Fire History

What are the fire history records of fires primarily on public land, within the dataset buffer?

Map Id	Fire Type	Fire Key	Season	Fire No	Fire Name	Treatment	Fire Cover	Start Date	Dist (m)	Direction
N/A	No records within buffer									

Fire History Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Flood - 1 in 100 year modelled flood extent

What 1 in 100 year flood extent features exist within the dataset buffer?

Feature	Source	Method	Scale	Modified Date	Distance	Direction
100 Year Flood Outline	Unknown	Little info available		01/01/2000	80m	East
100 Year Flood Outline	Unknown	No contours & some flood info		01/01/2000	371m	North East
100 Year Flood Outline	Consultants	Modelled		31/07/2006	420m	South West
100 Year Flood Outline	DNRE	No contours & some flood info	10000	01/01/2000	456m	North

Flood Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Natural Hazards

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Victorian Coastal Inundation Sea Level Rise

What coastal inundation sea level rise features exist within the dataset buffer?

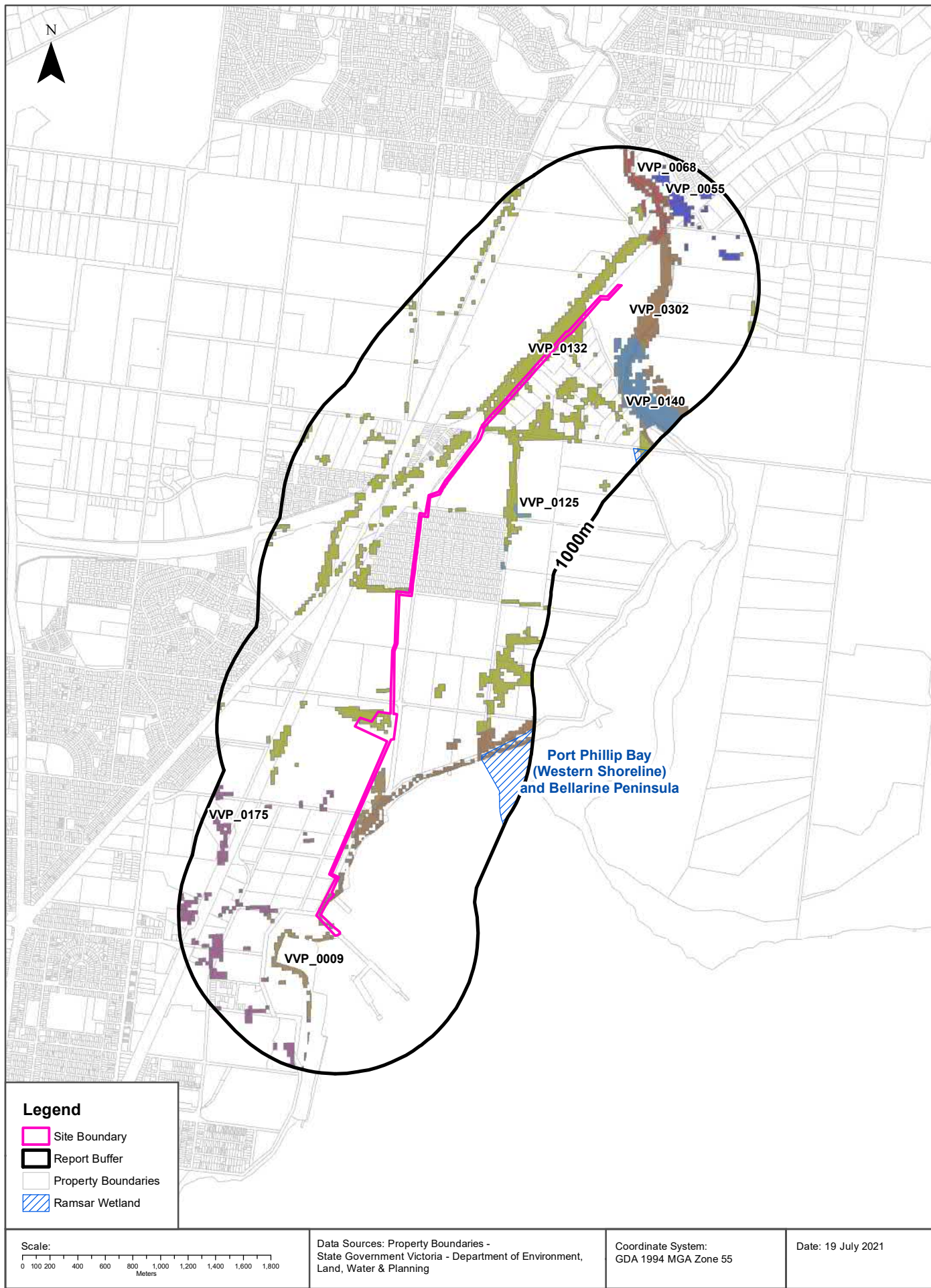
Description	Distance	Direction
Inundation to 1-in-100 year storm tide level with storm surge increased by 19% plus 82 cm sea level rise (2100)	0m	South West
Inundation to 1-in-100 year storm tide level with storm surge increased by 19% plus 82 cm sea level rise (2100)	0m	East
Inundation to 1-in-100 year storm tide level with storm surge increased by 13% plus 47 cm sea level rise (2070)	0m	East
Inundation to 1-in-100 year storm tide level with storm surge increased by 13% plus 47 cm sea level rise (2070)	0m	South West
Inundation to 1-in-100 year storm tide level with storm surge increased by 6% plus 20 cm sea level rise (2040)	5m	East
Projected 82cm sea level rise by 2100	6m	East
Current (2009) inundation to 1-in-100 year storm tide level	25m	South
Projected 47cm sea level rise by 2070	28m	South
Projected 20cm sea level rise by 2040	86m	East
Current (2009) sea level	160m	South East

Victorian Coastal Inundation Sea Level Rise Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning

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Ecological Constraints - Native Vegetation 2005 & Ramsar Wetlands

Geelong Refinery, 90 Refinery Road, Corio VIC 3214



Ecological Constraints

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Native Vegetation (Modelled 2005 Ecological Vegetation Classes)

What native vegetation exists within the dataset buffer?

Veg Code	EVC Name	EVCode	Group	Subgroup	Bioregion	Conservation Status	Geographic Occurance	Distance
VVP_0009	Coastal Saltmarsh	0009	Salt-tolerant and/or succulent Shrublands	Coastal	Victorian Volcanic Plain	Vulnerable	Naturally Restricted	0m
VVP_0132	Plains Grassland	0132	Plains Grasslands and Chenopod Shrublands	Clay soils	Victorian Volcanic Plain	Endangered	Common	0m
VVP_0302	Coastal Saltmarsh/Mangrove Shrubland Mosaic	0302	Salt-tolerant and/or succulent Shrublands	Coastal	Victorian Volcanic Plain	Endangered	not applicable	0m
VVP_0175	Grassy Woodland	0175	Lower Slopes or Hills Woodlands	Grassy	Victorian Volcanic Plain	Endangered	Common	3m
VVP_0140	Mangrove Shrubland	0140	Salt-tolerant and/or succulent Shrublands	Coastal	Victorian Volcanic Plain	Vulnerable	Minor	251m
VVP_0068	Creekline Grassy Woodland	0068	Riverine Grassy Woodlands or Forests	Creekline and/or swampy	Victorian Volcanic Plain	Endangered	Common	375m
VVP_0125	Plains Grassy Wetland	0125	Wetlands	Freshwater	Victorian Volcanic Plain	Endangered	Common	478m
VVP_0055	Plains Grassy Woodland	0055	Plains Woodlands or Forests	Freely-draining	Victorian Volcanic Plain	Endangered	Common	520m

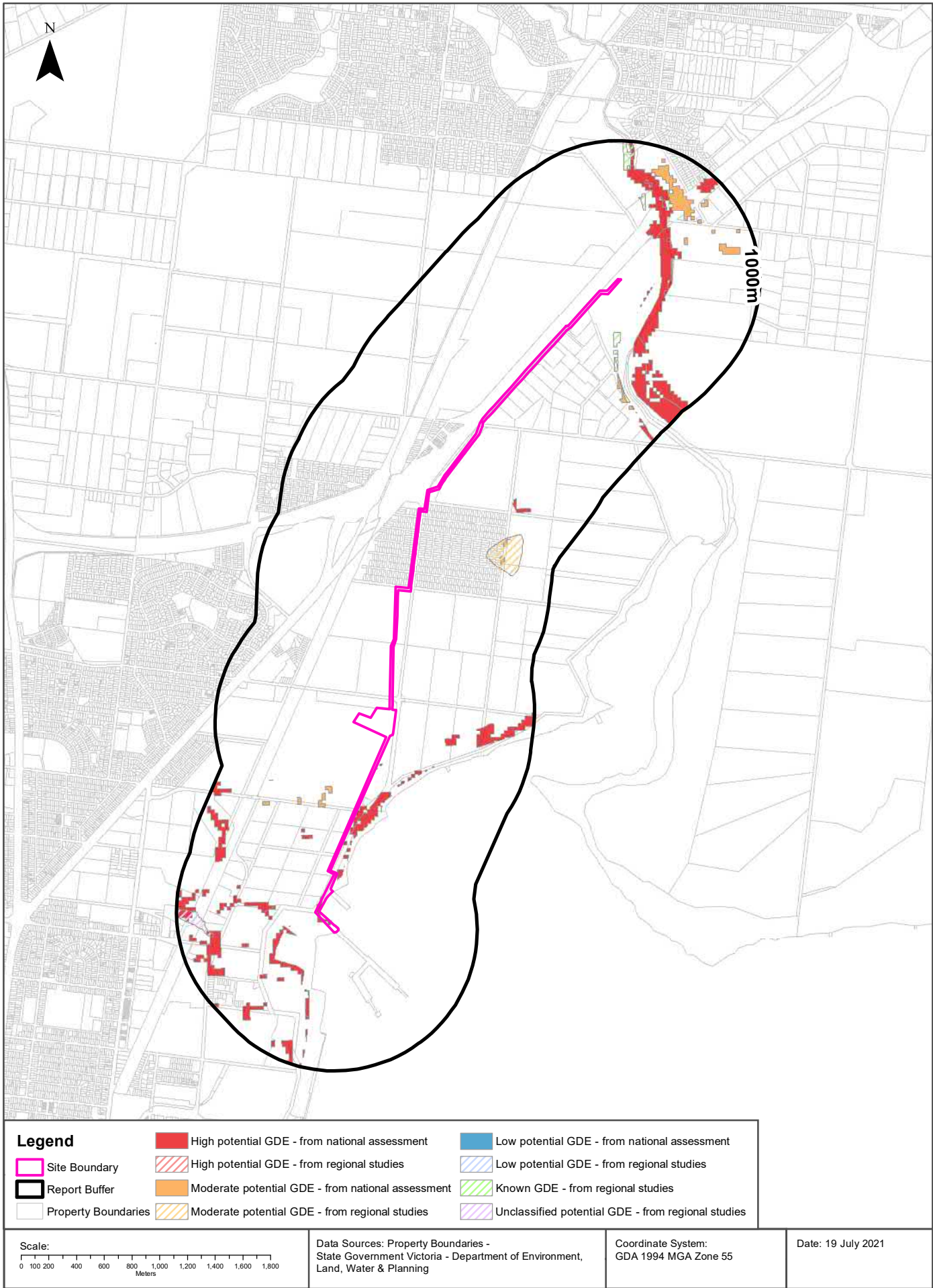
Native Vegetation Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Ramsar Wetlands

What Ramsar wetland areas exist within the dataset buffer?

