Topographic Features

6 Chapel Street, Bankstown, NSW 2200

Topographic Features

6 Chapel Street, Bankstown, NSW 2200

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
311063	Post Office	MANAHAN POST OFFICE	0m	On-site
423069	Nursing Home	BANKSTOWN TERRACE CARE COMMUNITY	30m	North West
394059	SES Facility	SYDNEY SOUTHERN SES	199m	South East
398318	Special School	CAROLINE CHISHOLM SCHOOL	361m	South West
422091	Ambulance Station	BANKSTOWN SUPERSTATION	482m	East
311057	High School	BANKSTOWN SENIOR COLLEGE	488m	North West
311065	Parking Area	Parking Area	490m	West
418273	Park	Park	510m	South West
398408	Special School	BANKSTOWN HOSPITAL SCHOOL	514m	West
420525	Nursing Home	HIXSON GARDENS AGED CARE FACILITY	527m	North East
311064	General Hospital	BANKSTOWN LIDCOMBE HOSPITAL	549m	West
417852	Sports Court	CRICKET NETS	564m	North West
417851	Sports Field	RAY BUCHANAN OVAL	577m	North West
417849	Park	PLAYGROUND	617m	North West
417855	Community Facility	BANKSTOWN SPORTS STARS FOOTBALL CLUB	648m	North West
311058	Sports Court	NETBALL COURTS	668m	North West
418219	Park	NAPOLI RESERVE	701m	South West
311060	Parking Area	Parking Area	715m	East
417848	Sports Field	NICK KEARNS OVAL	746m	North West
408121	Roadside Emergency Telephone	7	746m	South
408120	Roadside Emergency Telephone	8	781m	South
417859	Picnic Area	RUSE PARK	821m	North East
417856	Park	PLAYGROUND	844m	North East
398311	High School	SIR JOSEPH BANKS HIGH SCHOOL	891m	South West

Topographic Features

6 Chapel Street, Bankstown, NSW 2200

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Major Easements

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

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120113995	Primary	Undefined		326m	North
120109928	Primary	Undefined		387m	North
163443056	Primary	Right of way	12m	553m	South
120112551	Primary	Undefined		661m	South
120119587	Primary	Undefined		702m	South
120115959	Primary	Undefined		750m	South West
120108629	Primary	Undefined		757m	East

Topographic Features

6 Chapel Street, Bankstown, NSW 2200

State Forest

What State Forest exist within the dataset buffer?

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

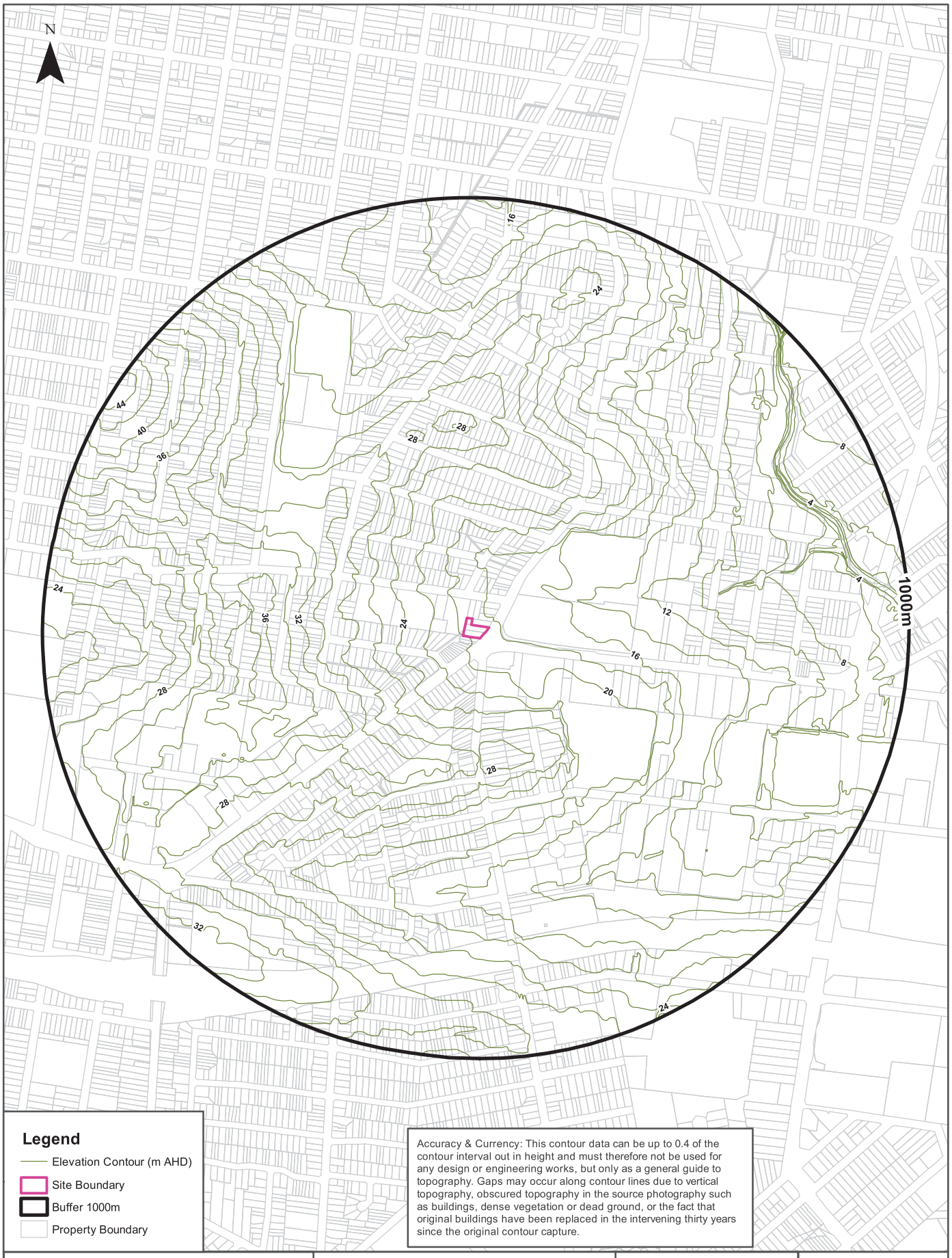
National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

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

Elevation Contours (m AHD)

6 Chapel Street, Bankstown, NSW 2200



Legend

- Elevation Contour (m AHD)
- Site Boundary
- Buffer 1000m
- Property Boundary

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

Scale:	Data Sources: Property Boundaries & Topographic Data:	Coordinate System:	Date: 26 September 2023
0 100 200 400 Meters	© Department Finance, Services & Innovation 2023	GDA 1994 MGA Zone 56	

Hydrogeology & Groundwater

6 Chapel Street, Bankstown, NSW 2200

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Porous, extensive aquifers of low to moderate productivity	0m	On-site

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

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

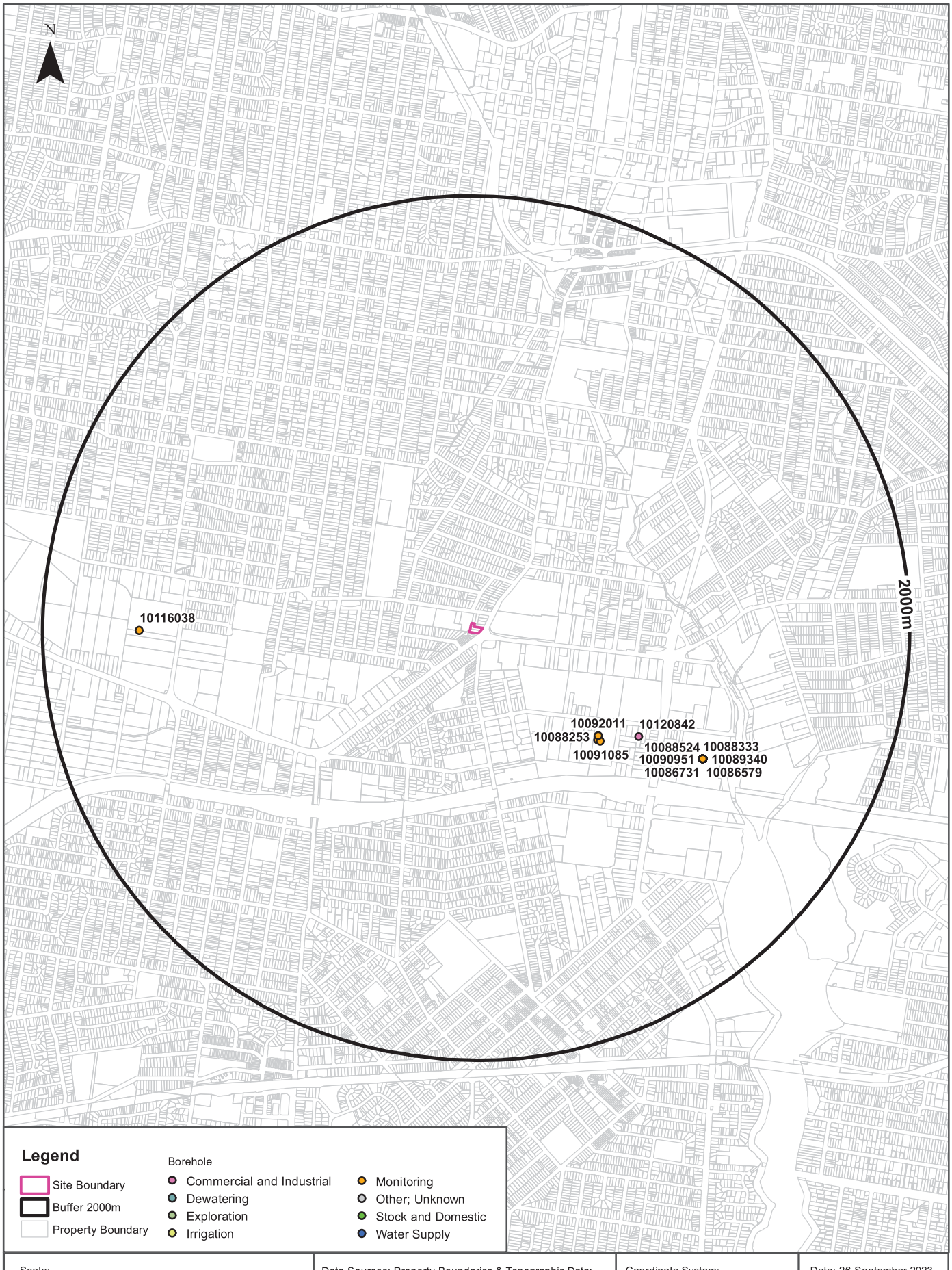
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

6 Chapel Street, Bankstown, NSW 2200



Hydrogeology & Groundwater

6 Chapel Street, Bankstown, NSW 2200

Groundwater Boreholes

Boreholes within the dataset buffer:

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10092011	GW111381	Monitoring	Functional	27/01/2011	4.50		AHD	1172		1.40	740m	South East
10088253	GW111382	Monitoring	Functional	27/01/2011	7.00		AHD	1425		4.49	752m	South East
10091085	GW111383	Monitoring	Functional	27/01/2011	6.10		AHD	19520		2.45	765m	South East
10120842	GW109275	Commercial and Industrial	Unknown	27/08/2008	7.00		AHD		1.000	6.00	893m	South East
10086579	GW103667	Monitoring	Unknown	01/11/2000	4.50		AHD				1201m	South East
10086731	GW103662	Monitoring	Unknown	03/11/2000	4.40		AHD				1201m	South East
10088333	GW103660	Monitoring	Unknown	03/11/2000	4.70		AHD				1201m	South East
10088524	GW103661	Monitoring	Unknown	03/11/2000	4.30		AHD				1201m	South East
10088547	GW103663	Monitoring	Unknown	03/11/2000	4.80		AHD				1201m	South East
10089340	GW103670	Monitoring	Unknown	06/11/2000	0.50		AHD				1201m	South East
10090491	GW103672	Monitoring	Unknown	30/10/2000	4.50		AHD				1201m	South East
10090732	GW103666	Monitoring	Unknown	01/11/2000	4.50		AHD				1201m	South East
10090951	GW103665	Monitoring	Unknown	02/11/2000	4.70		AHD				1201m	South East
10091455	GW103669	Monitoring	Unknown	06/11/2000	4.80		AHD				1201m	South East
10095950	GW103671	Monitoring	Unknown	31/10/2000	5.10		AHD				1201m	South East
10096599	GW103659	Monitoring	Unknown	03/01/2000	1.00		AHD				1201m	South East
10097591	GW103668	Monitoring	Unknown	27/11/2000	3.90		AHD				1201m	South East
10098255	GW103658	Monitoring	Unknown	03/11/2000	2.00		AHD				1201m	South East
10099144	GW103664	Monitoring	Unknown	02/11/2000	4.70		AHD				1201m	South East
10103056	GW103657	Monitoring	Unknown	06/11/2000	3.30		AHD				1201m	South East
10112823	GW103674	Monitoring	Unknown	13/11/2000	5.90		AHD				1201m	South East
10114160	GW103684	Monitoring	Unknown	02/11/2000	6.00		AHD				1201m	South East
10114734	GW103683	Monitoring	Unknown	08/11/2000	7.00		AHD				1201m	South East
10115579	GW103680	Monitoring	Unknown	01/11/2000	5.00		AHD				1201m	South East
10116604	GW103678	Monitoring	Unknown	31/10/2000	4.30		AHD				1201m	South East
10116941	GW103685	Monitoring	Unknown	02/11/2000	5.00		AHD				1201m	South East
10118815	GW103681	Monitoring	Unknown	06/11/2000	4.00		AHD				1201m	South East
10119511	GW103687	Monitoring	Unknown	02/11/2000	4.40		AHD				1201m	South East

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10120965	GW103682	Monitoring	Unknown	01/11/2000	6.00		AHD				1201m	South East
10120983	GW103677	Monitoring	Functional	27/11/2000	4.50		AHD				1201m	South East
10122922	GW103690	Monitoring	Unknown	06/11/2000	3.40		AHD				1201m	South East
10124177	GW103675	Monitoring	Unknown	13/11/2000	5.60		AHD				1201m	South East
10124407	GW103679	Monitoring	Unknown	01/11/2000	5.00		AHD				1201m	South East
10125242	GW103689	Monitoring	Unknown	27/11/2000	3.50		AHD				1201m	South East
10125655	GW103673	Monitoring	Unknown	30/10/2000	4.30		AHD				1201m	South East
10126004	GW103688	Monitoring	Unknown	27/11/2000	3.60		AHD				1201m	South East
10131391	GW103676	Monitoring	Unknown	13/11/2000	5.60		AHD				1201m	South East
10116038	GW113186	Monitoring	Functional	26/08/2013	8.30		AHD			2.91	1545m	West

Hydrogeology & Groundwater

6 Chapel Street, Bankstown, NSW 2200

Driller's Logs

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

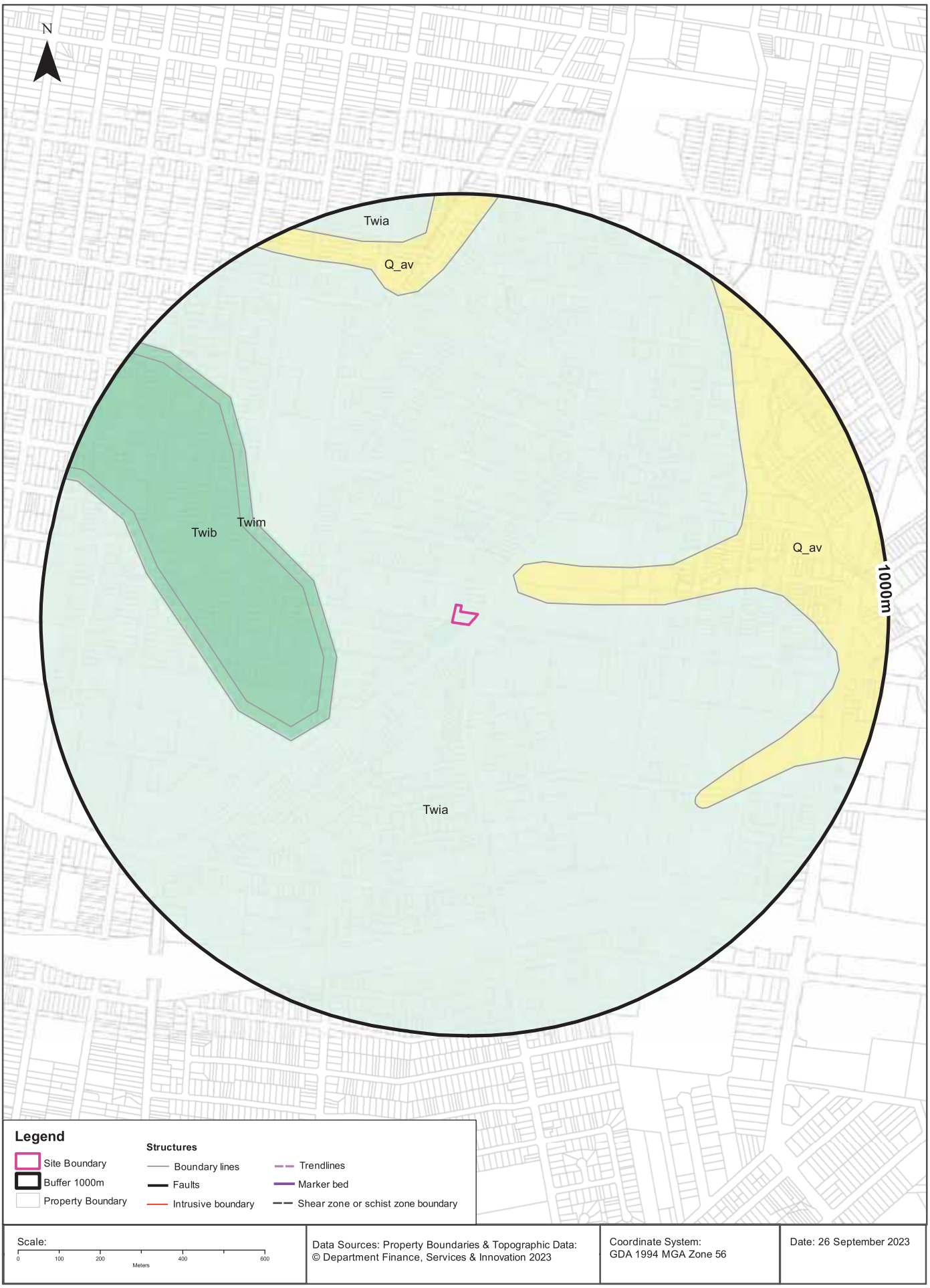
NGIS Bore ID	Drillers Log	Distance	Direction
10092011	0.00m-0.24m CONCRETE 0.24m-1.20m FILL,FIRM BROWN AND SILTY CLAY 1.20m-1.80m FILL,FIRM BROWN AND SILTY CLAY 1.80m-2.30m NATURAL FIRM BROWN AND SILTY CLAY 2.30m-3.90m CLAY,STIFF GREY 3.90m-4.50m BEDROCK GREY SLATE	740m	South East
10088253	0.00m-0.20m CONCRETE 0.20m-0.50m FILL,BROWN SILTY CLAY WITH GRAVEL 0.50m-2.10m NATURAL FIRM BROWN SILTY CLAY 2.10m-2.77m STIFF GREY CLAY WITH IRONSTONE NODULES 2.77m-4.00m STIFF TO HARD GREY CLAY 4.00m-4.30m GREY MODERATE STRENGHT W/SHALE 4.30m-5.20m GREY MODERATE STRENGHT W/SHALE 5.20m-6.40m GREY HIGH STRENGHT SHALE 6.40m-7.00m MODERATELY	752m	South East
10091085	0.00m-0.25m CONCRETE 0.25m-0.90m FILL,BROKEN SILTY SANDY CLAY 0.90m-1.70m NATURAL FIRM BROWN SILTY CLAY 1.70m-2.10m STIFF GREY CLAY WITH IRONSTONE NODULES 2.10m-3.50m SHALE GREY MODERATE STRENGTH 3.50m-5.00m SHALE HIGH STRENGTH 5.00m-6.10m MODERATELY	765m	South East
10086579	0.00m-2.30m CLAY/STILT,BROWN/RED/GREY,STIFF,FIRM 2.30m-2.50m SHALE,FIRM,GREY/RED,DRY,FRIABLE 2.50m-2.70m CLAY FIRM,GREY,HOMOGENOUS 2.70m-2.90m SHALE,DRY,GREY/BROWN,FIRM 2.90m-4.00m CLAY,VERY MOIST,GREY 4.00m-4.50m CLAY,VERY MOIST,STICKY,GREY,GREEN	1201m	South East
10086731	0.00m-0.70m CLAY:BROWN/GREY,FUNNY COLOUR 0.70m-1.40m CLAY:GREY/RED,FIRM,PLASTIC 1.40m-1.50m GRAVEL(SHALE):COARSE,LOOSE,DRY 1.50m-2.30m CLAY:GREY,HOMOGENEOUS,PLASTIC 2.30m-2.60m SHALE:ORANGE/GREY,DRY,FRIABLE 2.60m-3.00m GRAVELS:ORANGE/GREY,FRIABLE 3.00m-4.40m SHALE:DRY,GREY,FRIABLE	1201m	South East
10088333	0.00m-0.70m FILL,BRICKS,SAND,CLAY 0.70m-1.50m CLAY: STILT/PLASTIC,GREY/GRAVEL 1.50m-2.50m CLAY:GREY/GRAVEL 2.50m-3.40m SHALES: DRY,GREY TO BROWN 3.40m-3.50m GRAVEL:MOIST/WET/LOOSE 3.50m-4.70m SHALES:FRIABLE/DRY	1201m	South East
10088524	0.00m-0.10m CONCRETE 0.10m-1.10m CLAYS:FIRM,PLASTIC,GREY 1.10m-1.50m CLAY:GREY,HOMOGENEOUS,PLASTIC 1.50m-1.60m GRAVELS:RED/BROWN,WEATHERED 1.60m-2.40m CLAYS:INTERBEDDED AND SHALE 2.40m-4.30m SHALES:DRY,FRIABLE,LOOSE	1201m	South East
10088547	0.00m-0.50m FILL CLAYS:BLACK/BROWN,FIRM 0.50m-1.10m CLAYS:GREY/BROWN 1.10m-1.20m GRAVELS (SHALE) WEATHERED,HARD/RED 1.20m-1.50m CLAYS:GREY WITH OCC RED 1.50m-4.80m SHALES: WITH CLAYS,DRY,FIRM,FRIABLE	1201m	South East
10089340	0.00m-0.50m FILL MATERIAL,GRAVEL,SAND,	1201m	South East
10090491	0.00m-0.13m SAND,MEDIUM GRAINED,LOOSE 0.13m-0.75m CLAY,FIRM,TIGHT,GREY/BROWN/IRON 0.75m-2.50m SILT/SANDY,BROWN,MEDIUM,PLASTICITY 2.50m-2.55m CLAY,GREY/WHITE,FIRM,LOW,DRY 2.55m-3.30m SHALE,DRY,GREY,BROWN,FRIABLE 3.30m-3.50m CLAY GREY/GREEN,FIRM 3.50m-4.50m SHALES,DRY,FIRM,DRY,FRIABLE	1201m	South East
10090732	0.00m-0.35m CLAY,RED,GREY,STICKY,PLASTICITY 0.35m-1.30m CLAY,GREY/GREEN,FIRM 1.30m-2.00m SHALES INTERBEDDED(FIRM,DRY) CLAY 2.00m-4.50m SHALES:FIRM,DRY,GREY	1201m	South East

NGIS Bore ID	Drillers Log	Distance	Direction
10090951	0.00m-1.00m SILT/CLAYS,GREY/BROWN,FAINT HCO 1.00m-1.80m CLAYS,STIFF,DRY,GREY 1.80m-2.20m SHALE, DRY,RED,FRIABLE 2.20m-2.40m CLAY, PLASTICITY-FIRM,GREY,DRY 2.40m-4.70m SHALES,DRY FIRM/HARD,GREY TO RED	1201m	South East
10091455	0.00m-1.50m SAND/CLAY, MINOR GRAVEL,BROWN 1.50m-3.70m CLAY,PALE YELLOW/BROWN,FIRM 3.70m-4.80m SHALE WEATHERED,CLAY,RED/GREY	1201m	South East
10095950	0.00m-0.17m FILL SAND MATERIAL,BLACK /GREY/CLAY 0.17m-0.25m CLAY,SOFT-FIRM,LIGHT GREY, 0.25m-1.30m CLAY/SILT,BROWN/BLACK 1.30m-1.50m CLAY/SILT,STICKY,RED 1.50m-1.70m SHALES,LOOSE,FRIABLE,FIRM 1.70m-2.10m CLAY SITICKY,MOIST,MINOR SAND 2.10m-3.00m SILTS/CLAY,GREY,BROWN,FIRM 3.00m-3.30m SHALE,RED FIRM 3.30m-5.10m SILT/CLAY,GREYT WITH RED MOTTLES.	1201m	South East
10096599	0.00m-1.00m SAND:DAMP WET STENG HCO	1201m	South East
10097591	0.00m-1.00m GRAVEL MIXED,MOTTLED GREY/CLAY 1.00m-2.70m CLAY:LIGHT GREY 2.70m-3.60m SHALE,GREY,BROWN,WEATHERED 3.60m-3.90m CLAY,BROWN,FIRM AND WET	1201m	South East
10098255	0.00m-0.70m FILL/GRAVEL 0.70m-1.50m CLAY: GREY,PLASTIC,FIRM 1.50m-2.00m SHALE: DRY	1201m	South East
10099144	0.00m-1.00m CLAY:STIFF,FIRM LOW PLASTICITY 1.00m-2.00m CLAY:STIFF,RED,GREY 2.00m-4.70m SHALE,RED AND DRY GREY SHALES	1201m	South East
10103056	0.00m-1.00m CONCRETE SURFACE,DRY GREY CLAY 1.00m-2.70m CLAY SILT:DRY,FINE GREY SILT 2.70m-3.30m SHALE:WEATHERED,CLAY	1201m	South East
10112823	0.00m-0.20m FILL,GRAVEL/CLAY,TRACE SAND 0.20m-1.50m CLAY,MOTTLED BROWN AND RED 1.50m-2.30m IRONSTONE,PALE,YELLOW,ORANGE/RED 2.30m-4.00m CLAY,MASSIVE MOTTLED LIGHT GREY/YELLOW 4.00m-5.90m CLAY,WEATHERED SHALE	1201m	South East
10114160	0.00m-1.40m FILL MATERIAL,LOSS DRY CLAYS,SILTS 1.40m-2.00m CLAYS,GREY/YELLOW,FIRM 2.00m-4.40m CLAYS,STICKY,BROWN/GREY,PLASTIC 4.40m-4.90m SHALES, WEATHERED,RED,DAMP 4.90m-5.20m CLAY,FIRM GREY 5.20m-6.00m SHALES: RED,WEATHERED,MOIST	1201m	South East
10114734	0.00m-1.00m SOIL,BLACK WITH GRAVEL 1.00m-2.40m FILL,BRICK,SOME GRAVEL 2.40m-4.40m FILL COARSE/MEDIUM GRAINED 4.40m-5.00m FILL, CLAY,DRY BANDS 5.00m-6.00m CLAY VERY STIFF 6.00m-7.00m SANDSTONE,COARSE GRAINED	1201m	South East
10115579	0.00m-1.30m SAND,CONCRETE,FRAGMENT,FILL 1.30m-1.80m SAND BLACK/GREY,FINE,MEDIUM GRAINED 1.80m-3.40m CLAY,SILT,PLASTIC,GREY/GREEN 3.40m-3.50m SAND MOIS,BLACK,FINE GRAINED 3.50m-5.00m CLAY/SILT,BROWN/GREY WITH OCC RED 5.00m-5.50m CLAYS WITH GRAVEL FRAGMENTS	1201m	South East
10116604	0.00m-1.00m FILL MATERIAL,SILT,GRAVELS/CLAYS 1.00m-2.20m CLAY/SILT,FIRM,RED/GREY 2.20m-4.00m SILT/CLAYS,GREY/BLACK,STIFF 4.00m-5.60m STIFF CLAYS,GREY GREEN WITH OCC. 5.60m-6.00m SHALES,HARD,FRIABLE	1201m	South East
10116941	0.00m-1.60m SILTS,CLAYS,GRAVELS,DRY BROWN 1.60m-3.20m CLAY/SILT,FIRM,DRY,ORANGE/BROWN 3.20m-4.40m CLAY,SOFT,PLASTIC,GREY/BROWN 4.40m-5.40m CLAYS,STICKY WITH ROCK/SHALE 5.40m-6.00m SHALES,OCHRE COLOUR,WET	1201m	South East
10118815	0.00m-2.00m FILL,SAND,MEDIUM TO FINE GRAIN 2.00m-2.40m CLAY,FIRM,GREY/BROWN COLOUR 2.40m-3.40m FILL,BRICK MATERIAL,LOOSE,RED 3.40m-4.70m CLAY,FIRM,GREY/BROWN	1201m	South East
10119511	0.00m-1.00m SILT,CLAYS 1.00m-1.20m SHALE 1.20m-3.60m CLAY 3.60m-4.40m CLAY WITH SHALES	1201m	South East

NGIS Bore ID	Drillers Log	Distance	Direction
10120965	0.00m-1.10m SAND FILL 1.10m-1.40m CLAY,FILL MATERIAL,CONCRETE,GRAVEL 1.40m-1.50m FILL CONTINUES(ASHY) SILTY SAND 1.50m-2.00m CLAY,STIFF,MODERATE PLASTICITY 2.00m-2.20m SANDY SILT,WET,BROWN 2.20m-5.20m CLAY,GREY WITH RED MOTTLES 5.20m-5.40m COARSE GRAVELS,RED STAINING 5.40m-6.00m CLAYS,GREY,PLASTIC-FIRM	1201m	South East
10120983	0.00m-1.00m FILL,DARK GREY,LOOSE,GRAVEL,SAND 1.00m-1.70m FILL,DARK GREY,GRAVEL,SAND,MOIST 1.70m-3.10m CLAY,LIGHT GREY,PLASTIC, DRY 3.10m-4.50m SATURATED WATER,NO H/C ODOUR	1201m	South East
10122922	0.00m-0.70m FILL WET,LARGE GRAVEL 0.70m-1.00m CLAY,LIGHT GREY 1.00m-1.40m SHALE,LIGHT GREY 1.40m-2.30m CLAY,LIGHT GREY,MOIST 2.30m-3.40m CLAY/SILT	1201m	South East
10124177	0.00m-0.15m FILL,FRAGMENTS OF SHALE,SAND 0.15m-1.00m CLAY,MOTTLED TEXTURE 1.00m-2.00m CLAY,STIFF,DARK BROWN 2.00m-2.80m CLAY,PLAE BROWN/IRONSTONE 2.80m-4.00m CLAY,MASSIVE TEXTURE,IRONSTONE 4.00m-5.60m CLAY,GREY,FRIABLE/WEATHERED SHALE	1201m	South East
10124407	0.00m-1.30m SAND,CONCRETE,FRAGMENT,FILL 1.30m-1.80m SAND,BLACK/GREY,FINE-MEDIUM GRAINED 1.80m-3.40m CLAY,SILT,PLASTIC,GREY/GREEN 3.40m-3.50m SAND MOIST,BLACK,FINE GRAINED 3.50m-5.00m CLAY/SILT,BROWN/GREY WITH OCC RED 5.00m-5.50m CLAYS WITH GRAVEL FRAGMENTS STIFF,FIRM	1201m	South East
10125242	0.00m-0.50m FILL,MOIST GREY CLAY 0.50m-1.60m CLAY,SOFT-FIRM 1.60m-2.60m CLAY SILT,STICKY,RED 2.60m-3.00m SAND,QUARTZ SAND 3.00m-3.40m CLAY, VERY STIFF 3.40m-3.50m SHALE AT BASE,WEATHERED BEDROCK	1201m	South East
10125655	0.00m-0.13m SAND,FILL 0.13m-1.00m CLAY,SILT 1.00m-1.50m CLAY/SILT,FRIABLE,LOOSE 1.50m-2.00m CLAY GREY/WHITE 2.00m-2.20m SHALE FRAGMENTS 2.20m-2.50m CLAY/SANDY SILT 2.50m-2.60m SHALES:BROWN/GREY/CLAY 2.60m-3.60m CLAY/SILT/GREY/GREEN 3.60m-4.30m SHALES,GREY,DRY,FIRM,FRIABLE	1201m	South East
10126004	0.00m-1.00m CLAY 1.00m-1.50m CLAY,SLIGHTLY SANDY 1.50m-3.60m CLAY,LIGHT GREY COLOUR	1201m	South East
10131391	0.00m-0.60m Fill,soil/sand,gravel,glass 0.60m-1.00m Clay,pale and dark brown,minor ironstone 1.00m-4.20m clay,bright yellow,small paches of ironstone 4.20m-5.60m clay/weathered shale,brown to grey	1201m	South East

Geology

6 Chapel Street, Bankstown, NSW 2200



Geology

6 Chapel Street, Bankstown, NSW 2200

Geological Units

What are the Geological Units within the dataset buffer?

Unit Code	Unit Name	Description	Unit Stratigraphy	Age	Dominant Lithology	Distance
Twia	Ashfield Shale	Black to light grey shale and laminite.	/Wianamatta Group//Ashfield Shale//	Middle Triassic (base) to Middle Triassic (top)	Shale	0m
Q_av	Alluvial valley deposits	Silt, clay, (fluvially deposited) lithic to quartz-lithic sand, gravel.	/Alluvium//Alluvial valley deposits//	Quaternary (base) to Now (top)	Clastic sediment	111m
Twim	Minchinbury Sandstone	Fine- to medium-grained lithic sandstone.	/Wianamatta Group//Minchinbury Sandstone//	Middle Triassic (base) to Middle Triassic (top)	Sandstone	293m
Twib	Bringelly Shale	Shale, carbonaceous claystone, laminite, lithic sandstone, rare coal.	/Wianamatta Group//Bringelly Shale//	Middle Triassic (base) to Middle Triassic (top)	Shale	323m

Linear Geological Structures

What are the Dyke, Sill, Fracture, Lineament and Vein trendlines within the dataset buffer?

Map ID	Feature Description	Map Sheet Name	Distance
No Features			

What are the Faults, Shear zones or Schist zones, Intrusive boundaries & Marker beds within the dataset buffer?

