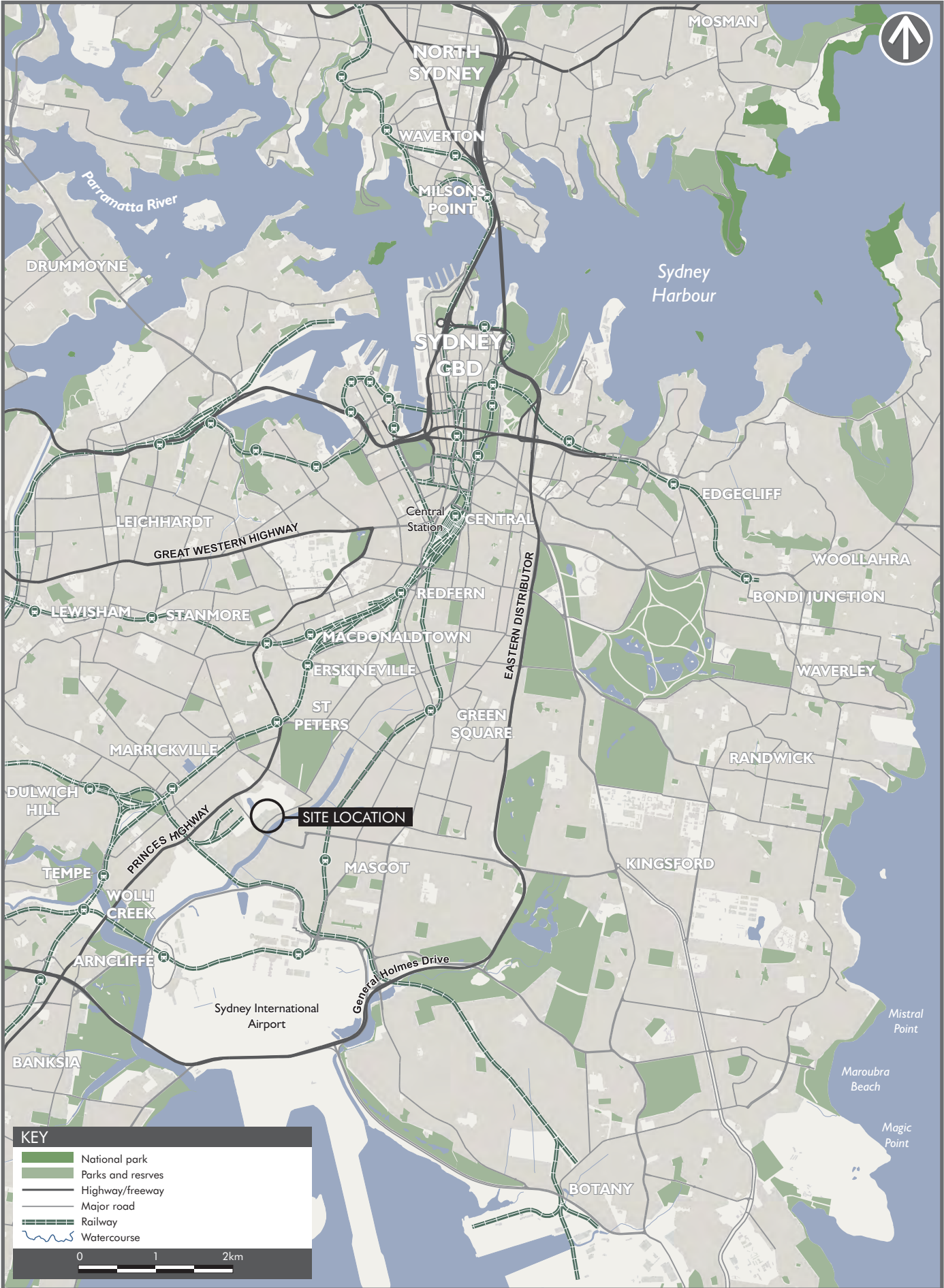


# **Attachment C14(b)**

**Proponent Phase I and Phase II  
Environmental Site Assessment (2/8)**

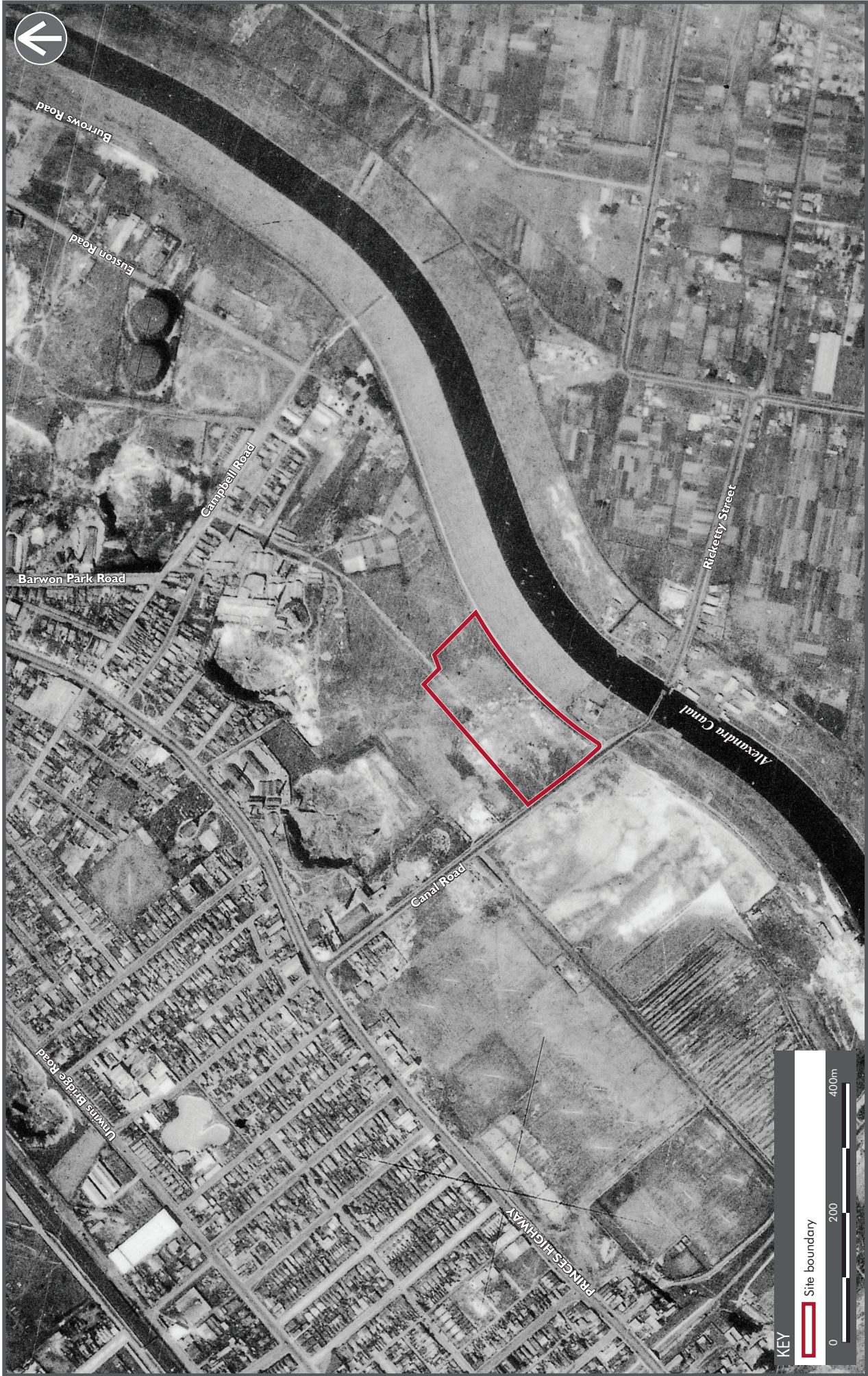
# Appendix A

## Figures



G:\ENV\GIS\Projects\606 Projects\60623599 Burrows Industrial Estate\FIGURES\60623599\_F1\_Site Location 03 03 2020 TO



