



REMEDIATION ACTION PLAN: COOKS COVE DEVELOPMENT ZONE

PREPARED FOR COOK COVE INLET PTY LTD. CES Document Reference: CES130608-BP-AS

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Document Control

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EXECUTIVE SUMMARY

This report has been prepared by Consulting Earth Scientists Pty Ltd (CES), on behalf of Cook Cove Inlet Pty Ltd (the Client), to support the public exhibition and assessment of the Cooks Cove Planning Proposal (PP-2022-1748), which was issued a Gateway Determination by the Department of Planning and Environment on 5 August 2022. The proposal seeks to amend Bayside Local Environmental Plan 2021 (BLEP 2021) to rezone and insert planning controls for certain land known as Cooks Cove within the BLEP 2021.

The Cooks Cove Planning Proposal aims to facilitate the long-planned transformation of 36.2ha of underutilised and strategically important land at Arncliffe, located to the north of the M5 Motorway and adjacent the western foreshore of the Cooks River. The project seeks a renewed focus on delivering a contemporary logistics and warehousing precinct within a well-connected location, surrounded by enhanced open space provisions. The site forms part of the broader Bayside West 2036 Precincts and generally comprises the footprint of the former Kogarah Golf Club, now in part occupied by a temporary M6 Stage 1 construction compound.

The Environmental Site Assessment (ESA) and subsequent Remediation Action Plan are required to satisfy State Environmental Planning Policy (Resilience and Hazards) 2021 former State Environmental Planning Policy No 55—Remediation of Land (SEPP 55).

The Cooks Cove Master Plan, as prepared by Hassell, represents an optimised and refined reference scheme, to guide best practice design and the preparation of detailed planning controls to achieve an attractive precinct with high amenity. Key features of the Cooks Cove Master Plan are:

- A net development zone of approximately 15ha with up to 343,250m² Gross Floor Area (GFA) comprising
 - o 290,000m² of multi-level logistics and warehousing;
 - o 20,000m² for hotel and visitor accommodation uses;
 - o 22,350m² for commercial office uses;
 - o 10,900m² of retail uses;
- Multi-level logistics with building heights generally up to 5 storeys (approx. 48m)
- A retail podium with commercial office and hotel above, up to a total of 12 storeys (approx. 51m)
- Built form of a scale and composition which caters for the generation of approximately 3,300 new jobs
- A surrounding open space precinct including:

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- A highly activated waterfront including the Fig Tree Grove outdoor dining and urban park precinct
- A significant contribution to the extension of the regional Bay to Bay cycle link, 'Foreshore Walk', including active and passive recreational uses, together with environmental enhancements
- Master planned and Council-owned 'Pemulwuy Park' with an agreed embellishment outcome of passive open space and environmental enhancements to be delivered in stages post construction of the M6 Stage 1 Motorway
- Complementary on and off-site infrastructure to be delivered by way of State and Local Voluntary Planning Agreements.

The Cooks Cove Development Zone (the site) is located to the north of the Southern and Western Suburbs Ocean Outfall Sewer (SWSOOS), and is generally bound by the Cooks River to the east and Marsh Street to the north and west. The site is approximately 36.2ha and is owned and managed by a number of landowners, both public and private. Surrounding development includes the Sydney Airport International Terminal precinct, Mercure Sydney Airport, an area of low density dwellings presently transitioning to medium-high density residential flat buildings, recreation and open space facilities and road and airport related infrastructure.

The 2008 environmental site assessments of the site (identified as Area A and Area B at the time) determined the area of the site referred to as, and currently occupied by, the WestConnex M8 and M6 Stage 1 Motorway Temporary Compound, as suitable for use as public open space. No knowledge of further contaminating sources had been introduced between 2008 and 2023 and as such the suitability of the site for the proposed use remained the same. It is understood by CES that Westconnex took possession of the site in 2016 and as such committed to returning the site to a suitable condition for use as public open space at the completion of their works. Therefore, CES has not included the current Westconnex temporary compound in this remediation action plan .

The temporary construction compound for the WestConnex M8 and M6 Stage 1 Motorway tunnelling works was originally established in June 2016. The temporary construction facility occupies approximately 7.5ha and is expected to remain until 2025. At this time the facility will reduce to 1.5ha to accommodate the permanent Arncliffe Motorway Operations Complex (MOC), located in the western corner of the site, adjacent Marsh Street. The complex will house ventilation and water treatment plant and maintenance equipment for both the M6 and M8 sub-grade motorways.

This report applies to the Cooks Cove Development Zone (the site) and addresses the requirement for a remedial action plan (RAP) specified by the Environmental Site Assessment (ESA).

The site covers approximately 36 ha and is currently occupied by the fairways and greens of the Kogarah Golf Club golf course. The site currently comprises the temporary WestConnex compound, a 7.5 ha block of land that is being used by WestConnex. This area is referred to as



the WestConnex Temporary Compound (WTC). This area was assessed in 2008 as being suitable for the ongoing use of the site as public open space. The condition of the WTC is not currently known, since it is being occupied and used by WestConnex. However, it is understood, through contractual arrangements, that WestConnex will return the site to Bayside Council in a condition that is suitable for its future use.

This report comprises a consolidation of the previous Area A and Area B RAPs (CES Document References: CES050706-BCC-22-F, Rev. 0 and CES050706-BCC-23-F Rev. 1, dated 28 and 29 July 2008, respectively) and addresses the minimum remediation and management requirements to be implemented as part of the redevelopment of the site. This RAP will be exhibited in conjunction with the public exhibition of the Cooks Cove Planning Proposal.

With the exception of BTEX impact in fill material surrounding bowsers and USTs located within the Kogarah Golf Club House car park and benzo(a)pyrene, copper and lead identified hotspots, the soil across the site does not contain contamination such that extensive remediation would be necessary to make the site suitable for the proposed mixed land use. However, it will be necessary prior to redevelopment of the site to remediate the impacted areas by decommissioning and removing the USTs and associated infrastructure; removing/managing benzo(a)pyrene, copper, and lead impacted soils and to ensure that fragments of Asbestos Containing Materials present in mainly surface fill in limited areas across the site are managed and disposed safely and in accordance with regulations.

In summary, remediation works will involve the excavation and off-site disposal of the four USTs, pipework, bowsers and vent pipework, excavation and off-site disposal of impacted soils immediately adjacent to the USTs and replacement with clean imported material; and the placement of a clean soil barrier for benzo(a)pyrene, copper and lead impacted soils. The excavated material must be appropriately stockpiled on-site, with any surplus material that needs to be removed from site to be classified in accordance with NSW EPA (2014) guidelines and transported to an appropriate landfill facility.

Where fragments of ACM are located at the surface, they will be collected by an AS1 licenced contractor and disposed to an appropriate landfill facility.

The management measures to be used for the site contamination will be recorded in a Site Management Plan (SMP).

It is concluded that if the RAP and a subsequent SMP are implemented the site will be suitable for the proposed use.



REMEDIATION ACTION PLAN: COOKS COVE DEVELOPMENT SITE

PREPARED FOR COOK COVE INLET PTY LTD

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LIST OF ABBREVIATIONS

ACM Asbestos Containing Material

ASS Acid Sulfate Soil

CCI Cooks Cove Inlet Pty Ltd

BTEX Benzene, Toluene, Ethylbenzene and Total Xylenes

CES Consulting Earth Scientists Pty Ltd
CLM Contaminated Land Management

COC Chain of Custody

CT Contaminant Threshold
CV Coefficient of Variation
DQO Data Quality Objectives

EIL Ecologically-based Investigation Level

EPA Environment Protection Authority
HIL Health-based Investigation Level
mAHD metres Australian Height Datum
mBGL metres Below Ground Level

nd not detectable
NSW New South Wales

OCP Organochlorine Pesticide

PAH Polycyclic Aromatic Hydrocarbon PAAH Phenoxyacetic Acid Herbicides

PCB Polychlorinated Biphenyl
PQL Practical Quantitation Limit

QA/QC Quality Assurance and Quality Control

RPD Relative Percentage Difference

SAC Site Assessment Criteria

SD Standard Deviation

TPH Total Petroleum Hydrocarbons

UCL Upper Confidence Limit

USEPA United States Environmental Protection Agency

VOC Volatile Organic Compound



REMEDIATION ACTION PLAN: COOKS COVE DEVELOPMENT SITE

PREPARED FOR COOK COVE INLET PTY LTD

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1 INTRODUCTION

This report has been prepared by Consulting Earth Scientists Pty Ltd (CES), on behalf of Cook Cove Inlet Pty Ltd (the Client), to support the public exhibition and assessment of the Cooks Cove Planning Proposal (PP-2022-1748), which was issued a Gateway Determination by the Department of Planning and Environment on 5 August 2022. The proposal seeks to amend Bayside Local Environmental Plan 2021 (BLEP 2021) to rezone and insert planning controls for certain land known as Cooks Cove within the BLEP 2021.

The Cooks Cove Planning Proposal aims to facilitate the long-planned transformation of 36.2ha of underutilised and strategically important land at Arncliffe, located to the north of the M5 Motorway and adjacent the western foreshore of the Cooks River. The project seeks a renewed focus on delivering a contemporary logistics and warehousing precinct within a well-connected location, surrounded by enhanced open space provisions. The site forms part of the broader Bayside West 2036 Precincts and generally comprises the footprint of the former Kogarah Golf Club, now in part occupied by a temporary M6 Stage 1 construction compound.

The Environmental Site Assessment (ESA) and subsequent Remediation Action Plan are required to satisfy State Environmental Planning Policy (Resilience and Hazards) 2021 former State Environmental Planning Policy No 55—Remediation of Land (SEPP 55).

The Cooks Cove Master Plan, as prepared by Hassell, represents an optimised and refined reference scheme, to guide best practice design and the preparation of detailed planning controls to achieve an attractive precinct with high amenity. Key features of the Cooks Cove Master Plan are:

- A net development zone of approximately 15ha with up to 343,250m² Gross Floor Area (GFA) comprising
 - o 290,000m² of multi-level logistics and warehousing;
 - o 20,000m² for hotel and visitor accommodation uses;
 - o 22,3500m² for commercial office uses;
 - o 10,900m² of retail uses;
- Multi-level logistics with building heights generally up to 5 storeys (approx. 48m)
- A retail podium with commercial office and hotel above, up to a total of 12 storeys (approx. 51m)
- Built form of a scale and composition which caters for the generation of approximately 3,300 new jobs
- A surrounding open space precinct including:

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- A highly activated waterfront including the Fig Tree Grove outdoor dining and urban park precinct
- A significant extension to the regional Bay to Bay cycle link, 'Foreshore Walk', including active and passive recreational uses, together with environmental enhancements
- Master planned and Council-owned 'Pemulwuy Park' with an agreed embellishment outcome of passive open space and environmental enhancements to be delivered in stages post construction of the M6 Stage 1 Motorway
- Complementary on and off-site infrastructure to be delivered by way of State and Local Voluntary Planning Agreements.

Cooks Cove is located in the suburb of Arncliffe within the Bayside Council Local Government Area (LGA). The site is located to the west of the Cooks River, approximately 10 km south of the Sydney Central Business District (CBD). The site enjoys adjacency to key trade-related infrastructure being immediately west of Sydney Kingsford Smith International Airport and approximately 6 km west of Port Botany.

Cooks Cove is strategically located within close proximity to a number of railway stations including Banksia, Arncliffe, Wolli Creek and the International Airport Terminal, which vary in distance from the site between 700m and 1.1km. The M5 Motorway, providing regional connectivity to the Sydney Metropolitan area, runs in an east-west direction immediately to the south of the site. The M8 and M6 Motorways are, and will be, constructed in tunnels approximately 60 metres beneath the adjoining Bayside Council 'Trust' lands. The Sydney Gateway project, presently under construction to the immediate north of Cooks Cove and Sydney Airport, will substantially improve future accessibility to the St Peters interchange and the wider M4/M5 WestConnex network, via toll free connections, as well as the Domestic Airport and Port Botany.