Map ID	Boundary Type	Description	Map Sheet Name	Distance
No Features				

Naturally Occurring Asbestos Potential

6 Chapel Street, Bankstown, NSW 2200

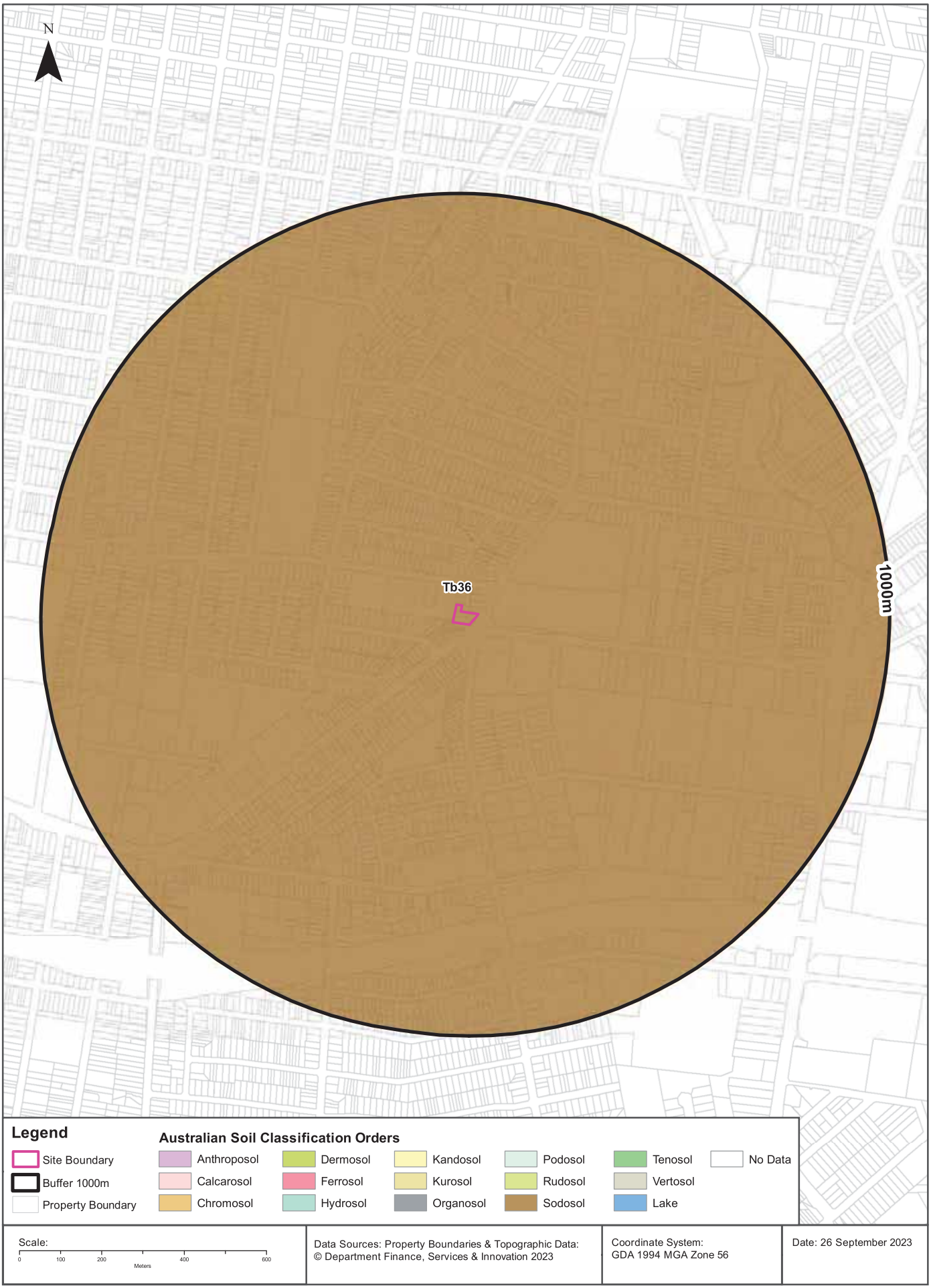
Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

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

Atlas of Australian Soils

6 Chapel Street, Bankstown, NSW 2200



Soils

6 Chapel Street, Bankstown, NSW 2200

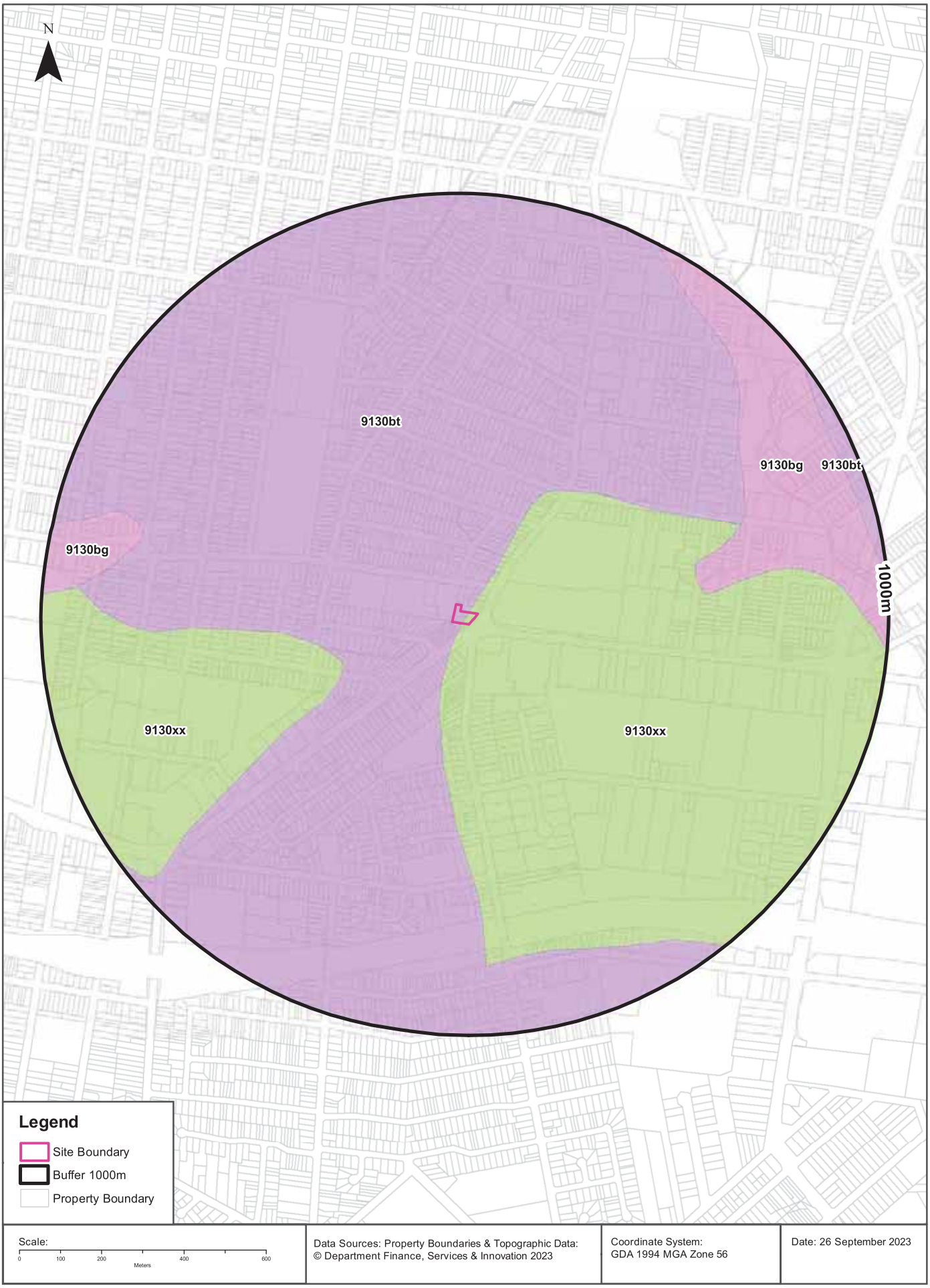
Atlas of Australian Soils

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

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Tb36	Sodosol	Undulating: chief soils are hard acidic yellow mottled soils (Dy3.41) usually containing some ironstone gravels throughout the profile. Associated are small areas of units Pb12 and Pb13.	0m	On-site

Soil Landscapes of Central and Eastern NSW

6 Chapel Street, Bankstown, NSW 2200



Soils

6 Chapel Street, Bankstown, NSW 2200

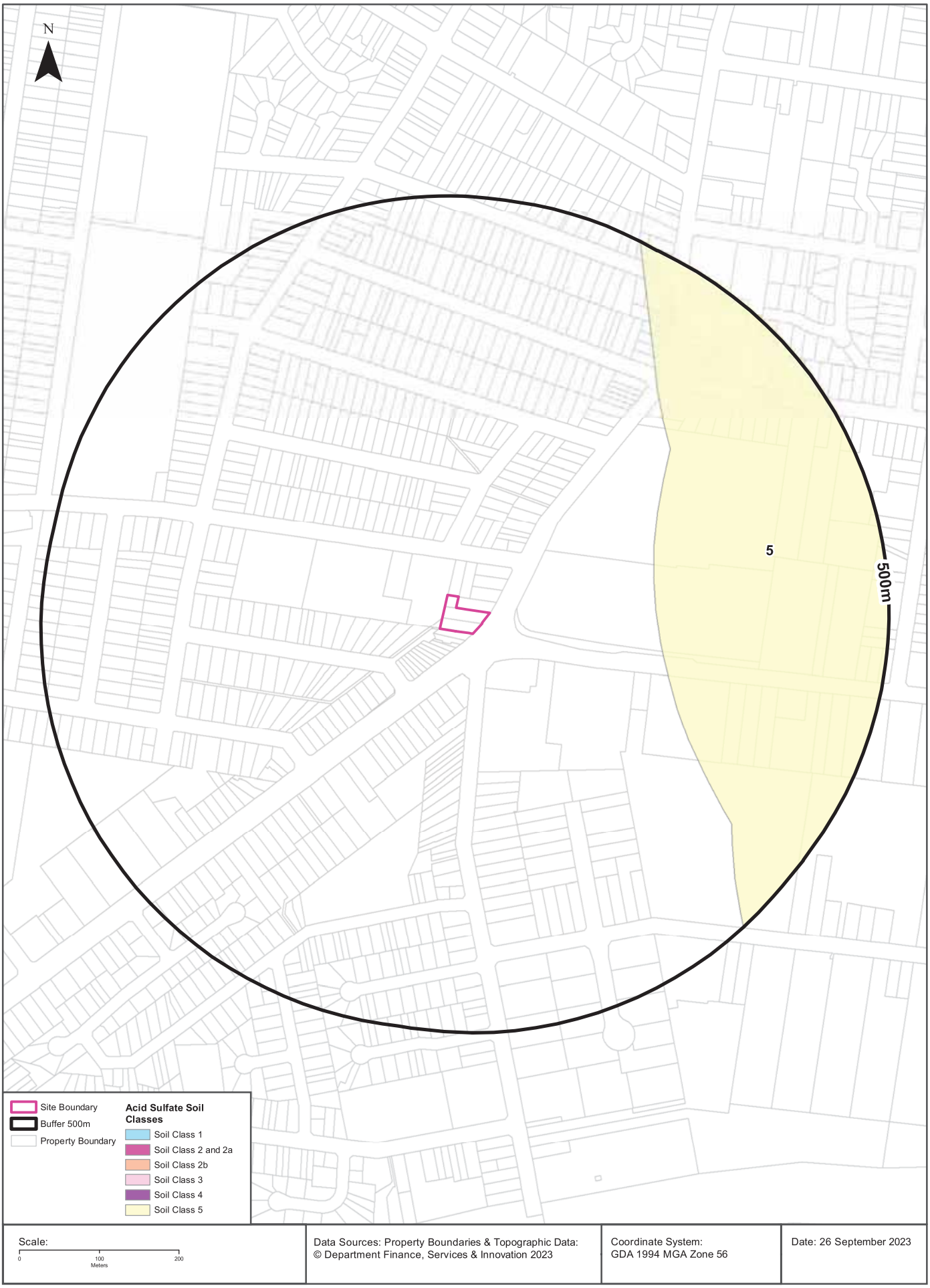
Soil Landscapes of Central and Eastern NSW

Soil Landscapes of Central and Eastern NSW within the dataset buffer:

Soil Code	Name	Distance	Direction
9130bt	Blacktown	0m	On-site
9130xx	Disturbed Terrain	0m	On-site
9130bg	Birrong	537m	North East

Acid Sulfate Soils

6 Chapel Street, Bankstown, NSW 2200



Acid Sulfate Soils

6 Chapel Street, Bankstown, NSW 2200

Environmental Planning Instrument - Acid Sulfate Soils

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

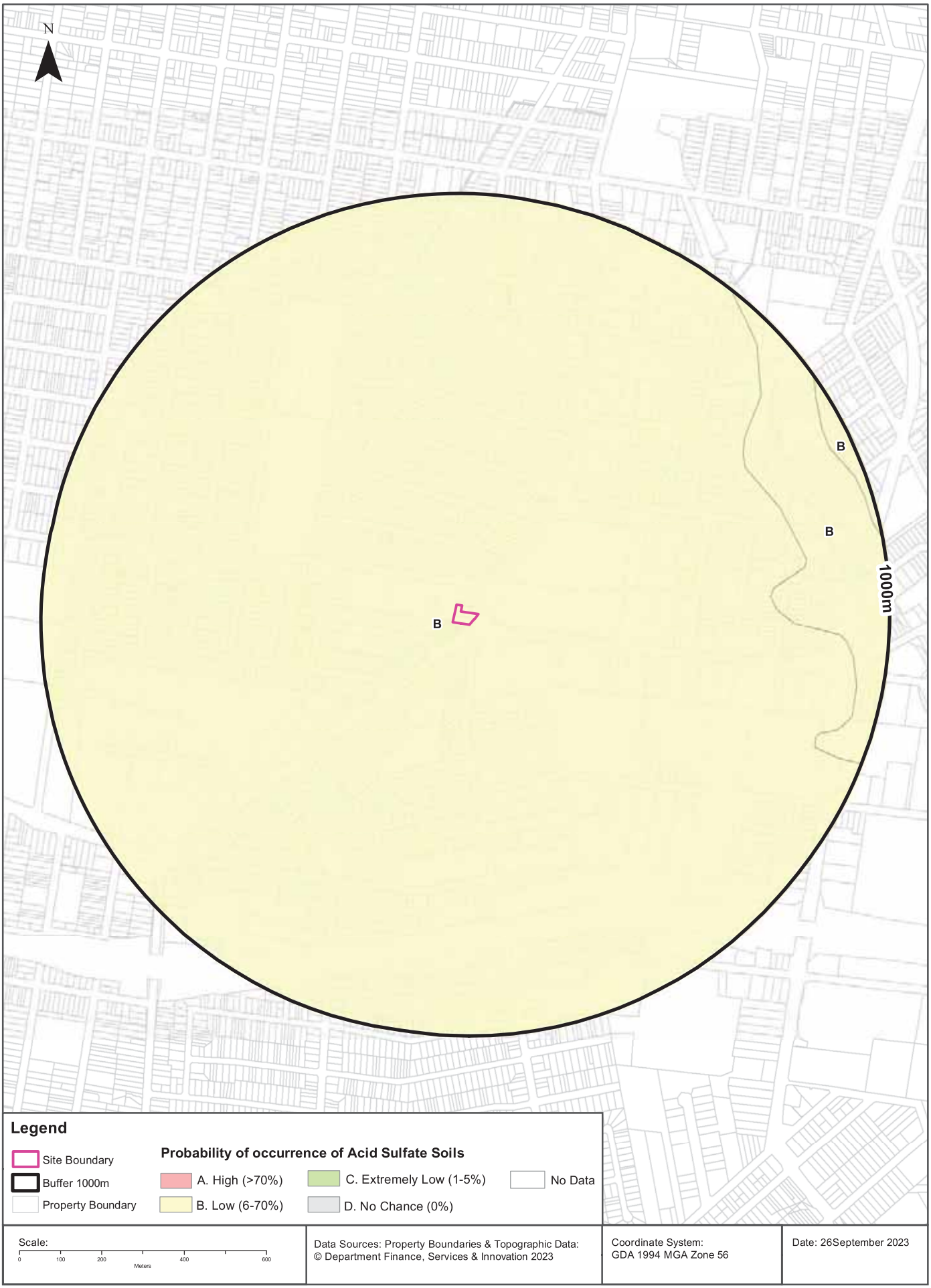
Soil Class	Description	EPI Name
N/A		

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

Soil Class	Description	EPI Name	Distance	Direction
N/A				

Atlas of Australian Acid Sulfate Soils

6 Chapel Street, Bankstown, NSW 2200



Acid Sulfate Soils

6 Chapel Street, Bankstown, NSW 2200

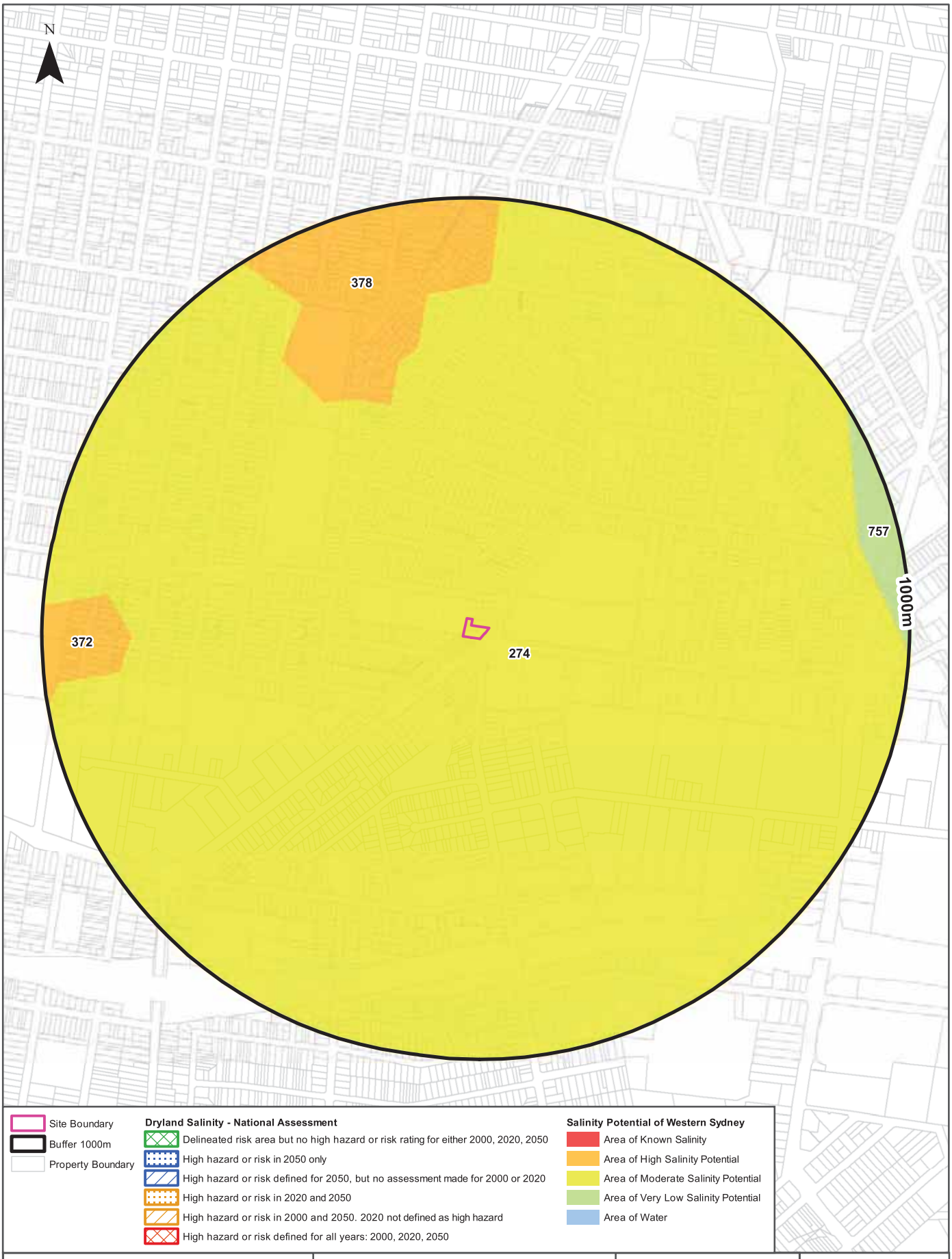
Atlas of Australian Acid Sulfate Soils

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

Class	Description	Distance	Direction
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site

Dryland Salinity

6 Chapel Street, Bankstown, NSW 2200



Dryland Salinity

6 Chapel Street, Bankstown, NSW 2200

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

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

No

What Dryland Salinity assessments are given?

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

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

Feature Id	Classification	Description	Distance	Direction
274	MODERATE	Area of Moderate Salinity Potential	0m	On-site
378	HIGH	Area of High Salinity Potential	538m	North
372	HIGH	Area of High Salinity Potential	786m	West
757	LOW	Area of Very Low Salinity Potential	899m	East

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

Mining

6 Chapel Street, Bankstown, NSW 2200

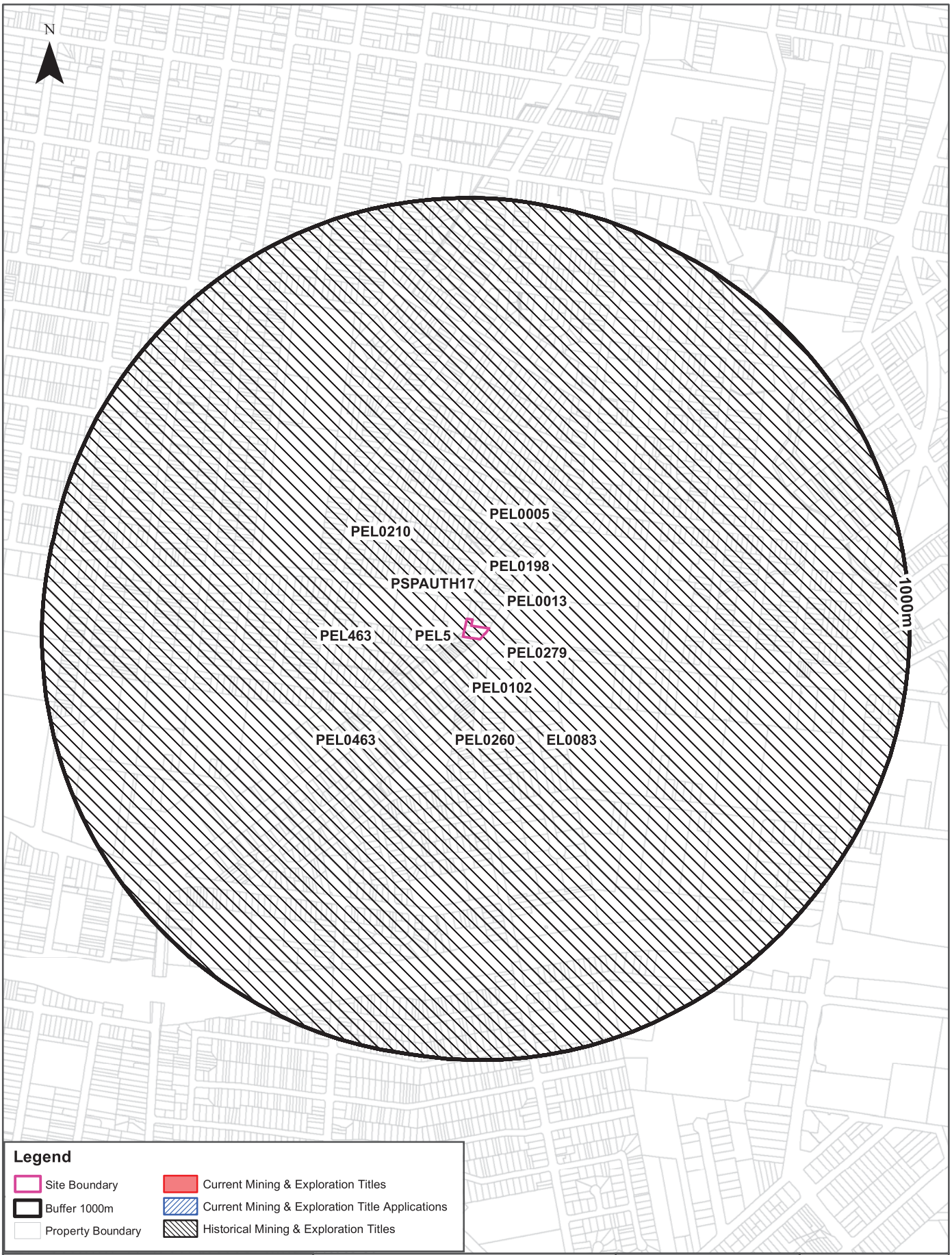
Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

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

Mining & Exploration Titles

6 Chapel Street, Bankstown, NSW 2200



Mining

6 Chapel Street, Bankstown, NSW 2200

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer								

Current Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: © State of New South Wales through NSW Department of Industry

Mining

6 Chapel Street, Bankstown, NSW 2200

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL0013	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
PEL0210	THE AUSTRALIAN GAS LIGHT COMPANY (AGL), NORTH BULLI COLLIERIES PTY LTD			PETROLEUM	Petroleum	0m	On-site
PEL0005	AGL UPSTREAM INVESTMENTS PTY LIMITED	19931111	20150403	PETROLEUM	Petroleum	0m	On-site
PEL0279	THE ELECTRICITY COMMISSION OF NSW (TRADING AS PACIFIC POWER)	19910504	19931111	PETROLEUM	Petroleum	0m	On-site
PEL0102	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
EL0083	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	19670201	19680201	MINERALS		0m	On-site
PEL463	DART ENERGY (APOLLO) PTY LTD	20081022	20130227	MINERALS		0m	On-site
PEL5	AGL UPSTREAM INVESTMENTS PTY LIMITED	19931111	20011210	MINERALS		0m	On-site
PEL0198	JOHN STREVENS (TERRIGAL) NL			PETROLEUM	Petroleum	0m	On-site
PSPAUTH17	MACQUARIE ENERGY PTY LTD	20070803	20080703	PETROLEUM	Petroleum	0m	On-site
PEL0260	NORTH BULLI COLLIERIES PTY LTD, AGL PETROLEUM OPERATIONS PTY LTD, THE AUSTRALIAN GAS LIGHT CO.	19810909	19930803	PETROLEUM	Petroleum	0m	On-site
PEL0463	DART ENERGY (APOLLO) PTY LTD	20091010	20150603	PETROLEUM	Petroleum	0m	On-site

State Environmental Planning Policy

6 Chapel Street, Bankstown, NSW 2200

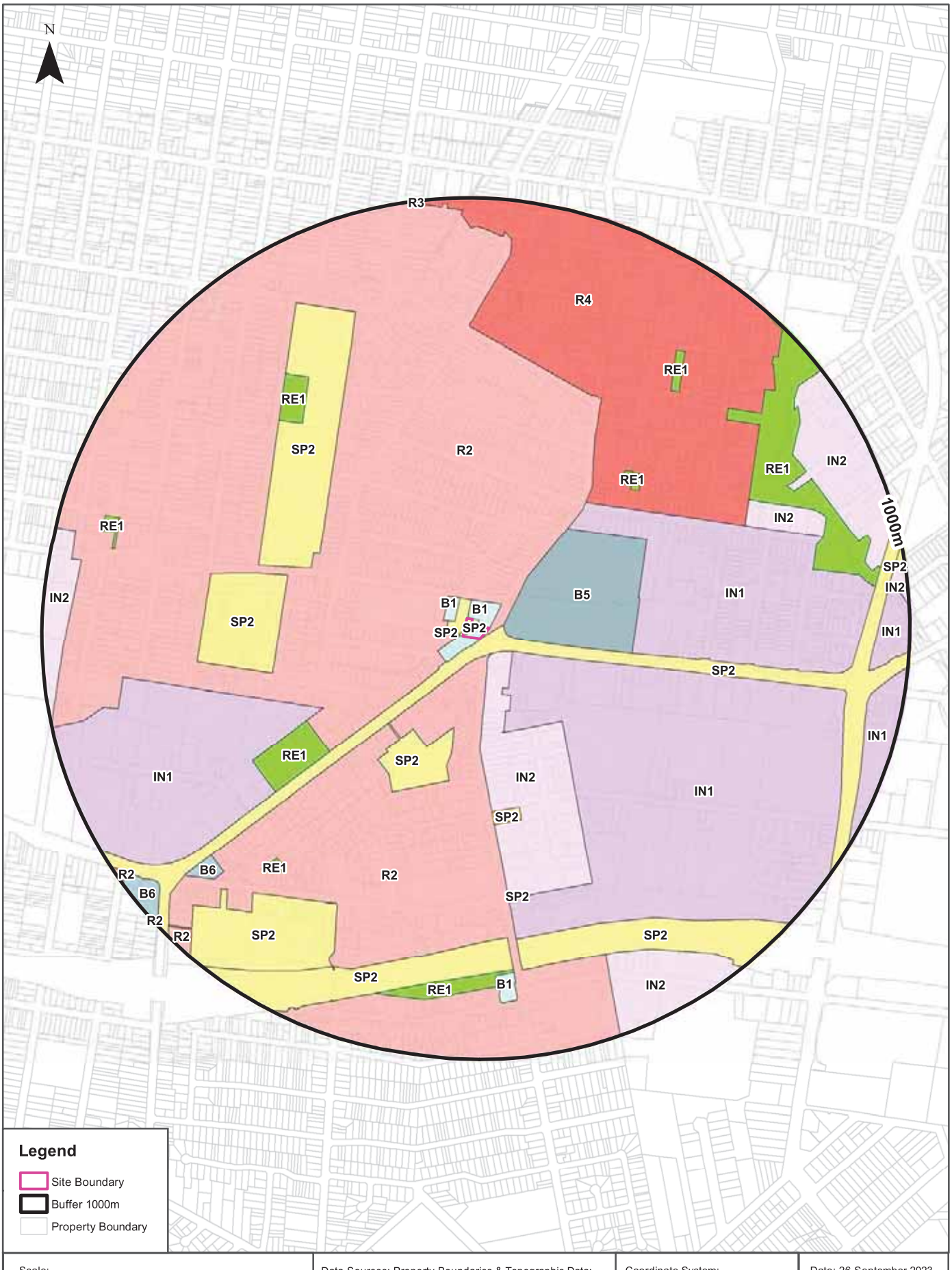
State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

EPI Planning Zones

6 Chapel Street, Bankstown, NSW 2200



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2023
Planning: NSW Crown Copyright - Planning & Environment

Coordinate System:
GDA 1994 MGA Zone 56

Date: 26 September 2023

Environmental Planning Instrument

6 Chapel Street, Bankstown, NSW 2200

Land Zoning

What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B1	Neighbourhood Centre		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		0m	On-site
SP2	Infrastructure	Road Infrastructure Facility	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		0m	On-site
SP2	Infrastructure	Road Infrastructure Facility	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		0m	South
R2	Low Density Residential		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		0m	North West
SP2	Infrastructure	Health Services Facility	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		0m	North West
B1	Neighbourhood Centre		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		27m	North West
B5	Business Development		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		34m	East
R2	Low Density Residential		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		43m	South
IN2	Light Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		45m	South
IN1	General Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		78m	South East
SP2	Infrastructure	Educational Establishment	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		217m	South West
IN1	General Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		300m	East
IN1	General Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		375m	South West
R4	High Density Residential		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		377m	North East
SP2	Infrastructure	Educational Establishment	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		382m	North West
SP2	Infrastructure	Electricity Transmission or Distribution Network	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		410m	South
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		418m	South West
SP2	Infrastructure	Health Services Facility	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		434m	West
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		467m	North East
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		608m	North West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Electricity Transmission or Distribution Network	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		614m	South
IN2	Light Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		653m	East
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		686m	North East
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		690m	South West
SP2	Infrastructure	Educational Establishment	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		703m	South West
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		709m	North East
IN2	Light Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		782m	North East
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		792m	South
B6	Enterprise Corridor		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		793m	South West
B1	Neighbourhood Centre		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		798m	South
IN2	Light Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		806m	South East
RE1	Public Recreation		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		853m	West
IN1	General Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		905m	East
IN1	General Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		913m	East
IN2	Light Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		924m	West
B6	Enterprise Corridor		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		932m	South West
R2	Low Density Residential		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		949m	South West
IN2	Light Industrial		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		953m	East
SP2	Infrastructure	Educational Establishment	Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		969m	East
R2	Low Density Residential		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		976m	South West
R3	Medium Density Residential		Canterbury-Bankstown Local Environmental Plan 2023	23/06/2023	23/06/2023	28/07/2023		990m	North

Heritage

6 Chapel Street, Bankstown, NSW 2200

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
Creative Commons 3.0 © Commonwealth of Australia https://creativecommons.org/licenses/by/3.0/au/deed.en

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
Creative Commons 3.0 © Commonwealth of Australia https://creativecommons.org/licenses/by/3.0/au/deed.en

State Heritage Register - Curtilages

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

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

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
Creative Commons 4.0 © Commonwealth of Australia https://creativecommons.org/licenses/by/4.0/

Environmental Planning Instrument - Heritage

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

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
N/A	No records in buffer								

Heritage Data Source: NSW Crown Copyright - Planning & Environment
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Natural Hazards

6 Chapel Street, Bankstown, NSW 2200

Bush Fire Prone Land

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

Bush Fire Prone Land Category	Distance	Direction
No records in buffer		

Ecological Constraints - Vegetation & Ramsar Wetlands

6 Chapel Street, Bankstown, NSW 2200

Site Boundary
ReportBuffer
Property Boundary
Ramsar Wetland

Native Vegetation

Alpine Complex
Arid Shrublands (Acacia sub-formation)
Arid Shrublands (Chenopod sub-formation)
Dry Sclerophyll Forests (Shrub/grass sub-formation)
Dry Sclerophyll Forests (Shrubby sub-formation)
Forested Wetlands
Freshwater Wetlands
Grasslands
Grassy Woodlands
Heathlands
Rainforests
Saline Wetlands
Semi-arid Woodlands (Grassy sub-formation)
Semi-arid Woodlands (Shrubby sub-formation)
Wet Sclerophyll Forests (Grassy sub-formation)
Wet Sclerophyll Forests (Shrubby sub-formation)
Non vegetated
Unattributed
Not classified
Other

Scale: 0 100 200 400 600 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2023

Coordinate System: GDA 1994 MGA Zone 56

Date: 26 September 2023

Ecological Constraints

6 Chapel Street, Bankstown, NSW 2200

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
3396556	Not classified	(Not classified) Not classified	Not classified	0m	On-site
3037911	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Castlereagh Ironbark Forest	Cumberland Dry Sclerophyll Forests	408m	South West

Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

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

Ecological Constraints

6 Chapel Street, Bankstown, NSW 2200

Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
N/A	No records in buffer					

Ecological Constraints

6 Chapel Street, Bankstown, NSW 2200

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
N/A	No records in buffer					

Ecological Constraints

6 Chapel Street, Bankstown, NSW 2200

NSW BioNet Atlas

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

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Amphibia	Pseudophryne australis	Red-crowned Toadlet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Actitis hypoleucos	Common Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Anseranas semipalmata	Magpie Goose	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered	Category 2	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Arenaria interpres	Ruddy Turnstone	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Botaurus poiciloptilus	Australasian Bittern	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris ferruginea	Curlew Sandpiper	Endangered	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris melanotos	Pectoral Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable	Category 3	Endangered	
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus lathami lathami	South-eastern Glossy Black-Cockatoo	Vulnerable	Category 2	Vulnerable	
Animalia	Aves	Charadrius leschenaultii	Greater Sand-plover	Vulnerable	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Circus assimilis	Spotted Harrier	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Columba vitiensis godmanae	White-throated Pigeon (Lord Howe Is. subsp.)	Extinct	Not Sensitive	Extinct	
Animalia	Aves	Cuculus optatus	Oriental Cuckoo	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Cyanoramphus novaezelandiae subflavescens	Red-crowned Parakeet (Lord Howe Is. subsp.)	Presumed Extinct	Not Sensitive	Extinct	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ephippiorhynchus asiaticus	Black-necked Stork	Endangered	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Endangered Population, Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Falco hypoleucos	Grey Falcon	Vulnerable	Category 2	Vulnerable	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa lapponica baueri	Bar-tailed Godwit (baueri)	Not Listed	Not Sensitive	Vulnerable	
Animalia	Aves	Limosa limosa	Black-tailed Godwit	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lophochroa leadbeateri	Major Mitchell's Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Melithreptus gularis gularis	Black-chinned Honeyeater (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Neochmia ruficauda	Star Finch	Presumed Extinct	Not Sensitive	Endangered	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Numenius madagascariensis	Eastern Curlew	Not Listed	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius phaeopus	Whimbrel	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Pachycephala olivacea	Olive Whistler	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Petroica phoenicea	Flame Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Petroica rodinogaster	Pink Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pezoporus wallicus wallicus	Eastern Ground Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Philomachus pugnax	Ruff	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Pluvialis fulva	Pacific Golden Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Polytelis anthopeplus monarchoides	Regent Parrot (eastern subspecies)	Endangered	Category 3	Vulnerable	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Polytelis swainsonii	Superb Parrot	Vulnerable	Category 3	Vulnerable	
Animalia	Aves	Ptilinopus superbus	Superb Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Rostratula australis	Australian Painted Snipe	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Sterna hirundo	Common Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Thalasseus bergii	Crested Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Tringa glareola	Wood Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tringa nebularia	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto tenebricosa	Sooty Owl	Vulnerable	Category 3	Not Listed	
Animalia	Gastropoda	Meridolum corneovirens	Cumberland Plain Land Snail	Endangered	Not Sensitive	Not Listed	
Animalia	Insecta	Petalura gigantea	Giant Dragonfly	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus forsteri	New Zealand Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Isoodon obesulus obesulus	Southern Brown Bandicoot (eastern)	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petrogale penicillata	Brush-tailed Rock-wallaby	Endangered	Not Sensitive	Vulnerable	
Animalia	Mammalia	Phascogale tapoatafa	Brush-tailed Phascogale	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Pseudomys novaehollandiae	New Holland Mouse	Not Listed	Not Sensitive	Vulnerable	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Vespadelus troughtoni	Eastern Cave Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Hoplocephalus stephensii	Stephens' Banded Snake	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Reptilia	Suta flagellum	Little Whip Snake	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Tiliqua occipitalis	Western Blue-tongued Lizard	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Uvidicolus sphyrurus	Border Thick-tailed Gecko	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Varanus rosenbergi	Rosenberg's Goanna	Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe austropratensis		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia prominens	Gosford Wattle	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Acacia pubescens	Downy Wattle	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia terminalis subsp. Eastern Sydney	Sunshine wattle	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Allocasuarina diminuta subsp. mimica		Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Allocasuarina glareicola		Endangered	Not Sensitive	Endangered	
Plantae	Flora	Caesia parviflora var. minor	Small Pale Grass-lily	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Caladenia tessellata	Thick Lip Spider Orchid	Endangered	Category 2	Vulnerable	
Plantae	Flora	Callistemon linearifolius	Netted Bottle Brush	Vulnerable	Category 3	Not Listed	
Plantae	Flora	Cymbidium canaliculatum	Tiger Orchid	Not Listed	Category 2	Not Listed	
Plantae	Flora	Deyeuxia appressa		Endangered	Not Sensitive	Endangered	
Plantae	Flora	Diuris aequalis	Buttercup Doubletail	Endangered	Category 2	Vulnerable	
Plantae	Flora	Endiandra hayesii	Rusty Rose Walnut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Epacris purpurascens var. purpurascens		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus alligatrix subsp. alligatrix		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus camfieldii	Camfield's Stringybark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Grammitis stenophylla	Narrow-leaf Finger Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	Grevillea beadleana	Beadle's Grevillea	Endangered	Category 3	Endangered	
Plantae	Flora	Grevillea parviflora subsp. parviflora	Small-flower Grevillea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Hibbertia fumana		Critically Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Hibbertia puberula		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Hibbertia sp. Bankstown		Critically Endangered	Not Sensitive	Critically Endangered	
Plantae	Flora	Hibbertia stricta subsp. furcatula		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Isotoma fluviatilis subsp. fluviatilis		Not Listed	Category 3	Extinct	
Plantae	Flora	Leucopogon exolasius	Woronora Beard-heath	Vulnerable	Not Sensitive	Vulnerable	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Macadamia integrifolia	Macadamia Nut	Not Listed	Not Sensitive	Vulnerable	
Plantae	Flora	Macadamia tetraphylla	Rough-shelled Bush Nut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Marsdenia viridiflora subsp. viridiflora	Native Pear	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Maundia triglochinoides		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Melaleuca deanei	Deane's Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Persoonia hirsuta	Hairy Geebung	Endangered	Category 3	Endangered	
Plantae	Flora	Persoonia nutans	Nodding Geebung	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Pimelea spicata	Spiked Rice-flower	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Pomaderris brunnea	Brown Pomaderris	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Pomaderris prunifolia	Plum-leaf Pomaderris	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Prostanthera saxicola		Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Pterostylis gibbosa	Illawarra Greenhood	Endangered	Category 2	Endangered	
Plantae	Flora	Pterostylis saxicola	Sydney Plains Greenhood	Endangered	Category 2	Endangered	
Plantae	Flora	Pultenaea aristata	Prickly Bush-pea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Pultenaea parviflora		Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Pultenaea pedunculata	Matted Bush-pea	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Critically Endangered	Not Sensitive	Critically Endangered	
Plantae	Flora	Syzygium moorei	Durobby	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Tetratheca glandulosa		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Tetratheca juncea	Black-eyed Susan	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Thesium australe	Austral Toadflax	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Tylophora woollsii	Cryptic Forest Twiner	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Wahlenbergia multicaulis	Tadgell's Bluebell	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Wilsonia backhousei	Narrow-leafed Wilsonia	Vulnerable	Not Sensitive	Not Listed	

Data does not include NSW category 1 sensitive species.

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
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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Appendix E
Historical Land Titles

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

Summary of Owners Report

Re: - 6 Chapel Street, Bankstown, NSW 2200

Description: - Lot 1 D.P. 655843, Lot 2 D.P. 655844 & Lot 8B D.P. 389749

As regards Lot 1 D.P. 655843

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
09.05.1912 (1912 to 1924)	Caroline Gertrude Hunt (Spinster) Amy Alice Hunt (Spinster) Lucy Ruth Violet Atkinson (Widow)	Volume 2251 Folios 113 to 115
06.01.1924 (1924 to 1935)	Emily Elizabeth Davies	Volume 2251 Folios 113 to 115
23.08.1935 (1935 to 1945)	William Arthur Selben (Bank Official) (Transmission Application not investigated)	Volume 2422 Folio 187 Now Volume 5484 Folio 231
11.10.1945 (1945 to 1952)	Cecil John Loveless (Second Hand Dealer) Constance Loveless (Married Woman)	Volume 5484 Folio 231
14.10.1952 (1952 to 1965)	Harold Vernon (Storekeeper) Mary Ann Vernon (Married Woman)	Volume 5484 Folio 231 Now Volume 7848 Folio 242
05.11.1965 (1965 to 2007)	Guiseppe Caristo (Bootmaker) Now Giuseppe Caristo	Volume 7848 Folio 242 Then Volume 15441 Folio 72 Now 1/655843
04.10.2007 (2007 to 2016)	Chris Kafataris Theodora Kafataris	1/655843
30.04.2016 (2016 to date)	# Loue and Mansour Pty Ltd # Tony Hanna & Sons Pty Ltd	7848-242

 # Denotes current registered proprietors

Easements: - NIL

Leases, excluding premises: -

- Various leases were found from 28th January 1927 that have since expired or have been surrendered, not investigated.
- 28.01.2010 (AF 275841) to Best Yet Dry Cleaners Pty Ltd, of Shop 4A/4-6 Chapel Road, expires 31.12.2012, also 3 year option.

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

As regards Lot 2 D.P. 655844

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
09.05.1912 (1912 to 1941)	Caroline Gertrude Hunt (Spinster) Amy Alice Hunt (Spinster) Lucy Ruth Violet Atkinson (Widow)	Volume 2251 Folios 113 to 115
31.01.1941 (1941 to 1944)	Amy Alice Hunt (Spinster)	Volume 2251 Folios 113 to 115 Now Volume 5292 Folio 57
30.06.1944 (1944 to 1946)	Jemima Douglas Jessup (Married Woman)	Volume 5292 Folio 57 Now Volume 5443 Folio 39
10.07.1946 (1946 to 1947)	Gordon Graham Douglas (Electrical Engineer)	Volume 5443 Folio 39
14.04.1947 (1947 to 1952)	William David Findlay (Storeman)	Volume 5443 Folio 39
20.10.1952 (1952 to 1954)	Petro Mercha (Labourer) Elfriede Mercha (Married Woman)	Volume 5443 Folio 39
30.04.1954 (1954 to 1965)	Harold Vernon (Storekeeper) Mary Ann Vernon (Married Woman)	Volume 5443 Folio 39
05.11.1965 (1965 to 2007)	Guiseppe Caristo (Bootmaker) Now Giuseppe Caristo	Volume 5443 Folio 39 Then Volume 13347 Folio 156 Now 2/655844
04.10.2007 (2007 to 2016)	Chris Kafataris Theodora Kafataris	2/655844
30.04.2016 (2016 to date)	# Loue and Mansour Pty Ltd # Tony Hanna & Sons Pty Ltd	2/655844

 # Denotes current registered proprietors

Easements: - NIL

Leases, excluding premises: -

- Various leases were found from 23rd May 1995 that have since expired or have been surrendered, not investigated.
- 28.01.2010 (AF 275841) to Best Yet Dry Cleaners Pty Ltd, of Shop 4A/4-6 Chapel Road, expires 31.12.2012, also 3 year option.

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

As regards Lot 8B D.P. 389749

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
09.05.1912 (1912 to 1941)	Caroline Gertrude Hunt (Spinster) Amy Alice Hunt (Spinster) Lucy Ruth Violet Atkinson (Widow)	Volume 2251 Folios 113 to 115
13.08.1941 (1941 to 1951)	Percy Joseph Eli Round (Plasterer)	Volume 2251 Folios 113 to 115 Now Volume 5265 Folio 137
30.04.1951 (1951 to 1954)	John Round (Plasterer)	Volume 5265 Folio 137
20.12.1954 (1954 to 1965)	Harold Vernon (Storekeeper) Mary Ann Vernon (Married Woman)	Volume 5265 Folio 137 Now Volume 6942 Folio 114
05.11.1965 (1965 to 2007)	Guiseppe Caristo (Bootmaker) Now Giuseppe Caristo	Volume 6942 Folio 114 Now 8B/655844
04.10.2007 (2007 to 2016)	Chris Kafataris Theodora Kafataris	8B/655844
30.04.2016 (2016 to date)	# Loue and Mansour Pty Ltd # Tony Hanna & Sons Pty Ltd	8B/655844

 # Denotes current registered proprietors

Leases, excluding premises: -

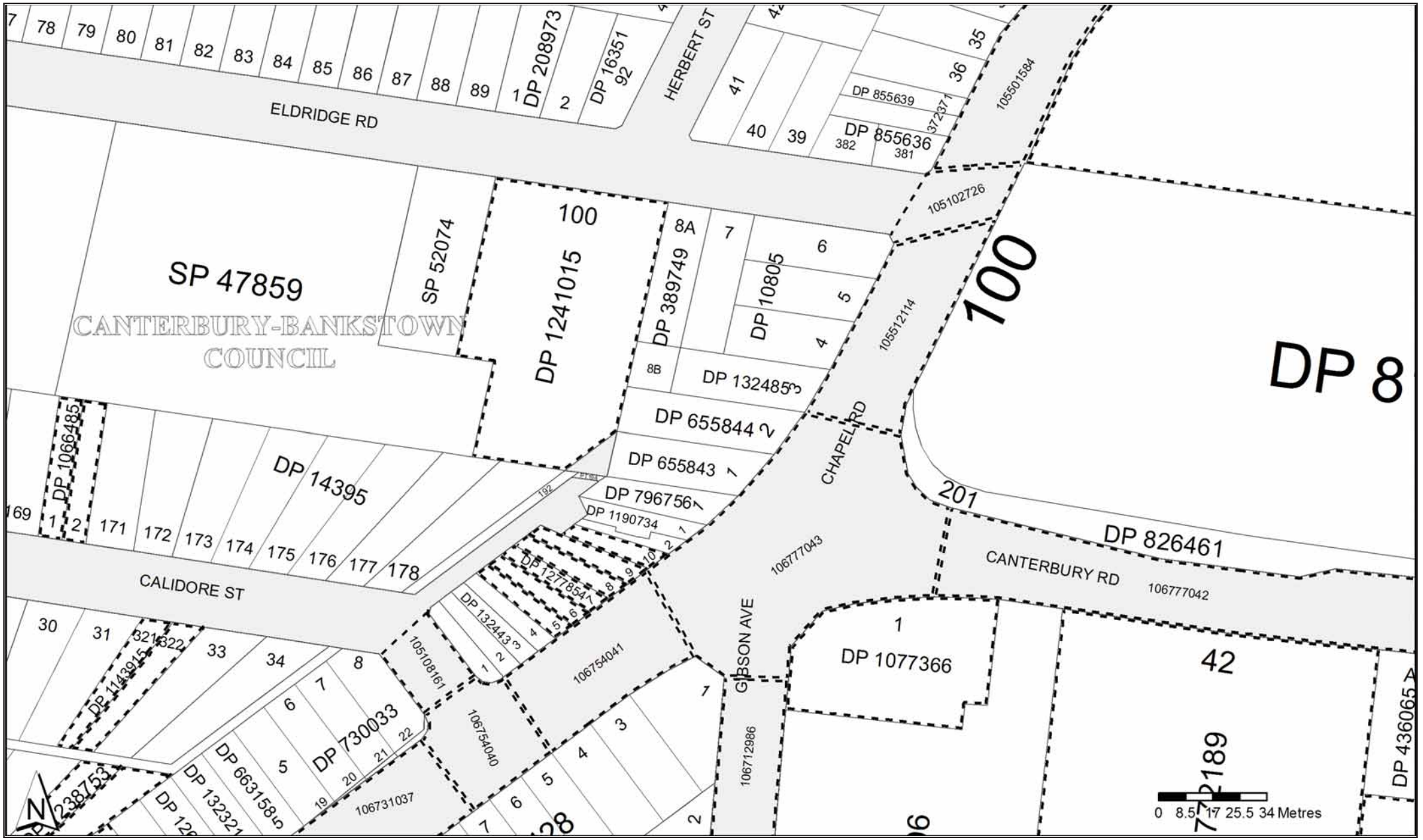
- Various leases were found from 28th January 2010 that have since expired or have been surrendered, not investigated.
- 28.01.2010 (AF 275841) to Best Yet Dry Cleaners Pty Ltd, of Shop 4A/4-6 Chapel Road, expires 31.12.2012, also 3 year option.

Yours Sincerely
Mark Groll
28 September 2023

Cadastral Records Enquiry Report : Lot 2 DP 655844

Ref : LS048470_EP - 6 Chapel Street

Locality : BANKSTOWN
Parish : BANKSTOWN
LGA : CANTERBURY-BANKSTOWN
County : CUMBERLAND



This information is provided as a searching aid only.Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps

CERTIFICATE OF TITLE

NEW SOUTH WALES

REAL PROPERTY ACT, 1900

TORRENS TITLE
Register

First Title : Old System

Prior Title : Vol. 7848 Fol. 242

Vol. 15441 Fol. 72

CANCELLED

ISSUED 21 4 1986

SEE AUTO FOLIO

I certify that the person named in the First Schedule is the registered proprietor of an estate in fee simple (or such other estate or interest as is set out below) in the land described subject to the recordings appearing in the Second Schedule and to the provisions of the Real Property Act, 1900.

Registrar General.

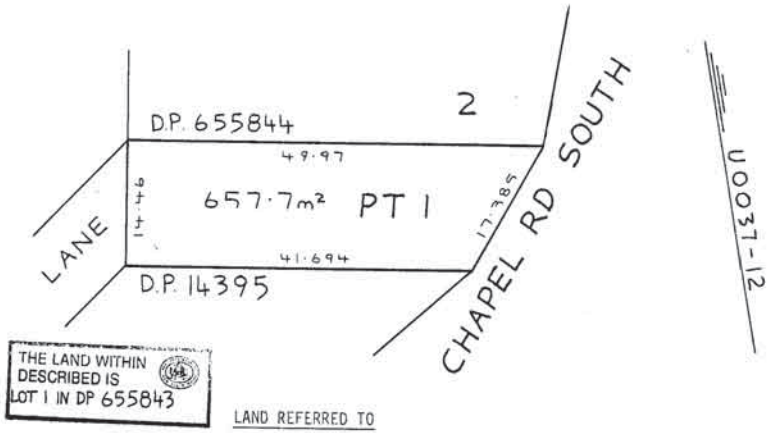
PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

(Page 1) Vol. 15441 Fol. 72

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



LAND REFERRED TO

The part of Lot 1 in DP10805 shown in the plan hereon in the City of Bankstown Parish of Bankstown and County of Cumberland.

FIRST SCHEDULE

GIUSEPPE CARISTO. (W213690).

SECOND SCHEDULE

1. Reservations and conditions in the Crown Grant.
2. ~~T818295 Lease to George Ferizis and Helen Ferizis as joint tenants of premises known as 4A Chapel Road, Bankstown, together with and reserving rights. Expires 12-6-1986. Option of Renewal 3 years.~~ W398821
3. T846361 Lease to Bernardette Clark and Merle Frances Langshaw as tenants in common of 1st Floor premises known as No. 6 Chapel Road, Bankstown, together with and reserving rights. Expires 28-9-1986. Option of Renewal 2 years. W958376.
4. ~~W104741 Lease to Andrew Anthony Hogan and Tara Catherine Hogan as joint tenants of premises known as 4 Chapel Road, Bankstown, together with and reserving rights. Expires 23-2-1988. Option of Renewal 2 years.~~ Y16563
5. ~~W213689 Lease to H and R Block Inc. of premises known as 6B Chapel Road, Bankstown, together with and reserving rights. Expires 12-11-1987. Option of Renewal 2 years.~~ I 267343
6. ~~T818295 Lease W213691. Transfer of Lease to David Corbet Plenty and Eric Raymond Sinfield as tenants in common in equal shares.~~ cancelled W398821

DP 655843

Prepared : 17-3-1995

This plan has been created to provide a unique identifier to enable the issue of an Automated Torrens Title for the land comprised in folio of the Register

Volume 15441 Folio 72

N 0 0 1 D 1 B

Metric Conversion Chart

Feet	Inches	Metres
	1/4	0.0064
	1/2	0.0127
	3/4	0.0190
	1	0.0254
	2	0.0508
	3	0.0762
	4	0.1016
	5	0.1270
	6	0.1524
	7	0.1778
	8	0.2032
	9	0.2286
	10	0.2540
	11	0.2794
1	0	0.3048
50	0	15.24
100	0	30.48

Links	Metres
1/10	0.0201
1	0.2012
100	20.115

Areas
1 Perch (P) 25.29 m2
1 Rood (R) 1012 m2
1 Acre (A) 4047 m2
1 Hectare (Ha) = 10,000 m2

CANCELLED

CERTIFICATE OF TITLE

NEW SOUTH WALES

REAL PROPERTY ACT, 1900

TORRENS TITLE
Register

SEE AUTO FOLIO

Vol. 13347 Fol. 156

First Title : Old System

Prior Title : Vol. 5443 Fol. 39

EDITION ISSUED 21 4 1986

I certify that the person named in the First Schedule is the registered proprietor of an estate in fee simple (or such other estate or interest as is set out below) in the land described subject to the recordings appearing in the Second Schedule and to the provisions of the Real Property Act, 1900.

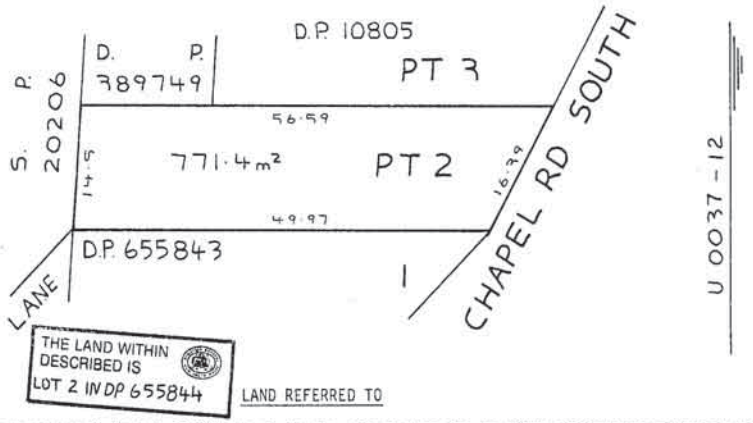
Registrar General.

PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

13347 Fol. 156 (Page 1) Vol.

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



LAND REFERRED TO

The part of Lot 2 in D.P. 10805 shown in the plan hereon in the City of Bankstown Parish of Bankstown and County of Cumberland.

FIRST SCHEDULE

GIUSEPPE CARISTO. (W213690)

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3. ~~T846361 Lease to Bernardette Clark and Merle Frances Langshaw as tenants in common, being 1st Floor of premises known as No. 6 Chapel Road, Bankstown, together with and reserving rights. Expires 28-9-1986. Option of Renewal 2 years. W958376.~~
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5. ~~W213689 Lease to H and R Block Inc of shop premises known as 6B Chapel Road, Bankstown, together with and reserving rights. Expires 12-11-1987. Option of Renewal 2 years.~~ I 269343

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

DP 655844

Prepared : 20-3-1995

This plan has been created to provide a unique identifier to enable the issue of an Automated Torrens Title for the land comprised in folio of the Register

Volume 13347 Folio 156

N 0 0 1 D I B

Metric Conversion Chart

Feet	Inches	Metres
	1/4	0.0064
	1/2	0.0127
	3/4	0.0190
	1	0.0254
	2	0.0508
	3	0.0762
	4	0.1016
	5	0.1270
	6	0.1524
	7	0.1778
	8	0.2032
	9	0.2286
	10	0.2540
	11	0.2794
1	0	0.3048
50	0	15.24
100	0	30.48

Links	Metres
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100	20.115

Areas
1 Perch (P) 25.29 m2
1 Rood (R) 1012 m2
1 Acre (A) 4047 m2
1 Hectare (Ha) = 10,000 m2

G 215975

F. P. 389749

G 215975

Plan Form N°7 (for compilations)

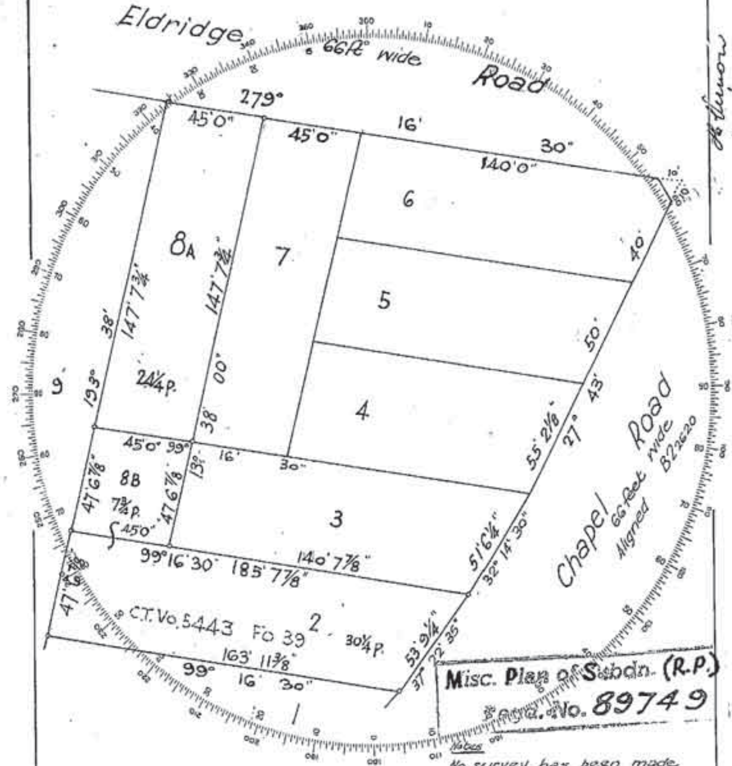
Municipality of Bankstown

—PLAN—

of subdivision of lot 8 in Deposited Plan 10805

Parish of Bankstown County of Cumberland

Scale 40 feet to an Inch.



Misc. Plan of Subdn. (R.P.)
Reg. No. 89749

Notes
No survey has been made.
There are no improvements on or adjacent to the subdivisional line

Note: Lot 8B is to be added to and consolidated with lot 2 adjoining

This Plan (which is also the Plan covered by my Certificate No. 4363, and dated 31/8/1954) was approved by The Council of the Municipality of Bankstown on the 27/8/1954.
Town Clerk
MUNICIPALITY OF BANKSTOWN

I certify that this plan has been compiled from the information in D.P. 10805 & 7352(L) and is correct.

Surveyor registered under Surveyors Act, 1929.
5th July, 1954

This is the plan marked "A" referred to in Memorandum of Transfer
Dated 2nd December 1954.

Signatures of parties to be made in this margin.

CONVERSION TABLE ADDED IN DEPARTMENT OF LANDS

DP 389749

FEET	INCHES	METRES
10	-	3.048
40	-	12.192
45	-	13.716
47	6 7/8	14.500
50	-	15.240
51	6 1/4	15.704
53	9 1/4	16.389
55	2 1/8	16.818
55	2 1/4	16.821
66	-	20.117
140	-	42.672
140	7 7/8	42.872
147	7 3/4	45.002
163	11 3/8	49.971
185	7 7/8	56.588
1855	7 7/8	565.604

AC	RD	P	SQ M
-	-	7 3/4	196
-	-	24 1/4	613.4
-	-	30 1/4	765.1

I, Bruce Richard Davies, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 3rd day of April, 1979

1

CERTIFICATE OF TITLE

15441072

NEW SOUTH WALES

REAL PROPERTY ACT, 1900

Vol. 15441 Fol. 72

First Title : Old System

Prior Title : Vol. 7848 Fol. 242

CANCELLED

EDITION ISSUED 21 4 1986

SEE AUTO FOLIO

I certify that the person named in the First Schedule is the registered proprietor of an estate in fee simple (or such other estate or interest as is set out below) in the land described subject to the recordings appearing in the Second Schedule and to the provisions of the Real Property Act, 1900.

Registrar General.

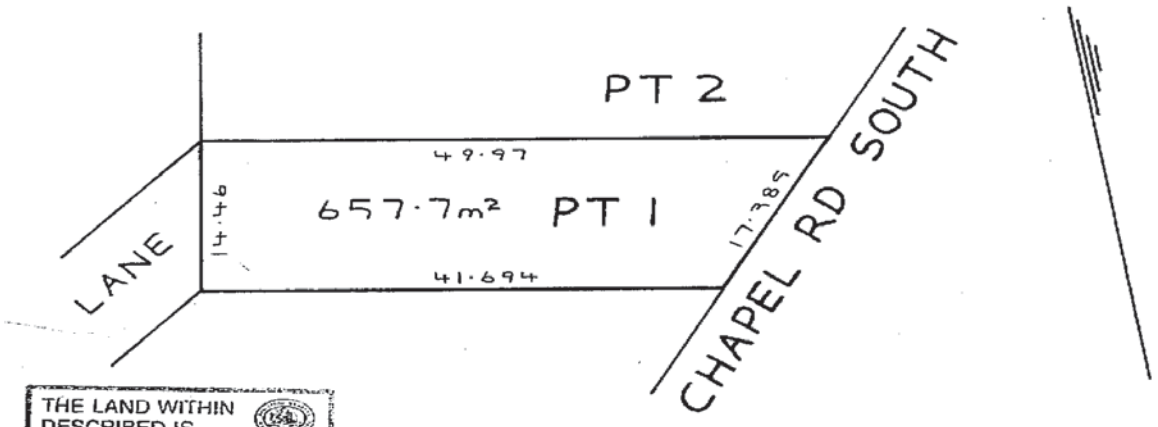
Vol. 15441 Fol. 72 (Page 1) Vol.

PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



THE LAND WITHIN DESCRIBED IS LOT 1 IN DP 655843

LAND REFERRED TO

The part of Lot 1 in DP10805 shown in the plan hereon in the City of Bankstown Parish of Bankstown and County of Cumberland.

FIRST SCHEDULE

GIUSEPPE CARISTO. (W213690).

SECOND SCHEDULE

1. Reservations and conditions in the Crown Grant.
2. ~~T818295 Lease to George Ferizis and Helen Ferizis as joint tenants of premises known as 4A Chapel Road, Bankstown, together with and reserving rights. Expires 12-6-1986. Option of Renewal 3 years.~~ W398821
3. ~~T846361 Lease to Bernardette Clark and Merle Frances Langshaw as tenants in common of 1st Floor premises known as No. 6 Chapel Road, Bankstown, together with and reserving rights. Expires 28-9-1986. Option of Renewal 2 years. W958376.~~
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5. ~~W213689 Lease to H and R Block Inc. of premises known as 6B Chapel Road, Bankstown, together with and reserving rights. Expires 12-4-1987. Option of Renewal 2 years.~~ I 369343
6. ~~T818295 Lease W213691. Transfer of Lease to David Corbet Plenty and Eric Raymond Sinfield as tenants in common in equal shares.~~ cancelled W398821

Vol 15441 Fol 72

40828—4036

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	Registrar General
CANCELLED SEE AUTO FOLIO	

SECOND SCHEDULE (continued)

PARTICULARS	Registrar General	CANCELLATION
W398821 Lease to David Corbet Plenty and Eric Raymond Sinfield as tenants in common in equal shares of shop premises known as 4A Chapel Road Bankstown. Expires 12-6-1989 with an option of renewal for 2 years. Registered 8-7-1986.		
~~W958376 Lease to Bernadette Clark and Merle Frances Langshaw of premises being No.6 Chapel Road, Bankstown comprising 1st Floor. Expires 28.9.1989 with Option of Renewal of 2 years. Registered 9.7.1987.~~		Z693395
~~W398821 Lease. X7411 Transfer of Lease to Eric Raymond Sinfield. Registered 10.8.1987.~~		
W398821 Lease. X7411 Transfer of Lease to Eric Raymond Sinfield. Registered 10.8.1987. Registered 10.2.1989.		
Y16563 Lease to Andrew Anthony Hogan and Tara Catherine Hogan as joint tenants of premises known as 4 Chapel road, Bankstown. Expires 23/6/1991. Option of renewal for 2 years. Registered 10.2.1989.		
Z693395 Lease to Bernadette Clark & Merle Frances Langshaw of premises being No6 Chapel Rd. Bankstown, Comprising 1st floor area, Together with & reserving rights. Expires 30.9.1993. Option of renewal 2years. Registered 13.6.1991		
I269343 Lease to H & R (Black) Inc of shop premises known as 6B Chapel Road Bankstown. Expires 31-12-1995. Option of renewal 2 years. Registered 27-4-1993. BLOCK		

NOTATIONS AND UNREGISTERED DEALINGS

W398821 L (Shop 4A) R
W958376 L (R)
X7411 T L R
Y16563 L Shop 4 R
Z693395 L R
I269343 L (R)

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
28/9/2023 6:08AM

FOLIO: 1/655843

First Title(s): OLD SYSTEM
Prior Title(s): VOL 15441 FOL 72

Recorded	Number	Type of Instrument	C.T. Issue
20/3/1995		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
23/5/1995	O251640	LEASE	EDITION 1
12/7/1999	5976050	LEASE	EDITION 2
15/6/2004	AA716951	LEASE	EDITION 3
30/1/2006	AC76365	LEASE	EDITION 4
20/4/2007	AD65256	LEASE	EDITION 5
4/10/2007	AD455688	TRANSFER	EDITION 6
28/1/2010	AF275841	LEASE	EDITION 7
4/5/2013	AH704040	MORTGAGE	EDITION 8
13/6/2014	AI656407	LEASE	
13/6/2014	AI656413	LEASE	EDITION 9
30/4/2016	AK391869	DISCHARGE OF MORTGAGE	
30/4/2016	AK391870	TRANSFER	
30/4/2016	AK391871	MORTGAGE	EDITION 10
24/9/2018	AN733525	DEPARTMENTAL DEALING	EDITION 11 CORD ISSUED
26/2/2020	AP915670	LEASE	
26/2/2020	AP915671	LEASE	EDITION 12 CORD ISSUED
24/12/2021	AR771668	DISCHARGE OF MORTGAGE	
24/12/2021	AR771669	MORTGAGE	EDITION 13
8/6/2022	AS194971	LEASE	
8/6/2022	AS194972	LEASE	EDITION 14

*** END OF SEARCH ***

LS048470_EP - 6 Chapel Street PRINTED ON 28/9/2023

Form: 01T
Licence: 01-05-025
Licensee: Shanahans Solicitors

(3)

TRANSFER

New South Wales
Real Property Act 1900

AD455688P

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY — Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 1051545 715
Duty: $109244 Trans No: 4594279
Asst details: CIT

(A) TORRENS TITLE — If appropriate, specify the part transferred
1/655843, 2/655844 & 8B/389749

(B) LODGED BY

Delivery Box	Name, Address or DX and Telephone	CODES
644B	PITCOM Pty LTD LLPN 1234725 Reference (optional): T/S	T TW (Sheriff)

(C) TRANSFEROR — Giuseppe Caristo

(D) CONSIDERATION
(E) ESTATE
(F) SHARE TRANSFERRED

The transferor acknowledges receipt of the consideration of $2,250,000.00 and as regards the land specified above transfers to the transferee an estate in fee simple.

(G) Encumbrances (if applicable):

(H) TRANSFEREE — Chris Kafataris and Theodora Kafataris

(I) **TENANCY:** Joint Tenants

DATE 28 SEPTEMBER 2007

(J) I certify that the person(s) signing opposite, with whom I am personally acquainted or as to whose identity I am otherwise satisfied, signed this instrument in my presence.

Signature of witness:
Name of witness: JOSEPH PETER DOMINELLO
Address of witness: 1 LAKESIDE RD
EASTWOOD

Certified correct for the purposes of the Real Property Act 1900 by the transferor.

Signature of transferor: G. Caristo

Certified correct for the purposes of the Real Property Act 1900 by the person whose signature appears below.

Signature:

Signatory's name: Peter Ronis
Signatory's capacity: Solicitor for the Transferee

Waive Requisition - memo discharge & CSBI

ALL HANDWRITING MUST BE IN BLOCK CAPITALS

CT SIGHTED CANC. & RET.