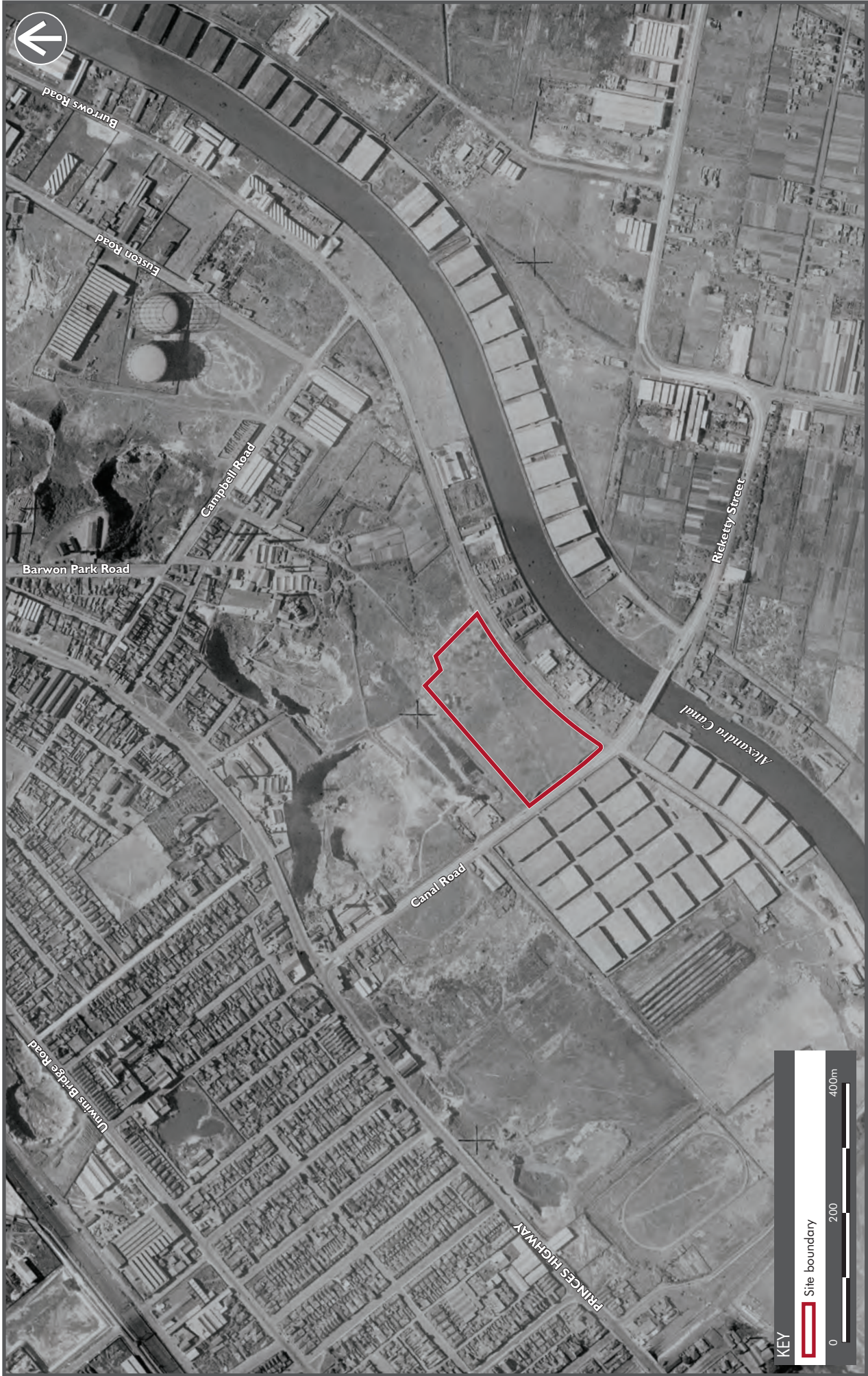


**AECOM**

**HISTORIC AERIAL PHOTOGRAPH 1930**  
 Burrows Industrial Estate  
 New South Wales

**FIGURE 3**

G:\ENVI\GIS\Projects\1606 Projects\160623599 Burrows Industrial Estate\FIGURES\160623599 F3 Historic Aerial Photograph 1930 03 03 2020 TO



HISTORIC AERIAL PHOTOGRAPH 1943  
 Burrows Industrial Estate  
 New South Wales

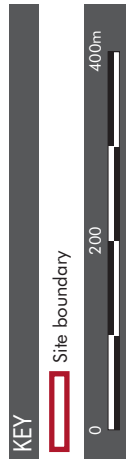
FIGURE 4

**AECOM**

G:\ENW\GIS\Projects\606 Projects\60623599 Burrows Industrial Estate\FIGURES\60623599 F4 Historic Aerial Photograph 1943 03 03 2020 TO



G:\IEMV\GIS\Projects\1606 Projects\160623599 Burrows Industrial Estate\FIGURES\160623599 FS Historic Aerial Photograph 1951 03 03 2020 TO

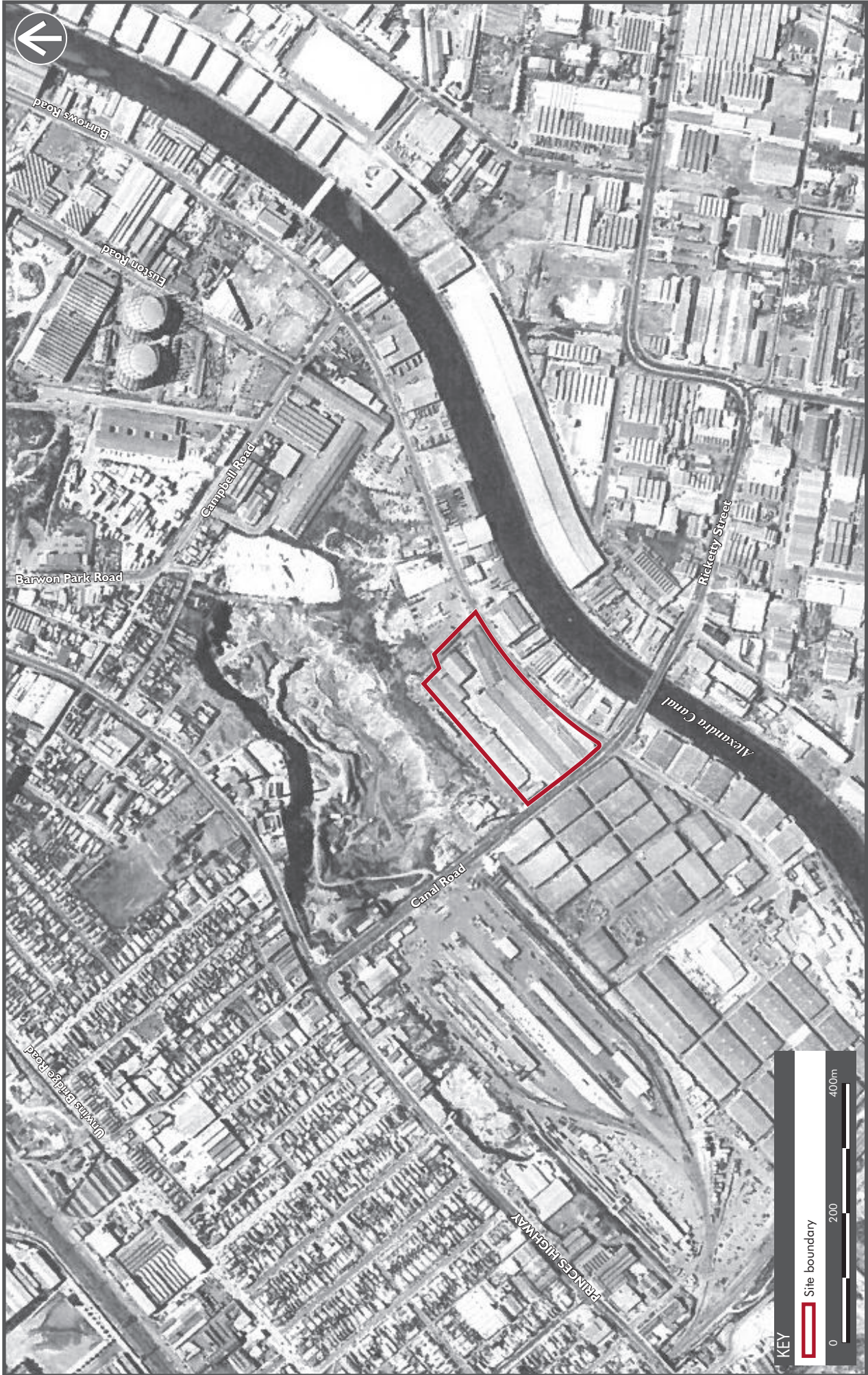


**AECOM**

**HISTORIC AERIAL PHOTOGRAPH 1961**  
 Burrows Industrial Estate  
 New South Wales

**FIGURE 6**





**AECOM**


**HISTORIC AERIAL PHOTOGRAPH 1978**  
 Burrows Industrial Estate  
 New South Wales

**FIGURE 7**

G:\IEN\GIS\Projects\1606 Projects\160623599 Burrows Industrial Estate\FIGURES\160623599 F7 Historic Aerial Photograph 1978 03 03 2020 TO