The Cooks Cove Development Zone is located to the north of the Southern and Western Suburbs Ocean Outfall Sewer (SWSOOS), and is generally bound by the Cooks River to the east and Marsh Street to the north and west. The site is approximately 36.2ha and is owned and managed by a number of landowners, both public and private. Surrounding development includes the Sydney Airport International Terminal precinct, Mercure Sydney Airport, an area of low density dwellings presently transitioning to medium-high density residential flat buildings, recreation and open space facilities and road and airport related infrastructure.

The 2008 environmental site assessments of the site (identified as Area A and Area B at the time) determined the area of the site referred to as, and currently occupied by, the WestConnex M8 and M6 Stage 1 Motorway Temporary Compound, as suitable for use as public open space. No knowledge of further contaminating sources had been introduced between 2008 and 2023 and as such the suitability of the site for the proposed use remained the same. It is understood by CES



that WestConnex took possession of the site in 2016 and as such committed to returning the site to a suitable condition for use as public open space at the completion of their works. Therefore, CES has not included the current WestConnex temporary compound in this environmental assessment.

The temporary construction compound for the WestConnex M8 and M6 Stage 1 Motorway tunnelling works was originally established in June 2016. The temporary construction facility occupies approximately 7.5ha and is expected to remain until 2025. At this time the facility will reduce to 1.5ha to accommodate the permanent Arncliffe Motorway Operations Complex (MOC), located in the western corner of the site, adjacent Marsh Street. The complex will house ventilation and water treatment plant and maintenance equipment for both the M6 and M8 sub-grade motorways.

This report applies to the Cooks Cove Development Zone (the site) only and addresses the requirement to satisfy State Environmental Planning Policy (Resilience and Hazards) 2021 former State Environmental Planning Policy No 55—Remediation of Land (SEPP 55).

This report refers to the Cooks Cove Development Zone, which is approximately 36.8ha and is owned and managed by a number of landowners, both public and private, including Kogarah Golf Club (KCG).

This Remediation Action Plan (RAP) refers to the consolidated former study areas of Area A and Area B (the site) (Figure 2). The site covers approximately 36.8 Ha and is currently occupied by Area A (northern portion) consisting the Clubhouse, maintenance sheds, car park, fairways and greens of the KGC and by Area B (southern portion) consisting fairways and greens of the KGC.

This consolidation has required the following changes:

- An amendment to the site boundaries was required since a portion of the site will be temporarily occupied (during the construction of the WestConnex project) by the WestConnex Temporary Compound (WTC) and will be permanently occupied by the Arncliffe Motorway Complex (MOC). These areas are defined in Figure 2. After completion of the WestConnex project, the WTC will be returned by the current occupants to its previous condition and handed back for incorporation into passive open space adjoining the Cooks Cove Development Zone. The MOC area will be retained permanently, and as such is no longer part of the site.
- The proposed development in 2008, comprised a Trade and Technology Zone. The current proposal comprises a new mixed use community incorporating a variety of uses including recreation, commercial, retail, hotel and multi-level logistics and warehousing land uses.



The RAP is based on the results of the CES (2008) Environmental Site Assessment: Area A, Proposed Trade and Technology Zone, Cooks Cove Development Site, Prepared for Cook Cove Pty Ltd (Ref: CES050706-BCC-17-F) and CES (2008) Environmental Site Assessment: Area B, Proposed Golf Course North, Cooks Cove Development Site, Prepared for Boyd Cook Cove (Ref: CES050706-BCC-18-D). These documents have been consolidated in CES *Environmental Site Assessment, Cooks Cove Development Zone* (CES document referenced: CES130608-BP-AR) and addresses the minimum remediation and management requirements to be implemented as part of the redevelopment of the site. This RAP is to be publicly exhibited with the Cooks Cove Planning Proposal.

This RAP has been prepared in general accordance with the requirements specified by the NSW Environment Protection Authority (NSW EPA) in the *Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites* (NSW EPA, 2011).

It is noted that the *Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites* (NSW EPA, 2011)have been superseded by NSW EPA 2020, *Contaminated Land Guidelines: Consultants Reporting on Contaminated Land*.

Based on a review of the new guidelines, overall, the RAP has been completed in general accordance with the updated guidelines and not impacted the assessment.



2 OBJECTIVES AND SCOPE OF WORKS

The principal objective of the RAP is to provide a strategy for the remediation of contamination identified on site to a standard suitable for the Cooks Cove Planning Proposal land-use concept including logistics warehousing, commercial retail and office, cafes and restaurants, tourist and visitor accommodation, , recreation, and community facilities. The RAP also seeks to ensure that works will have a minimal impact on the surrounding environment, with minimal human exposure to contaminants during the remediation works by adopting standard practices outlined in relevant legislation, guidelines and other publications.

The scope of works for the RAP is as follows:

- Identification of the contamination requiring remediation or management;
- Definition of remediation goals and Remediation Acceptance Criteria (RAC);
- Evaluation of remediation strategies and options;
- Provision of an outline of remediation methods for the site;
- Preparation of a conceptual WH&S plan to minimise the risk of exposure of remediation staff to contaminants; and
- Preparation of a conceptual environmental management plan to minimise the impact of remediation works on the surrounding environment.

Following the execution of the remediation works, a validation report will be prepared. The objective of the validation report will be to document that the site has been remediated to a standard commensurate with the proposed land use.

This RAP does not include the area within the WTC within the site. The temporary WestConnex facility occupies approximately 7.5ha. A separate RAP and validation report (if required) will be prepared for this area by WestConnex at the completion of the WestConnex occupancy of the site.

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3 SITE INFORMATION

A summary of relevant site information is provided below.

3.1.1 Site Description

Cooks Cove

Cooks Cove is located in the suburb of Arncliffe within the Bayside Council Local Government Area (LGA). The site is located to the west of the Cooks River, approximately 10km south of the Sydney Central Business District (CBD). The site enjoys adjacency to key trade-related infrastructure being immediately west of Sydney Kingsford Smith International Airport and approx 6km west of Port Botany.

Cooks Cove is strategically located within close proximity to a number of railway stations including Banksia, Arncliffe, Wolli Creek and the International Airport Terminal, which vary in distance from the site between 700m and 1.1km. The M5 Motorway, providing regional connectivity to the Sydney Metropolitan area, runs in an east-west direction immediately to the south of the site. The M8 and M6 Motorways are, and will be, constructed in tunnels approximately 60 metres beneath the adjoining Bayside Council 'Trust' lands. The Sydney Gateway project, presently under construction to the immediate north of Cooks Cove and Sydney Airport, will substantially improve future accessibility to the St Peters interchange and the wider M4/M5 WestConnex network, via toll free connections, as well as the Domestic Airport and Port Botany.

The Cooks Cove Development Zone is located to the north of the Southern and Western Suburbs Ocean Outfall Sewer (SWSOOS), and is generally bound by the Cooks River to the east and Marsh Street to the north and west. The site is approximately 36.2ha and is owned and managed by a number of landowners, both public and private. Surrounding development includes the Sydney Airport International Terminal precinct, Mercure Sydney Airport, an area of low density dwellings presently transitioning to medium-high density residential flat buildings, recreation and open space facilities and road and airport related infrastructure.

Kogarah Golf Club

Kogarah Golf Club was established in 1928, with the Club occupying the land subject to the Planning Proposal boundary since 1955. At this time, the Cooks River was reconfigured to its current alignment to accommodate the expansion of Sydney Airport. The land presents a highly modified environment, with relatively flat topography, gently moulded fairways and greens, separated by strips of vegetation and man-made water bodies. The golf course clubhouse, car park and maintenance facilities are located in the northern corner of the site, adjacent the Cooks River. Access is provided via Levey Street. The members of Kogarah Golf Club will relocate from the site in May 2024 to new playing facilities.

Arncliffe Motorway Operation Complex

The temporary construction compound for the WestConnex M8 and M6 Stage 1 Motorway tunnelling works was originally established in June 2016. The temporary construction facility

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occupies approximately 7.5ha and is expected to remain until 2025. At this time the facility will reduce to 1.5ha to accommodate the permanent Arncliffe Motorway Operations Complex, located in the western corner of the site, adjacent Marsh Street. The complex will house ventilation and water treatment plant and maintenance equipment for both the M6 and M8 sub-grade motorways.

RTA Frog Ponds

The site contains the existing RTA Frog Ponds, located in the south-west corner of the site, adjacent Marsh Street and SWSOOS. The two fenced areas contain ponds, constructed by the RTA as part of the M5 Motorway construction in 2002, as compensatory habitat for the Green and Golden Bell Frog.

Easements and Affectations

The Sydney Desalination Plant pipeline runs through the development zone, north-south adjacent the Cooks River. The pipe has a diameter of 1.8m and sits within an easement of 6-9m in width. From south to north the pipeline is constructed in a combination of trench and above ground with mounded cover and then transitions to micro-tunnel and typical depth of circa 11m. The Moomba to Sydney Pipeline, containing ethane gas, follows a similar general alignment north-south adjacent the Cooks River. The pipe has a nominal 225mm diameter, within an easement generally 5m wide and with the pipe located at a depth of 1.2m-2.3m..

3.2 Site Identification

The site is referred to as the Cooks Cove Development Zone, Cooks Cove, NSW. The site was previously referred to as the Northern Precinct and Areas A and B but have been consolidated as one portion of land in this report.

The site covers an area of approximately 36 Ha of which 15ha is proposed to be developed.

This reports details the assessment of the site area covering approximately 29.5 ha of the site of which does not include the current Westconnex M8 and M6 Stage 1 Motorway temporary compound (WTC) or the parcel of land legally identified as Lot 31 DP1231486, It is understood by CES that the area occupied by the WTC has been disturbed by recent site works and is no longer indicative of the historic ground conditions. It is understood that WestConnex have committed to returning the site to a suitable condition for use as public open space at the completion of their works. Lot 31 has been subject to its own Environmental Site Assessment Report. The legal description of the site is Part of Lot 1 Deposited Plan (DP) 329283, Lot 1 DP 108492, Lot 14 DP 213314 and Lot 100 DP 1231954. It is located within the Local Government Area (LGA) of Bayside, Parish of St George, County of Cumberland.

A plan showing the site layout is presented in Figure 2.



3.3 Site Zoning and Land-use

The site is currently zoned a combination of Open Space, Trade and Technology and Special Use land use under the State Environmental Planning Policy (Precincts—Eastern Harbour City) 2021. It is proposed to rezone the site for SP2 Infrastructure, RE1 Public Recreation and SP4 Enterprise uses.

3.4 Topography

A review of the Botany Bay 1:25000 Topographic map (9130-3-S) indicated that the site elevation ranges from 0 to 10 m above Australian Height Datum (AHD). The northern site topography has been significantly modified through the placement of fill material over the original swamp and delta. An undulating surface has been landscaped to form the golf course including several small lakes as shown on Figure 2. The southern portion of the site generally drains in an easterly direction towards the Cooks River, although localised flow paths occur across the golf course, including an un-named intermittent stream draining the golf course shown on the 1:25000 Topographic Map. In addition, the central portion of the golf course drains internally towards a series of lakes.

3.5 Geology and Soils

A review of the Sydney 1:100 000 Geological Series map indicates that the site is underlain by silty to peaty quartz sand, silt and clay. Ferruginous and humic cementation occurs in places with common shell layers also reported. These shell layers were also observed during field investigations. The material encountered is most likely of alluvial origin, deposited as sub-aerial and sub-aqueous components of the Cooks River delta. The deposit has been reworked significantly in the last century as part of river diversion and training works. These works would have involved significant dredging operations.

An outcrop of Hawkesbury Sandstone is also shown in the location of the existing Kogarah Golf Club House. A review of the Sydney 1: 100 000 Soil Landscape Sheet 9130 and field investigations indicated that the site is underlain by anthropogenic fill materials which are believed to have been dredged from the Cooks River and deposited on the site to form the KGC golf course.