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/655843

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2023	6:08 AM	14	8/6/2022

LAND

LOT 1 IN DEPOSITED PLAN 655843
LOCAL GOVERNMENT AREA CANTERBURY-BANKSTOWN
PARISH OF BANKSTOWN COUNTY OF CUMBERLAND
TITLE DIAGRAM DP655843

FIRST SCHEDULE

LOUE AND MANSOUR PTY LTD
TONY HANNA & SONS PTY LTD
AS TENANTS IN COMMON IN EQUAL SHARES (T AK391870)

SECOND SCHEDULE (6 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AF275841 LEASE TO BEST YET DRY CLEANERS PTY LTD OF SHOP 4A/4-6 CHAPEL ROAD, BANKSTOWN. EXPIRES: 31/12/2012. OPTION OF RENEWAL: 3 YEARS.
3 AP915671 LEASE TO BIG CATCH FISHING TACKLE PTY LIMITED OF SHOP 6A/4-6 CHAPEL RD, BANKSTOWN. EXPIRES: 31/7/2022.
4 AR771669 MORTGAGE TO NATIONAL AUSTRALIA BANK LIMITED
5 AS194971 LEASE TO FORZA BANKSTOWN PTY LTD BEING SHOP 6, 4 - 6 CHAPEL ROAD BANKSTOWN. EXPIRES: 14/3/2025. OPTION OF RENEWAL: 3 YEARS.
6 AS194972 LEASE TO GSL TRADING CO PTY LIMITED 4/4 - 6 CHAPEL ROAD BANKSTOWN. EXPIRES: 4/4/2027. OPTION OF RENEWAL: 5 YEARS.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

CERTIFICATE OF TITLE

NEW SOUTH WALES

REAL PROPERTY ACT, 1900

TORRENS TITLE
Register
CANCELLED
Vol. 13347 Fol. 156
See new edition

EDITION ISSUED
17 6 1977

(Page 1) Vol. 13347 Fol. 156

Appln. No. 13949

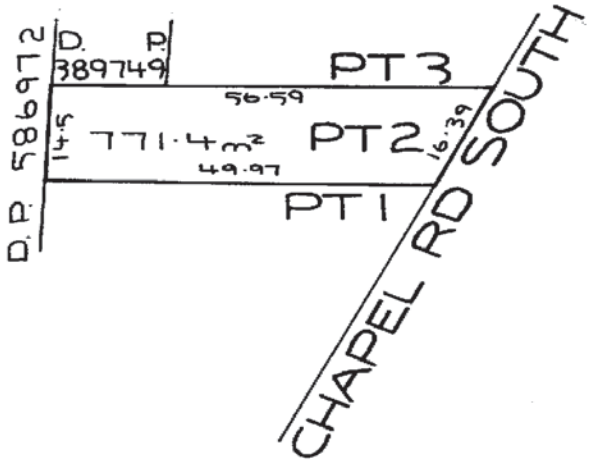
Prior Title Vol. 5443 Fol. 39

I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

Registrar General.

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



Q 147138

REDUCTION RATIO 1:800

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in the part of Lot 2 in Deposited Plan 10805 shown in the plan hereon in the Municipality of Bankstown Parish of Bankstown and County of Cumberland being part of Portion 51 granted to George Morris on 19-10-1831.

FIRST SCHEDULE

~~GUISEPPE GARIO [redacted] Chipping Norton, Bootmaker.~~

SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
~~2. Q147138 Lease to Peter Lagoutaras of Bankstown, Shopkeeper and Toula Lagoutaras his wife of premises known as 4A Chapel Road, [redacted]stown. Expires 18-5-1980. T846361~~ Expired 25.11.1983

Vol. 13347 Fol. 156

See new edition

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar General
~~Giuseppe Caristo by Request W213690. Registered 6-3-1986.~~					

CANCELLED

See new edition issued 21.4.1986
vide W213689

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
~~Lease~~	~~Q261016~~	~~——~~	~~of premises known as lock-up shop No. 6A Chapel Road, South Bankstown to Totalizator Agency Board of N.S.W. Expiry Date 31-12-1980.~~	4-7-1977		Expired	27-5-1981	
~~Lease~~	~~R253559~~	~~——~~	~~of premises known as 6B Chapel Road, Bankstown to Robert Peter Andrews of Guildford, Shopkeeper and Denise Devlyn Andrews his wife as joint tenants. Expires 15-10-1981.~~	10-7-1979		Expired	9-6-1983	
S477396	Lease to Totalizator Agency Board of N.S.W. of premises known as 6A Chapel Road, South Bankstown together with Option of Renewal. Expires 31-12-1985. Registered 27-5-1981							
~~I577065~~	~~Lease to H. & R. Block Inc. of premises being Shop 6B Chapel Road, Bankstown, together with an Option of Renewal. Expires 12-11-1984. registered 9-6-1983~~					Expired	6-3-1986	
T846361	Lease to Bernardette Clark and Merle Frances Langshaw as tenants in common, ~~of premises~~ being 1st Floor premises known as No. 6 Chapel Road, Bankstown, together with and reserving rights with option of renewal, expires 28-9-1986. Registered 28-11-1983							
~~W104741~~	~~Lease to Andrew Anthony Hogan and Tara Catherine Hogan as joint tenants of shop premises known as 4 Chapel Road, Bankstown, together with and reserving rights. Expires 23-2-1988 with an option of renewal 2 years. Registered 6-3-1986.~~							
W213689	Lease to H & R Block Inc. of shop premises known as 6B Chapel Road, Bankstown, together with and reserving rights. Expires 12-11-1987 with an option of renewal 2 years. Registered 6-3-1986.							
~~T818295~~	~~Lease W213691 Transfer of Lease to David Corbet~~		~~Plenty and Eric Raymond Sinfield as tenants in common in equal shares. Registered 6-3-1986.~~					

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

Q261016 Lse (prem)

S477396 R (6A Chapel Rd)

I577065 Lse (6B Chapel Rd)

T846361 L R

W104741 L R

W213689 Lse of Premises

~~W213691 Lse~~ ~~Lse Q261016~~ (DOES NOT AFFECT)

W213690 Lse R

10.3.86

CANCELLED

CERTIFICATE OF TITLE

NEW SOUTH WALES

REAL PROPERTY ACT, 1900

TORRENS TITLE
Register

SEE AUTO FOLIO

Vol. 13347 Fol. 156

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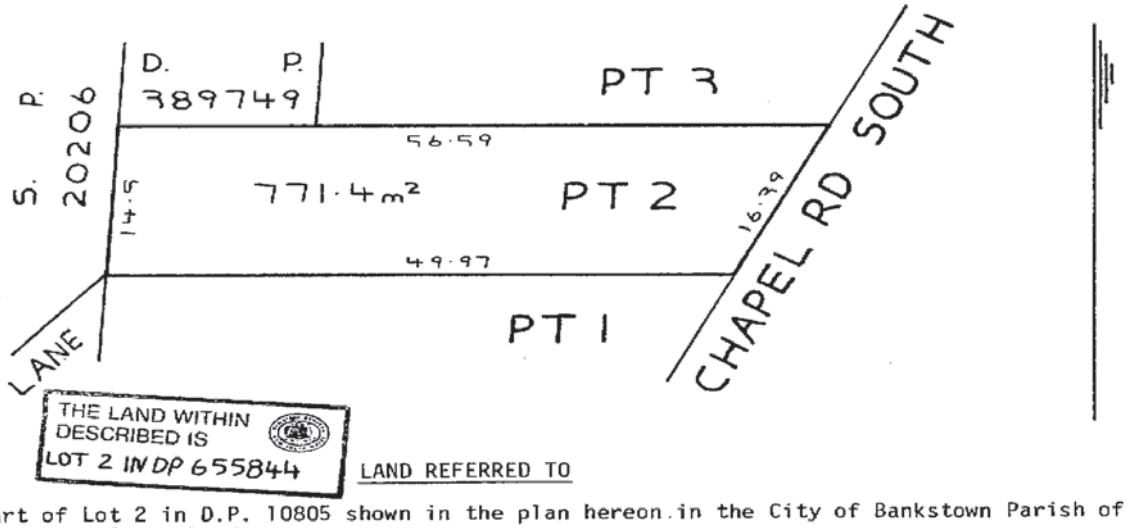
Registrar General.

13347156

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



LAND REFERRED TO

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FIRST SCHEDULE

GIUSEPPE CARISTO. (W213690)

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PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON (Page 1) Vol. 13347 Fol. 156

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

Vol 13347 Fol 156

40828—4036

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR | Registrar General

CANCELLED

SEE AUTO FOLIO

SECOND SCHEDULE (continued)

PARTICULARS	Registrar General	CANCELLATION
~~W398820 Lease to Totalizator Agency Board of lock up shop known as 6A Chapel Road Bankstown. Expires 31-12-1990 with an option of renewal for 5 years. Registered 8-7-1986~~	[seal]	Z459778
W398821 Lease to David Corbet Plenty and Eric Raymond Sinfield as tenants in common in equal shares of shop premises known as 4A Chapel Road Bankstown. Expires 12-6-1989 with an option of renewal for 2 years. Registered 8-7-1986.	[seal]	
~~W958376 Lease to Bernadette Clark and Merle Frances Langshaw of premises being No.6 Chapel Road, Bankstown comprising 1st Floor. Expires 28.9.1989 with Option of Renewal of 2 years. Registered 9.7.1987.~~	[seal]	Z693395
~~W398821 Lease. X7411 Transfer of Lease to Eric Raymond Sinfield. Registered 10.8.1987.~~	[seal]	
W398821 Lease. X7411 Transfer of Lease to Eric Raymond Sinfield. Registered 10.8.1987.		
Y16563 Lease to Andrew Anthony Hogan and Tara Catherine Hogan as joint tenants of premises known as 4 Chapel road, Bankstown. Expires 23/6/1991. Option of renewal for 2 years. Registered 10.2.1989.	[seal]	
Z459778 Lease to Totalizator Agency Board of Premises being lock-up shop 6A Chapel Road Bankstown together with and reserving rights. Option of Renewal 5 yrs. Expires 31-12-1995. Registered 7-2-1991	[seal]	
Z693395 Lease to Bernadette Clark & Merle Frances Langshaw of premises being N°6 Chapel Rd. Bankstown. Comprising 1st floor area, together with & reserving rights. Expires 30.9.1993. Option of Renewal 2 years. Registered 13-6-1991	[seal]	
I 269343 Lease to H & R Block Inc. of shop premises known as 6B Chapel Road, Bankstown. Expires 31-12-1995. Option of renewal 2 years. Registered 27-4-1993	[seal]	

NOTATIONS AND UNREGISTERED DEALINGS

W398820 L (Key 6A) — 311 L (Key 4A) R
W958376 L (R)
X7411 T L R
Y16563 L Shop 4 R
Z459778 L R
Z693395 L R
I269343 L (R)

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
28/9/2023 6:08AM

FOLIO: 2/655844

First Title(s): OLD SYSTEM
Prior Title(s): VOL 13347 FOL 156

Recorded	Number	Type of Instrument	C.T. Issue
21/3/1995		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
23/5/1995	O251640	LEASE	EDITION 1
28/6/1996	2266693	LEASE	EDITION 2
29/3/2000	6678361	LEASE	EDITION 3
29/3/2000	6679441	DEPARTMENTAL DEALING	EDITION 4
10/5/2000	6769282	LEASE	EDITION 5
13/8/2001	7847070	LEASE	EDITION 6
30/1/2006	AC76365	LEASE	EDITION 7
6/10/2006	AC602731	LEASE	EDITION 8
4/10/2007	AD455688	TRANSFER	EDITION 9
28/1/2010	AF275841	LEASE	EDITION 10
4/5/2013	AH704040	MORTGAGE	EDITION 11
13/6/2014	AI656407	LEASE	
13/6/2014	AI656413	LEASE	EDITION 12
30/4/2016	AK391869	DISCHARGE OF MORTGAGE	
30/4/2016	AK391870	TRANSFER	
30/4/2016	AK391871	MORTGAGE	EDITION 13
24/9/2018	AN733525	DEPARTMENTAL DEALING	EDITION 14 CORD ISSUED
26/2/2020	AP915670	LEASE	
26/2/2020	AP915671	LEASE	EDITION 15 CORD ISSUED
24/12/2021	AR771668	DISCHARGE OF MORTGAGE	
24/12/2021	AR771669	MORTGAGE	EDITION 16

END OF PAGE 1 - CONTINUED OVER

SEARCH DATE
28/9/2023 6:08AM

FOLIO: 2/655844 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
8/6/2022	AS194971	LEASE	
8/6/2022	AS194972	LEASE	EDITION 17

*** END OF SEARCH ***

Received: 28/09/2023 06:08:53

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 2/655844

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2023	6:08 AM	17	8/6/2022

LAND

LOT 2 IN DEPOSITED PLAN 655844
LOCAL GOVERNMENT AREA CANTERBURY-BANKSTOWN
PARISH OF BANKSTOWN COUNTY OF CUMBERLAND
TITLE DIAGRAM DP655844

FIRST SCHEDULE

LOUE AND MANSOUR PTY LTD
TONY HANNA & SONS PTY LTD
AS TENANTS IN COMMON IN EQUAL SHARES (T AK391870)

SECOND SCHEDULE (5 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AP915671 LEASE TO BIG CATCH FISHING TACKLE PTY LIMITED OF SHOP 6A/4-6 CHAPEL RD, BANKSTOWN. EXPIRES: 31/7/2022.
3 AR771669 MORTGAGE TO NATIONAL AUSTRALIA BANK LIMITED
4 AS194971 LEASE TO FORZA BANKSTOWN PTY LTD BEING SHOP 6, 4 - 6 CHAPEL ROAD BANKSTOWN. EXPIRES: 14/3/2025. OPTION OF RENEWAL: 3 YEARS.
5 AS194972 LEASE TO GSL TRADING CO PTY LIMITED 4/4 - 6 CHAPEL ROAD BANKSTOWN. EXPIRES: 4/4/2027. OPTION OF RENEWAL: 5 YEARS.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
28/9/2023 6:08AM

FOLIO: 8B/389749

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 6942 FOL 114

Recorded	Number	Type of Instrument	C.T. Issue
2/9/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
12/12/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
4/10/2007	AD455688	TRANSFER	EDITION 1
28/1/2010	AF275841	LEASE	EDITION 2
4/5/2013	AH704040	MORTGAGE	EDITION 3
13/6/2014	AI656407	LEASE	
13/6/2014	AI656413	LEASE	EDITION 4
30/4/2016	AK391869	DISCHARGE OF MORTGAGE	
30/4/2016	AK391870	TRANSFER	
30/4/2016	AK391871	MORTGAGE	EDITION 5
24/9/2018	AN733525	DEPARTMENTAL DEALING	EDITION 6 CORD ISSUED
26/2/2020	AP915670	LEASE	
26/2/2020	AP915671	LEASE	EDITION 7 CORD ISSUED
21/12/2021	AR752695	DISCHARGE OF MORTGAGE	EDITION 8
24/12/2021	AR771669	MORTGAGE	EDITION 9
8/6/2022	AS194971	LEASE	
8/6/2022	AS194972	LEASE	EDITION 10

*** END OF SEARCH ***

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 8B/389749

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2023	6:08 AM	10	8/6/2022

LAND

LOT 8B IN DEPOSITED PLAN 389749
LOCAL GOVERNMENT AREA CANTERBURY-BANKSTOWN
PARISH OF BANKSTOWN COUNTY OF CUMBERLAND
TITLE DIAGRAM DP389749

FIRST SCHEDULE

LOUE AND MANSOUR PTY LTD
TONY HANNA & SONS PTY LTD
AS TENANTS IN COMMON IN EQUAL SHARES (T AK391870)

SECOND SCHEDULE (5 NOTIFICATIONS)

---

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AP915671 LEASE TO BIG CATCH FISHING TACKLE PTY LIMITED OF SHOP 6A/4-6 CHAPEL RD, BANKSTOWN. EXPIRES: 31/7/2022.
3 AR771669 MORTGAGE TO NATIONAL AUSTRALIA BANK LIMITED
4 AS194971 LEASE TO FORZA BANKSTOWN PTY LTD BEING SHOP 6, 4 - 6 CHAPEL ROAD BANKSTOWN. EXPIRES: 14/3/2025. OPTION OF RENEWAL: 3 YEARS.
5 AS194972 LEASE TO GSL TRADING CO PTY LIMITED 4/4 - 6 CHAPEL ROAD BANKSTOWN. EXPIRES: 4/4/2027. OPTION OF RENEWAL: 5 YEARS.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

Appendix F
Council Information

City of Canterbury Bankstown,
PO BOX 8
BANKSTOWN NSW 1885
Telephone: (02) 9707 9000
Email: council@cbcity.nsw.gov.au

LS048470:116989

Lotsearch Pty Ltd
3/68 Alfred Street
MILSONS POINT NSW 2061

PLANNING CERTIFICATE

Section 10.7(2)(5) of the Environmental Planning and Assessment Act 1979

Certificate No: 20236895
10 October 2023

Land which Certificate is issued for:

Lot 2 DP 655844

6 Chapel Road, BANKSTOWN NSW 2200

Note: The information in this certificate is provided pursuant to Section 10.7(2) and (5) of the Environmental Planning and Assessment Act 1979 (the Act), and as prescribed by Schedule 2 of the Environmental Planning and Assessment Regulation 2021 (the Regulation). The information has been extracted from Council's records, as it existed at the date listed on the certificate.

Please note that the accuracy of the information contained within the certificate may change after the date of this certificate due to changes in Legislation, planning controls or the environment of the land.

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INFORMATION PROVIDED UNDER SECTION 10.7 (2) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979.

1 ENVIRONMENTAL PLANNING INSTRUMENTS AND DEVELOPMENT CONTROL PLANS

1.1 Relevant Planning Instruments
Canterbury Bankstown Local Environmental Plan 2023

1.2 Relevant Development Control Plans
Canterbury Bankstown Development Control Plan 2023

1.3 State Environmental Planning Policies
Note: The following information indicates those State Environmental Planning Policies (SEPP) which may apply to the subject land. A summary explanation of each SEPP can be sourced from the Department of Planning and Environment (DPE) website at www.planning.nsw.gov.au. The full wording of each SEPP can also be accessed via the NSW Legislation website at https://legislation.nsw.gov.au/.

State Environmental Planning Policies:
State Environmental Planning Policy (Sustainable Buildings) 2022
State Environmental Planning Policy No 65—Design Quality of Residential Apartment Development
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
State Environmental Planning Policy (Housing) 2021
State Environmental Planning Policy (Industry and Employment) 2021
- Chapter 3: Advertising and Signage

State Environmental Planning Policy (Planning Systems) 2021
- Chapter 2: State and regional development
- Chapter 3: Aboriginal Land
- Chapter 4: Concurrences and consents

State Environmental Planning Policy (Precincts - Central River City) 2021
State Environmental Planning Policy (Precincts - Eastern Harbour City) 2021
State Environmental Planning Policy (Precincts - Regional) 2021
State Environmental Planning Policy (Precincts - Western Parkland City) 2021
State Environmental Planning Policy (Primary Production) 2021
State Environmental Planning Policy (Resilience and Hazards) 2021
- Chapter 2: Coastal Management
- Chapter 3: Hazardous and offensive development
- Chapter 4: Remediation of Land

State Environmental Planning Policy (Resources and Energy) 2021
- Chapter 2: Mining, petroleum production and extractive industries
- Chapter 3: Extractive industries in Sydney area

State Environmental Planning Policy (Transport and Infrastructure) 2021
- Chapter 2: Infrastructure
- Chapter 3: Educational establishments and child care facilities
- Chapter 4: Major infrastructure corridors

State Environmental Planning Policy (Biodiversity and Conservation) 2021
- Chapter 2: Vegetation in non-rural areas
- Chapter 3: Koala habitat protection 2020
- Chapter 6: Bushland in urban areas
- Chapter 7: Canal estate development
- Chapter 10: Sydney Harbour Catchment
- Chapter 11: Georges Rivers Catchment

Encompassed within the Biodiversity and Conservation SEPP is the former Greater Metropolitan Regional Environmental Plan No. 2 - Georges River Catchment which applies to the site. The SEPP aims to protect the water quality of the Georges River and its tributaries and the environmental quality of the whole catchment. The objectives of the plan are to be achieved through coordinated land use planning and development control. The plan establishes the framework within which local, State and Federal agencies will consult so that there is a consistent approach to planning and development within the catchment

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1.4 Proposed Environmental Planning Instruments (including any Planning Proposals) that are or have been the subject of community consultation or on public exhibition under the Act
Not applicable.

2 Zoning and Land Use Under Relevant Planning Instruments
Note: The information below will assist in determining how the subject land may be developed. It is recommended that you read this section in conjunction with a full copy of any relevant environmental planning instrument as there may be additional provisions that affect how the land may be developed.

2.1 Land Use Zone

Canterbury Bankstown Local Environmental Plan 2023

Date effective from

23 June 2023

Land Use Zone

ZONE B1 NEIGHBOURHOOD CENTRE

1. Permitted without consent
Home occupations

2. Permitted with consent
Boarding houses; Building identification signs; Business identification signs; Business premises; Car parks; Centre-based child care facilities; Community facilities; Early education and care facilities; Environmental facilities; Environmental protection works; Flood mitigation works; Food and drink premises; Home businesses; Information and education facilities; Kiosks; Markets; Medical centres; Mortuaries; Neighbourhood shops; Neighbourhood supermarkets; Office premises; Oyster aquaculture; Places of public worship; Recreation areas; Recreation facilities (indoor); Respite day care centres; Roads; Service stations; Shops; Shop top housing; Specialised retail premises; Tank-based aquaculture; Veterinary hospitals

3. Prohibited
Pond-based aquaculture; Any other development not specified in item 1 or 2

Canterbury Bankstown Local Environmental Plan 2023

Date effective from

23 June 2023

Land Use Zone

ZONE SP2 INFRASTRUCTURE (ROAD INFRASTRUCTURE FACILITY)

1. Permitted without consent
Nil

2. Permitted with consent
Aquaculture; Roads; The purpose shown on the Land Zoning Map, including any development that is ordinarily incidental or ancillary to development for that purpose

3. Prohibited
Any development not specified in item 1 or 2

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2.2 Additional Permitted Uses

The land, or part of land is affected by Schedule 1 Additional Permitted Uses of the Canterbury Bankstown Local Environmental Plan 2023. For further information visit https://legislation.nsw.gov.au/ or contact Council on 02 9707 9000.

Note: Due to the subdivision and/or consolidation of land, the Lot and Deposited Plans referenced in Schedule 1 of the relevant Local Environmental Plan may change. It is your responsibility to confirm the applicability of Additional Permitted Uses before undertaking any development on the site that relies upon provisions in Schedule 1.

2.3 Minimum Land Dimensions for the Erection of a Dwelling House

For land zoned R2, R3 or R4 and on land identified as 'Area 2' on the Clause Application Map within the Canterbury Bankstown Local Environmental Plan 2023, the minimum lot size required for dwelling houses on a battle-axe lot or other lot with an access handle is 600m^2. For land without an access handle, please refer to the Minimum Lot Sizes Map of the Local Environmental Plan for minimum lot sizes for dwelling houses.

2.4 Area of Outstanding Biodiversity Value

Not applicable

2.5 Conservation Area and/or Environmental Heritage

The land is not affected by a heritage item or within a heritage conservation area under the relevant Principal Environmental Planning Instrument.

3 Contribution Plans

Canterbury Bankstown Local Infrastructure Contributions Plan 2022

This Development Contributions Plan was prepared and adopted under the Environmental Planning and Assessment Act, 1979 and Environmental Planning and Assessment Regulation 2021.

The Plan allows the Council or other consent authority to levy contributions on selected new development to pay for local public infrastructure (such as parks, roads and libraries), required to meet the needs of our growing and changing City. A copy of the development contributions plan can be viewed on Council's website.

4 Complying Development

Whether or not the land is land on which complying development may be carried out under each of the Codes for complying development because of the provisions of clauses 1.17A(1) (c) to (e), (2), (3) and (4), 1.18(1)(c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 and, if no complying development may be carried out on that land under that Policy, the reasons why complying development may not be carried out on that land.

Note that in order for complying development to be able to be carried out, it must be permissible in the relevant zone in the first place.

Housing Code (if in a residential zone)	Yes
Rural Housing Code (if in a rural residential zone)	Not applicable
Low Rise Housing Diversity Code	Yes
Housing Alterations Code	Yes
General Development Code	Yes
Greenfield Housing Code	Not applicable
Inland Code	Not applicable
Commercial and Industrial (New Building and Alterations) Code	Yes
Commercial and Industrial Alterations Code	Yes
Container Recycling Facilities Code	Yes
Demolition Code	Yes
Subdivision Code	Yes
Fire Safety Code	Yes

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**Note: The reason(s) why complying development may not be carried may only apply to part of, or all of, the property. For more information go to the NSW ePlanning Spatial Viewer and search the property address https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/address.*

4.1 Variation of Complying Development Codes

A variation to the Complying Development Code applies to certain lots in Zone R2 Low Density Residential areas which are no more than 450m^2 in area and are located in land to which the former Bankstown Local Environmental Plan 2015 applied. For further information on the variation to the Complying Development Code, please refer to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 at the NSW Legislation website at https://legislation.nsw.gov.au/

5 Exempt Development

Whether or not the land is land on which exempt development may be carried out under each of the exempt development codes under State Environmental Planning Policy (Exempt and Complying Development Codes)2008 because of the provisions of clauses 1.16(1)(b1)-(d) or 1.16A, the development (new or alterations proposed to the existing structures) must meet the following criteria:

General Exempt Development Code
Yes

Advertising and Signage Exempt Development Code
Yes

Temporary Uses and Structures Exempt Development Code
Yes

Note: Despite the above, if the exempt development meets the requirements and standards specified by the State Environmental Planning Policy (Exempt and Complying Development) 2008 and that development (a) has been granted an exemption under section 57(2) of the Heritage Act 1977, or (b) is subject to an exemption under section 57(1A) or (3) of that Act, the development is exempt development. For further information refer to the Heritage NSW website at https://www.heritage.nsw.gov.au/.

Important Disclaimer: Clause 4 and 5 of this Certificate only contain information in respect of that required by clause 4 and 5 of Schedule 2 of the Environmental Planning and Assessment Regulation 2021, in relation to Complying and Exempt Development under State Environmental Planning Policy (Exempt and Complying Development Codes) 2008. Other provisions contained in the SEPP, including but not limited to, minimum allotment size requirements, specified development standards or any other general exclusions, may preclude Exempt or Complying Development under the SEPP from being able to be carried out. You will need to refer to the SEPP for complete details. It is your responsibility to ensure that you comply with all other general requirements of the SEPP. Failure to comply with these provisions may mean that any Complying Development Certificate issued, or work carried out as Exempt Development under the provisions of the SEPP is invalid.

6 Affected Building Notices and Building Product Rectification Orders

Not applicable

7 Land Reserved for Acquisition

There is no environmental planning instrument, or proposed environmental planning instrument, applying to the land that makes provision for the acquisition of the land (or any part thereof) by a public authority, as referred to in Section 3.15 of the Environmental Planning and Assessment Act 1979.

8 Road Widening and Road Realignment

Whether or not the land is affected by a road widening or road realignment proposal under Division 2 or Part 3 of the Roads Act 1993 or an environmental planning instrument:

The land is not affected by a road widening or road realignment proposal under Division 2 or Part 3 of the Roads Act 1993, or an environmental planning instrument.

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Whether or not the land is affected by a road widening or road realignment proposal under any resolution of Council:

The land is not affected by a road widening or road realignment proposal under any resolution of Council.

9 Flooding

The land, or part of the land, **is within** the flood planning area (FPA) and consequently the probable maximum flood (PMF).

The land, or part of the land, **is subject to** flood related development controls.

Please note that a Stormwater Systems Report (SSR) will be required from Council (cost applies) to further understand constraints that may relate to development of the property. An SSR can be ordered online from Council website.

You are advised to refer to the following:

- The relevant Development Control Plan (noted in Section 1.2 of this certificate) for further information on Council's approach to Flood Risk Management, and
- Frequently Asked Questions and details on the study relevant to your catchment area are available at Council's Floodplain Management webpage (https://cb.city/flooding).

NB: The FPA is the 1% Annual Exceedance Probability (AEP) plus generally a 0.5m freeboard or as outlined in relevant Development Control Plan.

10 Council and Other Public Authority Policies on Hazard Risk Restrictions

Whether or not the land is affected by a policy adopted by Council or adopted by any other public authority (and notified to the Council for the express purpose of its adoption by that authority being referred to) that restricts the development of the land because of the likelihood of:

Land Slip
The land is not affected by a policy restriction relating to landslip

Tidal Inundation
The land is not affected by a policy restriction relating to tidal inundation

Subsidence
The land is not affected by a policy restriction relating to subsidence

Acid Sulfate Soils
The land is not affected by a policy restriction relating to acid sulfate soils.

Contamination
Council has adopted by resolution a policy concerning the management of contaminated land. The policy applies to all land in the Canterbury-Bankstown Local Government Area and will restrict development of the land if the circumstances set out in the policy prevail. A copy of the policy is available on Council's website at www.cbcity.nsw.gov.au.

Council is not aware of the land being affected by any matters as prescribed by Section 59 (2) of the *Contaminated Land Management Act 1997*.

Please refer to the *NSW Environment Protection Authority (EPA)* for more information.

Salinity
Not applicable

Coastal Hazards
Not applicable

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Sea Level Rise
Not applicable

Unhealthy Building Land
The land is not affected by a policy restriction relating to Unhealthy Building Land.

Any Other Risk (including Aircraft Noise)
Not applicable

11 Bush Fire Prone Land
Not applicable

12 Loose-Fill Asbestos Ceiling Insulation
Not applicable

13 Mine Subsidence
The subject land is not within a mine subsidence district within the meaning of Section 20 of the *Coal Mine Subsidence Compensation Act 2017*.

14 Paper Subdivision Information
Not applicable

15 Property Vegetation Plans
Not applicable

16 Biodiversity Stewardship Sites
Not applicable

17 Biodiversity Certified Land
Not applicable

18 Orders Under Trees (Disputes Between Neighbours) Act 2006
Not applicable

19 Annual Charges Under Local Government Act 1993 For Coastal Protection Services That Relate to Existing Coastal Protection Works
Not applicable

20 Western Sydney Aerotropolis
Not applicable

21 Development Consent Conditions for Seniors Housing
Not applicable

22 Site Compatibility Certificates and Development Consent Conditions For Affordable Rental Housing
Not applicable

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INFORMATION PROVIDED UNDER SECTION 10.7 (5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979.

Note: *When information pursuant to Section 10.7(5) of the Act is requested the Council is under no obligation to furnish any of the information supplied herein pursuant to that Section. Council draws your attention to Section 10.7(6), which states that a Council shall not incur any liability in respect of any advice provided in good faith pursuant to sub-section (5). The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this Certificate.*

(a) Additional Flood Planning Advice

In addition to Section 9 of this certificate, the following information may assist in interpreting the Canterbury Bankstown Development Control Plan 2023:

Flooding - Salt Pan C17 Study 2009, Policy

The land, or part of the land, is subject to flood related development controls under the principal EPI (noted in section 1.1 of this certificate) and the Development Control Plan (noted in section 1.4 of this certificate).

These flood related development controls are informed by the Salt Pan Creek Stormwater Catchment Study (June 2007) and Report Addendum (October 2009). The study can be viewed online at https://cb.city/flooding – Council's Floodplain Management webpage. The study identifies where the land, or part of the land, is affected by the 100 year flood and which, or both, of the following flood risk precincts may apply:

- High flood risk precinct – Land below the 100 year flood that is either subject to a high hydraulic hazard or where there are significant evacuation difficulties; and
- Medium flood risk precinct - Land below the 100 year flood that is not subject to a high hydraulic hazard and where there are no evacuation difficulties.

The principal EPI can be viewed online at the NSW legislation website – www.legislation.nsw.gov.au. The relevant Development Control Plan includes flood related development controls for properties based on the relevant flood risk precinct in the Flood Risk Management Chapter. This can be viewed on Council's website - www.cbcity.nsw.gov.au.

(b) Tree Preservation Order

A tree preservation order applies to the whole of the City of Canterbury Bankstown.

(c) Additional Contaminated Land Advice

On 22 August 2017 Council adopted a policy on contaminated land. This policy will restrict development of land:

a) which is affected by contamination;
b) which has been used for certain purposes;
c) in respect of which there is not sufficient information about contamination;
d) which is proposed to be used for certain purposes;
e) in other circumstances contained in the policy.

(d) General Advice Regarding Use of Property

Persons considering commencing a use of or purchasing a property are advised to seek confirmation that the current, or intended, use (as the case may be) has been approved by Council, or does not require Council approval. It is pointed out that the question of "existing use rights" within the meaning of the Environmental Planning and Assessment Act, 1979, is a complex matter, and that the commencement of a use without Council approval (where required) is unlawful and may be subject to enforcement action.

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(e) **Other Matters**
Not applicable.