**KEY**

 Site boundary

0 200 400m

**AECOM**

**HISTORIC AERIAL PHOTOGRAPH 1986**  
Burrows Industrial Estate  
New South Wales

**FIGURE 8**



KEY

Site boundary

0 200 400m

**AECOM**

HISTORIC AERIAL PHOTOGRAPH 1999  
Burrows Industrial Estate  
New South Wales

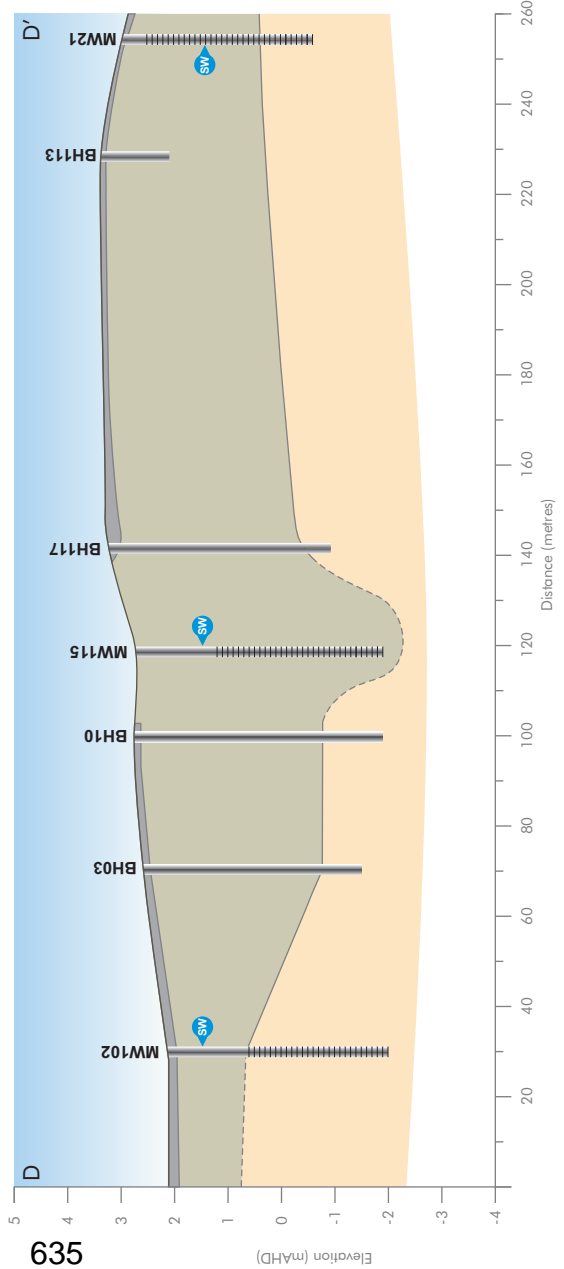
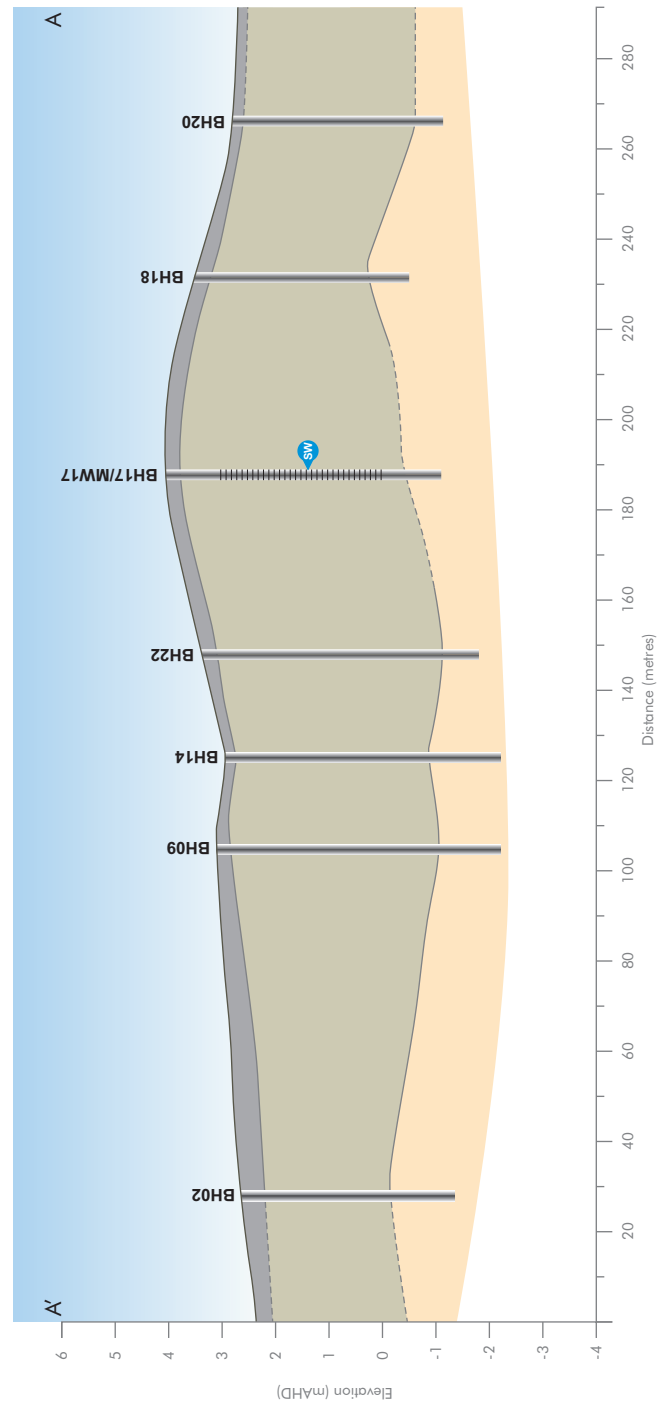
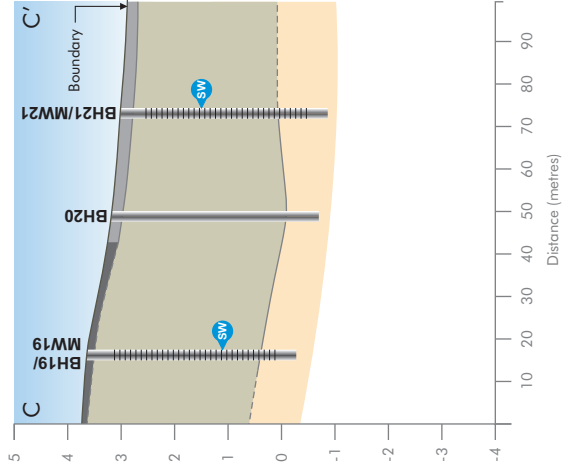
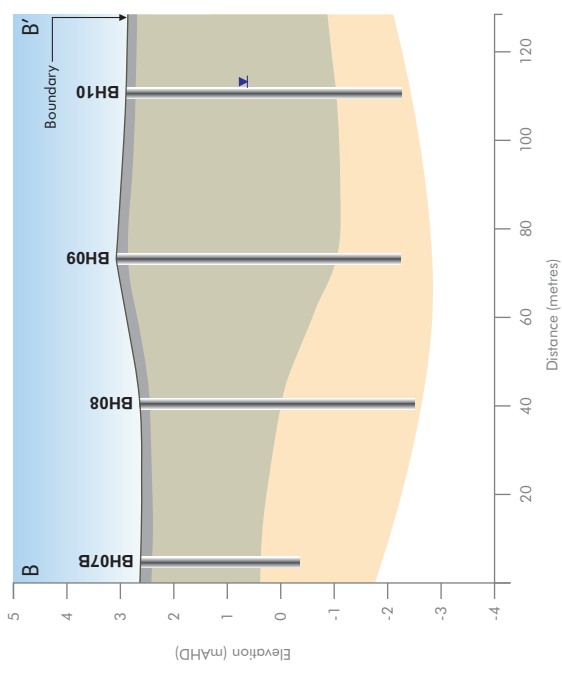
FIGURE 9