Map ID	Site Name	Lake Name	Distance	Direction
48	Port Phillip Bay (Western Shoreline) and Bellarine Peninsula	Corio Bay	647m	East

Ramsar Wetland Area Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Ecological Constraints

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

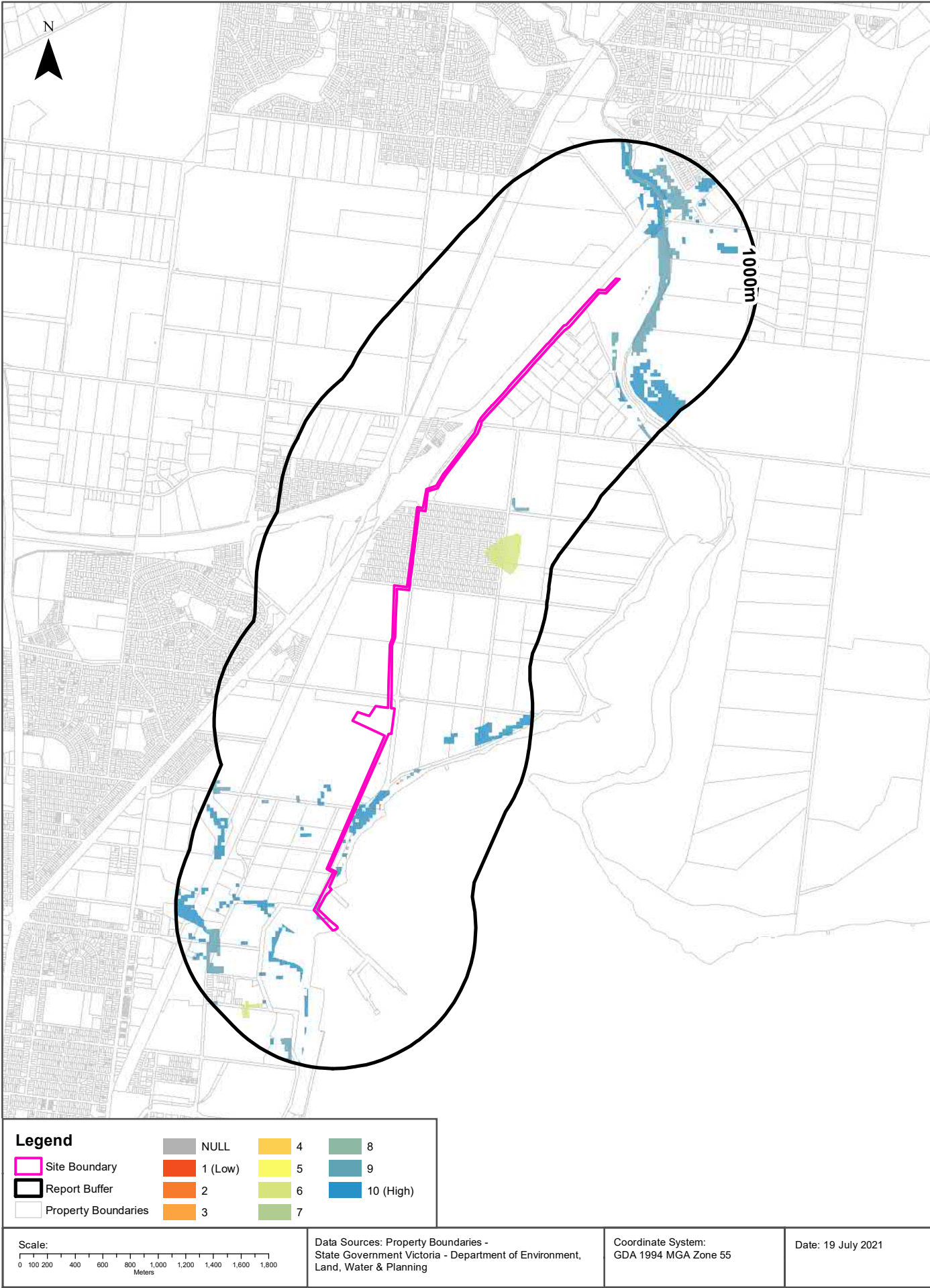
Groundwater Dependent Ecosystems Atlas

What GDEs exist within the dataset buffer?

GDE Type	Name	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
Terrestrial		High potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation		0m
Terrestrial		High potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Unconsolidated sedimentary	0m
Terrestrial		Moderate potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Unconsolidated sedimentary	197m
Terrestrial		Known GDE - from regional studies	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	251m
Aquatic	HOVELLS CREEK	High potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	River	Unconsolidated sedimentary	303m
Aquatic		Moderate potential GDE - from regional studies	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		509m
Aquatic		Unclassified potential GDE - from regional studies	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		747m

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology

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Ecological Constraints

Geelong Refinery, 90 Refinery Road, Corio VIC 3214

Inflow Dependent Ecosystems Likelihood

What IDEs exist within the dataset buffer?

GDE Type	Name	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
Terrestrial		0	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation		0m
Terrestrial		10	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Unconsolidated sedimentary	0m
Terrestrial		1	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation		143m
Terrestrial		9	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Unconsolidated sedimentary	201m
Aquatic	HOVELLS CREEK	9	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	River	Unconsolidated sedimentary	303m
Aquatic		6	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		509m
Terrestrial		6	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	588m
Aquatic		10	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		747m

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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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
Premise match	Georeferenced to the site location / premise or part of site
General area or suburb match	Georeferenced with the confidence of the general/approximate area
Road match	Georeferenced to the road or rail
Road intersection	Georeferenced to the road intersection
Feature is a buffered point	Feature is a buffered point
Land adjacent to geocoded site	Land adjacent to Georeferenced Site
Network of features	Georeferenced to a network of features

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LOTSEARCH

LOTSEARCH AERIALS

Date: 19 Jul 2021

Reference: LS022315 EA

Address: Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)

Aerial Imagery 2021

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 2018

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 2015

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 2009

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 2002

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1994

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1990

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1984

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1978

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1975

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Scale: 0 100 200 300 400 Meters	Data Source Aerial Imagery: ©2021 Geoscience Australia	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 July 2021
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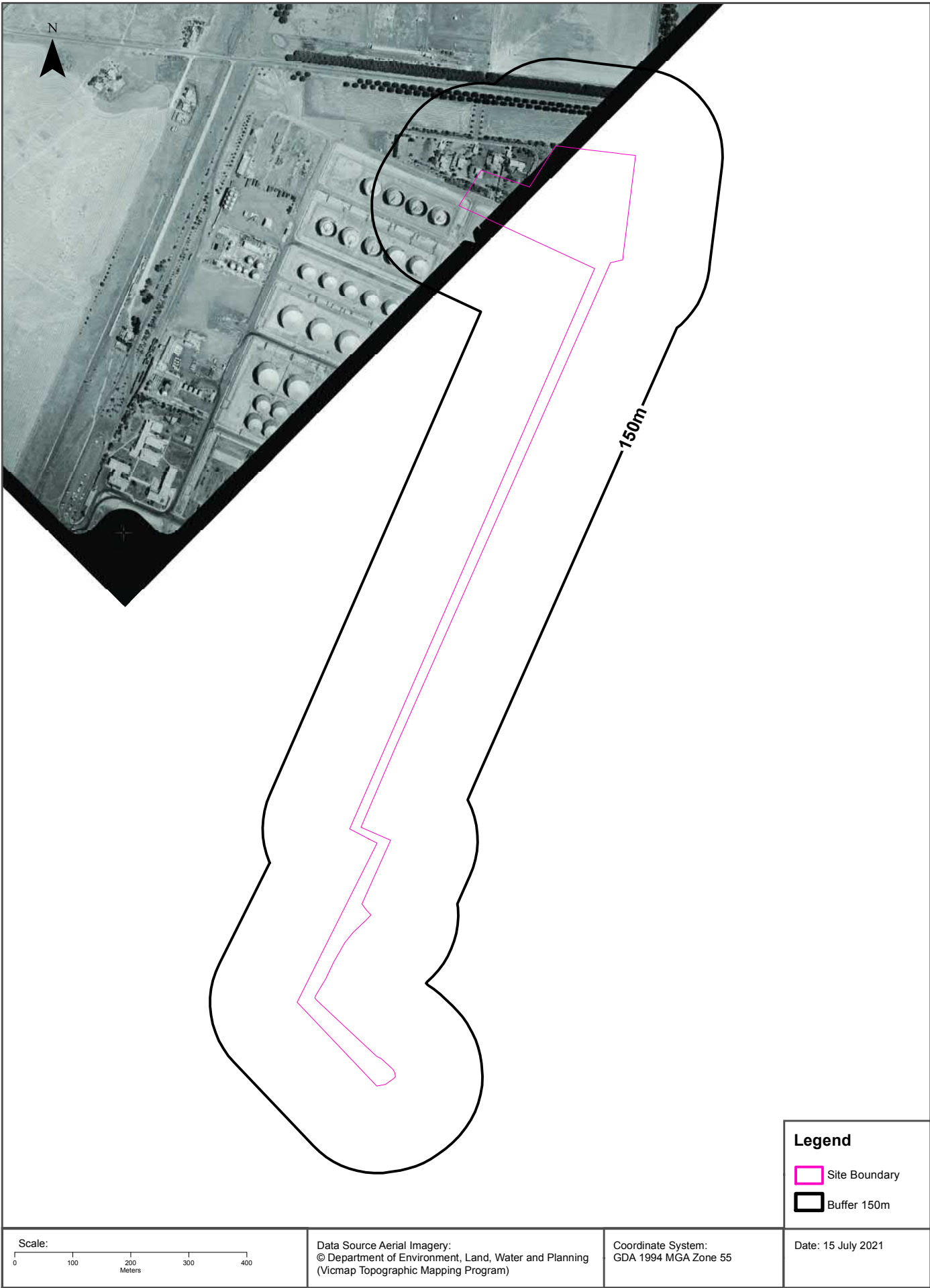
Aerial Imagery 1970