CAMILLE LATTOUF
MANAGER CITY STRATEGY AND DESIGN

Appendix G
Laboratory Reports

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS		LABORATORY DETAILS	
Contact	Michael Evans	Manager	Huong Crawford
Client	METECH CONSULTING PTY LTD	Laboratory	SGS Alexandria Environmental
Address	PO BOX 1184 SUTHERLAND NSW 1499	Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	61 2 95757755	Telephone	+61 2 8594 0400
Facsimile	(Not specified)	Facsimile	+61 2 8594 0499
Email	mevans@metech.consulting	Email	au.environmental.sydney@sgs.com
Project	**EP241 Bankstown**	SGS Reference	**SE254539 R0**
Order Number	**EP241**	Date Received	29 Sep 2023
Samples	9	Date Reported	10 Oct 2023

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

No respirable fibres detected in all soil samples using trace analysis technique.
Sample #1:Chrysotile asbestos found in approx 14x10x4mm cement sheet fragment.
Asbestos analysed by Approved Identifier Yusuf Kuthpudin

SIGNATORIES

Akheeqar BENIAMEEN
Chemist

Dong LIANG
Metals/Inorganics Team Leader

Ly Kim HA
Organic Section Head

Ravee SIVASUBRAMANIAM
Hygiene Team Leader

Shane MCDERMOTT
Inorganic/Metals Chemist

Parameter	Units	LOR	Sample Number: SE254539.001 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: BH1/0.3	SE254539.002 Soil 29 Sep 2023 BH2/0.3	SE254539.003 Soil 29 Sep 2023 BH2/0.5	SE254539.004 Soil 29 Sep 2023 BH3/0.2
VOC's in Soil Method: AN433 Tested: 6/10/2023						
Fumigants						
2,2-dichloropropane	mg/kg	0.1	-	-	-	-
1,2-dichloropropane	mg/kg	0.1	-	-	-	-
cis-1,3-dichloropropene	mg/kg	0.1	-	-	-	-
trans-1,3-dichloropropene	mg/kg	0.1	-	-	-	-
1,2-dibromoethane (EDB)	mg/kg	0.1	-	-	-	-
Halogenated Aliphatics						
Dichlorodifluoromethane (CFC-12)	mg/kg	1	-	-	-	-
Chloromethane	mg/kg	1	-	-	-	-
Vinyl chloride (Chloroethene)	mg/kg	0.1	-	-	-	-
Bromomethane	mg/kg	1	-	-	-	-
Chloroethane	mg/kg	1	-	-	-	-
Trichlorofluoromethane	mg/kg	1	-	-	-	-
1,1-dichloroethene	mg/kg	0.1	-	-	-	-
Iodomethane	mg/kg	5	-	-	-	-
Dichloromethane (Methylene chloride)	mg/kg	0.5	-	-	-	-
Allyl chloride	mg/kg	0.1	-	-	-	-
trans-1,2-dichloroethene	mg/kg	0.1	-	-	-	-
1,1-dichloroethane	mg/kg	0.1	-	-	-	-
cis-1,2-dichloroethene	mg/kg	0.1	-	-	-	-
Bromochloromethane	mg/kg	0.1	-	-	-	-
1,2-dichloroethane	mg/kg	0.1	-	-	-	-
1,1,1-trichloroethane	mg/kg	0.1	-	-	-	-
1,1-dichloropropene	mg/kg	0.1	-	-	-	-
Carbon tetrachloride	mg/kg	0.1	-	-	-	-
Dibromomethane	mg/kg	0.1	-	-	-	-
Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	-	-	-	-
1,1,2-trichloroethane	mg/kg	0.1	-	-	-	-
1,3-dichloropropane	mg/kg	0.1	-	-	-	-
Tetrachloroethene (Perchloroethylene,PCE)	mg/kg	0.1	-	-	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.1	-	-	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.1	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.1	-	-	-	-
trans-1,4-dichloro-2-butene	mg/kg	1	-	-	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.1	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	-	-	-	-
Halogenated Aromatics						
Chlorobenzene	mg/kg	0.1	-	-	-	-
Bromobenzene	mg/kg	0.1	-	-	-	-
2-chlorotoluene	mg/kg	0.1	-	-	-	-
4-chlorotoluene	mg/kg	0.1	-	-	-	-
1,3-dichlorobenzene	mg/kg	0.1	-	-	-	-
1,4-dichlorobenzene	mg/kg	0.1	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.1	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.1	-	-	-	-
1,2,3-trichlorobenzene	mg/kg	0.1	-	-	-	-
Monocyclic Aromatic Hydrocarbons						
Benzene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	-	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	-	<0.2	<0.2
Styrene (Vinyl benzene)	mg/kg	0.1	-	-	-	-
o-xylene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Isopropylbenzene (Cumene)	mg/kg	0.1	-	-	-	-
n-propylbenzene	mg/kg	0.1	-	-	-	-
1,3,5-trimethylbenzene	mg/kg	0.1	-	-	-	-

Parameter	Units	LOR	Sample Number Sample Matrix Sample Date Sample Name SE254539.001 Soil 29 Sep 2023 BH1/0.3	SE254539.002 Soil 29 Sep 2023 BH2/0.3	SE254539.003 Soil 29 Sep 2023 BH2/0.5	SE254539.004 Soil 29 Sep 2023 BH3/0.2
VOC's in Soil Method: AN433 Tested: 6/10/2023 (continued)						
tert-butylbenzene	mg/kg	0.1	-	-	-	-
1,2,4-trimethylbenzene	mg/kg	0.1	-	-	-	-
sec-butylbenzene	mg/kg	0.1	-	-	-	-
p-isopropyltoluene	mg/kg	0.1	-	-	-	-
n-butylbenzene	mg/kg	0.1	-	-	-	-
Nitrogenous Compounds						
Acrylonitrile	mg/kg	0.1	-	-	-	-
2-nitropropane	mg/kg	10	-	-	-	-
Oxygenated Compounds						
Acetone (2-propanone)	mg/kg	10	-	-	-	-
MtBE (Methyl-tert-butyl ether)	mg/kg	0.1	-	-	-	-
Vinyl acetate*	mg/kg	10	-	-	-	-
MIBK (4-methyl-2-pentanone)	mg/kg	1	-	-	-	-
2-hexanone (MBK)	mg/kg	5	-	-	-	-
Polycyclic VOCs						
Naphthalene (VOC)*	mg/kg	0.1	<0.1	-	<0.1	<0.1
Sulphonated Compounds						
Carbon disulfide	mg/kg	0.5	-	-	-	-
Surrogates						
d4-1,2-dichloroethane (Surrogate)	%	-	**85**	-	**91**	**83**
d8-toluene (Surrogate)	%	-	**88**	-	**96**	**88**
Bromofluorobenzene (Surrogate)	%	-	**90**	-	**100**	**80**
Totals						
Total Other Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-	-	-	-
Total Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-	-	-	-
Total BTEX*	mg/kg	0.6	<0.6	-	<0.6	<0.6
Total Volatile Chlorinated Hydrocarbons*	mg/kg	3	-	-	-	-
Total VOC*	mg/kg	24	-	-	-	-
Total Xylenes*	mg/kg	0.3	<0.3	-	<0.3	<0.3

Parameter	Units	LOR	Sample Number Sample Matrix Sample Date Sample Name SE254539.001 Soil 29 Sep 2023 BH1/0.3	SE254539.002 Soil 29 Sep 2023 BH2/0.3	SE254539.003 Soil 29 Sep 2023 BH2/0.5	SE254539.004 Soil 29 Sep 2023 BH3/0.2
VOC's in Soil Method: AN433 Tested: 6/10/2023 (continued)						
Trihalomethanes						
Chloroform (THM)	mg/kg	0.1	-	-	-	-
Bromodichloromethane (THM)	mg/kg	0.1	-	-	-	-
Dibromochloromethane (THM)	mg/kg	0.1	-	-	-	-
Bromoform (THM)	mg/kg	0.1	-	-	-	-
Volatile Petroleum Hydrocarbons in Soil Method: AN433 Tested: 6/10/2023						
TRH C6-C10	mg/kg	25	<25	-	<25	<25
TRH C6-C9	mg/kg	20	<20	-	<20	<20
Surrogates						
d4-1,2-dichloroethane (Surrogate)	%	-	**85**	-	**91**	**83**
d8-toluene (Surrogate)	%	-	**88**	-	**96**	**88**
Bromofluorobenzene (Surrogate)	%	-	**90**	-	**100**	**80**
VPH F Bands						
Benzene (F0)	mg/kg	0.1	<0.1	-	<0.1	<0.1
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	-	<25	<25
TRH (Total Recoverable Hydrocarbons) in Soil Method: AN403 Tested: 6/10/2023						
TRH C10-C14	mg/kg	20	<20	-	<20	<20
TRH C15-C28	mg/kg	45	**50**	-	<45	<45
TRH C29-C36	mg/kg	45	**49**	-	<45	<45
TRH C37-C40	mg/kg	100	<100	-	<100	<100
TRH C10-C36 Total	mg/kg	110	<110	-	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	-	<210	<210
TRH F Bands						
TRH >C10-C16	mg/kg	25	<25	-	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	-	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	-	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	-	<120	<120

Parameter	Units	LOR	Sample Number: SE254539.001 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: BH1/0.3	SE254539.002 Soil 29 Sep 2023 BH2/0.3	SE254539.003 Soil 29 Sep 2023 BH2/0.5	SE254539.004 Soil 29 Sep 2023 BH3/0.2
PAH (Polynuclear Aromatic Hydrocarbons) in Soil Method: AN420 Tested: 6/10/2023						
Naphthalene	mg/kg	0.1	<0.1	-	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	-	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Phenanthrene	mg/kg	0.1	**0.1**	-	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Fluoranthene	mg/kg	0.1	**0.2**	-	<0.1	<0.1
Pyrene	mg/kg	0.1	**0.2**	-	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Chrysene	mg/kg	0.1	**0.1**	-	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	**0.1**	-	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	-	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	-	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	-	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	-	<0.3	<0.3
Total PAH (18)	mg/kg	0.8	<0.8	-	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	-	<0.8	<0.8
Surrogates						
d5-nitrobenzene (Surrogate)	%	-	**93**	-	**92**	**95**
2-fluorobiphenyl (Surrogate)	%	-	**98**	-	**100**	**101**
d14-p-terphenyl (Surrogate)	%	-	**108**	-	**108**	**110**
OC Pesticides in Soil Method: AN420 Tested: 6/10/2023						
Alpha BHC	mg/kg	0.1	<0.1	-	-	-
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	-	-	-
Beta BHC	mg/kg	0.1	<0.1	-	-	-
Lindane (gamma BHC)	mg/kg	0.1	<0.1	-	-	-
Delta BHC	mg/kg	0.1	<0.1	-	-	-
Heptachlor	mg/kg	0.1	<0.1	-	-	-
Aldrin	mg/kg	0.1	<0.1	-	-	-
Isodrin	mg/kg	0.1	<0.1	-	-	-
Heptachlor epoxide	mg/kg	0.1	<0.1	-	-	-
Gamma Chlordane	mg/kg	0.1	<0.1	-	-	-
Alpha Chlordane	mg/kg	0.1	<0.1	-	-	-
Alpha Endosulfan	mg/kg	0.2	<0.2	-	-	-
o,p'-DDE*	mg/kg	0.1	<0.1	-	-	-
p,p'-DDE	mg/kg	0.1	**0.1**	-	-	-
Dieldrin	mg/kg	0.2	<0.2	-	-	-
Endrin	mg/kg	0.2	<0.2	-	-	-
Beta Endosulfan	mg/kg	0.2	<0.2	-	-	-
o,p'-DDD*	mg/kg	0.1	<0.1	-	-	-
p,p'-DDD	mg/kg	0.1	<0.1	-	-	-
Endrin aldehyde	mg/kg	0.1	<0.1	-	-	-
Endosulfan sulphate	mg/kg	0.1	<0.1	-	-	-
o,p'-DDT*	mg/kg	0.1	<0.1	-	-	-
p,p'-DDT	mg/kg	0.1	<0.1	-	-	-
Endrin ketone	mg/kg	0.1	<0.1	-	-	-
Methoxychlor	mg/kg	0.1	<0.1	-	-	-
Mirex	mg/kg	0.1	<0.1	-	-	-
trans-Nonachlor	mg/kg	0.1	<0.1	-	-	-
Total CLP OC Pesticides	mg/kg	1	<1	-	-	-
Total OC VIC EPA	mg/kg	1	<1	-	-	-

Parameter	Units	LOR	Sample Number Sample Matrix Sample Date Sample Name SE254539.001 Soil 29 Sep 2023 BH1/0.3	SE254539.002 Soil 29 Sep 2023 BH2/0.3	SE254539.003 Soil 29 Sep 2023 BH2/0.5	SE254539.004 Soil 29 Sep 2023 BH3/0.2
OC Pesticides in Soil Method: AN420 Tested: 6/10/2023 (continued)						
Surrogates						
Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	**74**	-	-	-
PCBs in Soil Method: AN420 Tested: 6/10/2023						
Arochlor 1016	mg/kg	0.2	<0.2	-	-	-
Arochlor 1221	mg/kg	0.2	<0.2	-	-	-
Arochlor 1232	mg/kg	0.2	<0.2	-	-	-
Arochlor 1242	mg/kg	0.2	<0.2	-	-	-
Arochlor 1248	mg/kg	0.2	<0.2	-	-	-
Arochlor 1254	mg/kg	0.2	<0.2	-	-	-
Arochlor 1260	mg/kg	0.2	<0.2	-	-	-
Arochlor 1262	mg/kg	0.2	<0.2	-	-	-
Arochlor 1268	mg/kg	0.2	<0.2	-	-	-
Total PCBs (Arochlors)	mg/kg	1	<1	-	-	-
Surrogates						
TCMX (Surrogate)	%	-	**75**	-	-	-
Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES Method: AN040/AN320 Tested: 6/10/2023						
Arsenic, As	mg/kg	1	**6**	**5**	**5**	**6**
Cadmium, Cd	mg/kg	0.3	**0.4**	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	**21**	**8.7**	**8.8**	**12**
Copper, Cu	mg/kg	0.5	**39**	**10**	**8.2**	**12**
Nickel, Ni	mg/kg	0.5	**17**	**3.1**	**1.7**	**3.0**
Lead, Pb	mg/kg	1	**70**	**13**	**7**	**14**
Zinc, Zn	mg/kg	2	**140**	**37**	**16**	**20**
Mercury in Soil Method: AN312 Tested: 6/10/2023						
Mercury	mg/kg	0.05	**0.06**	<0.05	<0.05	<0.05

Parameter	Units	LOR	Sample Number: SE254539.001 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: BH1/0.3	SE254539.002 Soil 29 Sep 2023 BH2/0.3	SE254539.003 Soil 29 Sep 2023 BH2/0.5	SE254539.004 Soil 29 Sep 2023 BH3/0.2
Moisture Content Method: AN002 Tested: 6/10/2023						
% Moisture	%w/w	1	**11.8**	**15.0**	**16.1**	**17.8**
Fibre Identification in soil Method: AS4964/AN602 Tested: 9/10/2023						
FibreID						
Asbestos Detected	No unit	-	Yes	No	-	No
SemiQuant						
Estimated Fibres*	%w/w	0.01	**>0.01**	<0.01	-	<0.01

Parameter	Units	LOR	Sample Number: SE254539.005 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: BH4/0.0	SE254539.006 Soil 29 Sep 2023 BH4/0.5	SE254539.007 Soil 29 Sep 2023 BH5/0.1	SE254539.008 Soil 29 Sep 2023 BH5/0.5
VOC's in Soil Method: AN433 Tested: 6/10/2023						
Fumigants						
2,2-dichloropropane	mg/kg	0.1	<0.1	<0.1	-	-
1,2-dichloropropane	mg/kg	0.1	<0.1	<0.1	-	-
cis-1,3-dichloropropene	mg/kg	0.1	<0.1	<0.1	-	-
trans-1,3-dichloropropene	mg/kg	0.1	<0.1	<0.1	-	-
1,2-dibromoethane (EDB)	mg/kg	0.1	<0.1	<0.1	-	-
Halogenated Aliphatics						
Dichlorodifluoromethane (CFC-12)	mg/kg	1	<1	<1	-	-
Chloromethane	mg/kg	1	<1	<1	-	-
Vinyl chloride (Chloroethene)	mg/kg	0.1	<0.1	<0.1	-	-
Bromomethane	mg/kg	1	<1	<1	-	-
Chloroethane	mg/kg	1	<1	<1	-	-
Trichlorofluoromethane	mg/kg	1	<1	<1	-	-
1,1-dichloroethene	mg/kg	0.1	<0.1	<0.1	-	-
Iodomethane	mg/kg	5	<5	<5	-	-
Dichloromethane (Methylene chloride)	mg/kg	0.5	<0.5	<0.5	-	-
Allyl chloride	mg/kg	0.1	<0.1	<0.1	-	-
trans-1,2-dichloroethene	mg/kg	0.1	<0.1	<0.1	-	-
1,1-dichloroethane	mg/kg	0.1	<0.1	<0.1	-	-
cis-1,2-dichloroethene	mg/kg	0.1	<0.1	<0.1	-	-
Bromochloromethane	mg/kg	0.1	<0.1	<0.1	-	-
1,2-dichloroethane	mg/kg	0.1	<0.1	<0.1	-	-
1,1,1-trichloroethane	mg/kg	0.1	<0.1	<0.1	-	-
1,1-dichloropropene	mg/kg	0.1	<0.1	<0.1	-	-
Carbon tetrachloride	mg/kg	0.1	<0.1	<0.1	-	-
Dibromomethane	mg/kg	0.1	<0.1	<0.1	-	-
Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	<0.1	<0.1	-	-
1,1,2-trichloroethane	mg/kg	0.1	<0.1	<0.1	-	-
1,3-dichloropropane	mg/kg	0.1	<0.1	<0.1	-	-
Tetrachloroethene (Perchloroethylene,PCE)	mg/kg	0.1	<0.1	<0.1	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.1	<0.1	<0.1	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.1	<0.1	<0.1	-	-
1,2,3-trichloropropane	mg/kg	0.1	<0.1	<0.1	-	-
trans-1,4-dichloro-2-butene	mg/kg	1	<1	<1	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.1	<0.1	<0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	<0.1	<0.1	-	-
Halogenated Aromatics						
Chlorobenzene	mg/kg	0.1	<0.1	<0.1	-	-
Bromobenzene	mg/kg	0.1	<0.1	<0.1	-	-
2-chlorotoluene	mg/kg	0.1	<0.1	<0.1	-	-
4-chlorotoluene	mg/kg	0.1	<0.1	<0.1	-	-
1,3-dichlorobenzene	mg/kg	0.1	<0.1	<0.1	-	-
1,4-dichlorobenzene	mg/kg	0.1	<0.1	<0.1	-	-
1,2-dichlorobenzene	mg/kg	0.1	<0.1	<0.1	-	-
1,2,4-trichlorobenzene	mg/kg	0.1	<0.1	<0.1	-	-
1,2,3-trichlorobenzene	mg/kg	0.1	<0.1	<0.1	-	-
Monocyclic Aromatic Hydrocarbons						
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	-
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	-
Styrene (Vinyl benzene)	mg/kg	0.1	<0.1	<0.1	-	-
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Isopropylbenzene (Cumene)	mg/kg	0.1	<0.1	<0.1	-	-
n-propylbenzene	mg/kg	0.1	<0.1	<0.1	-	-
1,3,5-trimethylbenzene	mg/kg	0.1	<0.1	<0.1	-	-

Parameter	Units	LOR	Sample Number: SE254539.005 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: BH4/0.0	SE254539.006 Soil 29 Sep 2023 BH4/0.5	SE254539.007 Soil 29 Sep 2023 BH5/0.1	SE254539.008 Soil 29 Sep 2023 BH5/0.5
VOC's in Soil Method: AN433 Tested: 9/10/2023 (continued)						
tert-butylbenzene	mg/kg	0.1	<0.1	<0.1	-	-
1,2,4-trimethylbenzene	mg/kg	0.1	<0.1	<0.1	-	-
sec-butylbenzene	mg/kg	0.1	<0.1	<0.1	-	-
p-isopropyltoluene	mg/kg	0.1	<0.1	<0.1	-	-
n-butylbenzene	mg/kg	0.1	<0.1	<0.1	-	-
Nitrogenous Compounds						
Acrylonitrile	mg/kg	0.1	<0.1	<0.1	-	-
2-nitropropane	mg/kg	10	<10	<10	-	-
Oxygenated Compounds						
Acetone (2-propanone)	mg/kg	10	<10	<10	-	-
MtBE (Methyl-tert-butyl ether)	mg/kg	0.1	<0.1	<0.1	-	-
Vinyl acetate*	mg/kg	10	<10	<10	-	-
MIBK (4-methyl-2-pentanone)	mg/kg	1	<1	<1	-	-
2-hexanone (MBK)	mg/kg	5	<5	<5	-	-
Polycyclic VOCs						
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	-
Sulphonated Compounds						
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	-	-
Surrogates						
d4-1,2-dichloroethane (Surrogate)	%	-	**88**	**86**	**88**	-
d8-toluene (Surrogate)	%	-	**91**	**86**	**86**	-
Bromofluorobenzene (Surrogate)	%	-	**93**	**94**	**92**	-
Totals						
Total Other Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	<1.8	<1.8	-	-
Total Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	<1.8	<1.8	-	-
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	-
Total Volatile Chlorinated Hydrocarbons*	mg/kg	3	<3.0	<3.0	-	-
Total VOC*	mg/kg	24	<24	<24	-	-
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	-

Parameter	Units	LOR	Sample Number Sample Matrix Sample Date Sample Name SE254539.005 Soil 29 Sep 2023 BH4/0.0	SE254539.006 Soil 29 Sep 2023 BH4/0.5	SE254539.007 Soil 29 Sep 2023 BH5/0.1	SE254539.008 Soil 29 Sep 2023 BH5/0.5
VOC's in Soil Method: AN433 Tested: 6/10/2023 (continued)						
Trihalomethanes						
Chloroform (THM)	mg/kg	0.1	<0.1	<0.1	-	-
Bromodichloromethane (THM)	mg/kg	0.1	<0.1	<0.1	-	-
Dibromochloromethane (THM)	mg/kg	0.1	<0.1	<0.1	-	-
Bromoform (THM)	mg/kg	0.1	<0.1	<0.1	-	-
Volatile Petroleum Hydrocarbons in Soil Method: AN433 Tested: 6/10/2023						
TRH C6-C10	mg/kg	25	-	-	<25	-
TRH C6-C9	mg/kg	20	-	-	<20	-
Surrogates						
d4-1,2-dichloroethane (Surrogate)	%	-	-	-	**88**	-
d8-toluene (Surrogate)	%	-	-	-	**86**	-
Bromofluorobenzene (Surrogate)	%	-	-	-	**92**	-
VPH F Bands						
Benzene (F0)	mg/kg	0.1	-	-	<0.1	-
TRH C6-C10 minus BTEX (F1)	mg/kg	25	-	-	<25	-
TRH (Total Recoverable Hydrocarbons) in Soil Method: AN403 Tested: 6/10/2023						
TRH C10-C14	mg/kg	20	-	-	<20	-
TRH C15-C28	mg/kg	45	-	-	<45	-
TRH C29-C36	mg/kg	45	-	-	<45	-
TRH C37-C40	mg/kg	100	-	-	<100	-
TRH C10-C36 Total	mg/kg	110	-	-	<110	-
TRH >C10-C40 Total (F bands)	mg/kg	210	-	-	<210	-
TRH F Bands						
TRH >C10-C16	mg/kg	25	-	-	<25	-
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	-	-	<25	-
TRH >C16-C34 (F3)	mg/kg	90	-	-	<90	-
TRH >C34-C40 (F4)	mg/kg	120	-	-	<120	-

Parameter	Units	LOR	Sample Number Sample Matrix Sample Date Sample Name	SE254539.005 Soil 29 Sep 2023 BH4/0.0	SE254539.006 Soil 29 Sep 2023 BH4/0.5	SE254539.007 Soil 29 Sep 2023 BH5/0.1	SE254539.008 Soil 29 Sep 2023 BH5/0.5
PAH (Polynuclear Aromatic Hydrocarbons) in Soil Method: AN420 Tested: 6/10/2023							
Naphthalene	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1		<0.1	<0.1	**0.6**	**0.1**
Anthracene	mg/kg	0.1		<0.1	<0.1	**0.1**	<0.1
Fluoranthene	mg/kg	0.1		**0.2**	<0.1	**1.0**	**0.3**
Pyrene	mg/kg	0.1		**0.2**	<0.1	**1.0**	**0.3**
Benzo(a)anthracene	mg/kg	0.1		<0.1	<0.1	**0.3**	**0.1**
Chrysene	mg/kg	0.1		<0.1	<0.1	**0.4**	**0.1**
Benzo(b&j)fluoranthene	mg/kg	0.1		**0.1**	<0.1	**0.5**	**0.2**
Benzo(k)fluoranthene	mg/kg	0.1		<0.1	<0.1	**0.2**	<0.1
Benzo(a)pyrene	mg/kg	0.1		<0.1	<0.1	**0.4**	**0.1**
Indeno(1,2,3-cd)pyrene	mg/kg	0.1		<0.1	<0.1	**0.3**	**0.1**
Dibenzo(ah)anthracene	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1		**0.1**	<0.1	**0.3**	**0.1**
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2		<0.2	<0.2	**0.6**	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2		<0.2	<0.2	**0.6**	**0.2**
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3		<0.3	<0.3	**0.7**	<0.3
Total PAH (18)	mg/kg	0.8		<0.8	<0.8	**5.2**	**1.6**
Total PAH (NEPM/WHO 16)	mg/kg	0.8		<0.8	<0.8	**5.2**	**1.6**
Surrogates							
d5-nitrobenzene (Surrogate)	%	-		**105**	**105**	**106**	**105**
2-fluorobiphenyl (Surrogate)	%	-		**99**	**98**	**98**	**98**
d14-p-terphenyl (Surrogate)	%	-		**104**	**105**	**104**	**104**
OC Pesticides in Soil Method: AN420 Tested: 6/10/2023							
Alpha BHC	mg/kg	0.1		-	-	<0.1	-
Hexachlorobenzene (HCB)	mg/kg	0.1		-	-	<0.1	-
Beta BHC	mg/kg	0.1		-	-	<0.1	-
Lindane (gamma BHC)	mg/kg	0.1		-	-	<0.1	-
Delta BHC	mg/kg	0.1		-	-	<0.1	-
Heptachlor	mg/kg	0.1		-	-	<0.1	-
Aldrin	mg/kg	0.1		-	-	<0.1	-
Isodrin	mg/kg	0.1		-	-	<0.1	-
Heptachlor epoxide	mg/kg	0.1		-	-	<0.1	-
Gamma Chlordane	mg/kg	0.1		-	-	<0.1	-
Alpha Chlordane	mg/kg	0.1		-	-	<0.1	-
Alpha Endosulfan	mg/kg	0.2		-	-	<0.2	-
o,p'-DDE*	mg/kg	0.1		-	-	<0.1	-
p,p'-DDE	mg/kg	0.1		-	-	<0.1	-
Dieldrin	mg/kg	0.2		-	-	<0.2	-
Endrin	mg/kg	0.2		-	-	<0.2	-
Beta Endosulfan	mg/kg	0.2		-	-	<0.2	-
o,p'-DDD*	mg/kg	0.1		-	-	<0.1	-
p,p'-DDD	mg/kg	0.1		-	-	<0.1	-
Endrin aldehyde	mg/kg	0.1		-	-	<0.1	-
Endosulfan sulphate	mg/kg	0.1		-	-	<0.1	-
o,p'-DDT*	mg/kg	0.1		-	-	<0.1	-
p,p'-DDT	mg/kg	0.1		-	-	<0.1	-
Endrin ketone	mg/kg	0.1		-	-	<0.1	-
Methoxychlor	mg/kg	0.1		-	-	<0.1	-
Mirex	mg/kg	0.1		-	-	<0.1	-
trans-Nonachlor	mg/kg	0.1		-	-	<0.1	-
Total CLP OC Pesticides	mg/kg	1		-	-	<1	-
Total OC VIC EPA	mg/kg	1		-	-	<1	-

Parameter	Units	LOR	Sample Number Sample Matrix Sample Date Sample Name SE254539.005 Soil 29 Sep 2023 BH4/0.0	SE254539.006 Soil 29 Sep 2023 BH4/0.5	SE254539.007 Soil 29 Sep 2023 BH5/0.1	SE254539.008 Soil 29 Sep 2023 BH5/0.5
OC Pesticides in Soil Method: AN420 Tested: 6/10/2023 (continued)						
Surrogates						
Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	-	-	**78**	-
PCBs in Soil Method: AN420 Tested: 6/10/2023						
Arochlor 1016	mg/kg	0.2	-	-	<0.2	-
Arochlor 1221	mg/kg	0.2	-	-	<0.2	-
Arochlor 1232	mg/kg	0.2	-	-	<0.2	-
Arochlor 1242	mg/kg	0.2	-	-	<0.2	-
Arochlor 1248	mg/kg	0.2	-	-	<0.2	-
Arochlor 1254	mg/kg	0.2	-	-	<0.2	-
Arochlor 1260	mg/kg	0.2	-	-	<0.2	-
Arochlor 1262	mg/kg	0.2	-	-	<0.2	-
Arochlor 1268	mg/kg	0.2	-	-	<0.2	-
Total PCBs (Arochlors)	mg/kg	1	-	-	<1	-
Surrogates						
TCMX (Surrogate)	%	-	-	-	**86**	-
Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES Method: AN040/AN320 Tested: 9/10/2023						
Arsenic, As	mg/kg	1	-	-	**4**	**6**
Cadmium, Cd	mg/kg	0.3	-	-	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	-	-	**38**	**8.5**
Copper, Cu	mg/kg	0.5	-	-	**42**	**35**
Nickel, Ni	mg/kg	0.5	-	-	**42**	**3.1**
Lead, Pb	mg/kg	1	-	-	**50**	**40**
Zinc, Zn	mg/kg	2	-	-	**180**	**71**
Mercury in Soil Method: AN312 Tested: 9/10/2023						
Mercury	mg/kg	0.05	-	-	**0.06**	**0.06**

Parameter	Units	LOR	Sample Number Sample Matrix Sample Date Sample Name SE254539.005 Soil 29 Sep 2023 BH4/0.0	SE254539.006 Soil 29 Sep 2023 BH4/0.5	SE254539.007 Soil 29 Sep 2023 BH5/0.1	SE254539.008 Soil 29 Sep 2023 BH5/0.5
Moisture Content Method: AN002 Tested: 6/10/2023						
% Moisture	%w/w	1	**17.8**	**16.2**	**11.2**	**20.3**
Fibre Identification in soil Method: AS4964/AN602 Tested: 9/10/2023						
FibreID						
Asbestos Detected	No unit	-	No	-	No	-
SemiQuant						
Estimated Fibres*	%w/w	0.01	<0.01	-	<0.01	-

Parameter	Units	LOR	Sample Number: SE254539.009 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: QA1
VOC's in Soil Method: AN433 Tested: 9/10/2023			
Fumigants			
2,2-dichloropropane	mg/kg	0.1	-
1,2-dichloropropane	mg/kg	0.1	-
cis-1,3-dichloropropene	mg/kg	0.1	-
trans-1,3-dichloropropene	mg/kg	0.1	-
1,2-dibromoethane (EDB)	mg/kg	0.1	-
Halogenated Aliphatics			
Dichlorodifluoromethane (CFC-12)	mg/kg	1	-
Chloromethane	mg/kg	1	-
Vinyl chloride (Chloroethene)	mg/kg	0.1	-
Bromomethane	mg/kg	1	-
Chloroethane	mg/kg	1	-
Trichlorofluoromethane	mg/kg	1	-
1,1-dichloroethene	mg/kg	0.1	-
Iodomethane	mg/kg	5	-
Dichloromethane (Methylene chloride)	mg/kg	0.5	-
Allyl chloride	mg/kg	0.1	-
trans-1,2-dichloroethene	mg/kg	0.1	-
1,1-dichloroethane	mg/kg	0.1	-
cis-1,2-dichloroethene	mg/kg	0.1	-
Bromochloromethane	mg/kg	0.1	-
1,2-dichloroethane	mg/kg	0.1	-
1,1,1-trichloroethane	mg/kg	0.1	-
1,1-dichloropropene	mg/kg	0.1	-
Carbon tetrachloride	mg/kg	0.1	-
Dibromomethane	mg/kg	0.1	-
Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	-
1,1,2-trichloroethane	mg/kg	0.1	-
1,3-dichloropropane	mg/kg	0.1	-
Tetrachloroethene (Perchloroethylene,PCE)	mg/kg	0.1	-
1,1,1,2-tetrachloroethane	mg/kg	0.1	-
1,1,2,2-tetrachloroethane	mg/kg	0.1	-
1,2,3-trichloropropane	mg/kg	0.1	-
trans-1,4-dichloro-2-butene	mg/kg	1	-
1,2-dibromo-3-chloropropane	mg/kg	0.1	-
Hexachlorobutadiene	mg/kg	0.1	-
Halogenated Aromatics			
Chlorobenzene	mg/kg	0.1	-
Bromobenzene	mg/kg	0.1	-
2-chlorotoluene	mg/kg	0.1	-
4-chlorotoluene	mg/kg	0.1	-
1,3-dichlorobenzene	mg/kg	0.1	-
1,4-dichlorobenzene	mg/kg	0.1	-
1,2-dichlorobenzene	mg/kg	0.1	-
1,2,4-trichlorobenzene	mg/kg	0.1	-
1,2,3-trichlorobenzene	mg/kg	0.1	-

Parameter	Units	LOR	Sample Number: SE254539.009 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: QA1
VOC's in Soil Method: AN433 Tested: 9/10/2023 (continued)			
Monocyclic Aromatic Hydrocarbons			
Benzene	mg/kg	0.1	-
Toluene	mg/kg	0.1	-
Ethylbenzene	mg/kg	0.1	-
m/p-xylene	mg/kg	0.2	-
Styrene (Vinyl benzene)	mg/kg	0.1	-
o-xylene	mg/kg	0.1	-
Isopropylbenzene (Cumene)	mg/kg	0.1	-
n-propylbenzene	mg/kg	0.1	-
1,3,5-trimethylbenzene	mg/kg	0.1	-
tert-butylbenzene	mg/kg	0.1	-
1,2,4-trimethylbenzene	mg/kg	0.1	-
sec-butylbenzene	mg/kg	0.1	-
p-isopropyltoluene	mg/kg	0.1	-
n-butylbenzene	mg/kg	0.1	-
Nitrogenous Compounds			
Acrylonitrile	mg/kg	0.1	-
2-nitropropane	mg/kg	10	-
Oxygenated Compounds			
Acetone (2-propanone)	mg/kg	10	-
MtBE (Methyl-tert-butyl ether)	mg/kg	0.1	-
Vinyl acetate*	mg/kg	10	-
MIBK (4-methyl-2-pentanone)	mg/kg	1	-
2-hexanone (MBK)	mg/kg	5	-
Polycyclic VOCs			
Naphthalene (VOC)*	mg/kg	0.1	-
Sulphonated Compounds			
Carbon disulfide	mg/kg	0.5	-

Parameter	Units	LOR	Sample Number: SE254539.009 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: QA1
VOC's in Soil Method: AN433 Tested: 9/10/2023 (continued)			
Surrogates			
d4-1,2-dichloroethane (Surrogate)	%	-	-
d8-toluene (Surrogate)	%	-	-
Bromofluorobenzene (Surrogate)	%	-	-
Totals			
Total Other Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-
Total Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-
Total BTEX*	mg/kg	0.6	-
Total Volatile Chlorinated Hydrocarbons*	mg/kg	3	-
Total VOC*	mg/kg	24	-
Total Xylenes*	mg/kg	0.3	-
Trihalomethanes			
Chloroform (THM)	mg/kg	0.1	-
Bromodichloromethane (THM)	mg/kg	0.1	-
Dibromochloromethane (THM)	mg/kg	0.1	-
Bromoform (THM)	mg/kg	0.1	-
Volatile Petroleum Hydrocarbons in Soil Method: AN433 Tested: 9/10/2023			
TRH C6-C10	mg/kg	25	-
TRH C6-C9	mg/kg	20	-
Surrogates			
d4-1,2-dichloroethane (Surrogate)	%	-	-
d8-toluene (Surrogate)	%	-	-
Bromofluorobenzene (Surrogate)	%	-	-
VPH F Bands			
Benzene (F0)	mg/kg	0.1	-
TRH C6-C10 minus BTEX (F1)	mg/kg	25	-

Parameter	Units	LOR	Sample Number: SE254539.009 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: QA1
TRH (Total Recoverable Hydrocarbons) in Soil Method: AN403 Tested: 9/10/2023			
TRH C10-C14	mg/kg	20	-
TRH C15-C28	mg/kg	45	-
TRH C29-C36	mg/kg	45	-
TRH C37-C40	mg/kg	100	-
TRH C10-C36 Total	mg/kg	110	-
TRH >C10-C40 Total (F bands)	mg/kg	210	-
TRH F Bands			
TRH >C10-C16	mg/kg	25	-
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	-
TRH >C16-C34 (F3)	mg/kg	90	-
TRH >C34-C40 (F4)	mg/kg	120	-
PAH (Polynuclear Aromatic Hydrocarbons) in Soil Method: AN420 Tested: 9/10/2023			
Naphthalene	mg/kg	0.1	-
2-methylnaphthalene	mg/kg	0.1	-
1-methylnaphthalene	mg/kg	0.1	-
Acenaphthylene	mg/kg	0.1	-
Acenaphthene	mg/kg	0.1	-
Fluorene	mg/kg	0.1	-
Phenanthrene	mg/kg	0.1	-
Anthracene	mg/kg	0.1	-
Fluoranthene	mg/kg	0.1	-
Pyrene	mg/kg	0.1	-
Benzo(a)anthracene	mg/kg	0.1	-
Chrysene	mg/kg	0.1	-
Benzo(b&j)fluoranthene	mg/kg	0.1	-
Benzo(k)fluoranthene	mg/kg	0.1	-
Benzo(a)pyrene	mg/kg	0.1	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	-
Dibenzo(ah)anthracene	mg/kg	0.1	-
Benzo(ghi)perylene	mg/kg	0.1	-
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	-
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	-
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	-
Total PAH (18)	mg/kg	0.8	-
Total PAH (NEPM/WHO 16)	mg/kg	0.8	-