G:\NEN\GIS\Projects\606 Projects\60623599 Burrows Industrial Estate\FIGURES\60623599 F10 Historic Aerial Photograph 2004\_03\_03 2020 TO



G:\ENM\GIS\Projects\606 Projects\60623599 Burrows Industrial Estate\FIGURES\60623599 F11 Historic Aerial Photograph 2014 03 03 2020 TO



Scale: See figured dimensions

**AECOM**

- KEY**
- Asphalt
  - Concrete
  - Fill
  - Natural (clay, sandy clay, sand, clayey sand, sandy silt)
  - Screened Interval
  - Stabilised groundwater level (Feb, 2020)

**CROSS SECTIONS**  
 Burrows Industrial Estate  
 New South Wales



**GROUNDWATER ELEVATION PLAN**  
 Burrows Industrial Estate  
 New South Wales

**FIGURE 13**

**KEY**

- Site boundary
- Building footprint
- Easement
- Inferred groundwater flow direction
- Groundwater contour (mAHD)
- + Borehole sample location
- x Surface sample location
- + Borehole/monitoring well location
- 1.024 Groundwater elevation (Feb, 2020)

0 40 80m

G:\EM\GIS\Projects\5060\_P\Projects\6025399\_Burrows Industrial Estate\FIGURES\6025399\_F13\_Groundwater Elevation Plan\_03.02.2020.TIF

# Appendix B

## Tables





Table 1 - Sample Register

Sample Location & Depth	Sample Date	Sample Type	PID (ppm)	Rationale (fill description)	Analyses																
					TRH C6-C40, BTEX(N)	TRH C6-C10, BTEX(N)	PAH	Metals	OCF, OPP, PCB	Phenols	Asbestos	Asbestos (quant)	VHC	TCLP - As	TCLP - Pb	TCLP - B(a)P	TCLP - Hg	TCLP - Cr VI	TCLP - Cd	TCLP - Ni	
BH113_0.6-0.7	29/01/2020	Fill	0.2	AFM (yellow/brown and orange sand with FeSt & glass)	1																
BH114_0.45-0.55	03/02/2020	Fill	0.1	AFM (black sand with FeSt, slag, bricks, ceramics & plastic)	1	1	1														
BH114_1.3-1.4	03/02/2020	Fill	0	AFM (brown sand with RB & FeSt), GWE	1	1	1														
BH115_0.6-0.7	29/01/2020	Fill	0.2	AFM (dark grey sand with FeSt and slag)	1	1	1	1													
BH115_2.5-2.6	29/01/2020	Fill	NR	AFM (brown sand with RB, slag & ceramics)	1	1	1														
BH116_0.3-0.4	30/01/2020	Fill	0.2	AFM (brown sand with FeSt, brick & glass)	1	1	1	1													
BH116_0.6-0.65	30/01/2020	Fill	0.3	AFM (black sand with slag, FeSt, brick & SST)	1	1	1	1													
BH117_0.3-0.4	30/01/2020	Fill	0.1	AFM (orange & grey sand with FeSt & SST)	1	1	1	1													
BH117_1.3-1.4	30/01/2020	Fill	0.4	AFM (black sand with FeSt, metal & glass)	1	1	1	1													
BH117_2.2-2.3	30/01/2020	Fill	0.3	AFM (brown sand with RB, metal, glass & ceramics), GWE	1	1	1	1													
<b>Subtotal, Primary Soil Samples</b>					<b>63</b>	<b>0</b>	<b>72</b>	<b>88</b>	<b>17</b>	<b>3</b>	<b>18</b>	<b>28</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>6</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>6</b>	
QC100	21/08/2015	Split	-	BH22_4.5-4.7	1	1	1	1													
QC201	21/08/2015	Split	-	BH07B_1.2-1.3	1	1	1	1	1	1											
QC105	29/01/2020	Split	-	BH107_0.5-0.6	1	1	1	1													
QC102	29/01/2020	Split	-	BH109_0.9-1.0	1	1	1	1													
QC106	29/01/2020	Split	-	BH113_0.2-0.3	1	1	1	1													
QC101	21/08/2015	Duplicate	-	BH09_4.0-4.2	1	1	1	1													
QC200	20/08/2015	Duplicate	-	BH05_1.0-1.1	1	1	1	1													
QC202	21/08/2015	Duplicate	-	BH21_0.7-0.8	1	1	1	1													
QC102	21/08/2015	Duplicate	-	BH01_3.8-3.9	1	1	1	1													
QC111	29/08/2015	Duplicate	-	BH03_1.0-1.2	1	1	1	1													
QC111	03/02/2020	Duplicate	-	BH104_1.6-1.7	1	1	1	1													
QC100	28/01/2020	Duplicate	-	BH106_0.2-0.3	1	1	1	1	1												
QC114	03/02/2020	Duplicate	-	BH114_0.45-0.55	1	1	1	1													
Sub-total, Split Duplicates					5	0	5	5	1	1	0	0	1	0	0	0	0	0	0	0	
Sub-total, Duplicates					6	0	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Soil Samples</b>					<b>74</b>	<b>0</b>	<b>84</b>	<b>100</b>	<b>19</b>	<b>4</b>	<b>18</b>	<b>28</b>	<b>4</b>	<b>3</b>	<b>11</b>	<b>6</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>6</b>	
MW01	31/08/2015	Primary	-	Assess Groundwater	1	1	1	1													
MW16	31/08/2015	Primary	-		1	1	1	1													
MW17	31/08/2015	Primary	-		1	1	1	1													
MW19	31/08/2015	Primary	-		1	1	1	1													
MW21	31/08/2015	Primary	-		1	1	1	1													
QC200	31/08/2015	Split	-	MW01	1	1	1	1													
<b>Total Groundwater Samples, 2015 GME</b>					<b>6</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
MW01	12/02/2020	Primary	-	Assess Groundwater	1	1	1	1													
MW16	12/02/2020	Primary	-		1	1	1	1													
MW17	12/02/2020	Primary	-		1	1	1	1													
MW19	12/02/2020	Primary	-		1	1	1	1													
MW21	12/02/2020	Primary	-		1	1	1	1													
MW102	12/02/2020	Primary	-	1	1	1	1														
MW105	12/02/2020	Primary	-	1	1	1	1														
MW115	12/02/2020	Primary	-	1	1	1	1														
QC306	12/02/2020	Split	-	MW102	1	1	1	1													
<b>Total Groundwater Samples, 2020 GME</b>					<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
TB	31/08/2015	TB	-	QC - groundwater sampling	1	1	1	1													
QC201	31/08/2015	Rinsate	-	QC - groundwater sampling	1	1	1	1													
QC300	28/01/2020	TB	-	QC - soil sampling	1	1	1	1													
QC302	30/01/2020	Rinsate	-	QC - soil sampling	1	1	1	1													
QC303	31/01/2020	Rinsate	-	QC - soil sampling	1	1	1	1													
QC304	03/02/2020	Rinsate	-	QC - soil sampling	1	1	1	1													
QC304	12/02/2020	Rinsate	-	QC - groundwater sampling	1	1	1	1													
QC305	12/02/2020	TB	-	QC - groundwater sampling	1	1	1	1													