Natural soil comprised sand and silty or clayey sand ranging in colour from pale to dark grey and brown with shells. Silty clay lenses, clayey sand and clay were encountered in places and were typically dark brown, dense and moist.

3.6 Hydrogeology

3.6.1 Regional Hydrogeology

The groundwater at this site lies within a shallow unconfined aquifer, with expected localised layers of low permeability (e.g. clay, peat and layers of localised iron-cemented sand) that may act

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as local confining layers. Groundwater at the site flows in an easterly direction towards the Cooks River.

The Cooks River, Muddy Creek and the Spring Street Canal are tidal in the study area. Saline or brackish intrusion occurs around the periphery of the site as indicated by the decreasing electrical conductivity from east to west measured in groundwater wells installed along the southern boundary during the ESA. Diurnal fluctuations in groundwater levels in the peripheral areas are also expected to occur in response to tidal cycles.

3.6.2 Local Hydrogeology

CES (2001) undertook a search of the groundwater database at the DLWC (now DIPNR). A total of 69 registered groundwater wells were identified within a 2 km radius of the centre of the Cooks Cove Development site. Twenty-five wells are registered for "General Use" with a further 17 registered for "Domestic Use". Wells for general use were registered between 1950 and 1969, while wells for domestic use were registered between 1991 and 2000. It is proposed that general and domestic wells refer to use by private persons for non-potable use. The different classes are attributed to a change in well classification methods by the DLWC.

Three wells are registered for recreational or irrigation use. All of these wells are registered to local sporting facilities, including the Kogarah Golf Club (installed in 1966). Twenty one of the wells are registered for environmental monitoring or testing. Sixteen of the wells, number of which may be located within Area B, are registered in association with the M5 East Motorway. Inspection of DLWC work summaries reveals reported well yields of up to 3.0 L s⁻¹, with most yields of the order of 0.5 L s⁻¹. The salinity of wells installed is reported as "good". These data indicate that the study area is surrounded and underlain by relatively permeable strata. Low ("good") salinity of water extracted from the wells indicates that saline or brackish intrusion is likely to be limited to peripheral areas adjacent to the Cooks River and tidal reaches of tributaries thereof. This was confirmed in measurements collected during the ESA (CES, 2008).

3.7 Acid Sulfate Soils

A review of the Botany Bay Acid Sulfate Soil Risk Map (2nd Ed, 1997) produced by the DLWC indicated that the site is located in an area of "... high probability of occurrence of acid sulfate soil materials. The environment of deposition has been suitable for the formation of acid sulfate soil materials. Acid sulfate soils materials are widespread or sporadic and may be buried by alluvium or windblown sediments".

Field observations show that Potential Acid Sulfate Soils are located between 1 and 3 m below the ground surface, that is, below the water table. Potential Occurring Acid Sulphate Soils (POCASS) were encountered during the drilling program of the Environmental Site Assessment (ESA) by



CES as some fill and soil exhibited the following characteristics (as defined in the ASSMAC 1998):

- A sulphurous smell;
- pH less than 3 (field tests);
- Groundwater table was encountered;
- Presence of shells; and
- Fill and soils were classified as estuarine silty sands or sands (mid to dark grey).

3.8 Site History

3.8.1 Historical Aerial Photographs

Historical aerial photographs from the Department of Land and Water Conservation were examined. Aerial surveys have typically been conducted every 8-10 years with the earliest photographs being taken in 1930. The following photographs were examined for this report: 1930; 1951; 1961; 1970; 1978; 1986 and 1999. In addition, the 1943 aerial photograph acquired by the Department of Main Roads (DMR), now the Roads and Maritime Services (RMS), was also examined. The findings of air photo investigations are as presented below.

3.8.2 1930 (DLWC)

Cooks River is more torturous than at present day and does not adjoin the north-eastern section of the site as it does today. Muddy Creek and lower Cooks River are very thin and appear to be small tributaries off the main river only. The Cooks River outlet to Botany Bay is further north than presently located.

The study area has been subdivided. The northern half of the area presently occupied by Kogarah Golf Club, appears to be comprised of paddocks (possibly market gardens). The house in the north eastern part of the site presently utilised as the clubhouse has been built and may be surrounded by a few smaller buildings and a number of large trees. The southern half of the present day golf course and the area to the south has been subdivided and appears sandy with some scrubby vegetation.

The water main easement running across the Cooks River from the western to the eastern banks is present. Although property to the north west of the site adjoining the river appears to comprise sand it does seem to have been landscaped. River bank is in the present day location. Neighbouring areas to the west and north west are predominantly paddocks although some industrial buildings are present. Land south west of the site has been urbanised. East of the site across the lower Cooks River and Muddy Creek, the land is comprised of large subdivided blocks of dunes with some grass. White sand dunes occur on the north eastern side of the Cooks River.

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3.8.3 1943 (DMR)

The 1943 aerial photograph indicates that the Cooks River is still fairly torturous in comparison to the aligned state of the present day. A golf course (the Bonnie Doon Golf Course) is present on the site, with what appears to be the present day club house in position. The site is generally covered in vegetation with greens, fairways and bunkers evident with some patches of sandy areas and some sealed sections around the clubhouse.

Market Gardens are present to the south of the site, residential property to the west, open space to the north and the Kingsford Smith International Airport to the east.

3.8.4 1951 (DLWC)

The shape of Cooks River has been altered extensively with the lower parts of the river now bounding the property. Muddy Creek has been considerably widened and canalised. Spring Street Canal has been constructed, as has the present day channel opening of the Cooks River into Botany Bay. Dredges and sand stockpiles in the photo indicate that these works were still in progress at the time.

The entire area of the present day Kogarah Golf Club appears to have reverted back to grass-and scrub-covered sand dunes, with the southern half being sandier.

There is a continued build-up of industry in the neighbouring area to the north-west and airport developments on the eastern side of the river are continuing.

3.8.5 1961 (DLWC)

The Cooks River has been reshaped and repositioned since the 1951 photograph. The north eastern side of the property now bounds the river. In addition Muddy Creek has been significantly narrowed.

The northern part of the site is now occupied by the golf course and is close to the present day layout. Numerous vehicles were noted around the golf club.

To the north of the site, land on the rivers edge has been landscaped and some small buildings erected. Additional factories and houses have been built on properties to the north west of the site and numerous trucks and smaller vehicles are visible around these buildings. Airport runways and aircraft hangars have been completed on the eastern bank of the Cooks River and are in operation with numerous planes visible in this area.

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3.8.6 1970 (DLWC)

Additional alterations to the Cooks River have been performed since the 1961 photograph with the river essentially as in its present day form. Further industrial development has occurred to the north west of the site as well as superficial changes to other buildings in this area.

The construction of the airport overpass at the north eastern end of Marsh Street has commenced. Numerous construction site sheds are visible in on the north eastern corner of the Kogarah Golf Club. The golf course area is essentially the same as in the 1961 photograph although looking a little more grassy and with the addition of numerous small ponds.

3.8.7 1978 (DLWC)

The Kogarah Golf Club has been further landscaped with areas having been built up and additional ponds put in place. The western-most section of this area, previously occupied by market gardens is now included as part of the golf course.

To the north of the site demolition and construction of industrial buildings has occurred. The main span of the Marsh Street airport overpass has been constructed. Remaining neighbouring property appear essentially the same.

3.8.8 1986 (DLWC)

The site in general has not undergone many changes since the 1978 photograph.

To the north west of the site across Marsh Road, tennis courts have been built, as has the Airport Hilton in the place of the demolition area noted in the last photo. In addition, superficial changes have been made to other buildings in this area. A central section of the Marsh Street overpass to the airport has been constructed.

3.8.9 1999 (DLWC)

On the Kogarah Golf Course a large maintenance shed has been constructed on the northern most part of the property next to Marsh Street. In addition, a small building has been built in the middle of the golf course.

On neighbouring properties to the north small-scale construction and demolition works have been carried out. Houses on the corner of Marsh and West Botany Streets have been demolished. Directly north of the site across the river, some construction works or redevelopment activities are being carried out. The central section of the Marsh Street overpass to the airport has been completed.



3.8.10 1999- 2022 (Nearmap)

A review of the historical photographs produced on Nearmap (accessed 3 February2023) was undertaken. The review indicated no significant change to the site or its surrounds between the dates of 14 November 2009 and November 2022, with the exception of the construction of the Westconnex M8 and M6 Stage 1 Motorway Temporary Compound during August 2016 to date. The remaining data gap between the dates of 1999 and 2009 were unable to be addressed due to lack of photographic evidence, however the site did not appear to have significantly changed during this period when comparing the 1999 and 2009 aerial photographs.

3.8.11 Summary

A summary of the aerial photographs indicates that the site was part of the Cooks River delta and floodplain prior to its reclamation and development. The golf course has been required to move over time in concert with reclamation activities of former mangrove areas. Therefore, although the golf course has been present in the area since circa 1930, it has not always been in its existing location.

The following potentially contaminating activities have been carried out on the site:

- Introduction of contaminants in fill material. The most probable source of fill material is dredged spoil from the Cooks River and its delta; and
- Chemical inputs associated with the golf course such as fertilisers and pesticides.

In addition, the site is located to the immediate north of a number of former municipal landfill sites. It is understood that neither leachate nor gas management systems were constructed on these landfills. Consequently, the potential exists for either leachate or landfill gas to have migrated onto the site.



4 SITE CONDITION AND SURROUNDING ENVIRONMENT

4.1 CURRENT OWNER, OCCUPIER AND OPERATIONS

The Site is currently on land owned by Kogarah Golf Club Limited, with a section along Marsh Street on the western boundary owned by The Municipality of the Council of Bayside, and a section along the southern boundary (Part Lot 20 DP1224233) owned by Sydney Water Corporation. The entirety of the site, excluding the temporary WestConnex compound, is currently occupied by Kogarah Golf Club for their golf course, with the section owned by Bayside Council under lease to the Kogarah Golf Club.

4.2 SITE DESCRIPTION

The following description of the site is based upon a site inspection and information provided in previous reports.

Current access to the site is from Marsh Street via an underpass that crosses beneath the bridge that traverses the Cooks River. A car park, Club House and maintenance shed are located at the north eastern corner of the site. The remainder of the site consists of features typical of a golf course such as greens, fairways, sand bunkers and surface water bodies.

Vegetation on the site generally appeared to be healthy during fieldwork. No odours indicative of contamination or landfill gas were noted on the site (excluding during drilling and sampling within the Club House car park).

With the exception of the car park and access roads, the majority of the site is unsealed and used for a golf course. The areas encompassing the Club House and maintenance shed were sealed bitumen pavements with brick paths leading to the Club House from the course. All bituminous surfaces were in adequate conditions with no cracking or staining that was not associated with general everyday activities.

4.3 TANKS AND ASSOCIATED SERVICES

Prior to commencement of the field programme it was understood that one Underground Storage Tank (UST) was present in the north eastern corner of the site. During field investigations, CES were informed of the presence of a further three USTs in the north eastern corner.

One UST and bowser containing unleaded fuel, one UST and bowser containing diesel fuel and associated pipes were located adjacent to the maintenance shed and used to fuel the various items of plant operated by the course curators. A further UST was located with the centre of the Club House car park but was not in use. However, it is not known if the tank has been decommissioned. A waste oil UST was located between the course maintenance shed and the KGC entry. This tank is currently in use. The location of the USTs is shown in Figure 3a.

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4.4 SURROUNDING LAND-USE

Without gaining access, the properties immediately surrounding the site are as follows.

- North Marsh Street forms the northern boundary of the site. To the north of Marsh Street are the Mercure Hotel and St George Rowing Club;
- South Remainder of the golf course, followed by the M5 East and SWSOOS easements form the southern boundary of the site;
- *East* The Cooks River forms the eastern boundary of the site. To the east of the Cooks River is the International Terminal of Kingsford Smith Airport; and
- West Marsh Street and a wetlands area also forms the western boundary of the site.
 Residential properties are located on the western side of Marsh Street.