Parameter	Units	LOR	Sample Number: SE254539.009 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: QA1
PAH (Polynuclear Aromatic Hydrocarbons) in Soil Method: AN420 Tested: 9/10/2023 (continued)			
Surrogates			
d5-nitrobenzene (Surrogate)	%	-	-
2-fluorobiphenyl (Surrogate)	%	-	-
d14-p-terphenyl (Surrogate)	%	-	-
OC Pesticides in Soil Method: AN420 Tested: 9/10/2023			
Alpha BHC	mg/kg	0.1	-
Hexachlorobenzene (HCB)	mg/kg	0.1	-
Beta BHC	mg/kg	0.1	-
Lindane (gamma BHC)	mg/kg	0.1	-
Delta BHC	mg/kg	0.1	-
Heptachlor	mg/kg	0.1	-
Aldrin	mg/kg	0.1	-
Isodrin	mg/kg	0.1	-
Heptachlor epoxide	mg/kg	0.1	-
Gamma Chlordane	mg/kg	0.1	-
Alpha Chlordane	mg/kg	0.1	-
Alpha Endosulfan	mg/kg	0.2	-
o,p'-DDE*	mg/kg	0.1	-
p,p'-DDE	mg/kg	0.1	-
Dieldrin	mg/kg	0.2	-
Endrin	mg/kg	0.2	-
Beta Endosulfan	mg/kg	0.2	-
o,p'-DDD*	mg/kg	0.1	-
p,p'-DDD	mg/kg	0.1	-
Endrin aldehyde	mg/kg	0.1	-
Endosulfan sulphate	mg/kg	0.1	-
o,p'-DDT*	mg/kg	0.1	-
p,p'-DDT	mg/kg	0.1	-
Endrin ketone	mg/kg	0.1	-
Methoxychlor	mg/kg	0.1	-
Mirex	mg/kg	0.1	-
trans-Nonachlor	mg/kg	0.1	-
Total CLP OC Pesticides	mg/kg	1	-
Total OC VIC EPA	mg/kg	1	-
Surrogates			
Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	-

Parameter	Units	LOR	Sample Number: SE254539.009 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: QA1
PCBs in Soil Method: AN420 Tested: 9/10/2023			
Arochlor 1016	mg/kg	0.2	-
Arochlor 1221	mg/kg	0.2	-
Arochlor 1232	mg/kg	0.2	-
Arochlor 1242	mg/kg	0.2	-
Arochlor 1248	mg/kg	0.2	-
Arochlor 1254	mg/kg	0.2	-
Arochlor 1260	mg/kg	0.2	-
Arochlor 1262	mg/kg	0.2	-
Arochlor 1268	mg/kg	0.2	-
Total PCBs (Arochlors)	mg/kg	1	-
Surrogates			
TCMX (Surrogate)	%	-	-
Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES Method: AN040/AN320 Tested: 6/10/2023			
Arsenic, As	mg/kg	1	**6**
Cadmium, Cd	mg/kg	0.3	**0.3**
Chromium, Cr	mg/kg	0.5	**11**
Copper, Cu	mg/kg	0.5	**39**
Nickel, Ni	mg/kg	0.5	**3.6**
Lead, Pb	mg/kg	1	**57**
Zinc, Zn	mg/kg	2	**89**
Mercury in Soil Method: AN312 Tested: 6/10/2023			
Mercury	mg/kg	0.05	**0.07**

Parameter	Units	LOR	Sample Number: SE254539.009 Sample Matrix: Soil Sample Date: 29 Sep 2023 Sample Name: QA1
Moisture Content Method: AN002 Tested: 6/10/2023			
% Moisture	%w/w	1	**20.8**
Fibre Identification in soil Method: AS4964/AN602 Tested: 9/10/2023			
FibreID			
Asbestos Detected	No unit	-	-
SemiQuant			
Estimated Fibres*	%w/w	0.01	-

MB blank results are compared to the Limit of Reporting
LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.
DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage.* Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

Mercury in Soil **Method: ME-(AU)-[ENV]AN312**

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Mercury	LB292701	mg/kg	0.05	<0.05	10 - 15%	105%	86%

Moisture Content **Method: ME-(AU)-[ENV]AN002**

Parameter	QC Reference	Units	LOR	DUP %RPD
% Moisture	LB292699	%w/w	1	0 - 4%

OC Pesticides in Soil **Method: ME-(AU)-[ENV]AN420**

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Alpha BHC	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Hexachlorobenzene (HCB)	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Beta BHC	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Lindane (gamma BHC)	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Delta BHC	LB292697	mg/kg	0.1	<0.1	0%	89%	60%
Heptachlor	LB292697	mg/kg	0.1	<0.1	0%	91%	66%
Aldrin	LB292697	mg/kg	0.1	<0.1	0%	91%	62%
Isodrin	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Heptachlor epoxide	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Gamma Chlordane	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Alpha Chlordane	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Alpha Endosulfan	LB292697	mg/kg	0.2	<0.2	0%	NA	NA
o,p'-DDE*	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
p,p'-DDE	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Dieldrin	LB292697	mg/kg	0.2	<0.2	0%	92%	65%
Endrin	LB292697	mg/kg	0.2	<0.2	0%	91%	60%
Beta Endosulfan	LB292697	mg/kg	0.2	<0.2	0%	NA	NA
o,p'-DDD*	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
p,p'-DDD	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Endrin aldehyde	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Endosulfan sulphate	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
o,p'-DDT*	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
p,p'-DDT	LB292697	mg/kg	0.1	<0.1	0%	86%	76%
Endrin ketone	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Methoxychlor	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Mirex	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
trans-Nonachlor	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Total CLP OC Pesticides	LB292697	mg/kg	1	<1	0%	NA	NA
Total OC VIC EPA	LB292697	mg/kg	1	<1	0%	NA	NA

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Tetrachloro-m-xylene (TCMX) (Surrogate)	LB292697	%	-	83%	14%	85%	73%

MB blank results are compared to the Limit of Reporting
LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.
DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage.* Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil **Method: ME-(AU)-[ENV]AN420**

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Naphthalene	LB292697	mg/kg	0.1	<0.1	0%	97%	95%
2-methylnaphthalene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
1-methylnaphthalene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Acenaphthylene	LB292697	mg/kg	0.1	<0.1	0%	98%	94%
Acenaphthene	LB292697	mg/kg	0.1	<0.1	0%	102%	99%
Fluorene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Phenanthrene	LB292697	mg/kg	0.1	<0.1	0%	100%	95%
Anthracene	LB292697	mg/kg	0.1	<0.1	0%	101%	95%
Fluoranthene	LB292697	mg/kg	0.1	<0.1	0 - 3%	96%	93%
Pyrene	LB292697	mg/kg	0.1	<0.1	0 - 1%	98%	94%
Benzo(a)anthracene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Chrysene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Benzo(b&j)fluoranthene	LB292697	mg/kg	0.1	<0.1	0 - 1%	NA	NA
Benzo(k)fluoranthene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Benzo(a)pyrene	LB292697	mg/kg	0.1	<0.1	0%	99%	97%
Indeno(1,2,3-cd)pyrene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Dibenzo(ah)anthracene	LB292697	mg/kg	0.1	<0.1	0%	NA	NA
Benzo(ghi)perylene	LB292697	mg/kg	0.1	<0.1	0 - 6%	NA	NA
Carcinogenic PAHs, BaP TEQ <LOR=0*	LB292697	TEQ (mg/kg)	0.2	<0.2	0%	NA	NA
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	LB292697	TEQ (mg/kg)	0.2	<0.2	0%	NA	NA
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	LB292697	TEQ (mg/kg)	0.3	<0.3	0%	NA	NA
Total PAH (18)	LB292697	mg/kg	0.8	<0.8	0 - 1%	NA	NA
Total PAH (NEPM/WHO 16)	LB292697	mg/kg	0.8	<0.8			

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
d5-nitrobenzene (Surrogate)	LB292697	%	-	106%	0 - 4%	105%	91%
2-fluorobiphenyl (Surrogate)	LB292697	%	-	96%	0 - 2%	99%	103%
d14-p-terphenyl (Surrogate)	LB292697	%	-	103%	0 - 2%	106%	100%

MB blank results are compared to the Limit of Reporting
LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.
DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage.* Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

PCBs in Soil Method: ME-(AU)-[ENV]AN420

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Arochlor 1016	LB292697	mg/kg	0.2	<0.2	0%	NA
Arochlor 1221	LB292697	mg/kg	0.2	<0.2	0%	NA
Arochlor 1232	LB292697	mg/kg	0.2	<0.2	0%	NA
Arochlor 1242	LB292697	mg/kg	0.2	<0.2	0%	NA
Arochlor 1248	LB292697	mg/kg	0.2	<0.2	0%	NA
Arochlor 1254	LB292697	mg/kg	0.2	<0.2	0%	NA
Arochlor 1260	LB292697	mg/kg	0.2	<0.2	0%	101%
Arochlor 1262	LB292697	mg/kg	0.2	<0.2	0%	NA
Arochlor 1268	LB292697	mg/kg	0.2	<0.2	0%	NA
Total PCBs (Arochlors)	LB292697	mg/kg	1	<1	0%	NA

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
TCMX (Surrogate)	LB292697	%	-	83%	13%	85%

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES Method: ME-(AU)-[ENV]AN040/AN320

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Arsenic, As	LB292700	mg/kg	1	<1	3 - 27%	111%	95%
Cadmium, Cd	LB292700	mg/kg	0.3	<0.3	0 - 18%	94%	92%
Chromium, Cr	LB292700	mg/kg	0.5	<0.5	5 - 9%	116%	86%
Copper, Cu	LB292700	mg/kg	0.5	<0.5	2 - 19%	115%	85%
Nickel, Ni	LB292700	mg/kg	0.5	<0.5	4 - 32%	104%	69%
Lead, Pb	LB292700	mg/kg	1	<1	5 - 60%	104%	85%
Zinc, Zn	LB292700	mg/kg	2	<2	1 - 18%	107%	71%

TRH (Total Recoverable Hydrocarbons) in Soil Method: ME-(AU)-[ENV]AN403

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
TRH C10-C14	LB292697	mg/kg	20	<20	0%	91%	112%
TRH C15-C28	LB292697	mg/kg	45	<45	0%	80%	120%
TRH C29-C36	LB292697	mg/kg	45	<45	0%	93%	116%
TRH C37-C40	LB292697	mg/kg	100	<100	0%	NA	NA
TRH C10-C36 Total	LB292697	mg/kg	110	<110	0%	NA	NA
TRH >C10-C40 Total (F bands)	LB292697	mg/kg	210	<210	0%	NA	NA

TRH F Bands

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
TRH >C10-C16	LB292697	mg/kg	25	<25	0%	101%	123%
TRH >C10-C16 - Naphthalene (F2)	LB292697	mg/kg	25	<25	0%	NA	NA
TRH >C16-C34 (F3)	LB292697	mg/kg	90	<90	0%	87%	139%
TRH >C34-C40 (F4)	LB292697	mg/kg	120	<120	0%	108%	NA

MB blank results are compared to the Limit of Reporting
LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.
DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage.* Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

VOC's in Soil **Method: ME-(AU)-[ENV]AN433**

Fumigants

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
2,2-dichloropropane	LB292698	mg/kg	0.1	<0.1	0%	NA
1,2-dichloropropane	LB292698	mg/kg	0.1	<0.1	0%	NA
cis-1,3-dichloropropene	LB292698	mg/kg	0.1	<0.1	0%	NA
trans-1,3-dichloropropene	LB292698	mg/kg	0.1	<0.1	0%	NA
1,2-dibromoethane (EDB)	LB292698	mg/kg	0.1	<0.1	0%	NA

Halogenated Aliphatics

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Dichlorodifluoromethane (CFC-12)	LB292698	mg/kg	1	<1	0%	NA
Chloromethane	LB292698	mg/kg	1	<1	0%	NA
Vinyl chloride (Chloroethene)	LB292698	mg/kg	0.1	<0.1	0%	NA
Bromomethane	LB292698	mg/kg	1	<1	0%	NA
Chloroethane	LB292698	mg/kg	1	<1	0%	NA
Trichlorofluoromethane	LB292698	mg/kg	1	<1	0%	NA
1,1-dichloroethene	LB292698	mg/kg	0.1	<0.1	0%	73%
Iodomethane	LB292698	mg/kg	5	<5	0%	NA
Dichloromethane (Methylene chloride)	LB292698	mg/kg	0.5	<0.5	0%	NA
Allyl chloride	LB292698	mg/kg	0.1	<0.1	0%	NA
trans-1,2-dichloroethene	LB292698	mg/kg	0.1	<0.1	0%	NA
1,1-dichloroethane	LB292698	mg/kg	0.1	<0.1	0%	NA
cis-1,2-dichloroethene	LB292698	mg/kg	0.1	<0.1	0%	NA
Bromochloromethane	LB292698	mg/kg	0.1	<0.1	0%	NA
1,2-dichloroethane	LB292698	mg/kg	0.1	<0.1	0%	96%
1,1,1-trichloroethane	LB292698	mg/kg	0.1	<0.1	0%	NA
1,1-dichloropropene	LB292698	mg/kg	0.1	<0.1	0%	NA
Carbon tetrachloride	LB292698	mg/kg	0.1	<0.1	0%	NA
Dibromomethane	LB292698	mg/kg	0.1	<0.1	0%	NA
Trichloroethene (Trichloroethylene,TCE)	LB292698	mg/kg	0.1	<0.1	0%	92%
1,1,2-trichloroethane	LB292698	mg/kg	0.1	<0.1	0%	NA
1,3-dichloropropane	LB292698	mg/kg	0.1	<0.1	0%	NA
Tetrachloroethene (Perchloroethylene,PCE)	LB292698	mg/kg	0.1	<0.1	0%	NA
1,1,1,2-tetrachloroethane	LB292698	mg/kg	0.1	<0.1	0%	NA
1,1,2,2-tetrachloroethane	LB292698	mg/kg	0.1	<0.1	0%	NA
1,2,3-trichloropropane	LB292698	mg/kg	0.1	<0.1	0%	NA
trans-1,4-dichloro-2-butene	LB292698	mg/kg	1	<1	0%	NA
1,2-dibromo-3-chloropropane	LB292698	mg/kg	0.1	<0.1	0%	NA
Hexachlorobutadiene	LB292698	mg/kg	0.1	<0.1	0%	NA

Halogenated Aromatics

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Chlorobenzene	LB292698	mg/kg	0.1	<0.1	0%	113%
Bromobenzene	LB292698	mg/kg	0.1	<0.1	0%	NA
2-chlorotoluene	LB292698	mg/kg	0.1	<0.1	0%	NA
4-chlorotoluene	LB292698	mg/kg	0.1	<0.1	0%	NA
1,3-dichlorobenzene	LB292698	mg/kg	0.1	<0.1	0%	NA
1,4-dichlorobenzene	LB292698	mg/kg	0.1	<0.1	0%	NA
1,2-dichlorobenzene	LB292698	mg/kg	0.1	<0.1	0%	NA
1,2,4-trichlorobenzene	LB292698	mg/kg	0.1	<0.1	0%	NA
1,2,3-trichlorobenzene	LB292698	mg/kg	0.1	<0.1	0%	NA

Monocyclic Aromatic Hydrocarbons

MB blank results are compared to the Limit of Reporting
LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.
DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage.* Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

VOC's in Soil Method: ME-(AU)-[ENV]AN433 (continued)

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Benzene	LB292698	mg/kg	0.1	<0.1	0%	80%	96%
Toluene	LB292698	mg/kg	0.1	<0.1	0%	85%	100%
Ethylbenzene	LB292698	mg/kg	0.1	<0.1	0%	95%	104%
m/p-xylene	LB292698	mg/kg	0.2	<0.2	0%	96%	105%
Styrene (Vinyl benzene)	LB292698	mg/kg	0.1	<0.1	0%	NA	
o-xylene	LB292698	mg/kg	0.1	<0.1	0%	99%	108%
Isopropylbenzene (Cumene)	LB292698	mg/kg	0.1	<0.1	0%	NA	
n-propylbenzene	LB292698	mg/kg	0.1	<0.1	0%	NA	
1,3,5-trimethylbenzene	LB292698	mg/kg	0.1	<0.1	0%	NA	
tert-butylbenzene	LB292698	mg/kg	0.1	<0.1	0%	NA	
1,2,4-trimethylbenzene	LB292698	mg/kg	0.1	<0.1	0%	NA	
sec-butylbenzene	LB292698	mg/kg	0.1	<0.1	0%	NA	
p-isopropyltoluene	LB292698	mg/kg	0.1	<0.1	0%	NA	
n-butylbenzene	LB292698	mg/kg	0.1	<0.1	0%	NA	

Nitrogenous Compounds

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Acrylonitrile	LB292698	mg/kg	0.1	<0.1	0%	NA
2-nitropropane	LB292698	mg/kg	10	<10	0%	NA

Oxygenated Compounds

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Acetone (2-propanone)	LB292698	mg/kg	10	<10	0%	NA
MtBE (Methyl-tert-butyl ether)	LB292698	mg/kg	0.1	<0.1	0%	NA
Vinyl acetate*	LB292698	mg/kg	10	<10	0%	NA
MIBK (4-methyl-2-pentanone)	LB292698	mg/kg	1	<1	0%	NA
2-hexanone (MBK)	LB292698	mg/kg	5	<5	0%	NA

Polycyclic VOCs

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Naphthalene (VOC)*	LB292698	mg/kg	0.1	<0.1	0%	NA	NA

Sulphonated Compounds

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Carbon disulfide	LB292698	mg/kg	0.5	<0.5	0%	NA

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
d4-1,2-dichloroethane (Surrogate)	LB292698	%	-	83%	1 - 2%	86%	84%
d8-toluene (Surrogate)	LB292698	%	-	90%	1 - 7%	89%	74%
Bromofluorobenzene (Surrogate)	LB292698	%	-	100%	0 - 5%	103%	89%

Totals

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Total Other Chlorinated Hydrocarbons VIC EPA*	LB292698	mg/kg	1.8	<1.8	0%	NA	
Total Chlorinated Hydrocarbons VIC EPA*	LB292698	mg/kg	1.8	<1.8	0%	NA	
Total BTEX*	LB292698	mg/kg	0.6	<0.6	0%	NA	NA
Total Volatile Chlorinated Hydrocarbons*	LB292698	mg/kg	3	<3.0	0%	NA	
Total VOC*	LB292698	mg/kg	24	<24	0%	NA	
Total Xylenes*	LB292698	mg/kg	0.3	<0.3	0%	NA	NA

Trihalomethanes

MB blank results are compared to the Limit of Reporting
LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.
DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage.* Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

VOC's in Soil **Method: ME-(AU)-[ENV]AN433 (continued)**

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Chloroform (THM)	LB292698	mg/kg	0.1	<0.1	0%	99%
Bromodichloromethane (THM)	LB292698	mg/kg	0.1	<0.1	0%	NA
Dibromochloromethane (THM)	LB292698	mg/kg	0.1	<0.1	0%	NA
Bromoform (THM)	LB292698	mg/kg	0.1	<0.1	0%	NA

Volatile Petroleum Hydrocarbons in Soil **Method: ME-(AU)-[ENV]AN433**

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
TRH C6-C10	LB292698	mg/kg	25	<25	0%	92%	99%
TRH C6-C9	LB292698	mg/kg	20	<20	0%	92%	101%

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
d4-1,2-dichloroethane (Surrogate)	LB292698	%	-	83%	2%	86%	84%
d8-toluene (Surrogate)	LB292698	%	-	90%	7%	89%	74%
Bromofluorobenzene (Surrogate)	LB292698	%	-	100%	5%	103%	89%

VPH F Bands

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Benzene (F0)	LB292698	mg/kg	0.1	<0.1	0%	NA	NA
TRH C6-C10 minus BTEX (F1)	LB292698	mg/kg	25	<25	0%	92%	98%

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by AAS or ICP as per USEPA Method 200.8.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents .
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D). Total PAH calculated from individual analyte detections at or above the limit of reporting .
AN420	SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.

METHOD	METHODOLOGY SUMMARY
AN602/AS4964	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602/AS4964	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602/AS4964	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples , Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."
AN602/AS4964	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable ’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

IS	Insufficient sample for analysis.	LOR	Limit of Reporting
LNR	Sample listed, but not received.	↑↓	Raised or Lowered Limit of Reporting
*	NATA accreditation does not cover the performance of this service.	QFH	QC result is above the upper tolerance
		QFL	QC result is below the lower tolerance
**	Indicative data, theoretical holding time exceeded.	-	The sample was not analysed for this analyte
***	Indicates that both * and ** apply.	NVL	Not Validated

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calcuated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Michael Evans
Client	METECH CONSULTING PTY LTD
Address	PO BOX 1184 SUTHERLAND NSW 1499
Telephone	61 2 95757755
Facsimile	(Not specified)
Email	mevans@metech.consulting
Project	**EP241 Bankstown**
Order Number	**EP241**
Samples	9

LABORATORY DETAILS

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Laboratory	SGS Alexandria Environmental
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SGS Reference	**SE254539 R0**
Date Received	29/9/2023
Date Reported	10/10/2023

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

No respirable fibres detected in all soil samples using trace analysis technique.
Sample #1:Chrysotile asbestos found in approx 14x10x4mm cement sheet fragment.
Asbestos analysed by Approved Identifier Yusuf Kuthpudin

SIGNATORIES

Akheeqar BENIAMEEN
Chemist

Dong LIANG
Metals/Inorganics Team Leader

Ly Kim HA
Organic Section Head

Ravee SIVASUBRAMANIAM
Hygiene Team Leader

Shane MCDERMOTT
Inorganic/Metals Chemist

VOC's in Soil [AN433] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH4/0.0 SOIL - 29/9/2023 SE254539.005	BH4/0.5 SOIL - 29/9/2023 SE254539.006
Dichlorodifluoromethane (CFC-12)	mg/kg	1	-	-	-	<1	<1
Chloromethane	mg/kg	1	-	-	-	<1	<1
Vinyl chloride (Chloroethene)	mg/kg	0.1	-	-	-	<0.1	<0.1
Bromomethane	mg/kg	1	-	-	-	<1	<1
Chloroethane	mg/kg	1	-	-	-	<1	<1
Trichlorofluoromethane	mg/kg	1	-	-	-	<1	<1
Acetone (2-propanone)	mg/kg	10	-	-	-	<10	<10
Iodomethane	mg/kg	5	-	-	-	<5	<5
1,1-dichloroethene	mg/kg	0.1	-	-	-	<0.1	<0.1
Acrylonitrile	mg/kg	0.1	-	-	-	<0.1	<0.1
Dichloromethane (Methylene chloride)	mg/kg	0.5	-	-	-	<0.5	<0.5
Allyl chloride	mg/kg	0.1	-	-	-	<0.1	<0.1
Carbon disulfide	mg/kg	0.5	-	-	-	<0.5	<0.5
trans-1,2-dichloroethene	mg/kg	0.1	-	-	-	<0.1	<0.1
MtBE (Methyl-tert-butyl ether)	mg/kg	0.1	-	-	-	<0.1	<0.1
1,1-dichloroethane	mg/kg	0.1	-	-	-	<0.1	<0.1
Vinyl acetate*	mg/kg	10	-	-	-	<10	<10
cis-1,2-dichloroethene	mg/kg	0.1	-	-	-	<0.1	<0.1
Bromochloromethane	mg/kg	0.1	-	-	-	<0.1	<0.1
Chloroform (THM)	mg/kg	0.1	-	-	-	<0.1	<0.1
2,2-dichloropropane	mg/kg	0.1	-	-	-	<0.1	<0.1
1,2-dichloroethane	mg/kg	0.1	-	-	-	<0.1	<0.1
1,1,1-trichloroethane	mg/kg	0.1	-	-	-	<0.1	<0.1
1,1-dichloropropene	mg/kg	0.1	-	-	-	<0.1	<0.1
Carbon tetrachloride	mg/kg	0.1	-	-	-	<0.1	<0.1
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibromomethane	mg/kg	0.1	-	-	-	<0.1	<0.1
1,2-dichloropropane	mg/kg	0.1	-	-	-	<0.1	<0.1
Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	-	-	-	<0.1	<0.1
2-nitropropane	mg/kg	10	-	-	-	<10	<10
Bromodichloromethane (THM)	mg/kg	0.1	-	-	-	<0.1	<0.1
MIBK (4-methyl-2-pentanone)	mg/kg	1	-	-	-	<1	<1
cis-1,3-dichloropropene	mg/kg	0.1	-	-	-	<0.1	<0.1
trans-1,3-dichloropropene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,1,2-trichloroethane	mg/kg	0.1	-	-	-	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-dichloropropane	mg/kg	0.1	-	-	-	<0.1	<0.1
Dibromochloromethane (THM)	mg/kg	0.1	-	-	-	<0.1	<0.1
2-hexanone (MBK)	mg/kg	5	-	-	-	<5	<5
1,2-dibromoethane (EDB)	mg/kg	0.1	-	-	-	<0.1	<0.1
Tetrachloroethene (Perchloroethylene,PCE)	mg/kg	0.1	-	-	-	<0.1	<0.1
1,1,1,2-tetrachloroethane	mg/kg	0.1	-	-	-	<0.1	<0.1
Chlorobenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform (THM)	mg/kg	0.1	-	-	-	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene (Vinyl benzene)	mg/kg	0.1	-	-	-	<0.1	<0.1
1,1,2,2-tetrachloroethane	mg/kg	0.1	-	-	-	<0.1	<0.1
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,3-trichloropropane	mg/kg	0.1	-	-	-	<0.1	<0.1
trans-1,4-dichloro-2-butene	mg/kg	1	-	-	-	<1	<1
Isopropylbenzene (Cumene)	mg/kg	0.1	-	-	-	<0.1	<0.1
Bromobenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
n-propylbenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
2-chlorotoluene	mg/kg	0.1	-	-	-	<0.1	<0.1

VOC's in Soil [AN433] Tested: 6/10/2023 (continued)

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH4/0.0 SOIL - 29/9/2023 SE254539.005	BH4/0.5 SOIL - 29/9/2023 SE254539.006
4-chlorotoluene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,3,5-trimethylbenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
tert-butylbenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,2,4-trimethylbenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
sec-butylbenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,3-dichlorobenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,4-dichlorobenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
p-isopropyltoluene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,2-dichlorobenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
n-butylbenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,2-dibromo-3-chloropropane	mg/kg	0.1	-	-	-	<0.1	<0.1
1,2,4-trichlorobenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	mg/kg	0.1	-	-	-	<0.1	<0.1
1,2,3-trichlorobenzene	mg/kg	0.1	-	-	-	<0.1	<0.1
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Total VOC*	mg/kg	24	-	-	-	<24	<24
Total Volatile Chlorinated Hydrocarbons*	mg/kg	3	-	-	-	<3.0	<3.0
Total Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-	-	-	<1.8	<1.8
Total Other Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-	-	-	<1.8	<1.8

VOC's in Soil [AN433] Tested: 6/10/2023 (continued)

PARAMETER	UOM	LOR	BH5/0.1 SOIL - 29/9/2023 SE254539.007
Dichlorodifluoromethane (CFC-12)	mg/kg	1	-
Chloromethane	mg/kg	1	-
Vinyl chloride (Chloroethene)	mg/kg	0.1	-
Bromomethane	mg/kg	1	-
Chloroethane	mg/kg	1	-
Trichlorofluoromethane	mg/kg	1	-
Acetone (2-propanone)	mg/kg	10	-
Iodomethane	mg/kg	5	-
1,1-dichloroethene	mg/kg	0.1	-
Acrylonitrile	mg/kg	0.1	-
Dichloromethane (Methylene chloride)	mg/kg	0.5	-
Allyl chloride	mg/kg	0.1	-
Carbon disulfide	mg/kg	0.5	-
trans-1,2-dichloroethene	mg/kg	0.1	-
MtBE (Methyl-tert-butyl ether)	mg/kg	0.1	-
1,1-dichloroethane	mg/kg	0.1	-
Vinyl acetate*	mg/kg	10	-
cis-1,2-dichloroethene	mg/kg	0.1	-
Bromochloromethane	mg/kg	0.1	-
Chloroform (THM)	mg/kg	0.1	-
2,2-dichloropropane	mg/kg	0.1	-
1,2-dichloroethane	mg/kg	0.1	-
1,1,1-trichloroethane	mg/kg	0.1	-
1,1-dichloropropene	mg/kg	0.1	-
Carbon tetrachloride	mg/kg	0.1	-
Benzene	mg/kg	0.1	<0.1
Dibromomethane	mg/kg	0.1	-
1,2-dichloropropane	mg/kg	0.1	-
Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	-
2-nitropropane	mg/kg	10	-
Bromodichloromethane (THM)	mg/kg	0.1	-
MIBK (4-methyl-2-pentanone)	mg/kg	1	-
cis-1,3-dichloropropene	mg/kg	0.1	-
trans-1,3-dichloropropene	mg/kg	0.1	-
1,1,2-trichloroethane	mg/kg	0.1	-
Toluene	mg/kg	0.1	<0.1
1,3-dichloropropane	mg/kg	0.1	-
Dibromochloromethane (THM)	mg/kg	0.1	-
2-hexanone (MBK)	mg/kg	5	-
1,2-dibromoethane (EDB)	mg/kg	0.1	-
Tetrachloroethene (Perchloroethylene,PCE)	mg/kg	0.1	-
1,1,1,2-tetrachloroethane	mg/kg	0.1	-
Chlorobenzene	mg/kg	0.1	-
Ethylbenzene	mg/kg	0.1	<0.1
Bromoform (THM)	mg/kg	0.1	-
m/p-xylene	mg/kg	0.2	<0.2
Styrene (Vinyl benzene)	mg/kg	0.1	-
1,1,2,2-tetrachloroethane	mg/kg	0.1	-
o-xylene	mg/kg	0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3
1,2,3-trichloropropane	mg/kg	0.1	-
trans-1,4-dichloro-2-butene	mg/kg	1	-
Isopropylbenzene (Cumene)	mg/kg	0.1	-
Bromobenzene	mg/kg	0.1	-
n-propylbenzene	mg/kg	0.1	-
2-chlorotoluene	mg/kg	0.1	-

VOC's in Soil [AN433] Tested: 6/10/2023 (continued)

PARAMETER	UOM	LOR	BH5/0.1 SOIL - 29/9/2023 SE254539.007
4-chlorotoluene	mg/kg	0.1	-
1,3,5-trimethylbenzene	mg/kg	0.1	-
tert-butylbenzene	mg/kg	0.1	-
1,2,4-trimethylbenzene	mg/kg	0.1	-
sec-butylbenzene	mg/kg	0.1	-
1,3-dichlorobenzene	mg/kg	0.1	-
1,4-dichlorobenzene	mg/kg	0.1	-
p-isopropyltoluene	mg/kg	0.1	-
1,2-dichlorobenzene	mg/kg	0.1	-
n-butylbenzene	mg/kg	0.1	-
1,2-dibromo-3-chloropropane	mg/kg	0.1	-
1,2,4-trichlorobenzene	mg/kg	0.1	-
Naphthalene (VOC)*	mg/kg	0.1	<0.1
Hexachlorobutadiene	mg/kg	0.1	-
1,2,3-trichlorobenzene	mg/kg	0.1	-
Total BTEX*	mg/kg	0.6	<0.6
Total VOC*	mg/kg	24	-
Total Volatile Chlorinated Hydrocarbons*	mg/kg	3	-
Total Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-
Total Other Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	-

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH5/0.1 SOIL - 29/9/2023 SE254539.007
TRH C6-C9	mg/kg	20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH5/0.1 SOIL - 29/9/2023 SE254539.007
TRH C10-C14	mg/kg	20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	**50**	<45	<45	<45
TRH C29-C36	mg/kg	45	**49**	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH4/0.0 SOIL - 29/9/2023 SE254539.005	BH4/0.5 SOIL - 29/9/2023 SE254539.006
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	**0.1**	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	**0.2**	<0.1	<0.1	**0.2**	<0.1
Pyrene	mg/kg	0.1	**0.2**	<0.1	<0.1	**0.2**	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	**0.1**	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	**0.1**	<0.1	<0.1	**0.1**	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	**0.1**	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	BH5/0.1 SOIL - 29/9/2023 SE254539.007	BH5/0.5 SOIL - 29/9/2023 SE254539.008
Naphthalene	mg/kg	0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	**0.6**	**0.1**
Anthracene	mg/kg	0.1	**0.1**	<0.1
Fluoranthene	mg/kg	0.1	**1.0**	**0.3**
Pyrene	mg/kg	0.1	**1.0**	**0.3**
Benzo(a)anthracene	mg/kg	0.1	**0.3**	**0.1**
Chrysene	mg/kg	0.1	**0.4**	**0.1**
Benzo(b&j)fluoranthene	mg/kg	0.1	**0.5**	**0.2**
Benzo(k)fluoranthene	mg/kg	0.1	**0.2**	<0.1
Benzo(a)pyrene	mg/kg	0.1	**0.4**	**0.1**
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	**0.3**	**0.1**
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	**0.3**	**0.1**
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	**0.6**	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	**0.7**	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	**0.6**	**0.2**
Total PAH (18)	mg/kg	0.8	**5.2**	**1.6**
Total PAH (NEPM/WHO 16)	mg/kg	0.8	**5.2**	**1.6**

OC Pesticides in Soil [AN420] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH5/0.1 SOIL - 29/9/2023 SE254539.007
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	**0.1**	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1

PCBs in Soil [AN420] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH5/0.1 SOIL - 29/9/2023 SE254539.007
Arochlor 1016	mg/kg	0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.3 SOIL - 29/9/2023 SE254539.002	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH5/0.1 SOIL - 29/9/2023 SE254539.007
Arsenic, As	mg/kg	1	6	5	5	6	4
Cadmium, Cd	mg/kg	0.3	0.4	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	21	8.7	8.8	12	38
Copper, Cu	mg/kg	0.5	39	10	8.2	12	42
Lead, Pb	mg/kg	1	70	13	7	14	50
Nickel, Ni	mg/kg	0.5	17	3.1	1.7	3.0	42
Zinc, Zn	mg/kg	2	140	37	16	20	180

PARAMETER	UOM	LOR	BH5/0.5 SOIL - 29/9/2023 SE254539.008	QA1 SOIL - 29/9/2023 SE254539.009
Arsenic, As	mg/kg	1	6	6
Cadmium, Cd	mg/kg	0.3	<0.3	0.3
Chromium, Cr	mg/kg	0.5	8.5	11
Copper, Cu	mg/kg	0.5	35	39
Lead, Pb	mg/kg	1	40	57
Nickel, Ni	mg/kg	0.5	3.1	3.6
Zinc, Zn	mg/kg	2	71	89

Mercury in Soil [AN312] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.3 SOIL - 29/9/2023 SE254539.002	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH5/0.1 SOIL - 29/9/2023 SE254539.007
Mercury	mg/kg	0.05	**0.06**	<0.05	<0.05	<0.05	**0.06**

PARAMETER	UOM	LOR	BH5/0.5 SOIL - 29/9/2023 SE254539.008	QA1 SOIL - 29/9/2023 SE254539.009
Mercury	mg/kg	0.05	**0.06**	**0.07**

Moisture Content [AN002] Tested: 6/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.3 SOIL - 29/9/2023 SE254539.002	BH2/0.5 SOIL - 29/9/2023 SE254539.003	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH4/0.0 SOIL - 29/9/2023 SE254539.005
% Moisture	%w/w	1	**11.8**	**15.0**	**16.1**	**17.8**	**17.8**

PARAMETER	UOM	LOR	BH4/0.5 SOIL - 29/9/2023 SE254539.006	BH5/0.1 SOIL - 29/9/2023 SE254539.007	BH5/0.5 SOIL - 29/9/2023 SE254539.008	QA1 SOIL - 29/9/2023 SE254539.009
% Moisture	%w/w	1	**16.2**	**11.2**	**20.3**	**20.8**

Fibre Identification in soil [AS4964/AN602] Tested: 9/10/2023

PARAMETER	UOM	LOR	BH1/0.3 SOIL - 29/9/2023 SE254539.001	BH2/0.3 SOIL - 29/9/2023 SE254539.002	BH3/0.2 SOIL - 29/9/2023 SE254539.004	BH4/0.0 SOIL - 29/9/2023 SE254539.005	BH5/0.1 SOIL - 29/9/2023 SE254539.007
Asbestos Detected	No unit	-	Yes	No	No	No	No
Estimated Fibres*	%w/w	0.01	**>0.01**	<0.01	<0.01	<0.01	<0.01

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by AAS or ICP as per USEPA Method 200.8.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents.
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D). Total PAH calculated from individual analyte detections at or above the limit of reporting.
AN420	SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.
AN602/AS4964	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602/AS4964	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602/AS4964	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples, Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."
AN602/AS4964	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		
***	Indicates that both * and ** apply.				