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1966

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



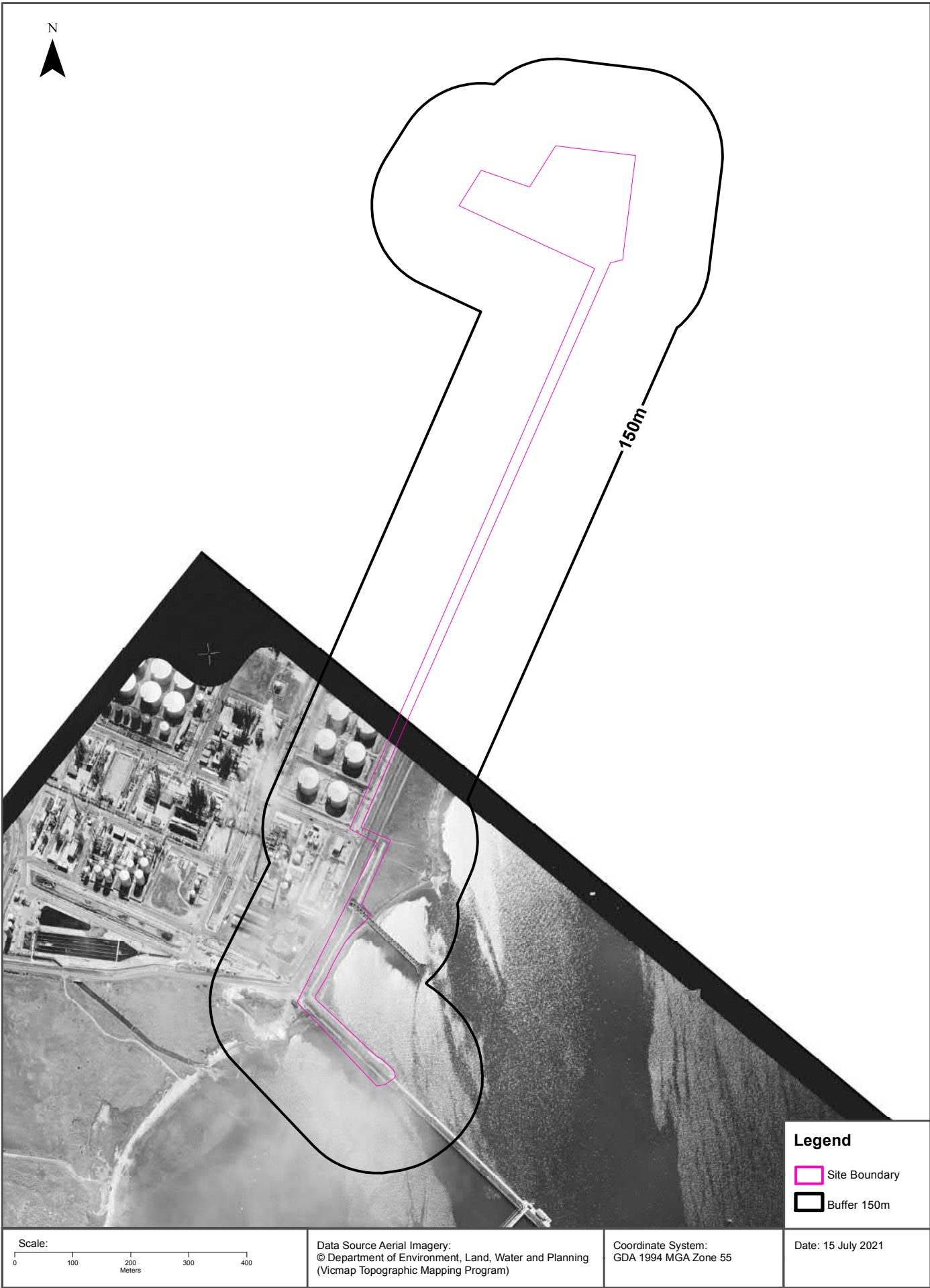
Aerial Imagery 1966

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1966

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1963

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



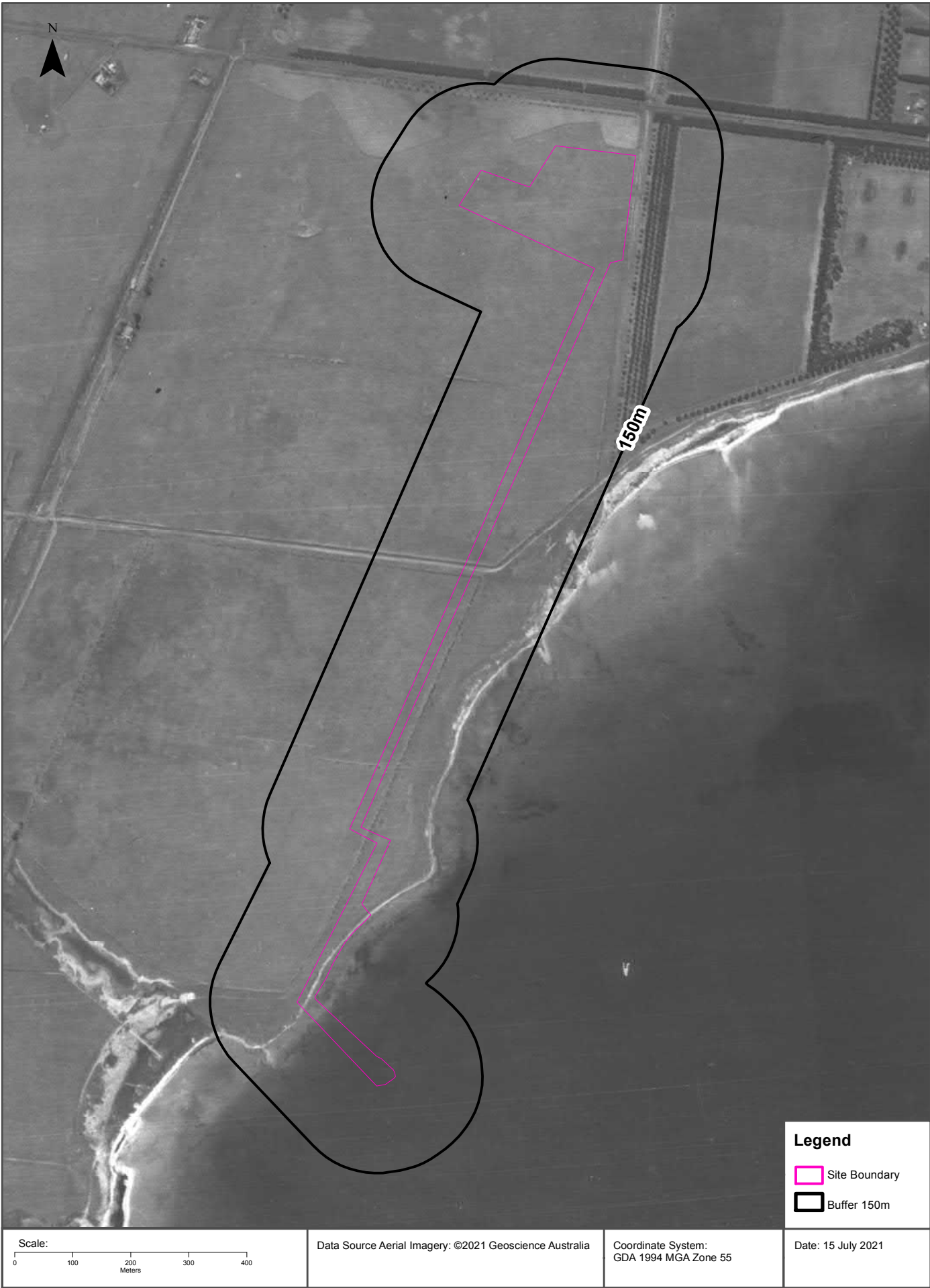
Aerial Imagery 1962

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



Aerial Imagery 1946

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 1)



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Date: 19 Jul 2021

Reference: LS022316 EA

Address: Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)

Aerial Imagery 2021

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



Aerial Imagery 2018

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



Aerial Imagery 2015

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



Aerial Imagery 2009

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



Aerial Imagery 2002

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



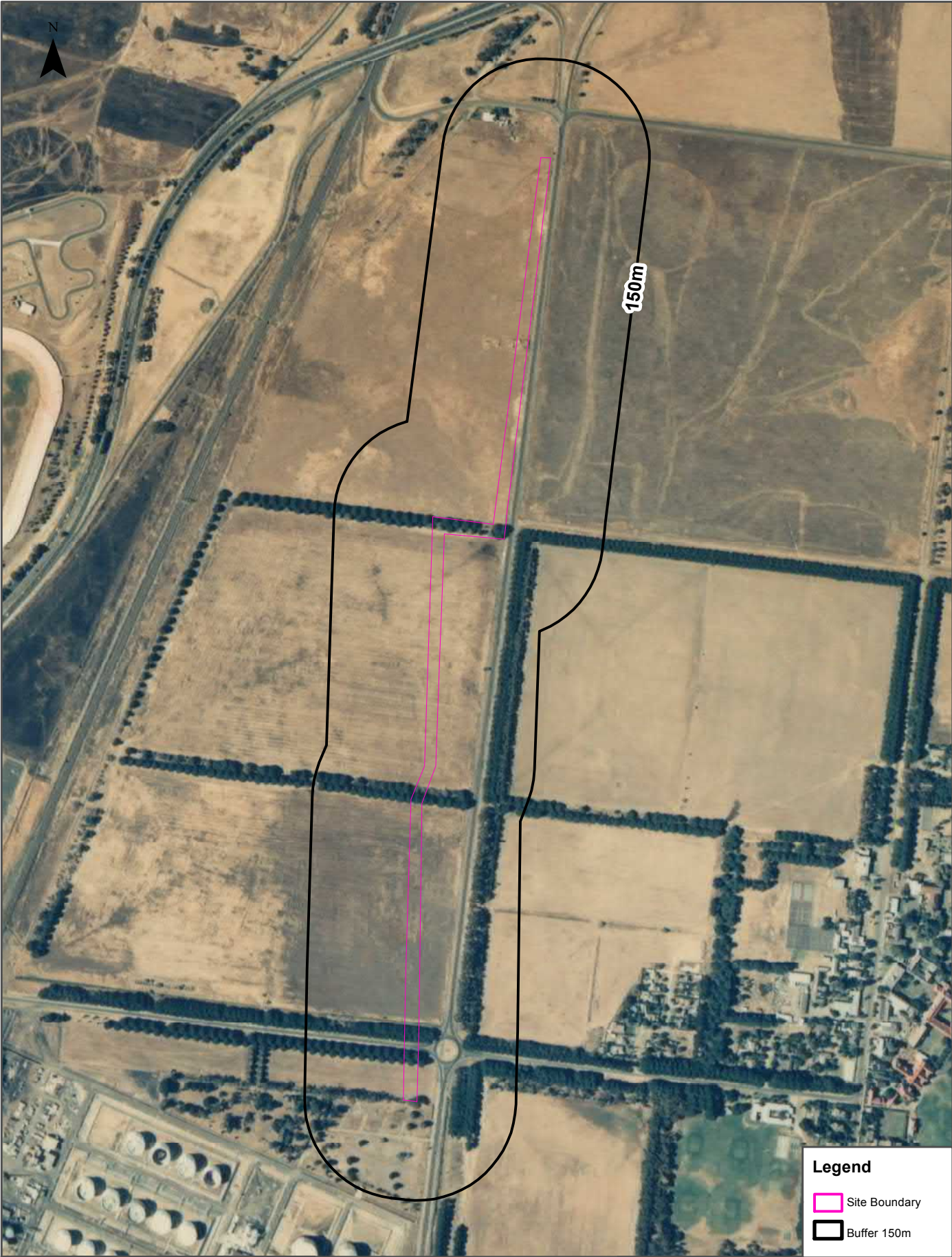
Aerial Imagery 1994

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



Aerial Imagery 1990

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



<p>Scale:</p> <p>0 90 180 270 360</p> <p>Meters</p>	<p>Data Source Aerial Imagery:</p> <p>© Department of Environment, Land, Water and Planning</p> <p>(Vicmap Topographic Mapping Program)</p>	<p>Coordinate System:</p> <p>GDA 1994 MGA Zone 55</p>	<p>Date: 15 July 2021</p>
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Aerial Imagery 1984

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



<p>Scale:</p> <p>0 90 180 270 360</p> <p>Meters</p>	<p>Data Source Aerial Imagery:</p> <p>© Department of Environment, Land, Water and Planning</p> <p>(Vicmap Topographic Mapping Program)</p>	<p>Coordinate System:</p> <p>GDA 1994 MGA Zone 55</p>	<p>Date: 15 July 2021</p>
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Aerial Imagery 1978