4.5 NSW EPA CONTAMINATED LAND RECORD

A search of the NSW EPA Contaminated Land Record was undertaken by CES for the Rockdale (Bayside) Council Local Government Area. It indicated that there are no notices relevant to the site on the Record.

4.6 INTEGRITY ASSESSMENT

Historical and site information was sourced from reputable NSW Government departments with no known interest in the site. CES have relied on the accuracy of the documentation provided and our experience in historical document interpretation. Whilst there is a small margin for error in interpretation, CES consider the information presented in this assessment to be accurate.

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5 SITE CHARACTERISATION

A characterisation of the site based on the results of the CES (2008) investigation and Environmental Site Assessment Cooks Development Zone (CES document reference: CES130608-BP-AR) is presented below. Tabulated investigation results are provided in Appendix 1.

It is noted that the updated plan uses the site boundary shown on the plans in Figure 2. The revised boundary excludes 7 boreholes (BBH416, BBH424, BH437, BBH444, BBH449, BBH454, BBH459). As these locations are outside of the site boundary, they have been removed from the updated assessment. In addition, one groundwater well (BMW403) and three gas wells (BLG401, BLG402, BLG403) are also outside the revised boundary, however, these were retained at the information from sampling of groundwater and gas is relevant to the revised subject site.

5.1 Soil

With the exception of copper, nickel, zinc, lead, Benzo(a)pyrene TEQ and BTEX the SAC for soil were not exceeded in samples of natural soil and fill analysed. The elevated concentrations of copper and lead at sampling location AMW207 were potentially associated with isolated metal shaving uncovered within the fill material at a depth of 0.5-0.7 mBGL.

The assessment criteria for heavy metals (copper, nickel, zinc, and lead) were exceeded in eighteen fill samples across the site. Three zinc concentrations in the fill exceeded the adopted ecologicalbased SAC. These exceedances lie within proposed Block 3C – Logistics hub and were at a depth below the top 2 metres of soil. As the zinc concentrations did not exceed adopted health-based SAC and were identified below this depth remediation is not considered necessary. Two lead concentrations in the fill material exceeded the adopted heath-based SAC and these lie within proposed Block 3C – Logistics hub. These samples (located in BBH430 and BBH433 bores) were collected from fill material a depth of between 2.4 and 2.6 mBGL. Considering these are located at a depth of between 2.4 metres and 2.6 metres and will be capped during construction of proposed buildings (i.e. Block 3C), it is not considered likely to cause a risk to human health of the future receptors, and as such does not require remediation. However, a management strategy for lead contaminated soils will be included in the Remediation Action Plan (RAP). Eight Copper concentrations in the fill material exceeded the adopted ecological-based SAC and varied in depth ranging between 0.2 m BGL and 2.6 m BGL. As the copper concentrations did not exceed adopted health-based SAC, and the 95% UCL calculation for copper in the fill material of 33.73 mg/kg was less than the adopted EILs, it is not considered likely to cause a risk to human health of the future receptors and remediation is not considered necessary.

The assessment criteria for BTEX were exceeded in four fill samples in the immediate vicinity of the underground storage tanks located close to the maintenance sheds at the northern end of the site and lie within proposed Fig Tree Grove pavilion.

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As a result of the elevated concentrations of BTEX, remediation and/or management measures are required to ensure protection of the environment and human health. The removal of the bowsers, USTs, associated pipework and impacted soil will be required under a Remediation Action Plan (RAP) as part of the redevelopment of the site.

Two Benzo(a)pyrene TEQ exceeded the adopted health-based SAC and lie within the proposed Flora Street intersection upgrade and extension in the east side of the site. These samples (located in BBH453 and BBH402) were collected from fill material a depth of between 0.2-0.3 mBGL in BBH453 and 0.5-0.6 mBGL in BBH402. As a result of the elevated concentrations of Benzo(a)pyrene TEQ, remediation and/or management measures are required to ensure protection of the environment and human health. The removal of the impacted soil will be required under a Remediation Action Plan (RAP) as part of the redevelopment of the site. Benzo(a)pyrene TEQ concentrations were not detected at depths greater than 0.3 mBGL in BBH453 and 0.6 mBGL in BBH402 and consequently the contamination is unlikely to extend underneath those depths.

Asbestos fibres were not found in near-surface fill during drilling works, however fragments of fibrous cement sheeting were found in surface fill in a limited number of locations across the site within fill on unsealed surface areas. Small scale remediation (localised) or management of the ACM fragments prior to the commencement of development construction will be required.

Potential Acid Sulfate Soils (PASS) are present in natural material below the water table. If these materials are not disturbed during the development process, they will not pose a risk to the local environment. However, it is expected that the planned development of the site may result in disturbance of the PASS, therefore, an acid sulfate soils management plan (ASSMP) will be required.

5.2 Groundwater

Sixteen groundwater wells were installed along the boundary of the site and within the site to assess whether contamination resulting from the presence of landfills to the south was migrating onto the site, with one well being placed in the centre. Four groundwater wells were installed surrounding USTs located in KGC Club House car park. Of the suite of substances analysed in the groundwater samples, copper, lead, nickel, zinc and ammonia were detected at concentrations that exceeded the SAC established for groundwater, while TPH C₆-C₁₄ and ethylbenzene concentrations above the laboratory detection limit were detected around the USTs adjacent to the maintenance shed.

With respect to the concentrations of TPH and BTEX exceeding the laboratory reporting limit, as the concentrations of these substances was only detected within ABH202 and ABH2105, the potential for migration of contaminants appears to be limited. Given the limited extent of the contamination, off-site migration is not considered an issue and with the impending development, no immediate management of the area over and above current maintenance are recommended.



With respect to metal concentrations, given the nature of the fill materials identified, and that the concentrations identified are unlikely to occur naturally in the soil types in the area, it is considered likely that metals contamination in groundwater were possibly sourced from dredged sediments and pore water placed on the site during the realignment of Cooks River.

With respect to the low concentrations of ammonia detected in groundwater, it is considered likely that the potential source of ammonia is naturally occurring organic content in the dredged material placed on the site during the realignment of Cooks River and minor impact of fertilizers used during maintenance of the golf course.

Given the fact that the Cooks River is free flowing, is not a stagnant water body and that it is highly degraded due to industrial pollution and stormwater run-off, it is therefore not a sensitive receptor. Consequently, CES considers the elevated metal concentrations and ammonia to have low potential to adversely impact the receiving waters. CES considers the potential risk to human health and the environment to not be significant or warrant active remediation.

Results from the February 2017 sampling event showed no significant change when compared to the results of the 2008 sampling event. It is CES' opinion that the groundwater chemistry at the site has not significantly changed since the 2008 sampling event.

5.3 Landfill Gas

Concentrations of methane, carbon dioxide and oxygen in the gas extracted from six subsurface gas monitoring wells installed along the southern perimeter of the site were not indicative of the presence of landfill gas, as such, there was no evidence that the former landfills to the south of the M5 East motorway are impacting on soil gas in the site.

The ground gas risk assessment, as outlined in NSW EPA (2012), was undertaken. The preliminary screening process did identify the potential source of landfill gas from the adjacent site, however, there was insufficient evidence to suggest risk to receptors and potential pathways of gas migration. Further assessment was not deemed necessary in consideration of the above findings.

It is noted that the NSW EPA (2012) guidelines have been superseded by NSW EPA (2020) Contaminated Land Guidelines: Assessment and management of hazardous ground gases. The risk assessment framework in the recent guidelines also recommends carrying out a preliminary screening based on the CSM and therefore the results of the risk assessment are still valid.

The elevated carbon dioxide concentrations with ALG204 can be attributed to the natural degradation of organic matter.

There is no obvious source to associate with the detection of toluene in ALG402. However, this location is off site and it is not deemed necessary investigate further.



5.4 Conclusions and recommendations

With the exception of BTEX impact in fill material surrounding bowsers and USTs located within the Kogarah Golf Club House car park and benzo(a)pyrene, copper and lead identified hotspots, the soil across the site does not contain contamination such that extensive remediation would be necessary to make the site suitable for the proposed mixed land use. However, it will be necessary prior to redevelopment of the site to remediate the impacted areas by decommissioning and removing the USTs and associated infrastructure; removing/managing benzo(a)pyrene, copper, and lead impacted soils and to ensure that fragments of Asbestos Containing Materials present in mainly surface fill in limited areas across the site are managed and disposed safely and in accordance with regulations.

It is recommended that a Remediation Action Plan (RAP) be prepared to address hydrocarbon-impacted areas associated with refuelling infrastructure in the Kogarah Golf Clubhouse car park, the areas of the benzo(a)pyrene, copper and lead hotspots, and the presence of fragments of asbestos cement sheeting on the site.



6 REMEDIATION GOAL AND STRATEGY OPTIONS

6.1 Remediation Goal

The remediation goal is to manage identified hotspots of Benzo(a)Pyrene (BaP), Copper, Lead and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) in soil and remove fragments of ACM at the surface in a manner that will have a minimal impact on the surrounding environment and minimal human exposure and result in the site being suitable for the redevelopment and change to a mixed use land-use, as defined by the Remediation Acceptance Criteria (RAC).

6.2 Remediation Options and Rationale for Selection

On-site treatment is the preferred option for site remediation followed by off-site treatment. If treatment is not possible or viable, options to be considered include the removal of soil off-site, isolation using a properly designed barrier and retaining soil *in situ* with appropriate management measures.

Considering the type of contamination detected (i.e. BaP, Cu, Pb, BTEX and fragments of ACM), only a small number of proven and commonly used remediation technologies are recommended for the remediation of these contaminants:

- Excavation and off-site disposal;
- *In-situ* capping/containment; and
- Clean soil barrier.

A brief description of each technology and suitability is provided below.

6.2.1 Excavation and Off-Site Disposal

This option would require all of the accessible material impacted by BaP and BTEX contamination and ACM fragments to be excavated and disposed of to an appropriately licensed landfill or waste treatment facility. The excavation of the material would be guided by a suitably qualified environmental scientist/engineer using visual and olfactory indicators.

The advantage of this option is that it will remove all of the accessible impacted material from the site. The main risks are potentially high costs associated with landfill disposal and treatment depending on the waste classification of the material and a greater than expected volume of impacted material. Delineation of the lateral extent of the contamination could be undertaken prior to excavation works to minimise the volume.

6.2.2 In-situ capping/containment

In-situ capping involves maintaining the material on site underneath an impermeable capping so that human access and water infiltration is prevented. Containment involves the full containment

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of the impacted fill material within an engineered cell. The construction of a containment cell involves the excavation of the contaminated material.

The main risk associated with these technologies are that the contamination is still present on site and as such, careful management, including preparation of site management plans and title notification, is required. There may also be some restrictions on site activities and the placement of structures. Excavation of the material exposes site workers to the contamination during remedial works.

6.2.3 Clean Soil Barrier

The hotspots of BTEX in soil have had a measurable impact on groundwater quality (CES, 2008), therefore the contamination encompassing the USTs could not be managed on site with the placement of a clean soil barrier.

6.2.4 Recommended Remediation Option

The recommended remediation options are determined by proposed end-use, as such, different remediation options have been recommended for each of the northern and southern portions of the site. The following paragraphs outline the recommended remediation options for the northern and southern portions of the site.

Northern Portion

As the site is proposed for mixed land-use and as the redevelopment is likely to expose the contaminated material through demolition and excavation, the most appropriate remediation for BTEX contaminated material encompassing the USTs is considered to be excavation and off-site disposal for the following reasons:

- Off-site disposal will remove the identified contamination from the site;
- No ongoing management of contamination and associated risk will be required on the site;
 and
- The greater Sydney area has suitably licensed landfill and waste treatment facilities to accept contaminated soil.

With respect to the fragments of ACM at the surface, all visible fragments at the surface must be collected by an appropriately licenced contractor and appropriately disposed to landfill. An occupational hygienist must inspect the area and provide a clearance certificate. An asbestos management plan must be prepared by an appropriately qualified and experienced consultant for the development works noting the procedures to be undertaken if additional ACM is encountered during the redevelopment.