Notes:  
 AFM = assess fill material      TB = trip blank      GWE = groundwater encountered  
 NR = not recorded              FeSt = ironstone-like gravels (red-orange). Possible foundry/casting sands  
 RB = road base gravel          SST = sandstone      HCO = hydrocarbon odour

**Table 2 - Groundwater Elevation**

Well ID	Easting	Northing	Gauging Date	Total Well Depth (m btoc)	TOC Elevation (mAHD)	SWL (m btoc)	GWE (mAHD)
MW16	331688.598	6245470.9	31/08/2015	4.441	4.15	3.16	0.990
MW17	331700.452	6245465.954	31/08/2015	4.091	4.04	3.065	0.975
MW19	331743.935	6245525.412	31/08/2015	3.920	3.44	2.449	0.991
MW21	331791.781	6245494.973	31/08/2015	3.895	3.04	2.026	1.014
MW01	331543.404	6245408.202	11/02/2020	3.275	2.12	0.677	1.443
MW16	331688.598	6245470.9	11/02/2020	4.22	4.15	2.749	1.401
MW17	331700.452	6245465.954	11/02/2020	3.99	4.04	2.647	1.393
MW19	331743.935	6245525.412	11/02/2020	3.425	3.44	2.034	1.406
MW21	331791.781	6245494.973	11/02/2020	3.415	3.04	1.643	1.397
MW102	331627.004	6245313.221	11/02/2020	4.42	2.3	0.941	1.359
MW105	331627.489	6245463.586	11/02/2020	4.39	3.202	1.811	1.391
MW115	331673.5	6245404.4	11/02/2020	4.42	2.843	1.438	1.405

**Notes**

- m btoc = metres below top of casing
- SWL = standing water level
- TOC = top of casing
- AHD = Australian Height Datum

**Table 3 - Geochemical Parameters**

Well ID	Date	Well Depth (m)	Pump Intake Depth (m)	Purge Volume (L)	DO (mg/L)	EC (µScm-1)	pH	Eh (mV)	Temp' (°C)	Comments
<b>Development</b>										
MW01	25/08/2015	3.454	3.2	10	0.48	1019	7.05	102.2	19.5	Clear at 3L water removed, parameters stabilised at 10L water removed
MW16	25/08/2015	4.441	4.2	11	1.36	2415	6.94	152.9	22.0	Purged dry at 4L, wait for recharge and again at 8L (sample tubing blocked with PVC cuttings). Parameters stabilised and water clear at 11L water removed.
MW17	25/08/2015	4.091	3.9	9	0.18	1357	6.82	108.0	21.8	Parameters stabilised and water clear at 9L water removed
MW19	25/08/2015	3.92	3.7	9	0.28	1067	6.71	283.7	19.0	Parameters stabilised and water clear at 9L water removed
MW21	25/08/2015	3.895	3.6	8	0.96	957	7.04	160.1	17.7	Parameters stabilised and water clear at 8L water removed
MW102	7/02/2020	4.28	~4	80	0.20	1840	7.29	81.9	23.3	Parameters stabilised and water clear at 80L water removed
MW105	7/02/2020	4.39	~4.1	45	-	-	-	-	-	Parameters not measured due to high rainfall and potential for ingress of surface water into monitoring well. Turbidity decreased during purging.
MW115	7/02/2020	4.398	~4.1	60	0.54	909	6.74	146.6	23.4	Parameters stabilised and water clear at 60L water removed
<b>Purging</b>										
MW01	31/08/2015	3.454	NR	3	-	1000	6.79	140.0	19.6	Clear, low turbidity, no odour or sheen observed. DO probe malfunction
MW16	31/08/2015	4.441	NR	4	0.92	2206	6.88	222.6	21.7	Clear, low turbidity, no odour or sheen observed
MW17	31/08/2015	4.091	NR	3	-	1259	6.68	158.4	21.0	Clear, low turbidity, no odour or sheen observed. DO probe malfunction
MW19	31/08/2015	3.92	NR	4	0.02	820	6.58	268.4	18.4	Clear, low turbidity, no odour or sheen observed
MW21	31/08/2015	3.895	NR	4.0	0.07	806	6.73	216.2	16.9	Clear, low turbidity, no odour or sheen observed
MW01	12/02/2020	3.275	2.7	3.0	0.05	485.7	6.95	164.9	25.7	No odour, clear, low turbidity
MW16	12/02/2020	4.22	2.7	3.0	1.7	1385	6.54	316.4	24.1	No odour, clear, low turbidity
MW17	12/02/2020	3.99	3.5	2.0	0.21	1334	6.72	300.4	24	No odour, clear, low turbidity
MW19	12/02/2020	3.425	3	1.5	2.35	1655	6.73	297.9	24.8	No odour, clear, low turbidity
MW21	12/02/2020	3.415	2.9	4.0	1.3	549	6.87	213.7	24.8	No odour, clear, low turbidity
MW102	12/02/2020	4.42	3.9	5.5	0	3053	7.51	32.4	23	Hydrogen sulphide odour, light grey, low turbidity
MW105	12/02/2020	4.39	3.9	3.0	0.34	1403	6.59	204.1	24.6	No odour, clear, low turbidity
MW115	12/02/2020	4.42	4	2.5	0.14	1079	6.84	134.9	23.1	No odour, clear, low turbidity

**Notes**

- DO = dissolved oxygen
- EC = electrical conductivity
- Eh = Redox potential
- Redox Correction factor = +205 mV (applied to field readings)





**Table 5 - Asbestos**

Sample Location_Depth	Sample Date	Sample Type	Asbestos Detected		Asbestos (trace)/(fibres)	Asbestos Type	Asbestos Containing Material (as 15% w/w/w)	Asbestos (Fines and Fibrous FA+AF) % w/w	Description
			g/kg	Fibres					
<b>ASC NEPM 2013 - HSL D</b>									
		Units							
		LOR	0.1		5				
BH01_0.3-0.4	21/08/2015	Fill	Yes			Ch	0.01	0.001	One loose bundle of friable asbestos fibres approximately 3 x 1 x 0.5mm.
BH02_0.4-0.5	29/08/2015	Fill	No						
BH03_0.2-0.3	29/08/2015	Fill	No						
BH03_1.0-1.2	29/08/2015	Fill	Yes			Ch			Several friable asbestos fibre bundles approx 5 x 2 x 2mm
BH06_1.0-1.1	21/08/2015	Fill	No						
BH07A_0.5-0.6	20/08/2015	Fill	Yes			Ch			One loose bundle of friable asbestos fibres approximately 4 x 1 x 0.5mm.
BH07B_1.2-1.3	21/08/2015	Fill	No						
BH12_1.8-1.9	21/08/2015	Fill	No						
BH15_0.4-0.5	21/08/2015	Fill	No						
BH18_0.7-0.8	29/08/2015	Fill	No						
BH20_0.5-0.6	29/08/2015	Fill	No						
BH20_1.0-1.1	29/08/2015	Fill	No						
BH21_0.7-0.8	21/08/2015	Fill	Yes			Ch			Several pieces of heavily degraded and friable asbestos fibre board approximately 60 x 30 x 3mm. Soil debris containing several loose bundles of friable asbestos fibres approximately 2 x 1 x 0.5mm.
BH22_0.3-0.4	21/08/2015	Fill	Yes			Ch, Am			Two pieces of bonded asbestos cement sheeting approximately 45 x 35 x 5mm plus several pieces of friable asbestos cement sheeting approximately 4 x 4 x One piece of bonded asbestos cement sheeting approx 90 x 60 x 5 mm.
BH22_0.45	21/08/2015	Fragment	Yes			Ch, Am			Two pieces of friable asbestos fibre board approx 4 x 3 x 2 mm and several loose bundles of friable asbestos fibres approx 2 x 1 x 0.5 mm.
SS01	29/08/2015	Fill	Yes			Ch, Am			Four pieces of bonded asbestos cement sheeting approx 40 x 40 x 5 mm, several pieces of friable asbestos cement sheeting approx 7 x 6 x 4 mm and several loose bundles of friable asbestos fibres approx 2 x 1 x 0.5 mm.
SS02	29/08/2015	Fill	Yes			Ch, Cr			Five pieces of bonded asbestos cement sheeting approx 50 x 30 x 5 mm.
SS04-FRAG	29/08/2015	Fragment	Yes			Ch, Am			
BH100_0.7-0.8	03/02/2020	Fill	No				<0.01	<0.001	
BH100_0.8-0.9	03/02/2020	Fill	No				<0.01	<0.001	
BH101_1.3-1.4	31/01/2020	Fill	Yes			Ch	<0.01	0.031	Many, large asbestos fibre bundles approximately 10x4x2mm.
BH102_0.5-0.6	31/01/2020	Fill	No				<0.01	<0.001	
BH103_0.15-0.25	03/02/2020	Fill	No				<0.01	<0.001	
BH103_2.0-2.1	03/02/2020	Fill	No				<0.01	<0.001	
BH104_0.8-0.9	03/02/2020	Fill	No				<0.01	<0.001	
BH104_1.6-1.7	03/02/2020	Fill	No				<0.01	<0.001	
BH105_0.4-0.5	31/01/2020	Fill	No				<0.01	<0.001	
BH106_0.2-0.3	28/01/2020	Fill	No				<0.01	<0.001	
BH107_0.4-0.5	28/01/2020	Fill	No*			Ch	<0.01	0.002	One fragment of degraded asbestos fibre board approximately 10x5x2 mm.
BH108_0.15-0.25	28/01/2020	Fill	No				<0.01	<0.001	
BH108_0.35-0.45	28/01/2020	Fill	No				<0.01	<0.001	
BH108_1.3-1.4	28/01/2020	Fill	No				<0.01	<0.001	
BH108_2.3-2.4	28/01/2020	Fill	No				<0.01	<0.001	
BH109_0.3-0.4	28/01/2020	Fill	Yes			Ch, Am, Cr	<0.01	0.029	Many fragments of degraded asbestos cement sheeting and large loose asbestos fibre bundles approximately 10x5x2 mm.