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



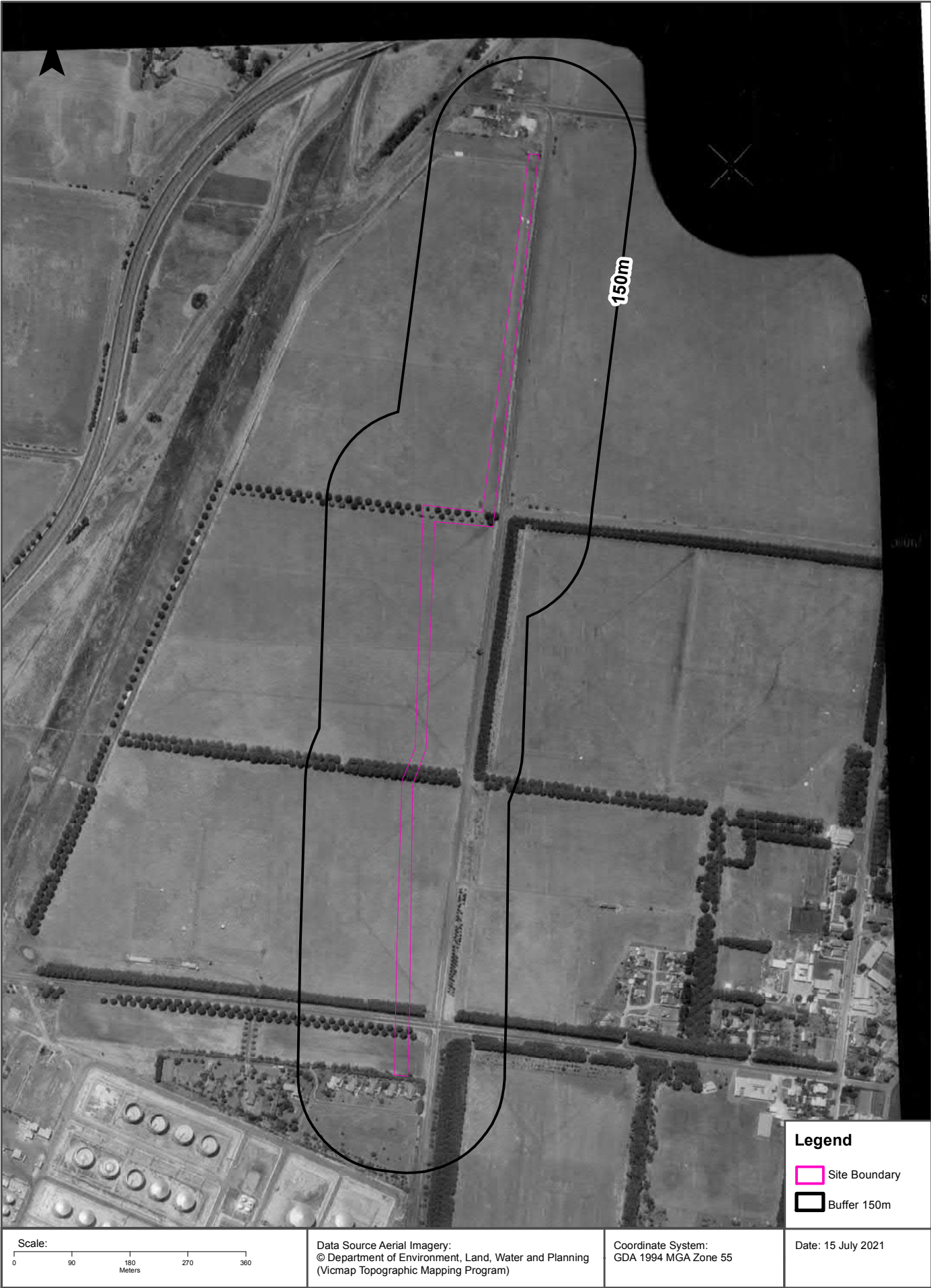
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Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



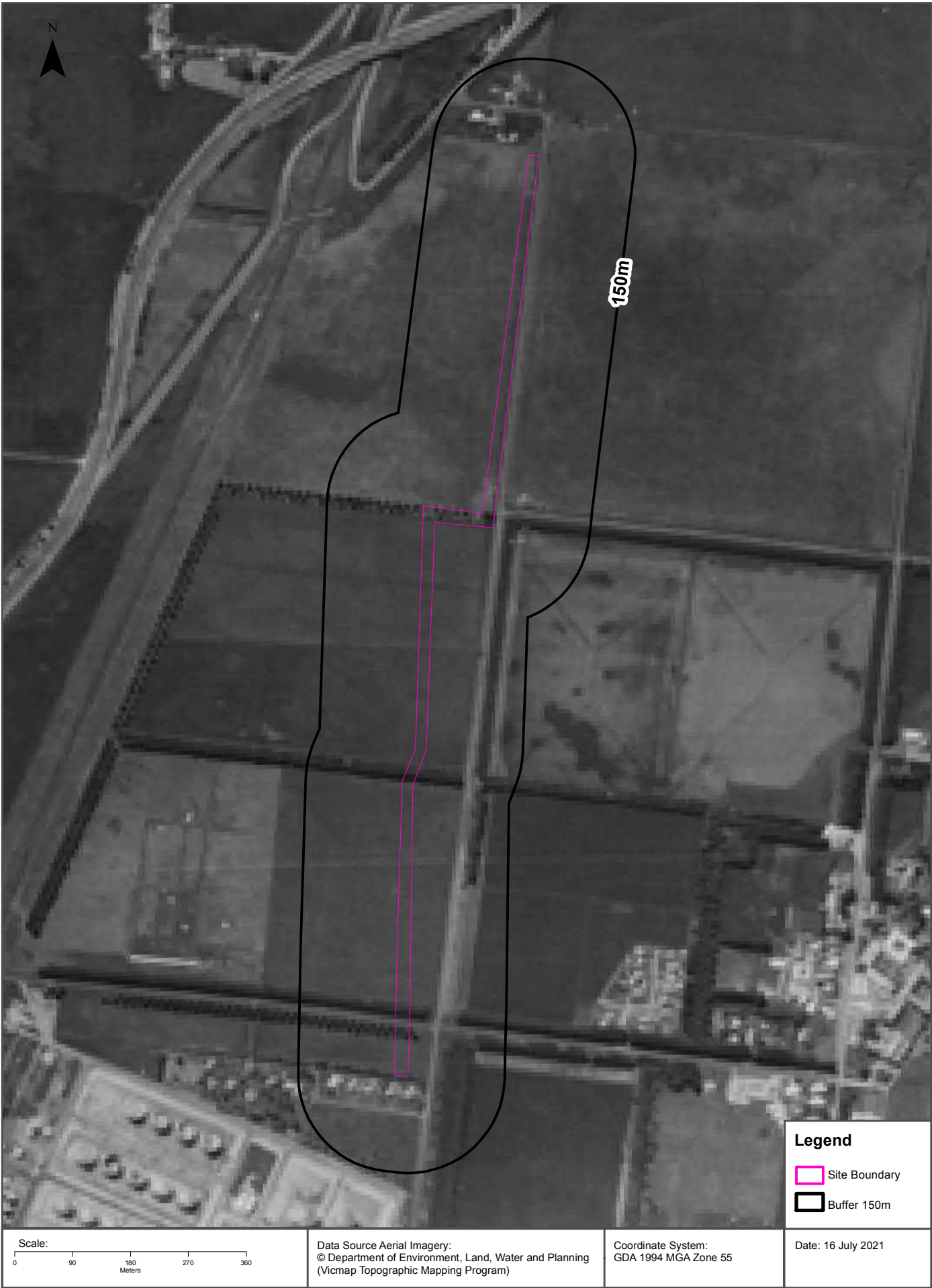
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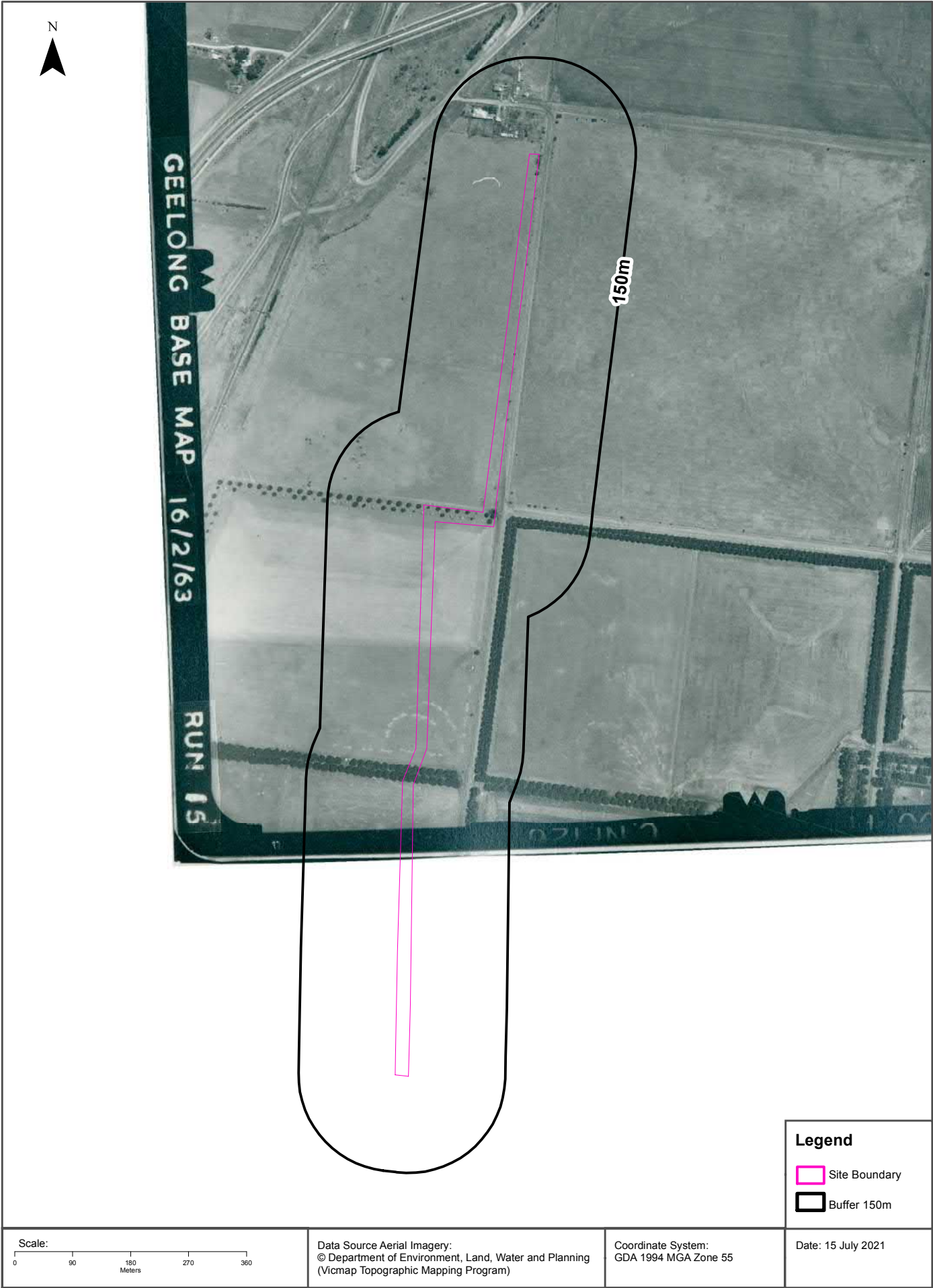
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Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