Southern Portion

With respect to the two hotspots of BaP contamination, which were located in the east side of the site and within the proposed Flora Street intersection upgrade and extension, the placement of a clean soil barrier is considered to be the optimal remedial strategy. CES considers that a clean soil barrier with a minimum thickness of 0.5 m will be sufficient to prevent users of the site coming into contact with impacted surface soils.

Due to the depth of contamination at BBH430 and BBH433, it is possible that, subject to validation (i.e. analysis of two soil samples between 0 and 0.5 m for metals, TPH, PAH and asbestos), in-situ soil above these locations may be suitable for inclusion in a clean soil barrier layer. However, due to the shallow depth of contamination at BBH453 and BBH402, a clean soil barrier layer of minimum thickness 0.5 m is required to be applied. Subject to validation, some material for the clean soil barrier layer at BBH453 and BBH402 may be won elsewhere on site. The surface at BBH453 and BBH402 (and the other hotspot locations where in-situ soil is found to not be suitable for a clean soil barrier layer) should be prepared to a specification set by a Geotechnical Engineer prior to application of the clean soil barrier layer.

The clean soil barrier strategy will also require development of a long-term site management plan describing the impacted locations and procedures for future work in these areas (i.e. installation of services). Title notification (typically applied to the section 10.7certificate-previously known as Section 149 Certificates) will also be required. It should be noted that any site management plan will require approval by the site owners, who will be responsible for its implementation.

With respect to the fragments of ACM at the surface near BBH451 (approximate area of 5 m x 5 m), all visible fragments at the surface must be collected by an AS1 licenced contractor and appropriately disposed to landfill. An occupational hygienist must inspect the area and provide a clearance certificate. In addition, as the asbestos fragments were not associated with any particular site features (e.g. location of former structures), the occupational hygienist must inspect the surface of the entire site on a nominal grid of 25 m for randomly distributed asbestos fragments. This inspection should be undertaken before the AS1 licenced contractor demobilises from the site so that any additional fragments found during the inspection may be appropriately removed. The clearance certificate shall cover the nominated remediation area surrounding BBH451 and the entire site inspected on a 25 m grid.

An asbestos management plan must be prepared by an appropriately qualified and experienced consultant for the development works noting the procedures to be undertaken if additional ACM is encountered during golf course construction and earthworks.

6.2.5 UST Removal

The USTs are to be excavated as part of the redevelopment of the site, removal and appropriate off-site disposal of the USTs, bowsers and associated infrastructure should be undertaken in



accordance with the Australian Standard AS 4976-2008: *The Removal and Disposal of Underground Storage Tanks*, 2008. Notify the relevant local authority at least 30 days before the scheduled decommissioning work to identify if any planning requirements or approvals are needed. Note that USTs not used to store dangerous goods for a period of more than two years would need to be removed to comply with the UPSS Regulation . Following the removal of the USTs, bowsers, associated infrastructure and contaminated soil, validation of the excavations will need to be undertaken.

6.3 EXTENT OF REMEDIATION REQUIRED

The approximate extent of remediation and/or management is as follows.

6.3.1 Remediation of Northern Portion

The "hot spot" concentrations were located as follows:

- ABH2105, located on the western side of the USTs and bowsers contained concentrations of TPH C₆-C₉ (200 mg kg⁻¹), C₁₀-C₃₆ (850 mg kg⁻¹), benzene (8.9 mg kg⁻¹) and Total Xylenes (56.4 mg Kg⁻¹), within sample 150508-333-KW at a depth of 1.4-1.5mBGL;
- ABH2107, located between the USTs and bowsers contained concentrations of TPH C₆-C₉ (1400 mg kg⁻¹), C₁₀-C₃₆ (2590 mg kg⁻¹), benzene (51 mg kg⁻¹), toluene (390 mg kg⁻¹) and Total Xylenes (630 mg kg⁻¹) within sample 150508-341-KW at a depth of 1.0-1.1mBGL. The deeper sample contained concentrations of TPH C₆-C₉ (1900 mg kg⁻¹), TPH C₁₀-C₃₆ (4890 mg kg⁻¹) and benzene (96 mg kg⁻¹), toluene (470 mg kg⁻¹) and Total Xylenes (470 mg kg⁻¹) within sample 150508-342-KW at a depth of 1.5-1.6mBGL; and
- ABH2108, located south of the USTs contained concentrations of TPH C₆-C₉ (860 mg kg⁻¹), C₁₀-C₃₆ (3170 mg kg⁻¹), benzene (28 mg kg⁻¹), Toluene (150 mg/kg⁻¹) and Total Xylenes (338 mg kg⁻¹) within sample 150508-345-KW at a depth of 1.1-1.2mBGL.

The approximate area of impact is assumed to be half the lateral distance between the impacted borehole and the surrounding non-impacted boreholes. Using this hypothesis, approximate area of impacted soil requiring remediation encompassing the USTs (including bowsers and associated infrastructure) adjacent to and underlying the maintenance shed is approximately 320 m². Hotspots were not present at a depth greater than 1.6mBGL, however remediation and the subsequent validation should extend to a minimum depth of the base of the UST pit. The current maintenance shed will need to be demolished in order to access the contaminated material underlying the shed.

The single UST in the centre of the Club House car park and the waste oil UST (identified in the vicinity of ABH2106) will need to be decommissioned, excavated and removed from site prior to redevelopment. During the excavation of the USTs, the subsequent pits will need to be validated.

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The extent of the remediation and/or management required at the site is shown on Figure 3.

6.3.2 Remediation of Southern Portion

The "hot spot" concentrations were located as follows:

- BBH430, located in the eastern part of the site contained a concentration of lead of 2100 mg kg⁻¹ in a sample of fill (300408-107-KW) collected at a depth of 2.4-2.6 m. This sample was the deepest sample collected in this borehole, depth extent of lead contamination was not determined. Soils between 0 and 0.5 m at BBH430 should be analysed for metals, TPH, PAHs and asbestos to confirm the suitability of overlying soil to act as a clean soil barrier;
- BBH433, located in the eastern part of the site close to the northern boundary contained a concentration of lead of 4400 mg kg⁻¹ in a sample of fill (010508-159-KW) collected at a depth of 2.4-2.5 m. This sample was the deepest sample collected in this borehole, depth extent of lead contamination was not determined. Soils between 0 and 0.5 m at BBH433 should be analysed for metals, TPH, PAHs and asbestos to confirm the suitability of overlying soil to act as a clean soil barrier;
- AMW207, located in the eastern part of the site contained a concentration of copper 7500 mg/kg in a sample of fill (120508-219-KW) collected at a depth of 0.5-0.7. The deeper sample analysed (120508-220-KW) was below the SAC at 1.4-1.5 m. A clean soil barrier of minimum thickness 0.5 m is required at AMW207.
- BBH453, located in the eastern boundary contained a concentration of BaP of 8.8 mg kg⁻¹ and BaP TEQ 29.47 mg/kg⁻¹ in a sample of fill (300408-92-KW) collected at a depth of 0.2-0.3 m. The deeper sample analysed for BaP and BaP TEQ (290408-93-KW) was below the SAC at 0.55-0.65 m. A clean soil barrier of minimum thickness 0.5 m is required at BBH453.
- BBH402, located in the eastern boundary contained a concentration of BaP of 2.7 mg kg⁻¹ and BaP TEQ 11.87 mg/kg⁻¹ in a sample fill (280408-06-KW) collected at a depth of 0.5-0.6. The deeper sample analysed for BaP and BaP TEQ was below the SAC at 0.8-0.9 m. A clean soil barrier of minimum thickness 0.5 m is required at BBH453.

The approximate area of impact is assumed to be half the lateral distance between the impacted boreholes and the surrounding non-impacted boreholes. The approximate lateral extent of the remediation and/or management required at the site is shown on Figure 3.

It is noted that additional soil sampling may be undertaken at the request of the site owner to delineate the soil impact and reduce the lateral extent of soil barrier that is to be applied. This RAP

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does not provide for delineation sampling and if such work is to be undertaken at the site, a Sampling, Analysis and Quality Plan (SAQP) shall be prepared and provided to the Auditor for review and approval prior to investigations commencing.

6.3.3 Remediation of fragments of ACM

ACM fragments were located on the surface of un-grassed areas near ABH211, ABH267 and AMW207, and located at the surface around BBH451 in the central eastern part of the site across an area of exposed soil with dimensions of approximately 5 m by 5 m. ACM fragments were not detected in any boreholes. All visible fragments must be collected by an AS1 licenced contractor and disposed to landfill. An occupational hygienist must inspect the area and provide a clearance certificate. In addition, as the asbestos fragments identified in the Southern Portion of the site were not associated with any particular site features (e.g. location of former structures), the occupational hygienist must inspect the surface of the entire site on a nominal grid of 25 m for randomly distributed asbestos fragments. This inspection should be undertaken before the AS1 licenced contractor demobilises from the site so that any additional fragments found during the inspection may be appropriately removed. The clearance certificate shall cover the nominated remediation area surrounding BBH451 and the entire site inspected on a 25 m grid.

The extent of the remediation and/or management required at the site is shown on Figure 3.

6.4 REMEDIATION SEQUENCE

The proposed sequence for the remediation work is as follows:

- 1. Submit RAP to council with development application and obtain consent;
- 2. Site establishment:
- 3. Removal of surface ACM and clearance;
- 4. Place clean soil barrier over impacted surface soils;
- 5. Demolition of maintenance shed to access contaminated fill;
- 6. Controlled excavation of contaminated material from encompassing the USTs and stockpiling onsite for waste classification;
- 7. Off-site disposal to licensed landfill or waste treatment facility;
- 8. Validation of excavations and imported material;
- 9. Targeted sampling of surface and near surface soil of the proposed small "pocket parks" and peripheral landscaped areas.
- 10. Importation of validated material for reinstatement of excavations (if required); and
- 11. Preparation of a validation report.



6.5 UST REMOVAL

Removal and appropriate off-site disposal of the two USTs, bowsers and associated infrastructure (vent pipework) should be undertaken in accordance with:

- Work Health and Safety Regulation 2017;
- Protection of the Environment Operations (Underground Petroleum Storage Systems)
 Regulation 2014
- AS1940–2004: Storage and handling of flammable and combustible liquids (AS 2004)
- Australian Standard AS/NZS 60079.10.1: Explosive atmospheres Classification of areas
 Explosive gas atmospheres
- Australian Standard AS/NZS 60079.29.1: Explosive atmospheres Gas detectors –
 Performance requirements of detectors for flammable gases
- AS4976–2008: Removal and disposal of underground petroleum storage tanks (AS 2008).

Following the removal of the USTs, bowsers, associated infrastructure (including vent pipework) and contaminated soil, validation of the excavations will need to be undertaken.

Local Council should be notified after the removal of the USTs with the production of a validation report.

6.6 CONTINGENCY PLAN

Depending on the ground conditions encountered during the redevelopment, additional volumes of material other than those outlined in this RAP may require remediation in accordance with the methods outlined in this RAP or instructions from a suitably qualified environmental consultant. Remediation not outlined within this RAP will need to meet the objectives and the RAC outlined within this plan. Contingency items may include:

- Disposal of impacted groundwater or groundwater impacted by earthworks (eg. high sediment loading within excavation water); and
- Further assessment, management and/or remediation of suspected impacted materials not identified during the ESA.

6.7 REMEDIATION ACCEPTANCE CRITERIA

To determine the success of the proposed remediation plan and to evaluate different clean up options, it is necessary to define appropriate RAC. In accordance with the requirements of the NEPM (2013) and considering the proposed mixed land-use, the RAC will be assessed against the recreational and commercial/industrial land-use guidelines will need to assess aesthetics (including soil odour and colour) and potential human health issues. In the case where impacted soil may

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remain *in situ*, RAC apply only to material used to form the clean soil barrier layer. Any material imported to site for use as a clean soil barrier must be Virgin Excavated Natural Material (VENM).