**Table 5 - Asbestos**

Sample Location_Depth	Sample Date	Sample Type	Asbestos Detected	Asbestos (trace)/(fibres)	Asbestos Type	Asbestos Containing Material (as 15% Fibrous FA+AF)		Description
						% w/w	% w/w	
<b>ASC NEPM 2013 - HSL D</b>								
		Units	d/kg	Fibres		% w/w	% w/w	
		LOR	0.1	5		0.01	0.001	
BH110_0.35-0.36	28/01/2020	Fill	Yes	No	Ch, Am, Cr	0.50	0.020	Two pieces of asbestos cement sheeting approximately 40x30x5 mm, one fragment of asbestos cement debris approximately 10x5x2 mm and loose asbestos fibre bundles.
BH110_0.4-0.6	28/01/2020	Fill	Yes	Yes	Ch, Am, Cr	0.03	0.038	Two pieces of asbestos cement sheeting approximately 20x15x2 mm and plenty of loose asbestos fibre bundles throughout.
BH111_0.3-0.4	30/01/2020	Fill	No	No		<0.01	<0.001	
BH111_0.65-0.75	30/01/2020	Fill	No	No		<0.01	<0.001	
BH113_0.2-0.3	29/01/2020	Fill	Yes	No	Ch	<0.01	0.012	Several fragments of degraded asbestos fibre board debris and several loose asbestos fibre bundles.
BH113_0.6-0.7	29/01/2020	Fill	No	No		<0.01	<0.001	
BH114_0.45-0.55	03/02/2020	Fill	Yes	No	Ch, Am	0.20	0.110	One piece of fibrous asbestos fibre board approximately 20x10x5 mm, several pieces of asbestos cement sheeting approximately 30x30x5 mm and plenty of smaller fragments of fibrous asbestos fibre board.
BH115_0.6-0.7	29/01/2020	Fill	Yes	No	Ch, Am	<0.01	0.011	One piece of asbestos rope-like material approximately 15x2x2 mm and one piece of asbestos cement sheeting approximately 5x5x2 mm with loose asbestos fibre bundles.
BH116_0.3-0.4	30/01/2020	Fill	No	No		<0.01	<0.001	
BH116_0.6-0.65	30/01/2020	Fill	No	No		<0.01	<0.001	
BH117_0.3-0.4	30/01/2020	Fill	No	No		<0.01	<0.001	
BH117_1.3-1.4	30/01/2020	Fill	No*	No	Ch	<0.01	<0.001	One asbestos fibre bundle approximately 5x1x0.5 mm.

**Notes**

LOR = limit of reporting  
 < # = not detected above LOR  
 HSL D = commercial/industrial land use  
 Shade + Bold = result > HSL D  
 Not applicable due to the laboratory method  
 Ch = chrysotile, Cr = crocidolite, A = amosite  
 No\* = asbestos present at concentrations below the LOR

n samples	28	28
n > criteria	2	8

NB: n samples and results > criteria applies to 2020 samples only



**Table 6 - MLs and ESLs**

Sample Location & Depth	Sample Date	Sample Type	PID	BTEX				TRH					
				Benzene	Toluene	Ethylbenzene	Xylenes	C6 - C10	C6 - C10 minus BTEX (F1)	>C10 - C16	>C10 - C16 minus Naphthalene (F2)	>C16 - C34 (F3)	>C34 - C40 (F4)
ESL - coarse soil (C/I)				75	135	165	180		215		170	1700	3300
Management Limits - coarse soil (C/I)									700		1000	3500	10000
BH01_1.0-1.1	21/08/2015	Fill	-	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	910	240
BH01_3.8-3.9	21/08/2015	Sandy Clay	-	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
QC102	21/08/2015		BH01_3.8-3.9	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH02_0.4-0.5	29/08/2015	Fill	0.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH02_3.0-3.1	29/08/2015	Silty Clay	14.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	380	160
BH03_3.0-3.1	29/08/2015	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH03_1.0-1.2	29/08/2015	Sandy Clay	19.5	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	380	110
QC111	29/08/2015		BH03_1.0-1.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	310	<100
BH04_0.5-0.6	20/08/2015	Fill	0.5	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	100	<100
BH04_2.3-2.4	20/08/2015	Silty Clay	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	230	240
BH05_0.5-0.6	20/08/2015	Fill	1.8	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	140	<100
BH05_2.3-2.4	20/08/2015	Sandy Silt	0.7	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	210	<100
BH07B_1.2-1.3	21/08/2015	Fill	0.9	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	850	180
QC201	21/08/2015		BH07B_1.2-1.3	<0.2	<0.5	<1	<2	<25	<25	<50	<50	730	170
BH07B_2.3-2.4	21/08/2015	Silty Clay	0.4	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	360	100
BH08_1.0-1.1	20/08/2015	Fill	0.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	350	<100
BH08_3.7-3.8	20/08/2015	Silty Sand	0.5	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	380	<100
BH09_4.5-4.6	21/08/2015	Sandy Clay	390.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH10_4.0-4.1	21/08/2015	Clayey Sand	20.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH11_2.3-2.4	20/08/2015	Fill	0.8	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	150	<100
BH11_3.3-3.4	20/08/2015	Sandy Silt	0.5	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	650	310
BH12_3.6-3.7	21/08/2015	Fill	3.5	<0.2	<0.5	<0.5	<0.5	<10	<10	70	70	1660	430
BH14_4.0-4.1	21/08/2015	Sandy Clay	150.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH16_0.7-0.8	21/08/2015	Fill	0	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH16_2.0-2.1	22/08/2015	Fill	0.9	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	370	220
BH17_1.0-1.1	21/08/2015	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH17_2.0-2.1	22/08/2015	Fill	15.2	<0.2	<0.5	<0.5	<0.5	16	16	2610	2610	22300	1620
BH18_0.7-0.8	29/08/2015	Fill	0	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH19_2.0-2.2	22/08/2015	Fill	1.9	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	440	270
BH20_2.0-2.1	29/08/2015	Fill	0.3	<0.2	<0.5	<0.5	<0.5	<10	<10	140	140	3940	780
BH21_0.7-0.8	21/08/2015	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	7440	7400	47500	10100
QC202	21/08/2015		BH21_0.7-0.8	<0.2	<0.5	<0.5	<0.5	<10	<10	3740	3720	31900	6230
BH21_2.7-2.8	22/08/2015	Fill	0.2	0.9	<0.5	<0.5	<0.5	<10	<10	80	80	960	500
BH21_3.0-3.1	22/08/2015	Sand	2.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	150	<100
BH22_2.2-2.3	21/08/2015	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH22_4.5-4.7	21/08/2015	Sandy Clay	26.7	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
QC100	21/08/2015		BH22_4.5-4.7	<0.2	<0.5	<1	<2	<25	<25	<50	<50	<100	<100
BH100_0.7-0.8	03/02/2020	Fill	0	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	230	<100
BH100_0.8-0.9	03/02/2020	Fill	0.6	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH101_0.7-0.8	31/01/2020	Fill	NR	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	230	<100
BH101_2.2-2.3	31/01/2020	Fill	0	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	280	110
BH102_0.5-0.6	31/01/2020	Fill	0	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	200	<100
BH103_0.15-0.25	03/02/2020	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH104_0.8-0.9	03/02/2020	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	580	<100
BH104_1.6-1.7	03/02/2020	Fill	0.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	1000	210
QC111	03/02/2020		BH104_1.6-1.7	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	620	180
BH104_2.0-2.2	03/02/2020	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	930	200
BH105_0.4-0.5	31/01/2020	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	210	140
BH105_0.85-0.95	31/01/2020	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	330	150
BH106_0.2-0.3	28/01/2020	Fill	1.7	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	180	<100
QC100	28/01/2020		BH106_0.2-0.3	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	170	<100
BH106_4.0-4.1	28/01/2020	Sandy Clay	3.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH107_0.5-0.6	28/01/2020	Fill	0.3	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	150	<100
QC105	29/01/2020		BH107_0.5-0.6	<0.2	<0.5	<1	<3	<25	<25	<50	<50	140	<100
BH107_1.5-1.7	28/01/2020	Fill	3.5	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH108_1.3-1.4	28/01/2020	Fill	2.4	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH108_2.3-2.4	28/01/2020	Fill	0.7	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100