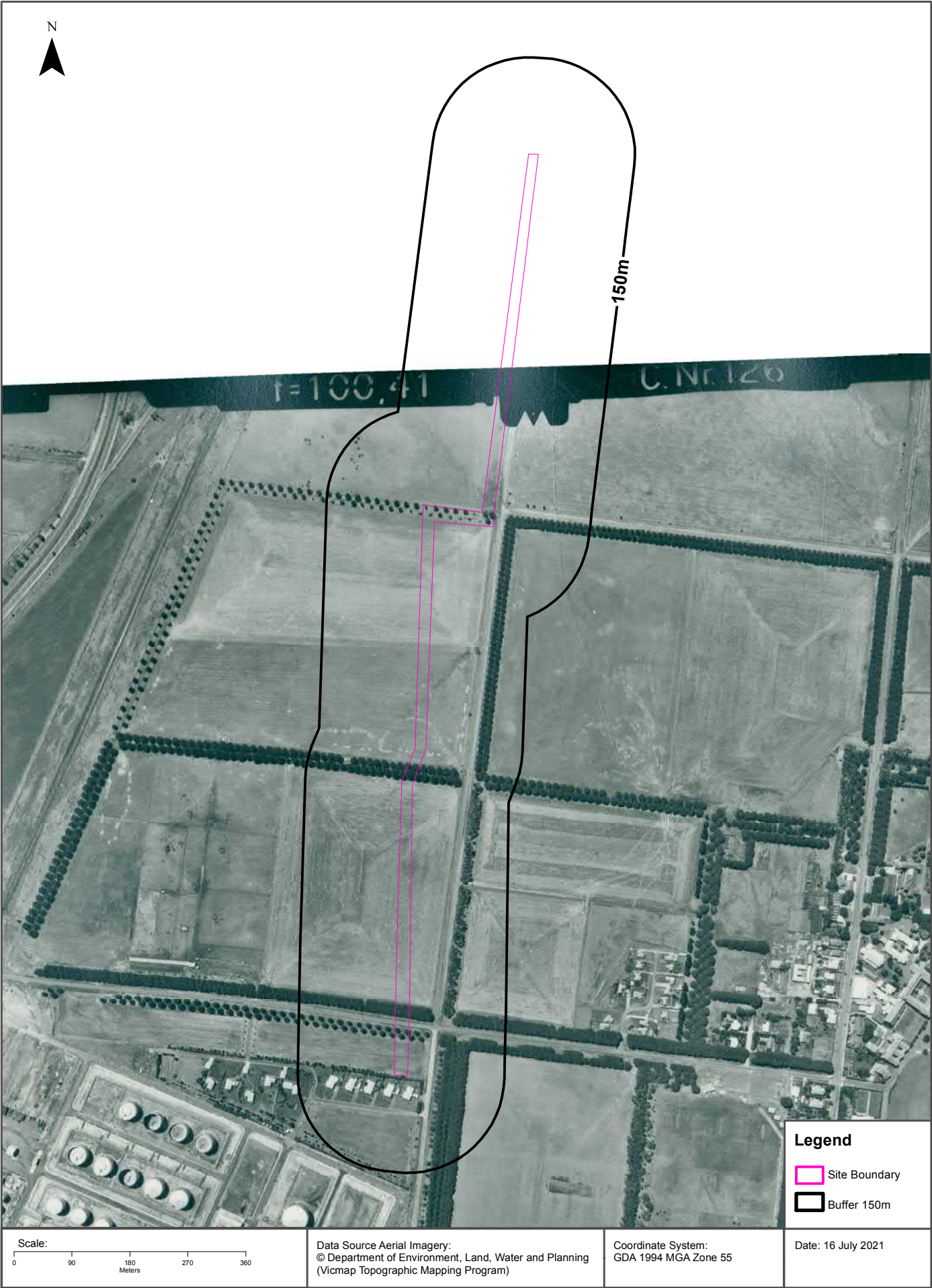
Aerial Imagery 1963

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



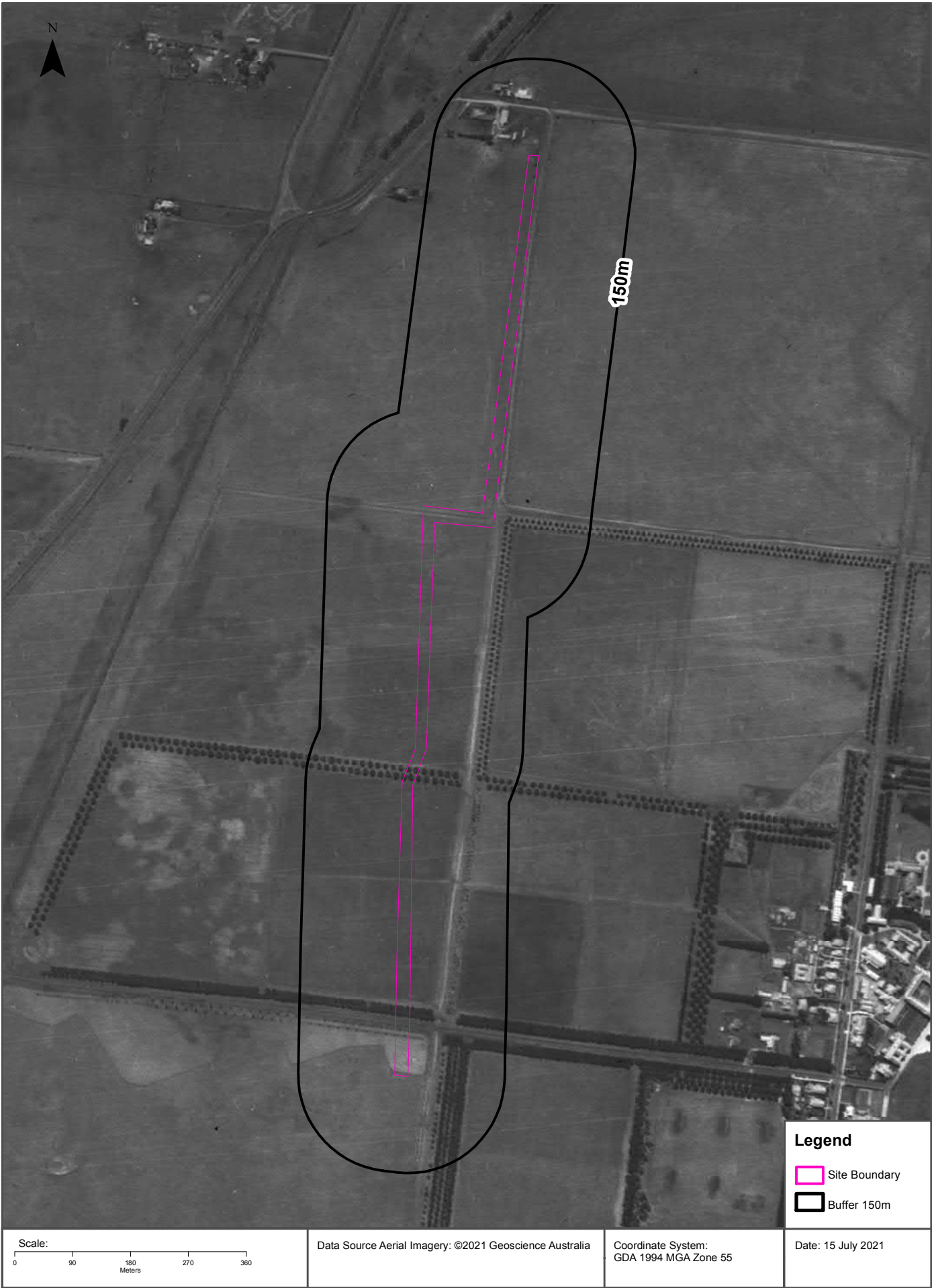
Aerial Imagery 1963

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 2)



Aerial Imagery 1946

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Date: 19 Jul 2021

Reference: LS022317 EA

Address: Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)

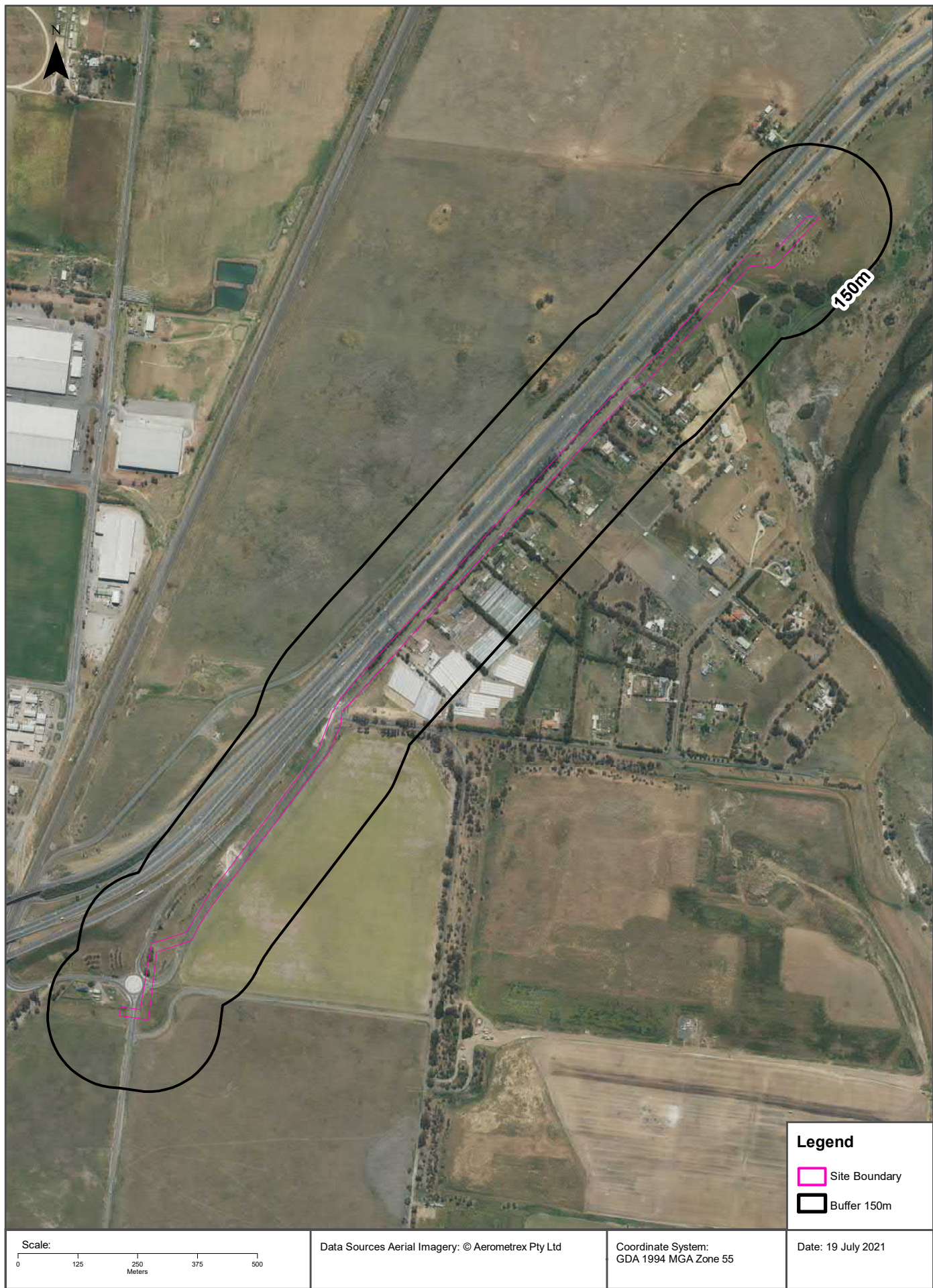
Aerial Imagery 2021

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



Aerial Imagery 2018

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



Aerial Imagery 2015

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



Aerial Imagery 2009

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



Scale: 0 125 250 375 500 Meters	Data Source Aerial Imagery: © 2021 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 July 2021
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Aerial Imagery 2002