6.7.1 Aesthetics

Aesthetics relates to the generation of odours from the soil and any discolouration of the soil as a result of contamination (NSW EPA, 1997). To address this issue, soil odour and discolouration will need to be continually assessed in the field while undertaking the remediation work and, if necessary, action taken to ensure adverse aesthetics are remediated.

6.7.2 Potential Ecological Impacts

Potential ecological impacts have to be assessed for soils to be retained on site, which are not underneath buildings or slabs. To address potential ecological impacts of soils, assessment of the analytical testing results against the NSW EPA (2013) Ecological Investigation Levels (EILs) and Ecological Screening Levels (ESLs) will be required to provide confidence that contaminant concentrations below those levels will not adversely impact specific flora proposed for the site.

A summary of the adopted ecologically-based RAC is provided in Table 1.

6.7.3 Human Health Based Investigation Levels

To address potential human health impacts at the site, CES has adopted a set of soil investigation levels appropriate for recreational and commercial/industrial land-use. That is, the RAC have been set at a level that provides confidence that contaminant concentrations below the RAC will not adversely affect human health.

The current Cooks Cove Planning Proposal comprises a mixed use concept including commercial, retail, hotel and multi-level logistics and warehousing land uses within the site. CES has adopted the following HSL and HIL criteria:

- NEPM (2013) Health-based Investigation Levels (HIL) recommended for exposure setting
 'C' which includes recreational land use; and
- NEPM (2013) Health-based Investigation Levels (HIL) recommended for exposure setting 'D' which includes commercial/industrial land use.
- NEPM (2013) Health-based Screening Levels (HSL) recommended for exposure setting 'C' which includes recreational land use; and
- NEPM (2013) Health-based Screening Levels (HIL) recommended for exposure setting
 'D' which includes commercial/industrial land use.

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A summary of the RAC are provided in Table 1.

6.7.4 Asbestos

Asbestos in soil which are based on scenario-specific likely exposure levels for bonded ACM, Friable Asbestos and Asbestos Fines, are adopted from the Western Australia Department of Health guidelines and include Recreational C (e.g. public open space such as parks), and Commercial/Industrial D. For the proposed development, the asbestos HSL criteria applicable to Recreational (HSL C) and Commercial Industrial (HSL D) are considered appropriate. In addition to the HSL C and D criteria, the soil surface should be free of visible asbestos.

6.7.5 Assessment of Excavated Material for Off-Site Disposal

Any contaminated excavated material exported from the site must be classified in accordance with NSW EPA (2014) prior to disposal and transported to an appropriate facility. Under these guidelines, non-liquid waste may be classified in the following groups:

- (i) General Solid Waste;
- (i) Restricted Solid Waste; and
- (ii) Hazardous Waste.

The guidelines contain a two stage classification for liquid and non-liquid waste.

The first stage involves the comparison of total or Specific Contaminant Concentrations (SCC) with Contaminant Threshold (CT) values (Table 2). The latter are equivalent to the limits for leachable concentrations (determined in stage 2) assuming that all the contaminants present in a sample are leachable. These threshold values are highly conservative and used largely in the early stages of waste-classification activities.

The second stage of waste characterisation involves the determination of leachable contaminant concentrations using the Toxicity Characteristics Leaching Procedure (TCLP). In this stage, both SCC and leachable concentrations are used to classify waste. The final waste classification is determined by consideration of both SCC and leachable concentrations. It should be noted that in the instance that either SCC or leachable concentration criteria for one contaminant are exceeded, then the higher waste category should be adopted.

The waste classification criteria for each waste category are far more stringent when classifying materials based solely on total concentrations. Values for leachable concentrations are usually necessary in order to obtain the necessary data required to classify the material to the most appropriate waste category.



The assessment criteria for non-liquid waste are summarised in Table 3.

6.7.6 Fill Used in Clean Soil Barrier and Backfill Material

6.7.6.1 Imported material

Material imported for use in the clean soil barrier layer must be classified as Virgin Excavated Natural Material (VENM) in accordance with NSW EPA (2014). According to the definition of Virgin Excavated Natural Material in the Protection of the Environment Operations Act (1997), for a material to be VENM it must:

- Be a natural material (e.g. clay, gravel, sand, soil and rock); and
- Not be mixed with any other waste; and
- Be excavated from areas that are not contaminated with manufactured chemicals as a result of industrial, commercial, mining or agricultural activities; and
- Not contain Sulfidic ores or soils; or
- Consist of excavated natural materials that meet criteria as may be approved by the NSW EPA.

As a consequence of these requirements, an understanding of the history of activities that have occurred on the Source Site is required as well as an inspection of the material in situ by an experienced environmental scientist/engineer.

6.7.6.2 Material won on site

Material won on site, including in-situ material (0-0.5 m depth) at BBH430 and BBH433 and any material won on site for application as a clean soil barrier of minimum thickness 0.5 m at BBH453 BBH402, AMW207 or other areas, must comply with the criteria outlined below for open space use.

Aesthetics

Aesthetics relates to the generation of odours from the site and/or any discolouration of the soil as a result of contamination. No material with adverse aesthetics may be used in the clean soil barrier layer. Aesthetic considerations include discolouration, odour and texture (e.g. presence of waste material, bricks, concrete, etc.).

Potential Ecological Impacts

Site observations indicated that the vegetation on the site was in generally good condition and that there were no areas of dead or stressed vegetation noted that may have indicated that contamination of the soil may have been causing a significant impact to the health of the vegetation. Consequently, the exceedances of the ecological-based SAC recorded in the ESA were considered not to present a significant risk to the existing flora. Further, given that the proposed use of Council land within the site is passive open space, it is expected that the proposed flora for the site will be



similar to the existing and therefore, there is unlikely to be a significant risk to flora proposed for the site. Ecologically-based RAC are not required for the assessment of soil for the clean soil barrier.

Potential Human Health Impacts

To address potential health impacts of material won on site for use in the clean soil barrier, results must be compared with the Health Based Soil Investigation Levels (HIL) appropriate for the proposed land use. That is, the HIL may be set at a level that provides confidence that contaminant concentrations below the HIL may not adversely affect human health.

The current Cooks Cove Planning Proposal comprises a mixed use concept including recreational, commercial, retail, hotel and multi-level logistics and warehousing land uses within the site. CES has adopted the following human health criteria:

- NEPM (2013) Health-based Investigation Levels (HIL) recommended for exposure setting 'C' which includes public open space land use.
- NEPM (2013) Health-based Investigation Levels (HIL) recommended for exposure setting
 'D' which includes commercial/industrial land use.
- With respect to BTEX, the NEPM (2013) HSLs for exposure setting 'C and D' for public open space land use and commercial/industrial land use, respectively.

A summary of the RAC for soil is provided in Table 1.

Asbestos

Remediation criteria for asbestos in soil will be adopted from Table 7 of the NEPM (2013) Schedule B1- *Guideline on Investigation Levels for Soil and Groundwater*. The health screening levels used include the fixed Fibrous Asbestos (FA) and Asbestos Fines (AF) criteria of 0.001% w/w and the bonded ACM criteria for Recreational C and Commercial/ Industrial D, as dependant on the area of the proposed mixed development.

For this project, the RAC for material won on site for use in the clean soil barrier must contain no visible Asbestos Containing Materials (ACMs) and each sample collected must not contain any detectable respirable asbestos.



7 UST REMOVAL

The USTs are to be removed in accordance with NSW DECCW UPSS Technical Guidelines (2010) and AS4976-2008 as outlined below.

7.1 Tank Pumpouts

Residual liquids (if any) will be removed from the tanks by a licensed liquid waste contractor. The procedure outlined below should be adopted (in general accordance with AS4976-2008):

- (a) The principal, or supervisor, shall ensure that documented work instructions and all the relevant work permits including hot work permits are issued to the contractor prior to decommissioning works proceeding;
- (b) Remove all possible product from the tank and pipework using the normal pumping system;
- (c) Disconnect and isolate dispensers and other above-ground pumping equipment;
- (d) Withdraw the residual product via the dip or other suitable fitting, using an air operated pump or other equipment suitable for a hazardous area and a suction hose, or spear, reaching the bottom of the tank. Transfer residual product to sealed drums or licensed tankers for safe off-site disposal;
- (e) Prior to excavating, locate and isolate all electrical cables and product pipelines, in the vicinity;
- (f) Seal off all ground level connections to the tank, but leave the vent intact, and excavate to expose all the tank top fittings.

7.2 Removal of USTs and Associated Infrastructure

The staging of UST removal is presented below (in general accordance with AS4976-2008 and DECCW, 2010):

- (a) Drain, blank (to prevent accidental leakage) and disconnect all redundant pipework, withdraw any tank mounted equipment, and plug all openings including the vent. One plug shall have a 3 mm hole to act as a pressure equalising vent;
- (b) Complete the excavation to expose the total width and length of the tank, and remove concrete anchors if present. Care should be taken to prevent the excavator from striking the tank in any way.

On no account should excavation equipment be used to punch holes into a tank.

The work should be planned so that as soon as a tank is fully exposed, it is immediately removed from the excavation and placed on to the transport vehicle. It should then be taken to the approved disposal or storage site without delay;

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- (c) When lifting a tank, ensure that the lifting lugs on the tank are in good condition and that the crane or excavator has sufficient capacity to overcome the ground suction effects likely to be encountered. If the lifting lugs are deemed to be corroded, alternative lifting techniques (e.g. the use of slings) should be considered.
- (d) An appropriately sized (to accommodate the tanks, lines, dunnage, blocks and tank clearance, as described below) HDPE liner should be positioned on the ground to minimise the potential for loss of product to the ground, with appropriate dunnage to keep the tank elevated above the ground (100 mm), blocks should be used to prevent the tanks from rolling and the tanks should be positioned so that access can be gained to all sides;
- (e) As soon as the tank is clear of the excavation, scrape off all loose soil and inspect the shell of the tank for defects. Defects are to be noted and photographed. The operator and banksmen should remain clear of the tank at all times.
- (f) Cold patch or plug any holes prior to loading the tank to transport vehicle;
- (g) Immediately after removal from the ground, each tank shall be permanently marked with warning label:

"NOT GAS FREE

NO NAKED LIGHTS

TANK HAS CONTAINED LEADED PETROL/DIESEL

NOT SUITABLE FOR STORAGE OF FOOD OR LIQUIDS INTENDED FOR HUMAN OR ANIMAL CONSUMPTION."

Note:

- If tanks have been filled with concrete slurry this will need to be broken-out prior to lifting. Concrete may either be crushed and then taken off site or placed into the base of the excavation pit following validation of both the concrete and the base of the excavation;
- If the tanks have been filled with sand, this will need to be stockpiled in designated areas, tested, classified and managed in accordance with EPA NSW (1994) guidelines;
- Contaminated soil and backfill sands will be removed by controlled excavation. An
 environmental scientist using visual, olfactory and Photo Ionisation Detector (PID) or
 similar, will guide the excavation;
- Validation samples will then be collected from the resulting tank pit walls, base and pipework trenches;
- Upon the completion of excavation works in this area, the pits should be cordoned off with temporary fencing (Herras), to prevent unauthorised access to the area. Silt fences or bund walls or hay bales should be placed around the excavation area in order to prevent the inflow of runoff;
- Should contaminant concentrations in the validation samples exceed the RAC, further material will be removed from the walls and/or base to the stockpile prior to the collection of additional validation samples;



- Dewatering of the soil mass may be required during excavation works. Water removed from the excavation should be tested prior to disposal; and
- Stockpiles of excavated material should be placed so that they drain into the existing excavation, or in water-tight skips and the potential for cross-contamination is minimised.