**Table 6 - MLs and ESLs**

Sample Location & Depth	Sample Date	Sample Type	PID	BTEX				TRH					
				Benzene	Toluene	Ethylbenzene	Xylenes	C6 - C10	C6 - C10 minus BTEX (F1)	>C10 - C16	>C10 - C16 minus Naphthalene (F2)	>C16 - C34 (F3)	>C34 - C40 (F4)
<b>ESL - coarse soil (C/I)</b>				<b>75</b>	<b>135</b>	<b>165</b>	<b>180</b>		<b>215</b>		<b>170</b>	<b>1700</b>	<b>3300</b>
<b>Management Limits - coarse soil (C/I)</b>									<b>700</b>		<b>1000</b>	<b>3500</b>	<b>10000</b>
BH108_4.1-4.2	28/01/2020	Fill	3.8	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH109_0.3-0.4	28/01/2020	Fill	0.3	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	160	<100
BH109_0.9-1.0	28/01/2020	Fill	0.4	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
QC 102	29/01/2020	BH109_0.9-1.0		<0.2	<0.5	<1	<3	<25	<25	<50	<50	<100	<100
BH110_0.35-0.36	28/01/2020	Fill	0.5	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	740	340
BH111_0.3-0.4	30/01/2020	Fill	0.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH113_0.2-0.3	29/01/2020	Fill	1.3	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
QC 106	29/01/2020	BH113_0.2-0.3		<0.2	<0.5	<1	<3	<25	<25	<50	<50	210	<100
BH113_0.6-0.7	29/01/2020	Fill	0.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	240	<100
BH114_0.45-0.55	03/02/2020	Fill	0.1	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	390	110
QC114	03/02/2020	BH114_0.45-0.55		<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	290	<100
BH114_1.3-1.4	03/02/2020	Fill	0	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	240	<100
BH115_0.6-0.7	29/01/2020	Fill	0.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	170	<100
BH115_2.5-2.6	29/01/2020	Fill	NR	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH116_0.3-0.4	30/01/2020	Fill	0.2	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
BH116_0.6-0.65	30/01/2020	Fill	0.3	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	180	<100
BH117_2.2-2.3	30/01/2020	Fill	0.3	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	1310	260

**Notes**

Results = mg/kg

LOR = limit of reporting

< # = not detected above LOR

Shade + Bold = result > criteria

ESL: apply to 2 m. low reliability, except F1 & F2 (moderate reliability)

n samples	74				74					
n > ESL	0	0	0	0	n/a	0	n/a	3	4	2
n > ML	n/a	n/a	n/a	n/a	n/a	0	n/a	3	4	1
minimum	<0.2	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100
maximum	0.9	<0.5	<1	<3	16	16	7440	7400	47500	10100

**Table 7 - TCLP Results**

Sample ID_Depth Sample Type	NSW EPA (2014) Waste Classification										BH04_1.0-1.1		BH16_2.0-2.1		BH17_2.0-2.1		BH21_0.7-0.8		BH22_2.2-2.3		BH102_0.5-0.6	
	GSW					RSW					Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill
Date Sampled	CT1	TCLP1	SCC1	mg/kg	CT2	TCLP2	SCC2	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	
Units	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	
Arsenic	100	5	500	400	20	2000	2000	311	0.4	136	19	1	4	62	4	31	1	119	3	9	<1	
Cadmium	20	1	100	80	4	400	400	1		109	105	1	607	<0.05	12	29	19	2700	0.6	12	712	
Chromium	100	5	1900	400	20	7600	7600	105		3520	293	155	12200		155	550	367	6300	47.1	2010	0.9	
Copper	-	-	-	-	-	-	-	293		3290	167	7710	2560		234	2700	14500	2700	0.6	12	367	
Lead	100	5	1500	400	20	6000	6000	10400	15.9	20.4	1.6	1170	0.1	0.1	0.3	0.3	102	<0.5	<0.5	<0.5	<0.0005	
Nickel	40	2	1050	160	8	4200	4200	24	<0.0005	8.7	158	8.7	8.7	8.7	Yes	Yes	Yes	<10	<10	<10	<10	
Zinc	-	-	-	-	-	-	-	1170		<10	2600	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Mercury	4	0.2	50	16	0.8	200	200	1.6		450	40000	450	25400		58500	250	250	<0.2	<0.2	<0.2	<0.2	
Benzo(a)pyrene	0.8	0.04	10	3.2	0.16	23	23	13.4		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Sum of reported PAH	-	-	200	-	-	800	800	158		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Asbestos																						
TPH C6-C9			650			2600	2600															
TPH C10-C36			10000			40000	40000															
Benzene	10	0.5	18	40	2	72	72															
Toluene	288	14.4	518	1152	57.6	2073	2073															
Ethylbenzene	600	30	1080	2400	120	4320	4320															
Xylenes	1000	50	1800	4000	200	7200	7200															
Scheduled Chemicals			<50			<50	<50															
PCB			<50			<50	<50															

**Notes:**

- mg/kg = milligrams per kilogram.
- mg/L = milligrams per litre
- < = not detected above LOR
- = not analysed and/or no criteria
- Shading = Interpreted Classification
- Red = interpreted Hazardous Waste