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



Aerial Imagery 1994

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



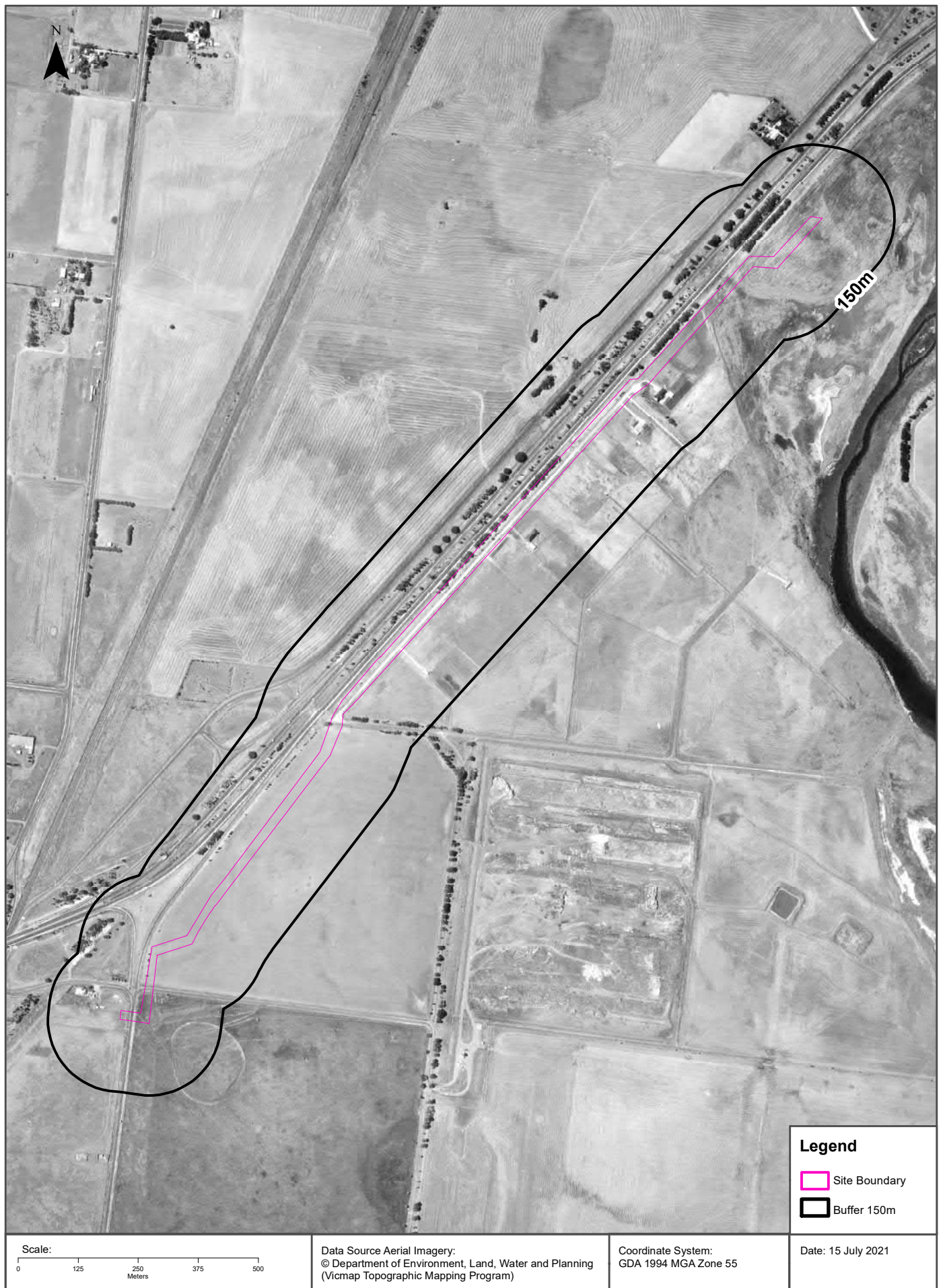
Aerial Imagery 1990

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



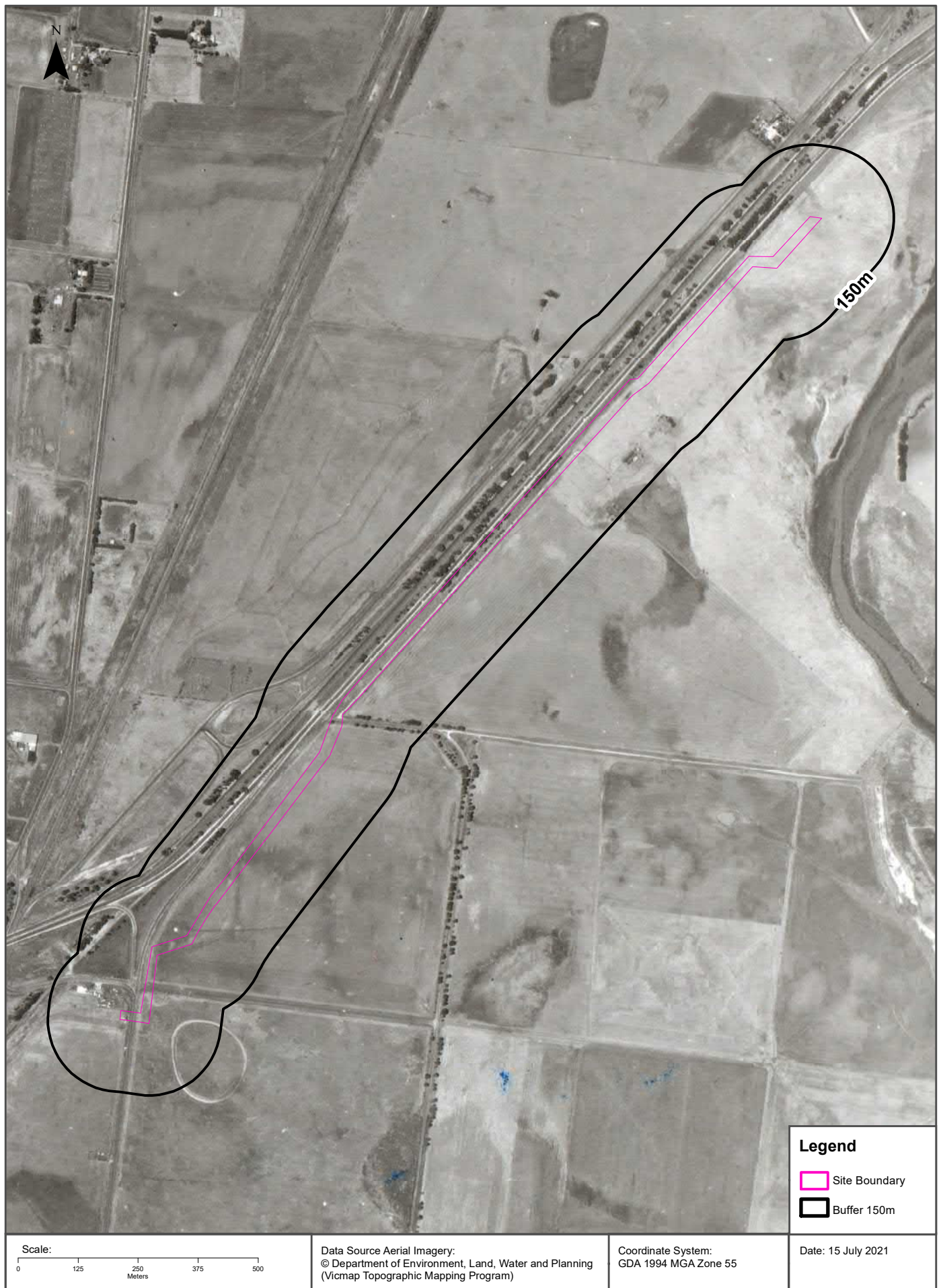
Aerial Imagery 1984

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



Aerial Imagery 1978