7.3 Transport of USTs

USTs will be transported in accordance with DECCW (2010) and AS4976-2008:

- Vehicles should be diesel powered and have exhaust systems generally in conformance with the requirements of AS2809-2008. The contractor should train drivers to recognise the hazards associated with the operation and appropriate emergency procedures;
- As far as possible, the trip to the disposal site should be uninterrupted. If it is necessary to park the vehicle for any period it should be isolated from other vehicles and kept under observation, with the warning notices clearly visible;
- Tanks will be transported to an appropriate facility for disposal, with adequate records kept
 of the tanks' disposal (disposal date and time and destination). The tanks will be destroyed
 by cutting with intrinsically safe cold shears prior to recycling;
- A certificate of tank destruction/disposal is required for each UST removed from the site;
 and
- Tanks that have been filled with an inert material (sand or concrete) may be disposed of at a licensed landfill or recycling yard following the removal of filling material. Documentation of the fate of such tanks should be provided, however destruction certificates are not required.



8 REMEDIATION SEQUENCE AND METHODS

8.1 LEAD, PAH, TPH AND BTEX HOTSPOTS

8.1.1 Applications and Approvals to Undertake Remedial Works

It is considered that the remediation work will be classified as a Category 2 work in accordance with State Environmental Planning Policy (Resilience and Hazards) 2021. As such notification to Bayside Council will be required 30 days prior to the commencement of the remediation.

The following licences and approvals may also be required to undertake the remedial works:

- Possible Safework NSW friable asbestos permit to be obtained by the AS1 contractor;
- Sydney Airport Corporation Limited (SACL), drilling rig operation permit endorsed by the Airfield Operations Co-ordinator; and
- Controlled Activity Permit in Waterfront Land issued under the Water Management Act may be required.

8.1.2 Site Establishment

Prior to undertaking any excavation work associated with the remediation, the nominated site supervisor will ensure that the necessary environmental management and safety controls are in place. These will include but are not limited to:

- A hazard assessment, Project Safety Plan (PSP) and inductions;
- The remediation contractor will implement all necessary environmental controls (including but not limited to sedimentation and erosion controls) and safety measures (including but not limited to site signage, security fencing);
- The remediation contractor and site supervisor will locate areas suitable for the designated stockpile or bin placement areas;
- Ensure an adequate water supply is available to spray water on the excavated areas and waste material to minimise dust generation; and
- The remediation contractor will locate and arrange appropriately licensed trades people to temporarily disconnect or reroute all underground services which may be impacted by the remediation works.

Details of the environmental management and occupational health and safety controls specifically related to remediation are provided in Sections 12.

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A minimum of two soil samples shall be collected from locations BBH430 and BBH433 (one surface sample and one shallow soil sample up to 0.5 m). The samples shall be analysed for metals, TPH, PAHs and asbestos to confirm the suitability of the sampled material for inclusion in a clean soil barrier layer. If soil at depths between 0 and 0.5 m is validated as being suitable (i.e. results meet the SAC), no additional soil is required to be applied to these three locations to form the clean soil barrier.

In the areas on which a clean soil barrier is to be applied (i.e. surrounding BBH453, BBH402, and AMW207 and at BBH430, BBH433 if in-situ near-surface soil is shown not to be suitable for inclusion in a clean soil barrier layer), the surface should be prepared to a specification set by a Geotechnical Engineer prior to application of the clean soil barrier.

8.1.3 Demolition of Structures to Access Contaminated Fill

The concrete slab and bitumen surface is to be demolished and removed from KGC to facilitate the proposed development. These activities will expose the impacted material identified encompassing the two USTs and bowsers adjacent to the maintenance shed.

8.1.4 Controlled Excavation and Stockpiling For Waste Classification

The TPH and BTEX impacted fill material requiring off-site disposal will be excavated in a controlled manner under the supervision of a CES environmental scientist or engineer. Excavation works will be undertaken by contractors with experience in contaminated site projects and continued until the contaminated material has visually been completely removed.

Contaminated material is to be excavated and placed directly into skip bins and/or stockpiled on sealed areas or plastic sheeting for waste classification prior to off-site disposal. Excavated contaminated material will be sampled and analysed at a rate of at least 4 samples for quantities up to 75 m³ or 1 sample per 25 m³ for quantities greater than 75 m³. Classification of material to be removed from the site will be undertaken in accordance with the EPA NSW (1999) waste guidelines.

8.1.5 Off Site Disposal to a Licensed Landfill Facility

Following receipt of waste classification results, the skip bins or stockpiled material will be transferred to trucks for transport to appropriately licensed landfill facilities.

8.1.6 Validation

Following excavation and removal of the contaminated fill, a programme of soil validation will be implemented as described in Section 12 and Table 1. The validation programme will include excavations and if required, imported material used to re-instate the site.



8.1.7 Importation of Validated Material For Excavation Reinstatement (If Required)

If required, Virgin Excavated Natural Material (VENM) from off-site or on site soils will be used to backfill the excavations.

Any VENM to be used at the site will be validated in accordance with Section 10 and be accompanied by a certificate indicating that the material is contaminant free.

8.1.8 Validation Report

At the completion of the remediation works, a validation report will need to be prepared outlining the results of the remediation works undertaken and an assessment of the suitability of the site for the redevelopment and change of land use.

8.2 ACM HOTSPOTS

8.2.1 Removal of Surface ACM And Clearance

The surface ACM is predominantly scattered around the surface at near ABH211, ABH267, AMW207 and BBH451. A method called 'emu picking' will be used to collect the fragments. Emu picking involves workers (AS1 contractor) walking along a grid across the impacted area and manually picking up the fragments and placing them into appropriately labelled bags.

Emu picking will be undertaken by contractors with experience in contaminated site projects and continued until the ACM has been completely removed. This method is believed to be adequate since the asbestos contamination is clearly identifiable (*eg* fragments of fibrous cement sheeting).

The AS1 licensed contractor will organise transport of the ACM fragments to a landfill licenced to accept asbestos waste. Landfill receipt dockets will be collected by each truck driver and copies provided to CES for inclusion in the validation report.

Following removal of all visible ACM, the AS1 licensed contractor will arrange for a visual inspection to be conducted by an occupational hygienist. The visual inspection is to be conducted on the area surrounding BBH451 (approximately 5 m by 5 m). In addition, as the asbestos fragments were not associated with any particular site features (i.e. location of former structures), the occupational hygienist must inspect the entire site on a nominal grid of 25 m for randomly distributed asbestos fragments. This inspection should be undertaken before the AS1 licenced contractor demobilises from the site so that any additional fragments found during the inspection may be appropriately removed. If all visible asbestos has been removed, the hygienist will provide a clearance certificate.

All ACM removal work will be undertaken in accordance with Safework NSW requirements.

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8.2.2 Validation

Validation will consist of a clearance certificate following removal of surface ACM.

8.3 OPEN SPACE

8.3.1 Application of Clean Soil Barrier

The clean soil barrier is to be placed in accordance with an earthworks specification prepared by a qualified Engineer. It is recommended that the placement be supervised by a qualified Geotechnical or Environmental Engineer with testing in accordance with relevant Australian Standards. An earthworks specification is to be prepared for the project by a qualified engineer incorporating the requirements of this RAP. The specification is to be prepared prior to the commencement of remediation works.

However, following stripping of grass and topsoil, the extent of are requiring barrier placement is to be determined in detailed inspections. The extent of the clean soil barrier is to be determined by the project Environmental Scientist/Engineer with reference to the Site Auditor. Additional soil sampling may be undertaken at the request of the site owner to delineate the soil impact and reduce the volume of soil barrier that is to be applied, if necessary.

Provided the in-situ soil 0-0.5 m depth at BBH430 and BBH433 is validated as suitable (i.e. meets the SAC), additional material will not be required to be applied for the clean soil barrier layer. A clean soil barrier of minimum thickness 0.5 m will be applied on the area surrounding BBH453, BBH402 and AMW207 and in a preliminary area extending to half the distance to the next clean borehole as shown in Figure 3. It is noted that Figure 3 shows only the inferred extent of impacted soil and the estimated extent of the clean soil barrier for all hotspots identified.

The clean soil barrier must comply with the following specifications:

- Imported material to be used in the barrier must be VENM or ENM;
- Material won on site must conform to the RAC defined in Section 6.7;
- Minimum thickness of 0.5 m measured from the existing base of cover layer to the base of serviceable components of irrigation systems. For clarity, it is noted that the barrier layer excludes any landscaping layers that do not meet the specification below. Suitable material for the clean soil barrier may be won on site provided that RAC in Section 6.7 are met;
- Placement in accordance with recommendations of Geotechnical Engineer;
- Barrier to be graded to encourage runoff and prevent ponding, to specifications by Hydrological Engineer; and
- The clean soil barrier at the site boundary will be graded to match the existing surface levels and facilitate storm water drainage. Therefore, there may be localised reductions in

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barrier thickness along the boundary. Any localised areas of reduced barrier thickness will be noted and appropriate controls implemented in the Site Management Plan.

If any service trenches are constructed in impacted material, the following measures are required to be implemented:

- Trenches to be excavated to dimensions specified by the project engineer;
- Placement of clean soil barrier;
- Trenches to be lined with appropriate marker fabric (coloured non-woven geotextile);
- Backfill trenches with clean, validated material following placement of services; and
- Notation of trench location on site plans.

At the discretion of the project Engineer, services may also be installed in dedicated conduits. These conduits can be laid in or under the barrier layer without the requirement for marker fabric or filling sand on the proviso that the conduits are installed to allow access for repair, maintenance and upgrade of services without the need to excavate.

It is noted that 'before' and 'after' surveys (by a registered Surveyor) are required to demonstrate that the required thickness of clean soil barrier has been placed. The base and top of the barrier layer, service trenches (width, depth and location) and conduits must be surveyed by a registered surveyor. The survey reports will be included in the validation report and management plan for the site.

8.3.2 Validation

The collection of additional samples will be required if earthworks have caused the areas to be disturbed. If no disturbance has been caused, then the results from CES (2008) can be used, provided the number samples located in the proposed area conforms with the minimum requirements of the new *Contaminated Land Guidelines Sampling Design Part 1 – Application* (NSW EPA 2022) and *Contaminated Land Guidelines Sampling Design Part 2 – Interpretation* (NSW EPA 2022).

Validation will consist of:

- Validation of the thickness of the clean soil barrier by means of a 'before' and 'after' survey prepared by a registered surveyor;
- A clearance certificate following removal of surface ACM at BBH451. The clearance certificate should apply to the remediated area surrounding BBH451 (approximately 5 m x 5 m) and also the entire site following an inspection on a nominal grid of 25 m; and



■ The analysis of imported material used in the clean soil barrier, including two samples collected from in-situ soil at 0-0.5 m in BBH430 and BBH433. This material may be imported VENM or won on site.

At the completion of the remediation works, a validation report will need to be prepared outlining the results of the remediation works undertaken and an assessment of the suitability of the site for the ongoing open space land-use.



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9 CONTINGENCY PLAN

If remediation works fail, cannot be completed satisfactorily or is not accepted by land owners, a revised RAP will be prepared and submitted to the Auditor to address the concerns.

Depending on the ground conditions encountered during the redevelopment, additional volumes of material other than those outlined in this RAP may require remediation in accordance with the methods outlined in this RAP or instructions from a suitably qualified environmental consultant. Remediation not outlined within this RAP will need to meet the objectives and the RAC outlined within this plan.

9.1 ASBESTOS

Asbestos waste or other Potential Asbestos Containing Materials (PACM) may be identified during the works. If fibrous cement fragments of PACM are identified, the following should be undertaken:

- An AS1 contractor will be engaged to obtain a job-specific friable asbestos work permit as required by SafeWork NSW and prepare a specific safe work method statement pertaining to the handling of asbestos waste;
- The AS1 contractor will be engaged to supervise the removal of ACM. Immediately upon disturbance, asbestos-containing material will be sprayed with water to minimise dust generation;
- Any asbestos or PACM identified will be disposed to landfill; and
- An occupational hygienist will be engaged to provide a clearance certificate for the ACM remediated area.