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

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Telephone	61 2 95757755
Facsimile	(Not specified)
Email	mevans@metech.consulting
Project	**EP241 Bankstown**
Order Number	**EP241**
Samples	5

LABORATORY DETAILS

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SGS Reference	**SE254539 R0**
Date Received	29 Sep 2023
Date Reported	10 Oct 2023

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

No respirable fibres detected in all soil samples using trace analysis technique.
Sample #1:Chrysotile asbestos found in approx 14x10x4mm cement sheet fragment.
Asbestos analysed by Approved Identifier Yusuf Kuthpudin

SIGNATORIES

Ravee SIVASUBRAMANIAM
Hygiene Team Leader

RESULTS

Fibre Identification in soil — Method AS4964/AN602

Laboratory Reference	Client Reference	Matrix	Sample Description	Date Sampled	Fibre Identification	Est.%w/w*
SE254539.001	BH1/0.3	Soil	139g Clay, Sand, Rocks	29 Sep 2023	Chrysotile Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	>0.01
SE254539.002	BH2/0.3	Soil	131g Clay, Sand, Rocks	29 Sep 2023	No Asbestos Found at RL of 0.1g/kg	<0.01
SE254539.004	BH3/0.2	Soil	203g Clay, Sand, Rocks, Bitumen	29 Sep 2023	No Asbestos Found at RL of 0.1g/kg	<0.01
SE254539.005	BH4/0.0	Soil	152g Clay, Sand, Rocks, Bitumen	29 Sep 2023	No Asbestos Found at RL of 0.1g/kg	<0.01
SE254539.007	BH5/0.1	Soil	182g Sand, Soil, Rocks	29 Sep 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01

METHOD SUMMARY

SE254539 R0

METHOD	METHODOLOGY SUMMARY
AN602/AS4964	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602/AS4964	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602/AS4964	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples , Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."
AN602/AS4964	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable ’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

Amosite	-	Brown Asbestos	NA	-	Not Analysed
Chrysotile	-	White Asbestos	LNR	-	Listed, Not Required
Crocidolite	-	Blue Asbestos	*	-	NATA accreditation does not cover the performance of this service .
Amphiboles	-	Amosite and/or Crocidolite	**	-	Indicative data, theoretical holding time exceeded.
			***	-	Indicates that both * and ** apply.

(In reference to soil samples only) This report does not comply with the analytical reporting recommendations in the Western Australian Department of Health Guidelines for the Assessment and Remediation and Management of Asbestos Contaminated sites in Western Australia - May 2009.

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.

Where reported: 'Asbestos Detected': Asbestos detected by polarised light microscopy, including dispersion staining.
Where reported: 'No Asbestos Found': No Asbestos Found by polarised light microscopy, including dispersion staining.
Where reported: 'UMF Detected': Mineral fibres of unknown type detected by polarised light microscopy, including dispersion staining. Confirmation by another independent analytical technique may be necessary.

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos -containing bulk materials using polarised light microscopy. This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

STATEMENT OF QA/QC PERFORMANCE

SE254539 R0

CLIENT DETAILS

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Project	**EP241 Bankstown**
Order Number	**EP241**
Samples	9

LABORATORY DETAILS

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Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE254539 R0**
Date Received	29 Sep 2023
Date Reported	10 Oct 2023

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met with the exception of the following:

Duplicate	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
Matrix Spike	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item

SAMPLE SUMMARY

Sample counts by matrix	9 Soil	Type of documentation received	COC
Date documentation received	29/9/2023	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	7.3°C
Sample container provider	SGS	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice	Samples clearly labelled	Yes
Complete documentation received	Yes		

HOLDING TIME SUMMARY

SE254539 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Fibre Identification in soil

Method: ME-(AU)-[ENV]AS4964/AN602

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292475	29 Sep 2023	29 Sep 2023	28 Sep 2024	09 Oct 2023	28 Sep 2024	09 Oct 2023
BH2/0.3	SE254539.002	LB292475	29 Sep 2023	29 Sep 2023	28 Sep 2024	09 Oct 2023	28 Sep 2024	09 Oct 2023
BH3/0.2	SE254539.004	LB292475	29 Sep 2023	29 Sep 2023	28 Sep 2024	09 Oct 2023	28 Sep 2024	09 Oct 2023
BH4/0.0	SE254539.005	LB292475	29 Sep 2023	29 Sep 2023	28 Sep 2024	09 Oct 2023	28 Sep 2024	09 Oct 2023
BH5/0.1	SE254539.007	LB292475	29 Sep 2023	29 Sep 2023	28 Sep 2024	09 Oct 2023	28 Sep 2024	09 Oct 2023

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292701	29 Sep 2023	29 Sep 2023	27 Oct 2023	06 Oct 2023	27 Oct 2023	09 Oct 2023
BH2/0.3	SE254539.002	LB292701	29 Sep 2023	29 Sep 2023	27 Oct 2023	06 Oct 2023	27 Oct 2023	09 Oct 2023
BH2/0.5	SE254539.003	LB292701	29 Sep 2023	29 Sep 2023	27 Oct 2023	06 Oct 2023	27 Oct 2023	09 Oct 2023
BH3/0.2	SE254539.004	LB292701	29 Sep 2023	29 Sep 2023	27 Oct 2023	06 Oct 2023	27 Oct 2023	09 Oct 2023
BH5/0.1	SE254539.007	LB292701	29 Sep 2023	29 Sep 2023	27 Oct 2023	06 Oct 2023	27 Oct 2023	09 Oct 2023
BH5/0.5	SE254539.008	LB292701	29 Sep 2023	29 Sep 2023	27 Oct 2023	06 Oct 2023	27 Oct 2023	09 Oct 2023
QA1	SE254539.009	LB292701	29 Sep 2023	29 Sep 2023	27 Oct 2023	06 Oct 2023	27 Oct 2023	09 Oct 2023

Moisture Content

Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
BH2/0.3	SE254539.002	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
BH2/0.5	SE254539.003	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
BH3/0.2	SE254539.004	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
BH4/0.0	SE254539.005	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
BH4/0.5	SE254539.006	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
BH5/0.1	SE254539.007	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
BH5/0.5	SE254539.008	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023
QA1	SE254539.009	LB292699	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	11 Oct 2023	09 Oct 2023

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH2/0.5	SE254539.003	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH3/0.2	SE254539.004	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH4/0.0	SE254539.005	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH4/0.5	SE254539.006	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH5/0.1	SE254539.007	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH5/0.5	SE254539.008	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH2/0.5	SE254539.003	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH3/0.2	SE254539.004	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH4/0.0	SE254539.005	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH4/0.5	SE254539.006	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH5/0.1	SE254539.007	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH5/0.5	SE254539.008	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH2/0.5	SE254539.003	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH3/0.2	SE254539.004	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH4/0.0	SE254539.005	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH4/0.5	SE254539.006	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH5/0.1	SE254539.007	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023
BH5/0.5	SE254539.008	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	09 Oct 2023

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292700	29 Sep 2023	29 Sep 2023	27 Mar 2024	06 Oct 2023	27 Mar 2024	09 Oct 2023
BH2/0.3	SE254539.002	LB292700	29 Sep 2023	29 Sep 2023	27 Mar 2024	06 Oct 2023	27 Mar 2024	09 Oct 2023
BH2/0.5	SE254539.003	LB292700	29 Sep 2023	29 Sep 2023	27 Mar 2024	06 Oct 2023	27 Mar 2024	09 Oct 2023

HOLDING TIME SUMMARY

SE254539 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH3/0.2	SE254539.004	LB292700	29 Sep 2023	29 Sep 2023	27 Mar 2024	06 Oct 2023	27 Mar 2024	09 Oct 2023
BH5/0.1	SE254539.007	LB292700	29 Sep 2023	29 Sep 2023	27 Mar 2024	06 Oct 2023	27 Mar 2024	09 Oct 2023
BH5/0.5	SE254539.008	LB292700	29 Sep 2023	29 Sep 2023	27 Mar 2024	06 Oct 2023	27 Mar 2024	09 Oct 2023
QA1	SE254539.009	LB292700	29 Sep 2023	29 Sep 2023	27 Mar 2024	06 Oct 2023	27 Mar 2024	09 Oct 2023

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	10 Oct 2023
BH2/0.5	SE254539.003	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	10 Oct 2023
BH3/0.2	SE254539.004	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	10 Oct 2023
BH4/0.0	SE254539.005	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	10 Oct 2023
BH4/0.5	SE254539.006	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	10 Oct 2023
BH5/0.1	SE254539.007	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	10 Oct 2023
BH5/0.5	SE254539.008	LB292697	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	15 Nov 2023	10 Oct 2023

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH2/0.5	SE254539.003	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH3/0.2	SE254539.004	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH4/0.0	SE254539.005	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH4/0.5	SE254539.006	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH5/0.1	SE254539.007	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1/0.3	SE254539.001	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH2/0.5	SE254539.003	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH3/0.2	SE254539.004	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH4/0.0	SE254539.005	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH4/0.5	SE254539.006	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023
BH5/0.1	SE254539.007	LB292698	29 Sep 2023	29 Sep 2023	13 Oct 2023	06 Oct 2023	13 Oct 2023	09 Oct 2023

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	74
	BH5/0.1	SE254539.007	%	60 - 130%	78

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	BH1/0.3	SE254539.001	%	70 - 130%	98
	BH2/0.5	SE254539.003	%	70 - 130%	100
	BH3/0.2	SE254539.004	%	70 - 130%	101
	BH4/0.0	SE254539.005	%	70 - 130%	99
	BH4/0.5	SE254539.006	%	70 - 130%	98
	BH5/0.1	SE254539.007	%	70 - 130%	98
	BH5/0.5	SE254539.008	%	70 - 130%	98
d14-p-terphenyl (Surrogate)	BH1/0.3	SE254539.001	%	70 - 130%	108
	BH2/0.5	SE254539.003	%	70 - 130%	108
	BH3/0.2	SE254539.004	%	70 - 130%	110
	BH4/0.0	SE254539.005	%	70 - 130%	104
	BH4/0.5	SE254539.006	%	70 - 130%	105
	BH5/0.1	SE254539.007	%	70 - 130%	104
	BH5/0.5	SE254539.008	%	70 - 130%	104
d5-nitrobenzene (Surrogate)	BH1/0.3	SE254539.001	%	70 - 130%	93
	BH2/0.5	SE254539.003	%	70 - 130%	92
	BH3/0.2	SE254539.004	%	70 - 130%	95
	BH4/0.0	SE254539.005	%	70 - 130%	105
	BH4/0.5	SE254539.006	%	70 - 130%	105
	BH5/0.1	SE254539.007	%	70 - 130%	106
	BH5/0.5	SE254539.008	%	70 - 130%	105

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
TCMX (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	75
	BH5/0.1	SE254539.007	%	60 - 130%	86

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	90
	BH2/0.5	SE254539.003	%	60 - 130%	100
	BH3/0.2	SE254539.004	%	60 - 130%	80
	BH4/0.0	SE254539.005	%	60 - 130%	93
	BH4/0.5	SE254539.006	%	60 - 130%	94
	BH5/0.1	SE254539.007	%	60 - 130%	92
d4-1,2-dichloroethane (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	85
	BH2/0.5	SE254539.003	%	60 - 130%	91
	BH3/0.2	SE254539.004	%	60 - 130%	83
	BH4/0.0	SE254539.005	%	60 - 130%	88
	BH4/0.5	SE254539.006	%	60 - 130%	86
	BH5/0.1	SE254539.007	%	60 - 130%	88
d8-toluene (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	88
	BH2/0.5	SE254539.003	%	60 - 130%	96
	BH3/0.2	SE254539.004	%	60 - 130%	88
	BH4/0.0	SE254539.005	%	60 - 130%	91
	BH4/0.5	SE254539.006	%	60 - 130%	86
	BH5/0.1	SE254539.007	%	60 - 130%	86

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	90
	BH2/0.5	SE254539.003	%	60 - 130%	100
	BH3/0.2	SE254539.004	%	60 - 130%	80
	BH5/0.1	SE254539.007	%	60 - 130%	92
d4-1,2-dichloroethane (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	85
	BH2/0.5	SE254539.003	%	60 - 130%	91
	BH3/0.2	SE254539.004	%	60 - 130%	83

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d4-1,2-dichloroethane (Surrogate)	BH5/0.1	SE254539.007	%	60 - 130%	88
d8-toluene (Surrogate)	BH1/0.3	SE254539.001	%	60 - 130%	88
	BH2/0.5	SE254539.003	%	60 - 130%	96
	BH3/0.2	SE254539.004	%	60 - 130%	88
	BH5/0.1	SE254539.007	%	60 - 130%	86

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result
LB292701.001	Mercury	mg/kg	0.05	<0.05

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB292697.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	83

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB292697.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.8
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	106
		2-fluorobiphenyl (Surrogate)	%	-	96
		d14-p-terphenyl (Surrogate)	%	-	103

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB292697.001	Arochlor 1016	mg/kg	0.2	<0.2
	Arochlor 1221	mg/kg	0.2	<0.2
	Arochlor 1232	mg/kg	0.2	<0.2
	Arochlor 1242	mg/kg	0.2	<0.2
	Arochlor 1248	mg/kg	0.2	<0.2
	Arochlor 1254	mg/kg	0.2	<0.2

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PCBs in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB292697.001		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	TCMX (Surrogate)	%	-	83

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result
LB292700.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB292697.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB292698.001	Fumigants	2,2-dichloropropane	mg/kg	0.1	<0.1
		1,2-dichloropropane	mg/kg	0.1	<0.1
		cis-1,3-dichloropropene	mg/kg	0.1	<0.1
		trans-1,3-dichloropropene	mg/kg	0.1	<0.1
		1,2-dibromoethane (EDB)	mg/kg	0.1	<0.1
	Halogenated Aliphatics	Dichlorodifluoromethane (CFC-12)	mg/kg	1	<1
		Chloromethane	mg/kg	1	<1
		Vinyl chloride (Chloroethene)	mg/kg	0.1	<0.1
		Bromomethane	mg/kg	1	<1
		Chloroethane	mg/kg	1	<1
		Trichlorofluoromethane	mg/kg	1	<1
		1,1-dichloroethene	mg/kg	0.1	<0.1
		Iodomethane	mg/kg	5	<5
		Dichloromethane (Methylene chloride)	mg/kg	0.5	<0.5
		Allyl chloride	mg/kg	0.1	<0.1
		trans-1,2-dichloroethene	mg/kg	0.1	<0.1
		1,1-dichloroethane	mg/kg	0.1	<0.1
		cis-1,2-dichloroethene	mg/kg	0.1	<0.1
		Bromochloromethane	mg/kg	0.1	<0.1
		1,2-dichloroethane	mg/kg	0.1	<0.1
		1,1,1-trichloroethane	mg/kg	0.1	<0.1
		1,1-dichloropropene	mg/kg	0.1	<0.1
		Carbon tetrachloride	mg/kg	0.1	<0.1
		Dibromomethane	mg/kg	0.1	<0.1
		Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	<0.1
		1,1,2-trichloroethane	mg/kg	0.1	<0.1
		1,3-dichloropropane	mg/kg	0.1	<0.1
		Tetrachloroethene (Perchloroethylene,PCE)	mg/kg	0.1	<0.1
		1,1,1,2-tetrachloroethane	mg/kg	0.1	<0.1
		1,1,2,2-tetrachloroethane	mg/kg	0.1	<0.1
		1,2,3-trichloropropane	mg/kg	0.1	<0.1
		trans-1,4-dichloro-2-butene	mg/kg	1	<1
		1,2-dibromo-3-chloropropane	mg/kg	0.1	<0.1
		Hexachlorobutadiene	mg/kg	0.1	<0.1
	Halogenated Aromatics	Chlorobenzene	mg/kg	0.1	<0.1
		Bromobenzene	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB292698.001	Halogenated Aromatics	2-chlorotoluene	mg/kg	0.1	<0.1
		4-chlorotoluene	mg/kg	0.1	<0.1
		1,3-dichlorobenzene	mg/kg	0.1	<0.1
		1,4-dichlorobenzene	mg/kg	0.1	<0.1
		1,2-dichlorobenzene	mg/kg	0.1	<0.1
		1,2,4-trichlorobenzene	mg/kg	0.1	<0.1
		1,2,3-trichlorobenzene	mg/kg	0.1	<0.1
	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		Styrene (Vinyl benzene)	mg/kg	0.1	<0.1
		o-xylene	mg/kg	0.1	<0.1
		Isopropylbenzene (Cumene)	mg/kg	0.1	<0.1
		n-propylbenzene	mg/kg	0.1	<0.1
		1,3,5-trimethylbenzene	mg/kg	0.1	<0.1
		tert-butylbenzene	mg/kg	0.1	<0.1
		1,2,4-trimethylbenzene	mg/kg	0.1	<0.1
		sec-butylbenzene	mg/kg	0.1	<0.1
		p-isopropyltoluene	mg/kg	0.1	<0.1
		n-butylbenzene	mg/kg	0.1	<0.1
	Nitrogenous Compounds	Acrylonitrile	mg/kg	0.1	<0.1
		2-nitropropane	mg/kg	10	<10
	Oxygenated Compounds	Acetone (2-propanone)	mg/kg	10	<10
		MtBE (Methyl-tert-butyl ether)	mg/kg	0.1	<0.1
		Vinyl acetate*	mg/kg	10	<10
		MIBK (4-methyl-2-pentanone)	mg/kg	1	<1
		2-hexanone (MBK)	mg/kg	5	<5
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Sulphonated	Carbon disulfide	mg/kg	0.5	<0.5
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	83
		d8-toluene (Surrogate)	%	-	90
		Bromofluorobenzene (Surrogate)	%	-	100
	Totals	Total Other Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	<1.8
		Total Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	<1.8
		Total BTEX*	mg/kg	0.6	<0.6
	Trihalomethanes	Chloroform (THM)	mg/kg	0.1	<0.1
		Bromodichloromethane (THM)	mg/kg	0.1	<0.1
		Dibromochloromethane (THM)	mg/kg	0.1	<0.1
		Bromoform (THM)	mg/kg	0.1	<0.1

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB292698.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	83

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254615.003	LB292701.014	Mercury	mg/kg	0.05	0.05	0.06	120	15
SE254757.001	LB292701.019	Mercury	mg/kg	0.05	0.76	0.68	37	10

Moisture Content

Method: ME-(AU)-[ENV]AN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254539.004	LB292699.011	% Moisture	%w/w	1	17.8	18.6	35	4
SE254615.005	LB292699.022	% Moisture	%w/w	1	12.5	12.4	38	0
SE254757.001	LB292699.025	% Moisture	%w/w	1	15.8	15.7	36	1

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254757.001	LB292697.025	Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
		Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
		Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
		Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
		Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
		Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
		Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
		Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
		Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
		Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
		Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
		o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
		p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
		Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
		Endrin	mg/kg	0.2	<0.2	<0.2	200	0
		Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
		o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
		p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
		Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
		Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
		o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
		p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
		Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
		Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
		Mirex	mg/kg	0.1	<0.1	<0.1	200	0
		trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
		Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
		Total OC VIC EPA	mg/kg	1	<1	<1	200	0
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.12	0.14	30	14

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254539.005	LB292697.014	Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
		Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
		Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
		Phenanthrene	mg/kg	0.1	<0.1	<0.1	145	0
		Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
		Fluoranthene	mg/kg	0.1	0.2	0.1	96	3
		Pyrene	mg/kg	0.1	0.2	0.2	91	1
		Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	174	0
		Chrysene	mg/kg	0.1	<0.1	<0.1	139	0
		Benzo(b&j)fluoranthene	mg/kg	0.1	0.1	0.1	124	1
		Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
		Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	134	0
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	151	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254539.005	LB292697.014		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	0.1	0.1	126	6
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	54	1
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	0
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	0
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	0
SE254757.001	LB292697.025		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	4
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254757.001	LB292697.025		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	13

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254615.003	LB292700.014	Arsenic, As	mg/kg	1	38	50	32	27
		Cadmium, Cd	mg/kg	0.3	0.4	0.5	95	18
		Chromium, Cr	mg/kg	0.5	17	19	33	9
		Copper, Cu	mg/kg	0.5	120	98	30	19
		Nickel, Ni	mg/kg	0.5	9.0	6.6	36	32
		Lead, Pb	mg/kg	1	64	35	32	60 ②
		Zinc, Zn	mg/kg	2	90	75	32	18
SE254757.001	LB292700.019	Arsenic, As	mg/kg	1	2	2	84	3
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	5.7	5.4	39	5
		Copper, Cu	mg/kg	0.5	5.4	5.4	39	2

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254757.001	LB292700.019	Nickel, Ni	mg/kg	0.5	1.2	1.2	72	4
		Lead, Pb	mg/kg	1	16	15	36	5
		Zinc, Zn	mg/kg	2	25	25	38	1

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254757.001	LB292697.025		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254539.005	LB292698.014	Fumigants	2,2-dichloropropane	mg/kg	0.1	<0.1	<0.1	200	0
			1,2-dichloropropane	mg/kg	0.1	<0.1	<0.1	200	0
			cis-1,3-dichloropropene	mg/kg	0.1	<0.1	<0.1	200	0
			trans-1,3-dichloropropene	mg/kg	0.1	<0.1	<0.1	200	0
			1,2-dibromoethane (EDB)	mg/kg	0.1	<0.1	<0.1	200	0
		Halogenated	Dichlorodifluoromethane (CFC-12)	mg/kg	1	<1	<1	200	0
		Aliphatics	Chloromethane	mg/kg	1	<1	<1	200	0
			Vinyl chloride (Chloroethene)	mg/kg	0.1	<0.1	<0.1	200	0
			Bromomethane	mg/kg	1	<1	<1	200	0
			Chloroethane	mg/kg	1	<1	<1	200	0
			Trichlorofluoromethane	mg/kg	1	<1	<1	200	0
			1,1-dichloroethene	mg/kg	0.1	<0.1	<0.1	200	0
			Iodomethane	mg/kg	5	<5	<5	200	0
			Dichloromethane (Methylene chloride)	mg/kg	0.5	<0.5	<0.5	200	0
			Allyl chloride	mg/kg	0.1	<0.1	<0.1	200	0
			trans-1,2-dichloroethene	mg/kg	0.1	<0.1	<0.1	200	0
			1,1-dichloroethane	mg/kg	0.1	<0.1	<0.1	200	0
			cis-1,2-dichloroethene	mg/kg	0.1	<0.1	<0.1	200	0
			Bromochloromethane	mg/kg	0.1	<0.1	<0.1	200	0
			1,2-dichloroethane	mg/kg	0.1	<0.1	<0.1	200	0
			1,1,1-trichloroethane	mg/kg	0.1	<0.1	<0.1	200	0
			1,1-dichloropropene	mg/kg	0.1	<0.1	<0.1	200	0
			Carbon tetrachloride	mg/kg	0.1	<0.1	<0.1	200	0
			Dibromomethane	mg/kg	0.1	<0.1	<0.1	200	0
			Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	<0.1	<0.1	200	0
			1,1,2-trichloroethane	mg/kg	0.1	<0.1	<0.1	200	0
			1,3-dichloropropane	mg/kg	0.1	<0.1	<0.1	200	0
			Tetrachloroethene (Perchloroethylene,PCE)	mg/kg	0.1	<0.1	<0.1	200	0
			1,1,1,2-tetrachloroethane	mg/kg	0.1	<0.1	<0.1	200	0
			1,1,2,2-tetrachloroethane	mg/kg	0.1	<0.1	<0.1	200	0
			1,2,3-trichloropropane	mg/kg	0.1	<0.1	<0.1	200	0
			trans-1,4-dichloro-2-butene	mg/kg	1	<1	<1	200	0
			1,2-dibromo-3-chloropropane	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobutadiene	mg/kg	0.1	<0.1	<0.1	200	0
		Halogenated	Chlorobenzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatics	Bromobenzene	mg/kg	0.1	<0.1	<0.1	200	0
			2-chlorotoluene	mg/kg	0.1	<0.1	<0.1	200	0
			4-chlorotoluene	mg/kg	0.1	<0.1	<0.1	200	0
			1,3-dichlorobenzene	mg/kg	0.1	<0.1	<0.1	200	0
			1,4-dichlorobenzene	mg/kg	0.1	<0.1	<0.1	200	0
			1,2-dichlorobenzene	mg/kg	0.1	<0.1	<0.1	200	0
			1,2,4-trichlorobenzene	mg/kg	0.1	<0.1	<0.1	200	0
			1,2,3-trichlorobenzene	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254539.005	LB292698.014	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			Styrene (Vinyl benzene)	mg/kg	0.1	<0.1	<0.1	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
			Isopropylbenzene (Cumene)	mg/kg	0.1	<0.1	<0.1	200	0
			n-propylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			1,3,5-trimethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			tert-butylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			1,2,4-trimethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			sec-butylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			p-isopropyltoluene	mg/kg	0.1	<0.1	<0.1	200	0
			n-butylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
		Nitrogenous	Acrylonitrile	mg/kg	0.1	<0.1	<0.1	200	0
		Compounds	2-nitropropane	mg/kg	10	<10	<10	200	0
		Oxygenated	Acetone (2-propanone)	mg/kg	10	<10	<10	200	0
		Compounds	MtBE (Methyl-tert-butyl ether)	mg/kg	0.1	<0.1	<0.1	200	0
			Vinyl acetate*	mg/kg	10	<10	<10	200	0
			MIBK (4-methyl-2-pentanone)	mg/kg	1	<1	<1	200	0
			2-hexanone (MBK)	mg/kg	5	<5	<5	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Sulphonated	Carbon disulfide	mg/kg	0.5	<0.5	<0.5	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.8	8.9	50	1
			d8-toluene (Surrogate)	mg/kg	-	9.1	9.2	50	1
			Bromofluorobenzene (Surrogate)	mg/kg	-	9.3	9.3	50	0
		Totals	Total Other Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	<1.8	<1.8	200	0
			Total Chlorinated Hydrocarbons VIC EPA*	mg/kg	1.8	<1.8	<1.8	200	0
			Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Volatile Chlorinated Hydrocarbons*	mg/kg	3	<3.0	<3.0	200	0
			Total VOC*	mg/kg	24	<24	<24	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
		Trihalomethan	Chloroform (THM)	mg/kg	0.1	<0.1	<0.1	200	0
		es	Bromodichloromethane (THM)	mg/kg	0.1	<0.1	<0.1	200	0
			Dibromochloromethane (THM)	mg/kg	0.1	<0.1	<0.1	200	0
			Bromoform (THM)	mg/kg	0.1	<0.1	<0.1	200	0
SE254757.001	LB292698.019	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.2	8.0	50	2
			d8-toluene (Surrogate)	mg/kg	-	8.5	7.9	50	7
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.3	8.7	50	5
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE254757.001	LB292698.019		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.2	8.0	50	2
			d8-toluene (Surrogate)	mg/kg	-	8.5	7.9	50	7
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.3	8.7	50	5
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292701.002	Mercury	mg/kg	0.05	0.21	0.2	80 - 120	105

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292697.002		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	89
		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	91
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	91
		Dieldrin	mg/kg	0.2	<0.2	0.2	60 - 140	92
		Endrin	mg/kg	0.2	<0.2	0.2	60 - 140	91
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	86
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.13	0.15	40 - 130	85

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292697.002		Naphthalene	mg/kg	0.1	3.9	4	60 - 140	97
		Acenaphthylene	mg/kg	0.1	3.9	4	60 - 140	98
		Acenaphthene	mg/kg	0.1	4.1	4	60 - 140	102
		Phenanthrene	mg/kg	0.1	4.0	4	60 - 140	100
		Anthracene	mg/kg	0.1	4.1	4	60 - 140	101
		Fluoranthene	mg/kg	0.1	3.8	4	60 - 140	96
		Pyrene	mg/kg	0.1	3.9	4	60 - 140	98
		Benzo(a)pyrene	mg/kg	0.1	3.9	4	60 - 140	99
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	105
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	99
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	106

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292697.002	Arochlor 1260	mg/kg	0.2	0.4	0.4	60 - 140	101

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292700.002	Arsenic, As	mg/kg	1	350	318.22	80 - 120	111
	Cadmium, Cd	mg/kg	0.3	4.5	4.81	70 - 130	94
	Chromium, Cr	mg/kg	0.5	45	38.31	80 - 120	116
	Copper, Cu	mg/kg	0.5	330	290	80 - 120	115
	Nickel, Ni	mg/kg	0.5	200	187	80 - 120	104
	Lead, Pb	mg/kg	1	94	89.9	80 - 120	104
	Zinc, Zn	mg/kg	2	290	273	80 - 120	107

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292697.002		TRH C10-C14	mg/kg	20	36	40	60 - 140	91
		TRH C15-C28	mg/kg	45	<45	40	60 - 140	80
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	93
	TRH F Bands	TRH >C10-C16	mg/kg	25	40	40	60 - 140	101
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	87
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	108

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292698.002	Halogenated Aliphatics	1,1-dichloroethene	mg/kg	0.1	3.7	5	60 - 140	73
		1,2-dichloroethane	mg/kg	0.1	4.8	5	60 - 140	96
		Trichloroethene (Trichloroethylene,TCE)	mg/kg	0.1	4.6	5	60 - 140	92
	Halogenated Monocyclic Aromatic	Chlorobenzene	mg/kg	0.1	5.6	5	60 - 140	113
		Benzene	mg/kg	0.1	4.0	5	60 - 140	80
		Toluene	mg/kg	0.1	4.3	5	60 - 140	85
		Ethylbenzene	mg/kg	0.1	4.8	5	60 - 140	95
		m/p-xylene	mg/kg	0.2	9.6	10	60 - 140	96
		o-xylene	mg/kg	0.1	4.9	5	60 - 140	99

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292698.002	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.6	10	70 - 130	86
		d8-toluene (Surrogate)	mg/kg	-	8.9	10	70 - 130	89
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10	70 - 130	103
	Trihalomethan	Chloroform (THM)	mg/kg	0.1	5.0	5	60 - 140	99

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB292698.002		TRH C6-C10	mg/kg	25	85	92.5	60 - 140	92
		TRH C6-C9	mg/kg	20	73	80	60 - 140	92
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.6	10	70 - 130	86
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10	70 - 130	103
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	58	62.5	60 - 140	92

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254539.001	LB292701.004	Mercury	mg/kg	0.05	0.23	0.06	0.2	86

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254538.001	LB292697.004	Alpha BHC	mg/kg	0.1	<0.1	<0.1	-	-
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	-	-
		Beta BHC	mg/kg	0.1	<0.1	<0.1	-	-
		Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	-	-
		Delta BHC	mg/kg	0.1	0.1	<0.1	0.2	60
		Heptachlor	mg/kg	0.1	0.1	<0.1	0.2	66
		Aldrin	mg/kg	0.1	0.1	<0.1	0.2	62
		Isodrin	mg/kg	0.1	<0.1	<0.1	-	-
		Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	-	-
		Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
		Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
		Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
		o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	-	-
		p,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
		Dieldrin	mg/kg	0.2	<0.2	<0.2	0.2	65
		Endrin	mg/kg	0.2	<0.2	<0.2	0.2	60
		Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
		o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	-	-
		p,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-
		Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	-	-
		Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	-	-
		o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	-	-
		p,p'-DDT	mg/kg	0.1	0.2	<0.1	0.2	76
		Endrin ketone	mg/kg	0.1	<0.1	<0.1	-	-
		Methoxychlor	mg/kg	0.1	<0.1	<0.1	-	-
		Mirex	mg/kg	0.1	<0.1	<0.1	-	-
		trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	-	-
		Total CLP OC Pesticides	mg/kg	1	<1	<1	-	-
		Total OC VIC EPA	mg/kg	1	<1	<1	-	-
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.11	0.12	-	73

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254538.001	LB292697.004	Naphthalene	mg/kg	0.1	3.8	<0.1	4	95
		2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
		1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
		Acenaphthylene	mg/kg	0.1	3.8	<0.1	4	94
		Acenaphthene	mg/kg	0.1	4.0	<0.1	4	99
		Fluorene	mg/kg	0.1	<0.1	<0.1	-	-
		Phenanthrene	mg/kg	0.1	3.8	<0.1	4	95
		Anthracene	mg/kg	0.1	3.8	<0.1	4	95
		Fluoranthene	mg/kg	0.1	3.8	<0.1	4	93
		Pyrene	mg/kg	0.1	3.8	<0.1	4	94
		Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
		Chrysene	mg/kg	0.1	<0.1	<0.1	-	-
		Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
		Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
		Benzo(a)pyrene	mg/kg	0.1	3.9	<0.1	4	97
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	-	-
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
		Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	-	-
		Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	3.9	<0.2	-	-
		Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	3.9	<0.2	-	-
		Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	4.0	<0.3	-	-
		Total PAH (18)	mg/kg	0.8	31	<0.8	-	-

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254538.001	LB292697.004	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	-	91
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	103
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	100

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254539.001	LB292700.004	Arsenic, As	mg/kg	1	53	6	50	95
		Cadmium, Cd	mg/kg	0.3	47	0.4	50	92
		Chromium, Cr	mg/kg	0.5	64	21	50	86
		Copper, Cu	mg/kg	0.5	82	39	50	85
		Nickel, Ni	mg/kg	0.5	51	17	50	69 ④
		Lead, Pb	mg/kg	1	110	70	50	85
		Zinc, Zn	mg/kg	2	170	140	50	71

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254538.001	LB292697.004		TRH C10-C14	mg/kg	20	45	<20	40	112
			TRH C15-C28	mg/kg	45	48	<45	40	120
			TRH C29-C36	mg/kg	45	47	<45	40	116
			TRH C37-C40	mg/kg	100	<100	<100	-	-
			TRH C10-C36 Total	mg/kg	110	140	<110	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	-	-
		TRH F Bands	TRH >C10-C16	mg/kg	25	49	<25	40	123
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	49	<25	-	-
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	40	139
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	-	-

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254538.001	LB292698.004	Monocyclic Aromatic	Benzene	mg/kg	0.1	4.8	<0.1	5	96
			Toluene	mg/kg	0.1	5.0	<0.1	5	100
			Ethylbenzene	mg/kg	0.1	5.2	<0.1	5	104
			m/p-xylene	mg/kg	0.2	10	<0.2	10	105
			o-xylene	mg/kg	0.1	5.4	<0.1	5	108
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.4	8.3	10	84
			d8-toluene (Surrogate)	mg/kg	-	7.4	8.7	10	74
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.9	9.3	10	89
		Totals	Total BTEX*	mg/kg	0.6	31	<0.6	-	-
			Total Xylenes*	mg/kg	0.3	16	<0.3	-	-

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE254538.001	LB292698.004		TRH C6-C10	mg/kg	25	92	<25	92.5	99
			TRH C6-C9	mg/kg	20	81	<20	80	101
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.4	8.3	10	84
			d8-toluene (Surrogate)	mg/kg	-	7.4	8.7	10	74
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.9	9.3	-	89
		VPH F Bands	Benzene (F0)	mg/kg	0.1	4.8	<0.1	-	-
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	61	<25	62.5	98

MATRIX SPIKE DUPLICATES

SE254539 R0

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

No matrix spike duplicates were required for this job.