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



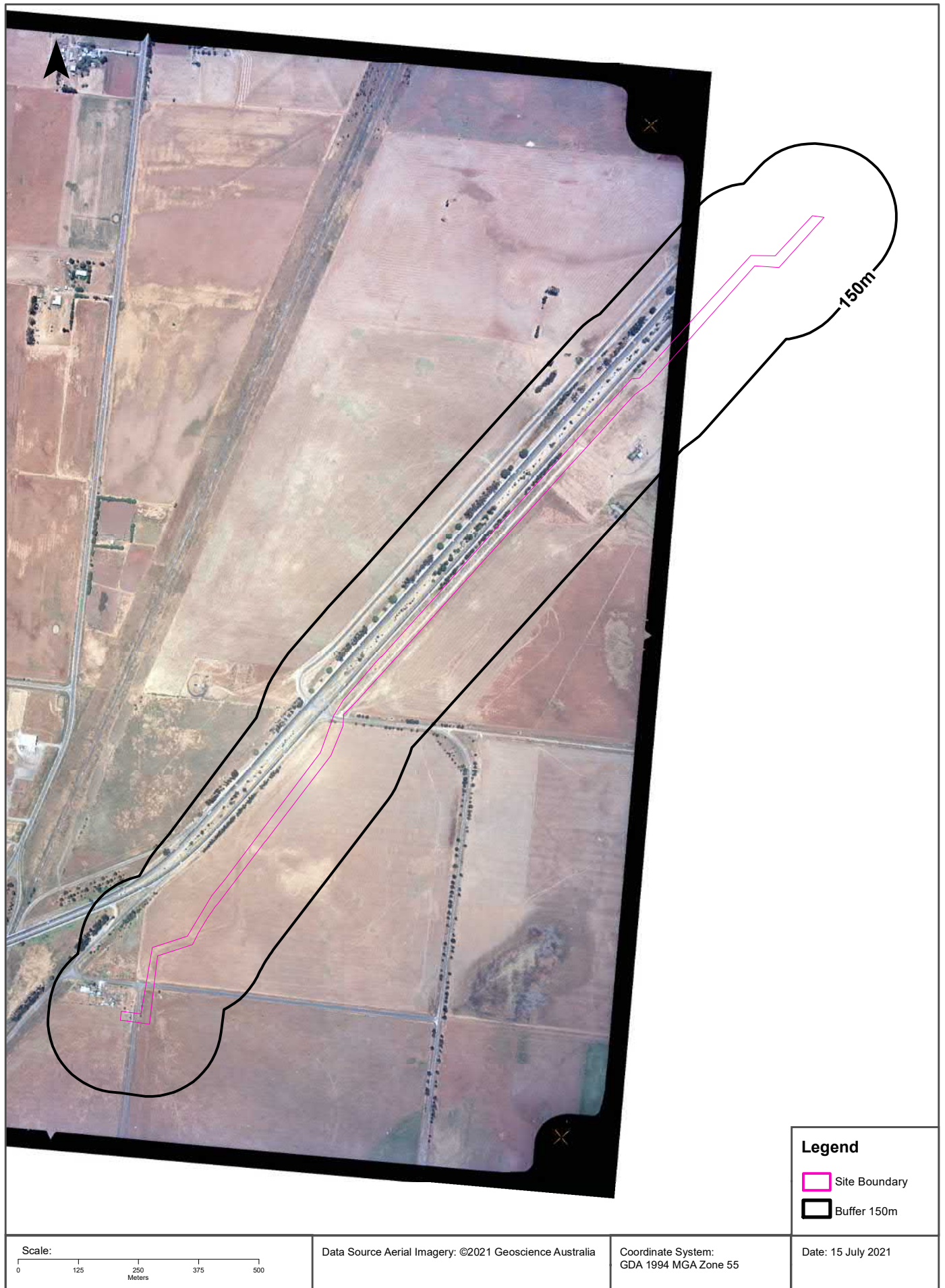
Aerial Imagery 1975

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



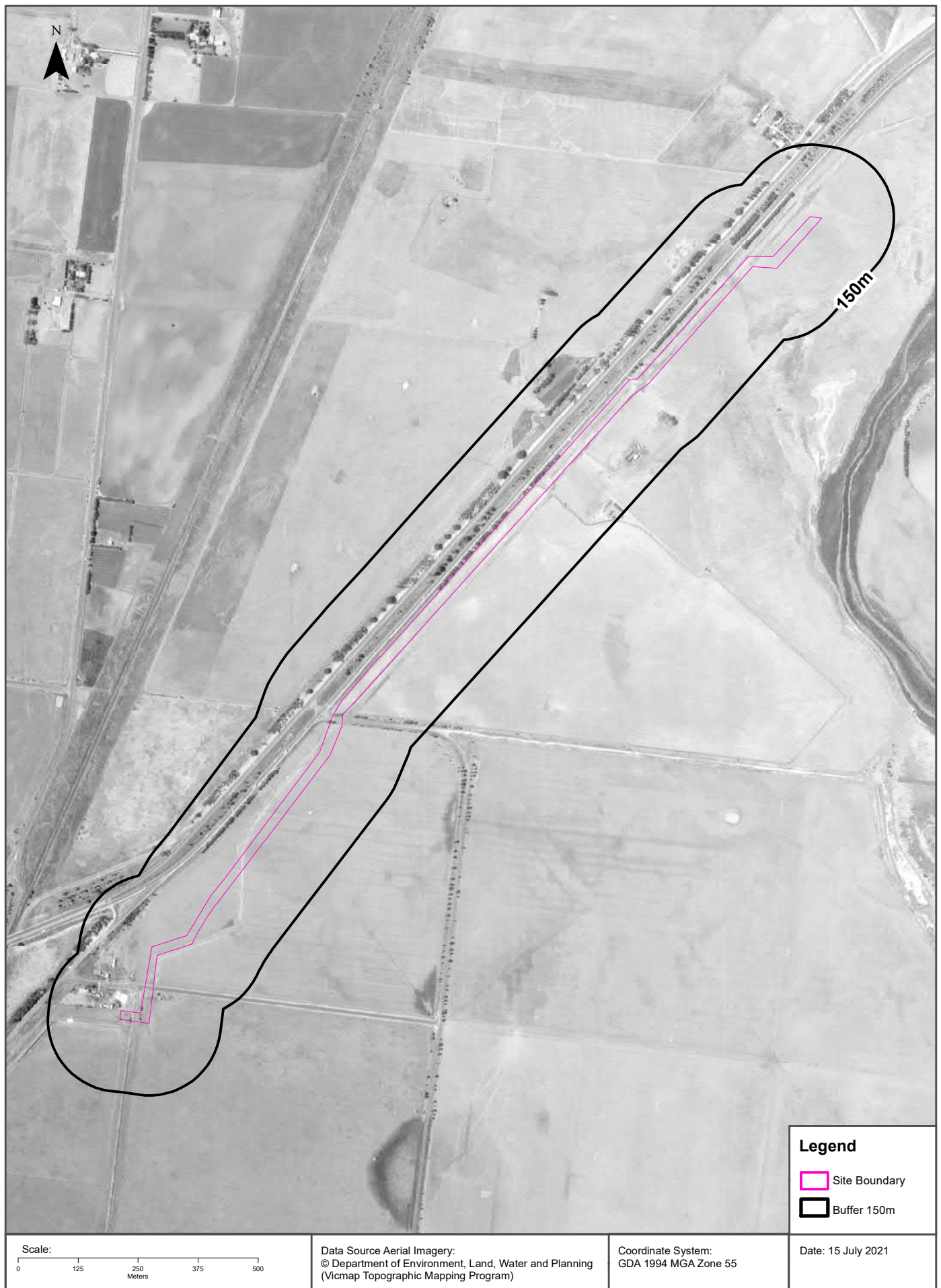
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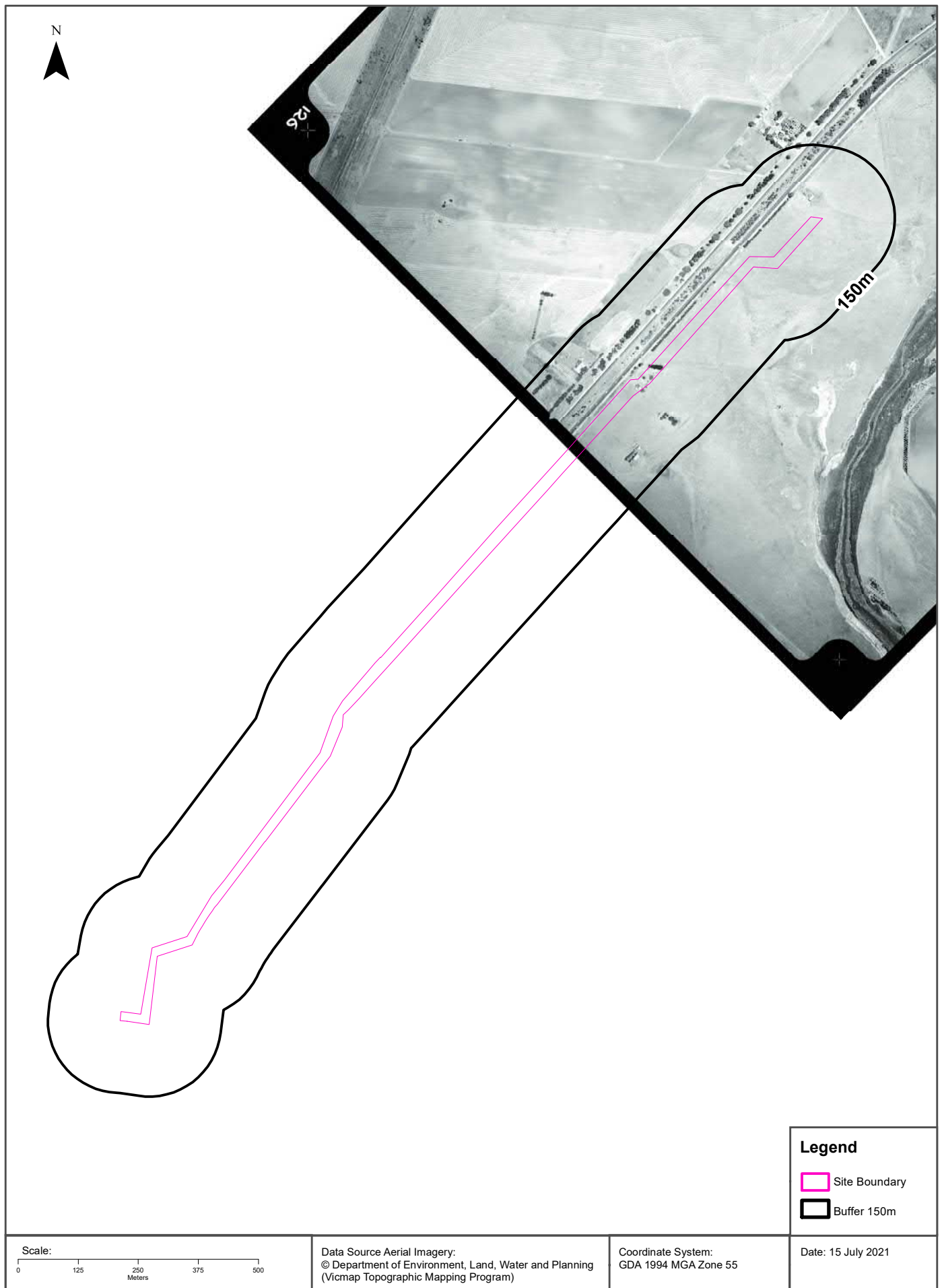
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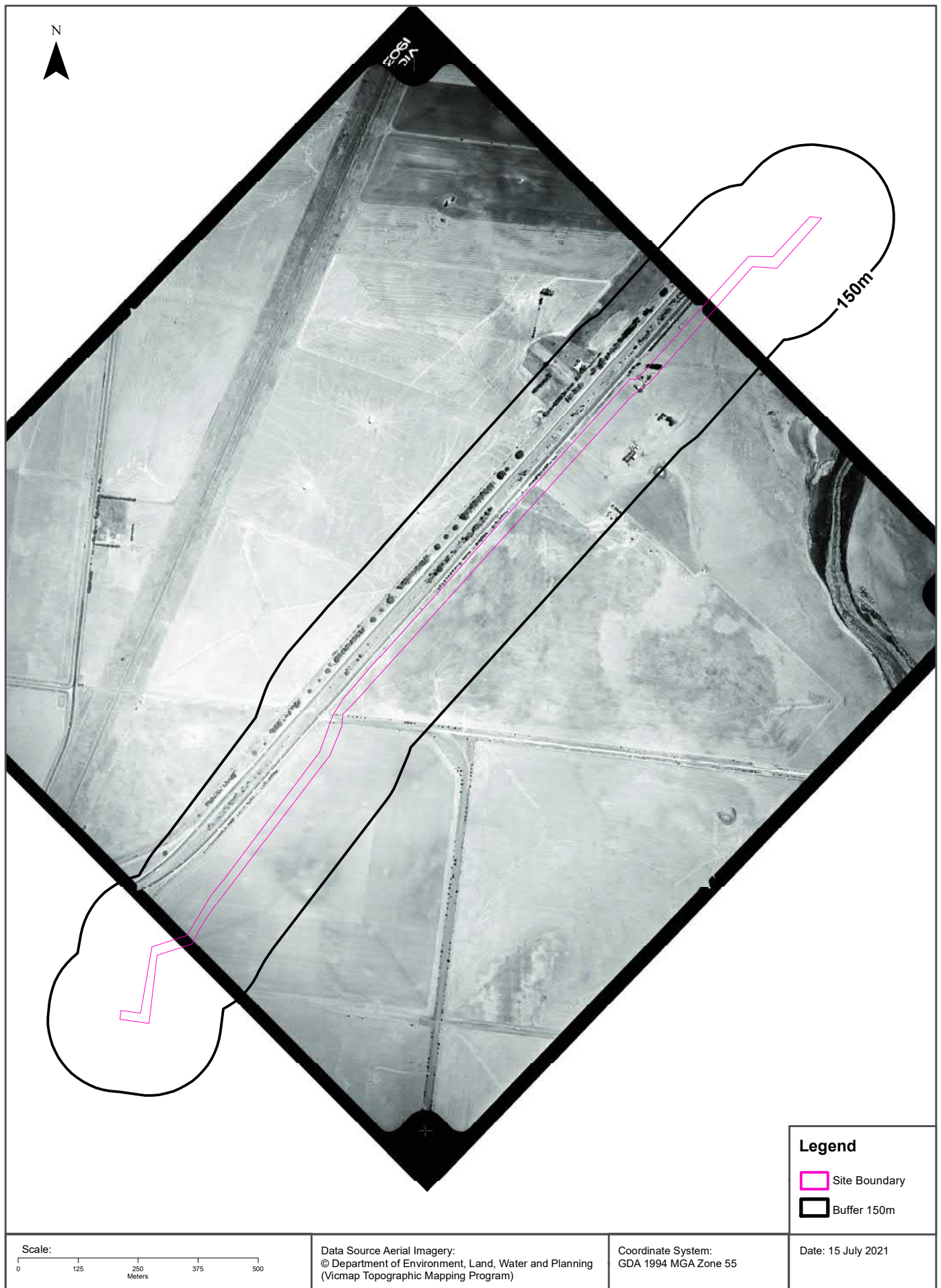
Aerial Imagery 1966