**Table 7 - TCLP Results**

Sample ID_Depth Sample Type	NSW EPA (2014) Waste Classification										BH105_0.8-0.95		BH105_1.7-1.8		QC100 (BH106_0.2-0.3)		BH107_1.5-1.7		BH108_1.3-1.4		BH109_0.9-1.0	
	GSW		CT1		CT2		TCLP1		TCLP2		RSW		Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill
Date Sampled	mg/kg	TCLP1	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	
Units	100	5	500	400	20	2000	20	400	400	20	2000	6	<1	6	<1	94	2	30	96	30	28	
Arsenic	20	1	100	80	4	400	20	400	400	20	7600	<1	<1	<1	<1	2	2	96	1.73	13	13	
Cadmium	100	5	1900	400	20	7600	20	400	400	20	7600	8	8	8	8	180	0.02	320	<0.01	241	<0.01	
Chromium	-	-	-	-	-	-	2130	20	20	-	-	46	46	46	986	986	15500	15500	10800	10800	10800	
Copper	100	5	1500	400	20	6000	2260	8.6	8.6	20	6000	113	113	113	5350	8.7	3160	33.7	3780	2.3	2.3	
Lead	40	2	1050	160	8	4200	135	0.2	0.2	8	4200	10	10	10	185	<0.1	823	2.0	241	0.6	0.6	
Nickel	-	-	-	-	-	-	4890	-	-	-	-	106	106	106	1110	1110	23400	23400	12400	12400	12400	
Zinc	4	0.2	50	16	0.8	200	0.4	0.4	0.4	200	200	<0.1	<0.1	<0.1	1.0	1.0	<0.1	<0.1	2.2	2.2		
Mercury	0.8	0.04	10	3.2	0.16	23	3.4	<0.0005	<0.0005	23	23	3.1	<0.0005	<0.0005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Benzo(a)pyrene	-	-	200	-	-	800	31.2	-	-	800	800	28.9	28.9	28.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Sum of reported PAH	-	-	-	-	-	-	-	-	-	-	-	No	No	No	No	No	No	No	No	No	No	
Asbestos	-	-	-	-	-	-	-	-	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
TPH C6-C9	-	-	650	-	-	2600	<10	<10	<10	2600	2600	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
TPH C10-C36	-	-	10000	-	-	40000	400	400	400	40000	40000	110	110	110	<50	<50	<50	<50	<50	<50	<50	
Benzene	10	0.5	18	40	2	72	<0.2	<0.2	<0.2	72	72	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Toluene	288	14.4	518	1152	57.6	2073	<0.5	<0.5	<0.5	2073	2073	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Ethylbenzene	600	30	1080	2400	120	4320	<0.5	<0.5	<0.5	4320	4320	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Xylenes	1000	50	1800	4000	200	7200	<0.5	<0.5	<0.5	7200	7200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Scheduled Chemicals	-	-	<50	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
PCB	-	-	<50	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	

**Notes:**

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- < = not detected above LOR
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- Red = interpreted Hazardous Waste

**Table 7 - TCLP Results**

Sample ID_Depth Sample Type	NSW EPA (2014) Waste Classification										BH111_0.65-0.75		BH114_1.3-1.4		BH115_2.5-2.6		BH117_2.2-2.3		
	GSW					RSW					Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill	
Material Type	CT1	TCLP1	SCC1	mg/kg	CT2	TCLP2	SCC2	mg/kg	mg/kg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
<b>Units</b>	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Arsenic	100	5	500	400	20	2000	2000	102	117	55	23	13	7	52	7	90	1250	90	
Cadmium	20	1	100	80	4	400	400	12	1240	2870	872	6390	54.1	2240	64	3720	1.0	1.0	
Chromium	100	5	1900	400	20	7600	7600	120	9880	885	145	0.2	8.7	95.5	8.7	95.5	<0.0005	<0.0005	
Copper	-	-	-	-	-	-	-	4920	2930	2930	2930	2930	2930	2930	2930	2930	2930	2930	
Lead	100	5	1500	400	20	6000	6000	8960	2.8	4600	872	6390	54.1	2240	64	3720	1.0	1.0	
Nickel	40	2	1050	160	8	4200	4200	179	<0.5	885	145	0.2	8.7	95.5	8.7	95.5	<0.0005	<0.0005	
Zinc	-	-	-	-	-	-	-	14000	<0.5	9880	885	145	0.2	8.7	95.5	8.7	95.5	<0.0005	<0.0005
Mercury	4	0.2	50	16	0.8	200	200	<0.1	<0.5	2.8	2.8	<0.1	<0.5	8.7	8.7	95.5	<0.0005	<0.0005	
Benzo(a)pyrene	0.8	0.04	10	3.2	0.16	23	23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Sum of reported PAH	-	-	200	-	-	800	800	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Asbestos	-	-	-	-	-	-	-	No	No	No	No	No	No	No	No	No	No	No	
TPH C6-C9	-	-	650	-	-	2600	2600	650	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
TPH C10-C36	-	-	10000	-	-	40000	40000	10000	280	280	280	280	280	280	280	280	280	280	
Benzene	10	0.5	18	40	2	72	72	10	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Toluene	288	14.4	518	1152	57.6	2073	2073	288	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Ethylbenzene	600	30	1080	2400	120	4320	4320	600	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Xylenes	1000	50	1800	4000	200	7200	7200	1000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Scheduled Chemicals	-	-	<50	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
PCB	-	-	<50	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	

**Notes:**

- mg/kg = milligrams per kilogram.
- mg/L = milligrams per litre
- < = not detected above LOR
- = not analysed and/or no criteria
- Shading = Interpreted Classification
- Red = interpreted Hazardous Waste

**Table 8 - Groundwater Results**

Sample Location	Sample Type	Sample Date	SWL (m)	BTEXN						TRH						Metals						PAH						VHC							
				Benzenes	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Naphtalene Total	Naphtalene	C6 - C10	C6 - C10 minus BTEX (F1)	Y-C10 - C16	Naphthalene (F2)	Y-C16 - C34	Y-C34 - C40	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Mercury	B(a)p	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,2-Dichloroethene (1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	Chloroethene (Vinyl chloride)	Tetrachloromethane (carbon tetrachloride)	Hexachlorobutadiene			
		ASC NEM HSL D. (SAND 2-4m)	5000	NL	NL	NL	NL	NL	6000																										
		ASC NEMM Marine Water GIL	500	NL	800	300																													
		ASC NEMFM Drinking Water GIL	1	800	300																														
MMW01	Primary	31/08/2015	1.086	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
OC200	RPD	31/08/2015		nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc		
MMW16	Primary	31/08/2015	3.16	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW17	Primary	31/08/2015	3.065	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW19	Primary	31/08/2015	2.449	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW21	Primary	31/08/2015	2.026	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
OC201	Rinsate	31/08/2015		<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
TB	Tip Blank	31/08/2015		<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW01	Primary	12/02/2020	0.677	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW16	Primary	12/02/2020	2.749	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW17	Primary	12/02/2020	2.647	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW19	Primary	12/02/2020	2.034	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW21	Primary	12/02/2020	1.643	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW102	Primary	12/02/2020	0.941	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
OC306	MMW102	12/02/2020		<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MMW105	RPD	12/02/2020	1.811	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
MMW115	Primary	12/02/2020	1.438	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
OC304	Rinsate	12/02/2020		<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
OC305	Tip Blank	12/02/2020		<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

**Notes**

- µg/L = micrograms per litre
- All results and criteria = µg/L
- LOR = Limit of Reporting
- RPD = Relative Percentage Difference
- nc = not calculated, result(s) < LOR
- NL = Not Limiting - A vapour source concentration for a petroleum mixture could not exceed a level that would result in the maximum allowable vapour risk for the given scenario.
- < denotes result less than LOR
- Marine water GIL for Cadmium and Nickel: ANZG (2018) DGV, 95% protection level
- Bod/Italc = RPDs-30%**
- ES200513: sample MMW115 is MW115 (mislabelled by laboratory)
- Shading/bold = result > HSL D or GIL**

**Table 9 - Soil QC**

Sample ID	Sample Type	Sample Date	C6 - C10 Fraction		C6 - C10 Fraction minus BTEX (F1)		Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QC300	TB	28/01/2020	<20	<20	>20	>20	<1	<2	<2	>2	<5
QC302	RB	30/01/2020	<20	<20	<20	<20	<1	<2	<2	<2	<5
QC303	RB	31/01/2020	<20	<20	<20	<20	<1	<2	<2	<2	<5
QC304	RB	03/02/2020	<20	<20	<20	<20	<1	<2	<2	<2	<5

TB = trip blank  
 RB = rinsate blank