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.

SGS

CHAIN OF CUSTODY & ANALYSIS REQUEST

Page 1 of 3

SGS Environmental Services
Unit 16, 33 Maddox Street
Alexandria NSW 2015
Telephone No: (02) 85940400
Facsimile No: (02) 85940499
Email: au.samplereceipt.sydney@sgs.com

Company Name:	METECH CONSULTING PTY LTD	Project Name/No:	Bankstown
Address:	LEVEL 2, 29 KIORA RD	Purchase Order No:	EP241
	MIRANDA NSW 2228	Results Required By:	5 Day
		Telephone:	(02) 9575 7755
Contact Name:	Michael Evans	Facsimile:	-
		Email Results:	mevans@metech.consulting

Client Sample ID	Date Sampled	Lab Sample ID	WATER	SOIL	PRESERVATIVE	NO OF CONTAINERS	Asbestos Identification (soil)	CL2: 8 Metals	CL10: TRH C6-C40 / BTEXN / PAH / Metals (8)	CL16: TRH C6-C40 / BTEXN / PAH / OC / PCB / Metals (8)	PAH	VOC	HOLD
BH1/0.3	29.9.23	1		X		2	X			X			
BH1/0.5	↓			↓		1							X
BH1/1.0						1							X
BH2/0.3		2				2	X	X					
BH2/0.5		3				1			X				
BH2/1.0	↓			↓		1							X

SGS EHS Sydney COC
SE254539

Relinquished By: M. Evans	Date/Time: 29.9.23 11.30am	Received By:	Date/Time 29/09/23 @ 10:30
Relinquished By:	Date/Time:	Received By:	Date/Time
Samples Intact: ~~Yes~~/ ~~No~~	Temperature: ~~Ambient~~ / Chilled	Sample Cooler Sealed: Yes/ No	Laboratory Quotation No:

SGS

CHAIN OF CUSTODY & ANALYSIS REQUEST

SGS Environmental Services
Unit 16, 33 Maddox Street
Alexandria NSW 2015
Telephone No: (02) 85940400
Facsimile No: (02) 85940499
Email: au.samplereceipt.sydney@sgs.com

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	MIRANDA NSW 2228	Results Required By:	5 Day
		Telephone:	(02) 9575 7755
Contact Name:	Michael Evans	Facsimile:	-
		Email Results:	mevans@metech.consulting

Client Sample ID	Date Sampled	Lab Sample ID	WATER	SOIL	PRESERVATIVE	NO OF CONTAINERS	Asbestos Identification (soil)	CL2: 8 Metals	CL10: TRH C6-C40 / BTEXN / PAH / Metals (8)	CL16: TRH C6-C40 / BTEXN / PAH / OC / PCB / Metals (8)	PAH	VOC	HOLD
BH3/0.2	29.9.23	4		X		2	X		X				
BH3/0.5	↓			↓		1							X
BH3/1.0						1							X
BH4/0.0		5				2	X				X	X	
BH4/0.5		6				1					X	X	
BH4/1.0	↓			↓		1							X

Relinquished By: M. Evans	Date/Time: 29.9.23 11.30am	Received By:	Date/Time 29/09/23 @10:30
Relinquished By:	Date/Time:	Received By:	Date/Time
Samples Intact: **Yes**/ ~~No~~	Temperature: ~~Ambient~~ / **Chilled**	Sample Cooler Sealed: Yes/ No	Laboratory Quotation No:

SGS

CHAIN OF CUSTODY & ANALYSIS REQUEST

SGS Environmental Services
Unit 16, 33 Maddox Street
Alexandria NSW 2015
Telephone No: (02) 85940400
Facsimile No: (02) 85940499
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Company Name:	METECH CONSULTING PTY LTD	Project Name/No:	Bankstown
Address:	LEVEL 2, 29 KIORA RD	Purchase Order No:	EP241
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Contact Name:	Michael Evans	Facsimile:	-
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Client Sample ID	Date Sampled	Lab Sample ID	WATER	SOIL	PRESERVATIVE	NO OF CONTAINERS	Asbestos Identification (soil)	CL2: 8 Metals	CL10: TRH C6-C40 / BTEXN / PAH / Metals (8)	CL16: TRH C6-C40 / BTEXN / PAH / OC / PCB / Metals (8)	PAH	VOC
BH5/0.1	29.9.23	7		X		2	X			X		
BH5/0.5	↓	8		↓		1		X			X	
BH5/1.0						1						
QA1	↓	9		↓		1		X				

Relinquished By: M. Evans	Date/Time: 29.9.23 11:30am	Received By: [signature]	Date/Time 29/09/23 @10:30
Relinquished By: [signature]	Date/Time:	Received By:	Date/Time
Samples Intact: **Yes**/ ~~No~~	Temperature: ~~Ambient~~ / **Chilled**	Sample Cooler Sealed: Yes/ No	Laboratory Quotation No:

SAMPLE RECEIPT ADVICE

SE254539

CLIENT DETAILS

Contact	Michael Evans
Client	METECH CONSULTING PTY LTD
Address	PO BOX 1184 SUTHERLAND NSW 1499
Telephone	61 2 95757755
Facsimile	(Not specified)
Email	mevans@metech.consulting
Project	**EP241 Bankstown**
Order Number	**EP241**
Samples	9

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
Samples Received	Fri 29/9/2023
Report Due	Mon 9/10/2023
SGS Reference	**SE254539**

SUBMISSION DETAILS

This is to confirm that 9 samples were received on Friday 29/9/2023. Results are expected to be ready by COB Monday 9/10/2023. Please quote SGS reference SE254539 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Sample counts by matrix	9 Soil	Type of documentation received	COC
Date documentation received	29/9/2023	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	7.3°C
Sample container provider	SGS	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice	Samples clearly labelled	Yes
Complete documentation received	Yes		

Unless otherwise instructed, water and bulk samples will be held for one month from date of report, and soil samples will be held for two months.

COMMENTS

7 Soil samples have been placed on hold as no tests have been assigned for them by the client. These samples will not be processed.

SAMPLE RECEIPT ADVICE

SE254539

CLIENT DETAILS

Client METECH CONSULTING PTY LTD

Project EP241 Bankstown

SUMMARY OF ANALYSIS

No.	Sample ID	OC Pesticides in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	PCBs in Soil	Total Recoverable Elements in Soil/Waste	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
001	BH1/0.3	30	26	11	7	10	11	7
002	BH2/0.3	-	-	-	7	-	-	-
003	BH2/0.5	-	26	-	7	10	11	7
004	BH3/0.2	-	26	-	7	10	11	7
005	BH4/0.0	-	26	-	-	-	79	-
006	BH4/0.5	-	26	-	-	-	79	-
007	BH5/0.1	30	26	11	7	10	11	7
008	BH5/0.5	-	26	-	7	-	-	-
009	QA1	-	-	-	7	-	-	-

CONTINUED OVERLEAF

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

SAMPLE RECEIPT ADVICE

SE254539

CLIENT DETAILS

Client METECH CONSULTING PTY LTD

Project EP241 Bankstown

SUMMARY OF ANALYSIS

No.	Sample ID	Fibre Identification in soil	Mercury in Soil	Moisture Content
001	BH1/0.3	2	1	1
002	BH2/0.3	2	1	1
003	BH2/0.5	-	1	1
004	BH3/0.2	2	1	1
005	BH4/0.0	2	-	1
006	BH4/0.5	-	-	1
007	BH5/0.1	2	1	1
008	BH5/0.5	-	1	1
009	QA1	-	1	1

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

Metech Consulting Pty Ltd
PO Box 1184
Sutherland
NSW 1499

NATA Accredited
Accreditation Number 1261
Site Number 20794

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Michael Evans**

Report **1038318-TO**
Project name BANKSTOWN
Project ID EP241
Received Date Oct 25, 2023

Client Sample ID			**SV1**
Sample Matrix			**1L Passivated Canister**
Eurofins Sample No.			**B23-Oc0061619**
Date Sampled			**Oct 24, 2023**
Receipt Vac./Pressure (inHg)			**11**
Final Pressure (psi)			**15**
Test/Reference	LOR	Unit	
Dilution Factor	0.1		3.2
US EPA Compendium Methods TO-15			
1.1-Dichloroethane	2	ug/m3	< 6
1.1-Dichloroethene	2	ug/m3	< 6
1.1.1-Trichloroethane	2.7	ug/m3	< 9
1.1.2-Trichloroethane	2.7	ug/m3	< 9
1.1.2.2-Tetrachloroethane	3.4	ug/m3	< 11
1.2-Dibromoethane (EDB)	3.6	ug/m3	< 11
1.2-Dichlorobenzene	3	ug/m3	< 10
1.2-Dichloroethane	2	ug/m3	< 6
1.2-Dichloropropane	2.3	ug/m3	53
1.2.4-Trichlorobenzene	15	ug/m3	< 48
1.2.4-Trimethylbenzene	2.5	ug/m3	19
1.3-Butadiene	2.2	ug/m3	< 4
1.3-Dichlorobenzene	3	ug/m3	< 10
1.3.5-Trimethylbenzene	2.5	ug/m3	< 8
1.4-Dichlorobenzene	3	ug/m3	< 10
1.4-Dioxane	7.2	ug/m3	< 23
2-Butanone (Methyl Ethyl Ketone)	5.9	ug/m3	< 19
2-Hexanone	8.2	ug/m3	< 26
2.2.4-Trimethylpentane	9.3	ug/m3	< 30
3-Chloropropene	1.6	ug/m3	< 20
4-Ethyltoluene	2.5	ug/m3	17
4-Methyl-2-Pentanone (MIBK)	2.1	ug/m3	< 7
Acetone	16.6	ug/m3	1600
Benzene	1.6	ug/m3	320
Bromodichloromethane	3.4	ug/m3	< 11
Bromoform	5.2	ug/m3	< 17
Bromomethane	19.4	ug/m3	< 62
Carbon Disulfide	15.6	ug/m3	40
Carbon Tetrachloride	3.1	ug/m3	< 10
Chlorobenzene	2.3	ug/m3	< 7

Client Sample ID			SV1
Sample Matrix			1L Passivated Canister
Eurofins Sample No.			B23-Oc0061619
Date Sampled			Oct 24, 2023
Receipt Vac./Pressure (inHg)			11
Final Pressure (psi)			15
Test/Reference	LOR	Unit	
US EPA Compendium Methods TO-15			
Chloroethane	5.3	ug/m3	< 17
Chloroform	2.4	ug/m3	< 8
Chloromethane	10.3	ug/m3	< 33
Chlorotoluene (Benzyl Chloride)	2.6	ug/m3	< 8
cis-1.2-Dichloroethene	2	ug/m3	< 6
cis-1.3-Dichloropropene	2.3	ug/m3	< 7
Cyclohexane	3.5	ug/m3	2000
Dibromochloromethane	4.3	ug/m3	< 14
Methylene Chloride	17.4	ug/m3	< 56
Ethanol	9.4	ug/m3	360
Ethylbenzene	2.2	ug/m3	93
Freon 11 (Trichlorofluoromethane)	2.8	ug/m3	< 9
Freon 113 (Trichlorotrifluoroethane)	3.8	ug/m3	< 12
Freon 114	3.5	ug/m3	< 11
Freon 12 (Dichlorodifluoromethane)	2.5	ug/m3	< 8
Heptane	2.1	ug/m3	1600
Hexachlorobutadiene	21.3	ug/m3	< 68
Hexane	5	ug/m3	1900
Isopropanol	50	ug/m3	< 157
m.p-Xylene	4.4	ug/m3	210
Xylenes - Total*	6.6	ug/m3	300
Methyl t-Butyl Ether (MTBE)	7.2	ug/m3	< 23
Naphthalene	10.5	ug/m3	< 34
o-Xylene	2.2	ug/m3	89
Propylene	8.6	ug/m3	< 28
Styrene	2.1	ug/m3	< 7
Tetrachloroethene	3.4	ug/m3	3900
Tetrahydrofuran	1.5	ug/m3	< 5
Toluene	7.5	ug/m3	650
trans-1.2-Dichloroethene	2	ug/m3	< 6
trans-1.3-Dichloropropene	2.3	ug/m3	< 7
Trichloroethene	2.7	ug/m3	< 9
Vinyl Acetate	7.0	ug/m3	< 23
Vinyl Chloride	2.5	ug/m3	< 8
4-Bromofluorobenzene (surr.)	1	%	82
CRC CARE TR 23 PVI			
>C6-C10	100	ug/m3	36000
>C6-C10 TRH minus BTEX (F1)	100	ug/m3	35000
>C10-C12 minus Naphthalene (mod F2)	100	ug/m3	< 160
>C10-C12	100	ug/m3	< 160

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
US EPA Compendium Methods TO-15	Brisbane	Oct 26, 2023	0 Day
- Method: SOP #6 Analysis of Volatile Organic Compounds in Summa Polished Canisters EPA Method TO-15 And Modified EPA Method TO-14A			
CRC CARE TR 23 PVI	Brisbane	Oct 26, 2023	0 Day
- Method: SOP #111 TPH, NMOC, and TVH Hydrocarbon Fractionation Calculations from EPA Methods TO-14A/TO-15			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: Metech Consulting Pty Ltd
Address: PO Box 1184
Sutherland
NSW 1499

Project Name: BANKSTOWN
Project ID: EP241

Order No.: EP241
Report #: 1038318
Phone: (02)9575 7755
Fax:

Received: Oct 25, 2023 9:00 AM
Due: Nov 1, 2023
Priority: 5 Day
Contact Name: Michael Evans

Eurofins Analytical Services Manager : Bonnie Pu

Sample Detail						Canister Certification and Supply fee	Dilution Factor	Final Pressure (psi)	Receipt Vac./Pressure (in Hg)	AirToxics Extended Suite 2: US EPA Compendium Methods TO-14a TO-15/CRC
Brisbane Laboratory - NATA # 1261 Site # 20794						X	X	X	X	X
External Laboratory										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**					
1	SV1	Oct 24, 2023	2:15PM	1L Passivated Canister	B23-Oc0061619	X	X	X	X	X
Test Counts						1	1	1	1	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. Dilutions are performed on samples due to the presence of high level target species or the presence of high level non-target species.
3. Results are uncorrected for surrogate recoveries.
4. All QC limit exceedances and affected sample results are noted by flags. Each qualifying flag is defined below in section entitled ‘Definition of Data Qualifying Flags’ and additionally on individual sample results (where relevant).
5. “100% certification" is defined as evaluating the sampling system with humid zero air/N2 and humid calibration gases that pass through all active components of the sampling system. The system is "100% certified" if no significant additions or deletions (less than 0.2 ppbv each of target compounds) have occurred when challenged with the test gas stream.
6. The conversion equation from ppbv to g/m3 uses a temperature of 25 °C and an ambient sea level atmospheric pressure of 1 atmosphere (101.325 kPa) is assumed.
7. All canister samples are only analysed once temperature equilibrium with the laboratory has been achieved.
8. Safe Sampling Volume (SSV) - calculated by taking two-thirds of the breakthrough volume (direct method) and Appendix 1 of Method T0-17.
9. Samples were analysed on an 'as received' basis.
10. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
11. This report replaces any interim results previously issued.

Definition of Data Qualifying Flags

Qualifiers may have been used on the data analysis sheets and indicates as follows:

A01 Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

A02 Estimated value.

A03 Exceeds instrument calibration range.

A04 Saturated peak.

A05 Exceeds quality control limits.

A06 Compound analysed for but not detected above the Limit of Reporting (LOR). See data page for project specific U-flag definition.

A07 Non-detected compound associated with low bias in the CCV.

A08 The identification is based on presumptive evidence.

A09 SSV has been exceeded for this compound. It is likely that this compound has been underestimated.

A10 LORs cited do not take into account sample dilution due to canister pressurisation.

A11 Naphthalene elutes outside the >C10-C12 range on the system used for sample analysis. As a result, >C10-C12 TRH value is equivalent to the modified F2 value.

Holding Times

Under conditions of normal usage for sampling ambient air, most Volatile Organic Compounds (VOCs) can be recovered from canisters near their original concentrations after storage times of up to thirty days. For thermal desorption tubes (TDT) samples should be refrigerated at <4°C in a clean environment during storage and analysed within 30 days of sample collection (within one week for limonene, carene, bis-chloromethyl ether and labile sulfur or nitrogen containing volatiles).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

ppbv: parts per billion by volume

ug/m3: micrograms per cubic metre

kPa: kilopascal

psig: pounds per square inch gauge

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
US EPA Compendium Methods TO-15							
1.1-Dichloroethane	ug/m3	< 2			2	Pass	
1.1-Dichloroethene	ug/m3	< 2			2	Pass	
1.1.1-Trichloroethane	ug/m3	< 2.7			2.7	Pass	
1.1.2-Trichloroethane	ug/m3	< 2.7			2.7	Pass	
1.1.2.2-Tetrachloroethane	ug/m3	< 3.4			3.4	Pass	
1.2-Dibromoethane (EDB)	ug/m3	< 3.6			3.6	Pass	
1.2-Dichlorobenzene	ug/m3	< 3			3	Pass	
1.2-Dichloroethane	ug/m3	< 2			2	Pass	
1.2-Dichloropropane	ug/m3	< 2.3			2.3	Pass	
1.2.4-Trichlorobenzene	ug/m3	< 15			15	Pass	
1.2.4-Trimethylbenzene	ug/m3	< 2.5			2.5	Pass	
1.3-Butadiene	ug/m3	< 2.2			2.2	Pass	
1.3-Dichlorobenzene	ug/m3	< 3			3	Pass	
1.3.5-Trimethylbenzene	ug/m3	< 2.5			2.5	Pass	
1.4-Dichlorobenzene	ug/m3	< 3			3	Pass	
1.4-Dioxane	ug/m3	< 7.2			7.2	Pass	
2-Butanone (Methyl Ethyl Ketone)	ug/m3	< 5.9			5.9	Pass	
2-Hexanone	ug/m3	< 8.2			8.2	Pass	
2.2.4-Trimethylpentane	ug/m3	< 9.3			9.3	Pass	
3-Chloropropene	ug/m3	< 1.6			1.6	Pass	
4-Ethyltoluene	ug/m3	< 2.5			2.5	Pass	
4-Methyl-2-Pentanone (MIBK)	ug/m3	< 2.1			2.1	Pass	
Acetone	ug/m3	< 16.6			16.6	Pass	
Benzene	ug/m3	< 1.6			1.6	Pass	
Bromodichloromethane	ug/m3	< 3.4			3.4	Pass	
Bromoform	ug/m3	< 5.2			5.2	Pass	
Bromomethane	ug/m3	< 19.4			19.4	Pass	
Carbon Disulfide	ug/m3	< 15.6			15.6	Pass	
Carbon Tetrachloride	ug/m3	< 3.1			3.1	Pass	
Chlorobenzene	ug/m3	< 2.3			2.3	Pass	
Chloroethane	ug/m3	< 5.3			5.3	Pass	
Chloroform	ug/m3	< 2.4			2.4	Pass	
Chloromethane	ug/m3	< 10.3			10.3	Pass	
Chlorotoluene (Benzyl Chloride)	ug/m3	< 2.6			2.6	Pass	
cis-1.2-Dichloroethene	ug/m3	< 2			2	Pass	
cis-1.3-Dichloropropene	ug/m3	< 2.3			2.3	Pass	
Cyclohexane	ug/m3	< 3.5			3.5	Pass	
Dibromochloromethane	ug/m3	< 4.3			4.3	Pass	
Methylene Chloride	ug/m3	< 17.4			17.4	Pass	
Ethanol	ug/m3	< 9.4			9.4	Pass	
Ethylbenzene	ug/m3	< 2.2			2.2	Pass	
Freon 11 (Trichlorofluoromethane)	ug/m3	< 2.8			2.8	Pass	
Freon 113 (Trichlorotrifluoroethane)	ug/m3	< 3.8			3.8	Pass	
Freon 114	ug/m3	< 3.5			3.5	Pass	
Freon 12 (Dichlorodifluoromethane)	ug/m3	< 2.5			2.5	Pass	
Heptane	ug/m3	< 2.1			2.1	Pass	
Hexachlorobutadiene	ug/m3	< 21.3			21.3	Pass	
Hexane	ug/m3	< 5			5	Pass	
Isopropanol	ug/m3	< 50			50	Pass	
m.p-Xylene	ug/m3	< 4.4			4.4	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Xylenes - Total*	ug/m3	< 6.6			6.6	Pass	
Methyl t-Butyl Ether (MTBE)	ug/m3	< 7.2			7.2	Pass	
Naphthalene	ug/m3	< 10.5			10.5	Pass	
o-Xylene	ug/m3	< 2.2			2.2	Pass	
Propylene	ug/m3	< 8.6			8.6	Pass	
Styrene	ug/m3	< 2.1			2.1	Pass	
Tetrachloroethene	ug/m3	< 3.4			3.4	Pass	
Tetrahydrofuran	ug/m3	< 1.5			1.5	Pass	
Toluene	ug/m3	< 7.5			7.5	Pass	
trans-1.2-Dichloroethene	ug/m3	< 2			2	Pass	
trans-1.3-Dichloropropene	ug/m3	< 2.3			2.3	Pass	
Trichloroethene	ug/m3	< 2.7			2.7	Pass	
Vinyl Acetate	ug/m3	< 7			7.0	Pass	
Vinyl Chloride	ug/m3	< 2.5			2.5	Pass	
LCS - % Recovery							
US EPA Compendium Methods TO-15							
1.1-Dichloroethane	%	117			70-130	Pass	
1.1-Dichloroethene	%	117			70-130	Pass	
1.1.1-Trichloroethane	%	105			70-130	Pass	
1.1.2-Trichloroethane	%	124			70-130	Pass	
1.1.2.2-Tetrachloroethane	%	129			70-130	Pass	
1.2-Dibromoethane (EDB)	%	122			70-130	Pass	
1.2-Dichlorobenzene	%	100			70-130	Pass	
1.2-Dichloroethane	%	118			70-130	Pass	
1.2-Dichloropropane	%	119			70-130	Pass	
1.2.4-Trichlorobenzene	%	95			70-130	Pass	
1.2.4-Trimethylbenzene	%	103			70-130	Pass	
1.3-Butadiene	%	116			70-130	Pass	
1.3-Dichlorobenzene	%	101			70-130	Pass	
1.3.5-Trimethylbenzene	%	116			70-130	Pass	
1.4-Dichlorobenzene	%	102			70-130	Pass	
1.4-Dioxane	%	122			70-130	Pass	
2-Butanone (Methyl Ethyl Ketone)	%	108			70-130	Pass	
2-Hexanone	%	102			70-130	Pass	
2.2.4-Trimethylpentane	%	126			70-130	Pass	
3-Chloropropene	%	113			70-130	Pass	
4-Ethyltoluene	%	119			70-130	Pass	
4-Methyl-2-Pentanone (MIBK)	%	76			70-130	Pass	
Acetone	%	125			70-130	Pass	
Benzene	%	108			70-130	Pass	
Bromodichloromethane	%	130			70-130	Pass	
Bromoform	%	98			70-130	Pass	
Bromomethane	%	106			70-130	Pass	
Carbon Disulfide	%	107			70-130	Pass	
Carbon Tetrachloride	%	108			70-130	Pass	
Chlorobenzene	%	121			70-130	Pass	
Chloroethane	%	114			70-130	Pass	
Chloroform	%	117			70-130	Pass	
Chloromethane	%	130			70-130	Pass	
Chlorotoluene (Benzyl Chloride)	%	86			70-130	Pass	
cis-1.2-Dichloroethene	%	114			70-130	Pass	
cis-1.3-Dichloropropene	%	90			70-130	Pass	
Cyclohexane	%	103			70-130	Pass	
Dibromochloromethane	%	103			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Methylene Chloride	%	115			70-130	Pass	
Ethanol	%	95			70-130	Pass	
Ethylbenzene	%	129			70-130	Pass	
Freon 11 (Trichlorofluoromethane)	%	107			70-130	Pass	
Freon 113 (Trichlorotrifluoroethane)	%	98			70-130	Pass	
Freon 114	%	100			70-130	Pass	
Freon 12 (Dichlorodifluoromethane)	%	110			70-130	Pass	
Heptane	%	119			70-130	Pass	
Hexachlorobutadiene	%	105			70-130	Pass	
Hexane	%	108			70-130	Pass	
Isopropanol	%	100			70-130	Pass	
m.p-Xylene	%	125			70-130	Pass	
Xylenes - Total*	%	121			70-130	Pass	
Methyl t-Butyl Ether (MTBE)	%	91			70-130	Pass	
Naphthalene	%	90			70-130	Pass	
o-Xylene	%	114			70-130	Pass	
Propylene	%	104			70-130	Pass	
Styrene	%	111			70-130	Pass	
Tetrachloroethene	%	105			70-130	Pass	
Tetrahydrofuran	%	93			70-130	Pass	
Toluene	%	90			70-130	Pass	
trans-1.2-Dichloroethene	%	121			70-130	Pass	
trans-1.3-Dichloropropene	%	127			70-130	Pass	
Trichloroethene	%	108			70-130	Pass	
Vinyl Acetate	%	110			70-130	Pass	
Vinyl Chloride	%	119			70-130	Pass	

eurofins | Air Toxics

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Bonnie Pu	Analytical Services Manager
Sarah McCallion	Senior Analyst-Air

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

SUMMA CANISTER
CHAIN OF CUSTODY RECORD

ABN 50 005 085 521

☐ **Sydney Laboratory** Unit F3 Bld F, 16 Mars Rd, Lane Cove West, NSW 2066 02 9900 8400 EnviroSampleNSW@eurofins.com

☐ **Brisbane Laboratory** Unit 1, 21 Smallwood Pl, Murarrie, QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com

☐ **Perth Laboratory** 46-48 Banksia Rd, Welshood WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com

☐ **Melbourne Laboratory** 6 Monterey Road, Dandenong South, VIC 3175 03 8564 5000 EnviroSampleVic@eurofins.com

Company	Metech Consulting	Project No	EP241
Address		Project Name	Bankstown
Contact Name	Michael Evans	Project Manager	Michael Evans
Phone No	0434 681 148	EDD Format (Excel, EQuIS etc.)	
Special Direction		Sampler(s)	ME
Purchase Order	EP241	Handed over by	ME
Quote ID No		Email for Invoice	mevans@metech.consulting
		Email for Results	

Required Turnaround Time (TAT) — Default will be 5 days if not ticked

♦ Surcharge will apply

☐ Overnight (reporting by 9am)♦ ☐ Same day ♦ ☐ 1 day ♦ ☐ 2 days ♦ ☐ 3 ☑ 5 days (Standard) ☐ Other ( )

No	Client Sample ID	Date	Time	Analysis: 62 VOCs (TO-15)	Analysis: TRH, F1, mod F2 (TO-15)	Analysis: VPH aliphatic/aromatic speciation (TO-15)	Analysis: ASTM Gas List (D1945/1946)	Analysis: Helium only (D1946)	Canister Vacuum/Pressure: Initial	Canister Vacuum/Pressure: Final	Canister ID (e.g 1L0020 or 6L0020)	Flow Controller ID (e.g FC020 or 000020)	Sample Comments / Dangerous Goods Hazard Warning
1	SV1	24/10/23	1445	X	X				-28		1L0180	1025539	
2													
3													
4													
5													
6													
7													
8													
9													
	Total Counts												

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Name: Michael Evans Signature: Date: 25/10/23 Time: 0830

Laboratory Use Only

Received By: Brisbane SYD | BNE | MEL | PER | ADL | NTL | DAR GEX | WOL Signature: Date: 25/10 Time: 9:37 Temperature: NA

Received By: Bradley SYD (BNE) | MEL | PER | ADL | NTL | DAR GEX | WOL Signature: Date: 26/10 Time: 9:00am Report No: 1038318

Appendix H
EPA Notice Correspondence

Section 91 Protection of the Environment Operations Act 1997

Clean-Up Notice

BEST YET DRY CLEANERS PTY LTD

Trading as BEST YET DRY CLEANERS

ABN 71 070 508 575

4/6a Chapel Road

BANKSTOWN NSW 2200

Attention: Jim Tsalikis

Notice Number	1512835
File Number	FIL 12/2097
Date	15-Mar-2013

NOTICE OF CLEAN-UP ACTION

BACKGROUND

The Accountable Party BEST YET DRYCLEANERS PTY. LTD trading as "Best Yet Dry Cleaners" conducts dry cleaning operations at 4a/6 Chapel Road, BANKSTOWN NSW 2200 ("the premises").

On 27 February 2013, Dr Luke Formosa and Mr Roger De Keyzer conducted a site inspection of the premises. Perchloroethylene (PERC) contaminated dry cleaning waste was being stored at the rear of the shop inside and adjacent to the garage door (see Addendum for photographs). There were about 7 (20L) containers being stored in this area. This is a large stockpile of PERC waste and must be removed for legal disposal at an appropriately licensed waste facility.

DIRECTION TO TAKE CLEAN-UP ACTION

1. The Environment Protection Authority (EPA) directs BEST YET DRY CLEANERS PTY LTD to take the following clean-up action:

- To engage the services of a licensed waste removalist company to remove all PERC waste currently at the premises. All PERC waste must be taken off "the premises" to an appropriately licensed waste facility by no later than **Friday 13 December 2013**.

- The EPA must be notified immediately after PERC waste is removed from "the premises". All PERC waste removed must be tracked using the EPA's online waste tracking system.

Clean-Up Notice

.....

Andrew Hawkins

Manager Chemicals Regulation Unit

Hazardous Materials, Chemicals & Radiation

(by Delegation)

INFORMATION ABOUT THIS CLEAN-UP NOTICE

- This notice is issued under section 91 of the Protection of the Environment Operations Act 1997.
- It is an offence against the Act not to comply with a clean-up notice unless you have a reasonable excuse.

Penalty for not complying with this notice

- The maximum penalty for a corporation is $1,000,000 and a further $120,000 for each day the offence continues. The maximum penalty for an individual is $250,000 and a further $60,000 for each day the offence continues.

Cost recovery from the person who caused the incident

- If you comply with this clean-up notice but you are not the person who caused the pollution incident to which the notice relates, you have a right to go to court to recover your costs of complying with the notice from the person who caused the incident.

Clean-Up Notice

Other costs

- The Protection of the Environment Operations Act allows the EPA to recover from you reasonable costs and expenses it incurs in monitoring action taken under this notice, ensuring the notice is complied with and associated matters. (If you are going to be required to pay these costs and expenses you will later be sent a separate notice called a “Notice Requiring Payment of Reasonable Costs and Expenses”).

Continuing obligation

- Under section 319A of the Act, your obligation to comply with the requirements of this notice continues until the notice is complied with, even if the due date for compliance has passed.

Variation of this notice

- This notice may only be varied by subsequent notices issued by the EPA.

Subject: FW: EPA Notice to Best Yet Dry Cleaners PL at 4/6A Chapel Rd Bankstown [ref:_00D7F6iTix._5007F1Ps1D6:ref]
Date: Friday, 13 October 2023 at 4:53:31 pm Australian Eastern Daylight Time
From: [redacted]
To: [redacted]
Attachments: 1512835.pdf

[redacted]
Please find email from Steve James (EPA NSW) of clearing notice as we discussed. Should be enough for you to work on. Pls call him find out more information.
Let me know how you go.
Thanks
Sid

Sent from my Galaxy

-------- Original message --------
From: Steven James <Steven.James@epa.nsw.gov.au>
Date: 13/10/23 4:47 pm (GMT+10:00)
To: [redacted]
Subject: FW: EPA Notice to Best Yet Dry Cleaners PL at 4/6A Chapel Rd Bankstown [ref:_00D7F6iTix._5007F1Ps1D6:ref]

Hi Sid,

Thanks for your enquiry and time on the phone just now. The EPA has reviewed Clean-Up Notice 1512835 which was issued to a former occupant of 4/6A Chapel Road Bankstown. The clean-up notice required the removal of chemical waste that was being stored at the premises. The EPA is satisfied that the premises is now occupied by a business that is unrelated to the former occupant and that the chemicals have been removed. That means Clean-up Notice 1512835 is no longer in force.

Regards,

Steven James
Unit Head
NSW Environment Protection Authority
+61 2 4908 6823 +61 413 450 328
www.epa.nsw.gov.au @NSW_EPA EPA YouTube
Report pollution and environmental incidents 131 555 (NSW only) or +61 2 9995 5555

From: Environment Line <info@environment.nsw.gov.au>

Sent: Thursday, 12 October 2023 5:03 PM
To: EPA Delivery Hub Mailbox <EPA.DeliveryHub@epa.nsw.gov.au>
Subject: FW: EPA Notice to Best Yet Dry Cleaners PL at 4/6A Chapel Rd Bankstown [ref:_00D7F6iTix._5007F1Ps1D6:ref]

Correspondent seeks clarity on status of Clean Up notice 1512835

Alice
Senior Information Officer

Department of Planning and Environment
info@environment.nsw.gov.au
info@epa.nsw.gov.au
Phone: 131555
Follow us on twitter for the latest news and media release alerts @NSW_EPA

https://www.dpie.nsw.gov.au/

The Department of Planning and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.

---------- Forwarded Message ----------
From: [redacted]]
Sent: 12/10/2023 16:29
To: info@epa.nsw.gov.au
Subject: [SUSPECTED SPAM] Re: EPA Notice to Best Yet Dry Cleaners PL at 4/6A Chapel Rd Bankstown

Hi EPA Department
Hope you're well. Please find attachment letter regarding subject above that was given to that company leasing my shop back 2013. I am the landlord that bought that property 2016.
With this notice, has it been satified and cleared. If so,can you email proof certificate of clearness as I need to keep in my records.
Please don't hesitate to call me on [redacted].
Thank you
Sid
Sent from my Galaxy

ref:_00D7F6iTix._5007F1Ps1D6:ref