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



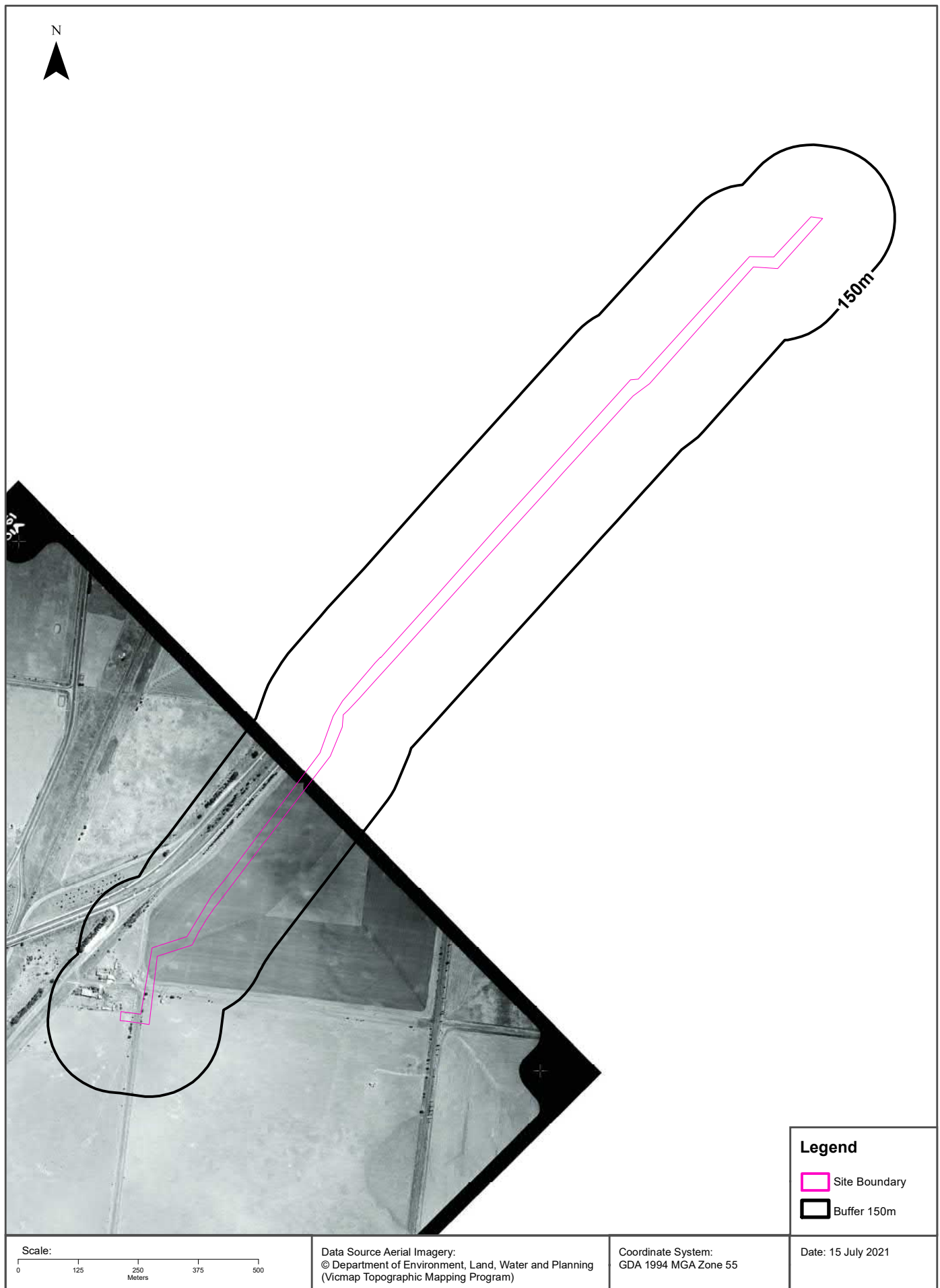
Aerial Imagery 1966

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Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



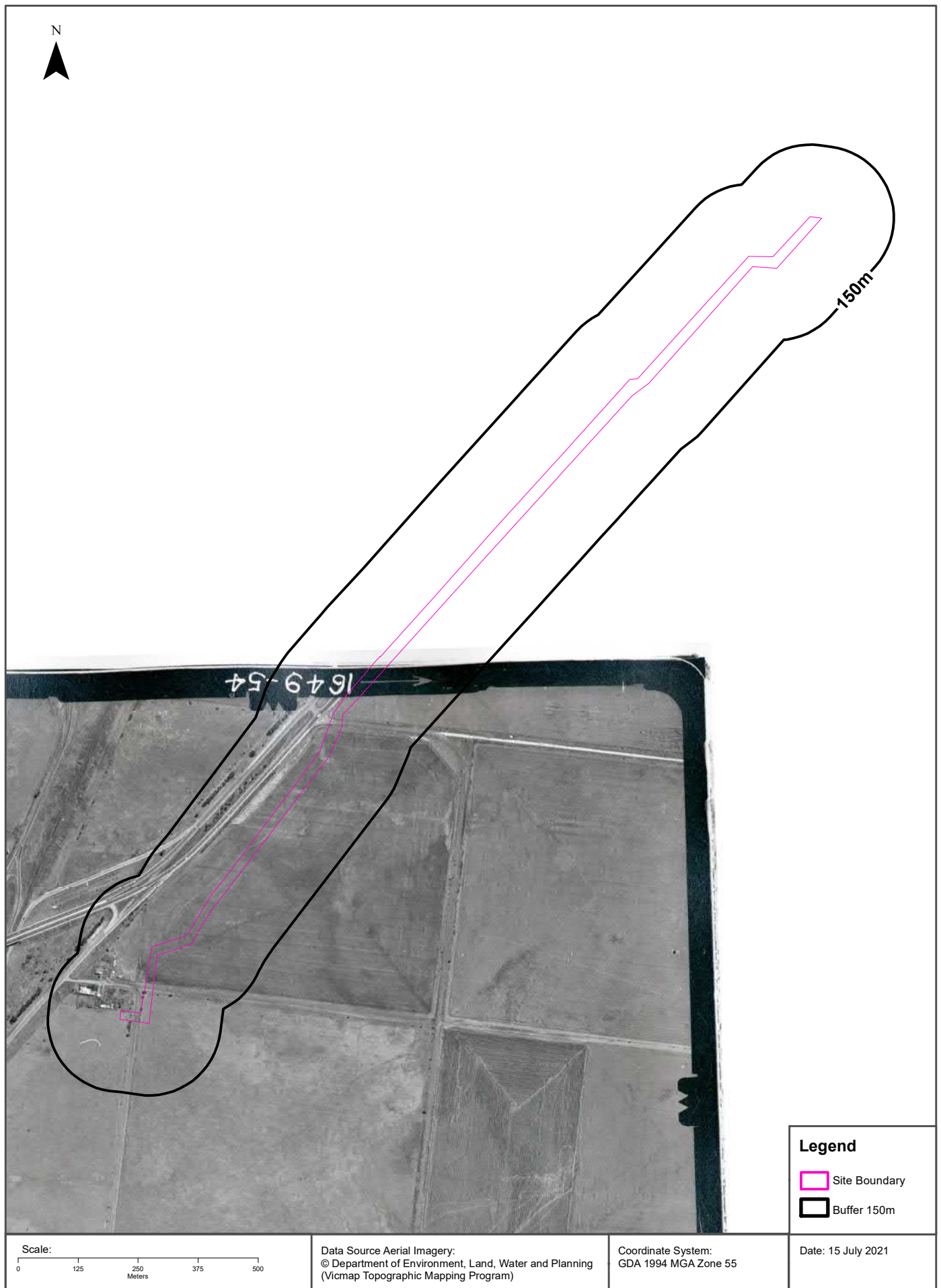
Aerial Imagery 1963

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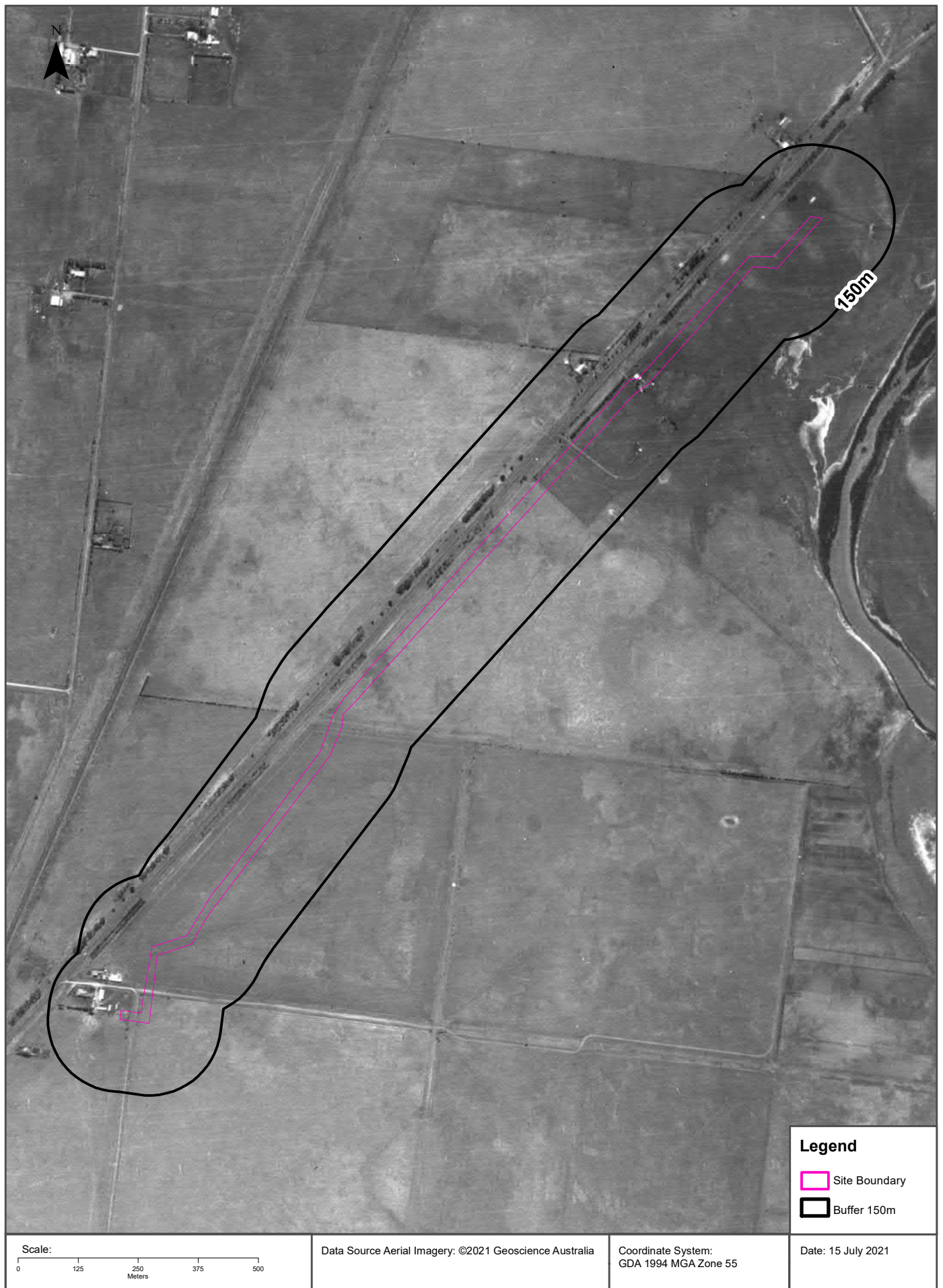
Aerial Imagery 1963

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



Aerial Imagery 1946

Geelong Refinery, 90 Refinery Road, Corio VIC 3214 (Section 3)



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