9.2 LANDFILL GAS

It is possible that some landfill gas will be emitted during placement of the clean soil barrier. Odour should be used as the first indicator of the presence of landfill gas and explosive gas meters should also be used during the remedial works. In the event that landfill gas is detected during site works, personnel should be evacuated up wind from the area and monitoring should be undertaken until gases dissipate. The project environmental scientist should be contacted to undertake an inspection of the site.

If gases are still present at the conclusion of the work shift additional measures such as the application of temporary cover may be required.



9.3 SOIL VAPOUR

VOC vapour may be emitted during excavations and the removal of the USTs. Odour should be used as the first indicator of the presence of VOC gases and explosive gas meters should also be used at all times during the works. In the event that VOC gases are detected at explosive levels during site works, personnel should be evacuated up wind from the area and monitoring should be undertaken until gases dissipate. The project environmental scientist should be contacted to undertake an inspection of the site.

If gases are still present at the conclusion of the work shift additional measures such as the application of temporary cover may be required.

9.4 DISCOVERY AND REMOVAL OF UNEXPECTED FINDS

In the event that unexpected odorous material, discoloured material, putrescible waste, tanks, drums or other contamination are discovered during earthworks on the site, work will cease and a strategy will be developed in consultation with the project environmental scientist.

In the event that unexpected finds are encountered at the site, the Auditor should be informed.



10 SITE MANAGEMENT PLANS

10.1 INTERIM SITE MANAGEMENT PLAN

The site is currently open and accessible to the public. No interim management requirements are recommended until the commencement of remediation works, at which time the contractor will be required to implement an Environmental Management Plan (EMP) including the provisions provided in Section 12.

As a precautionary measure, visible fragments of ACM (fibrous cement sheeting) should be removed and a clearance certificate obtained.

10.2 LONG-TERM SITE MANAGEMENT PLAN

A Site Management Plan will be annexed to the validation report and Site Audit Statement (SAS). The SMP will address the following matters:

- Identification of the location of impacted soil and service trenches; and
- An asbestos management plan, including the location of surface ACM fragments.

It is noted that the SMP must be approved by the Auditor and landowner(s) (ie. party responsible for implementation of the plan) prior to the Auditor issuing the Site Audit Statement for the site. Consequently, the SMP shall be included in the Golf Course Plan of Management.

The SMP will also be required to contain sections addressing characterisation of the site, extent of remedial works undertaken, survey plans showing the location of service trenches and surface ACM fragments. In addition, the SMP should include a responsibility and reporting matrix, a schedule of review and mechanisms for the appropriate revision of the SMP in the event that conditions change (eg. changes in site conditions, legislation/regulation, guidelines, etc).

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11 COMMUNITY RELATIONS PLAN

If required, a community relations plan will be prepared and followed. This requirement will determined by the community relations consultant for the project and in discussions with Council prior to the commencement of works.



12 SITE VALIDATION PLAN

Validation sampling will be undertaken during the remediation programme. Sampling will be conducted in accordance with relevant NSW EPA and NEPC guidelines to confirm whether the identified contamination has been adequately removed from excavations and whether any further remediation is required.

Validation will comprise:

- Validation of the thickness of the clean soil barrier by means of a 'before' and 'after' survey prepared by a registered surveyor;
- A clearance certificate following removal of surface ACM at BBH451. The clearance certificate should apply to the remediated area surrounding BBH451 (approximately 5 m x 5 m) and also the entire site following an inspection on a nominal grid of 25 m; and

The analysis of material used in the clean soil barrier, including two samples collected from insitu soil from depths between 0-0.5 m in locations BBH430 and BBH433. Material used for the clean soil barrier may be imported VENM or appropriately validated material won on site.

A plan for validation sampling and analysis is presented below.

12.1 VALIDATION OF EARTHWORKS

The validation schedule for the excavations where contaminated material is removed will be generally based on the *Contaminated Land Guidelines Sampling Design Part 1 – Application* (NSW EPA 2022) and *Contaminated Land Guidelines Sampling Design Part 2 – Interpretation* (NSW EPA 2022). The base of the excavations will be sampled at a minimum rate of one sample per 25 m². The wall of the excavation will be sampled at the vertical rate of one sample per metre and the horizontal rate of one sample per 10 metres. In addition, one additional sample will be collected from the floor and the wall for each 10 metres along extended excavations. Additional validation samples will also be collected from the excavation wall if significant differences in the sub-surface material are observed. Field QA/QC sampling will consist of one blind sample for every 10 environmental samples and one split (inter-laboratory) sample for every 20 environmental samples.

It is assumed all excavated contaminated material will be placed directly into skip bins or stockpiled on sealed surfaces or plastic sheeting. Therefore, areas underlying stockpiles will not require validation sampling.

Validation samples from remediation area encompassing the USTs will be analysed for TPH and BTEX. Once analytical results of validation samples have been assessed as meeting the adopted

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RAC, excavations will be photographed. Once this is complete, the excavations may then be backfilled with validated fill.

The validation sampling and analysis programme for the contaminated fill is outlined in Table 3.

12.1.1 Imported Fill

If required, any fill used to re-instate excavations will need to be validated as VENM in accordance with the *Contaminated Land Guidelines Sampling Design Part 1 – Application* (NSW EPA 2022) and *Contaminated Land Guidelines Sampling Design Part 2 – Interpretation* (NSW EPA 2022). One sample will be collected for every 100 m³ of imported fill or a minimum of 1 sample per fill source site.

The validation sampling and analysis programme for the imported material is outlined in Table 3.

12.1.2 Method of Sample Collection

Care will be taken to ensure that representative samples are obtained from the material and that the integrity is maintained, particularly when dealing with potentially semi-volatile compounds. Specific sampling procedures for each method of collection are provided below in following sections.

12.1.3 Sample Collection

Samples will be collected using either a decontaminated stainless steel trowel or by using or new latex or nitrile gloves for each sample and placing the soil directly into laboratory supplied jars.

12.1.4 Decontamination Procedures

The following decontamination procedures will be adopted for sampling equipment.

12.1.4.1 Sampling Equipment

Sampling equipment, such as trowels, will be washed between sampling events using Decon 90 (or similar laboratory grade detergent) initially followed by adequate rinsing with clean potable and de-ionised water. To check the adequacy of the decontamination protocol, rinsate samples will be collected for analysis.

12.1.5 Sample Containers

Soil sample jars will comprise glass with a Teflon lined lid and be supplied by either the primary or secondary laboratory. The jars will be completely filled with soil, labelled with the job number, date, unique sampling point identification and initials of CES staff.

Container, preservation requirements and holding times are outlined in Table 4.



12.1.6 Method of Sample Storage and Handling

The soil jars, once filled with sample, will immediately be placed in an esky / cool box in which ice has been added to keep the samples below a temperature of approximately 4°C. At the end of each day the samples in the cool box will be transported to the CES Sydney office where more ice will be added until delivered to the laboratory (within holding times).

Container, preservation requirements and holding times are outlined in Table 4.

12.1.7 Sample Logging

A log of excavation works and soil samples collected will be completed during fieldwork by a qualified environmental engineer/scientist. The log records the following data:

- Sample number and depth
- Soil classification, colour, consistency or density, odour and moisture content
- Depth of excavation
- Excavator bucket refusal
- Method of excavation
- The depth of first encountered free water

12.1.8 QA/QC Documentation

While on site, the supervising engineer/scientist will be required to fill out a copy of CES 'sample register', which documents:

- Time of sample collection;
- Weather:
- Unique sample identification number; and
- Sample location and depth.

All samples will be classified in the field based on soil/fill characteristics and obvious signs of contamination such as discolouration or odour will be noted on a log.

All samples, including QC samples, will be transported to the primary and check laboratories under Chain-of Custody (COC) procedures and maintained in an ice-filled cooler. The following details will be recorded on the COC form:

- Site identification;
- The sampler;
- Nature of the sample;
- Collection time and date;



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- Analyses to be performed;
- Sample preservation method;
- Departure time from site; and
- Dispatch courier(s).

12.1.9 Analytical methods

Analytical methods and Practical Quantitation Limits (PQLs) for soil samples are contained in Table 5.

12.2 FIELD SCREENING

Field screening will be undertaken to screen potentially contaminated material being removed from the excavations and VENM used to reinstate the excavations for the presence of volatile compounds. Field screening will be conducted using a Flame Ionisation Detector (FID), Photo-Ionisation Detector (PID) or similar instrument capable of measuring Volatile Organic Compounds (VOCs) in air. The instrument will be operated using the controlled headspace method in accordance with the documented CES procedure by appropriately trained persons.

Full documentation will be provided relating to the daily calibration of the instrument, the samples analysed, gas screening results and site observations. If VOCs are detected in soil won from the site, further investigations will be required to determine the potential source as VOCs have not been previously detected at the site. These results will be compiled and presented in the validation report. The presence of VOCs in imported material will result in that batch of material being rejected.

12.3 QUALITY ASSURANCE AND QUALITY CONTROL PROGRAMME (QA/QC)

The proposed field and laboratory QA/QC programme for this project is consistent with National Environmental Protection Council (2013) requirements. The programme consists of the following:

- Laboratory blind replicates at 1 in 20 samples or one per batch;
- Split samples (intra-lab duplicates) at 1 in 20 samples or one per batch;
- One trip spike per sample batch;
- One trip blank per sample batch; and
- Rinsate sample for non-dedicated sampling equipment, one per batch.

12.3.1 Field QA/QC Programme

Field QA/QC consists of CES Quality Work Procedures (QWPs) and the collection of field QC samples listed above.



Environmental Samples

Environmental samples collected for the validation programme are the representative samples of soil collected for analysis. Environmental samples are the original sample taken from a particular location and other samples are blind replicates or split samples of the original.

Blind Replicate Samples

Blind replicate samples are provided by the collection of two similar samples from the same location or successively from the same monitoring bore. These samples are preserved, stored, transported, prepared and analysed in an identical manner to environmental samples.

Split Samples

Split samples provide a check on the analytical proficiency of the laboratories. Split samples are collected from the same location or successively from the same monitoring bore. Split samples must be taken from the same location as the blind replicate, thus becoming a triplicate sample. However, split samples are not taken as often as blind replicates. Spilt samples (triplicates) are preserved, stored, transported, prepared and analysed in an identical manner to environmental samples.

Trip Blanks

Trip blanks consisting of laboratory-supplied sand blank containing acid-washed quartz sand will be supplied by the analytical laboratory. The role of trip blanks is to detect potential contamination during sample transport. These samples reside in transport vessels during sampling activities and are not opened in the field. Trip blanks are analysed at the laboratory as regular samples or only for volatile organic compounds, as deemed appropriate.

Laboratory-prepared Trip Spikes

Laboratory-prepared trip spikes consisting of sand spiked with known concentrations of BTEX should be included in QA/QC programmes where TPH and BTEX concentrations are being measured. Laboratory-prepared trip spikes should be included at a rate of one per sample batch. These samples are to be submitted for BTEX analysis with results compared with the known additions. The purpose of these samples is to monitor VOC losses during transit.

Care will be taken to ensure that only freshly-prepared spiked samples are used. Spikes more than 2 days old at the time of receipt from the laboratory should be discarded. All trip spikes received will be checked for leakage. Any spikes containing bubbles or any other defects will be discarded. Furthermore, only spikes delivered under laboratory COC will be accepted. COCs will be stored in the project file for reference.



Rinsate (Equipment) Blanks

Rinsate (equipment) blanks consist of pre-preserved bottles filled with laboratory-prepared water that is passed through decontaminated field equipment. Rinsate blanks will be prepared on site, exposed to the atmosphere and rinsed through decontaminated field equipment. These samples assess atmospheric background conditions at the site and the efficiency of decontamination procedures.

Rinsate samples are to consist of the required complement of sample bottles labelled with a unique CES sample identification number. Rinsate blanks are to be prepared by pouring blank laboratory-supplied rinsate water through or over the sampling equipment after the final cleaning rinse. Rinsate blanks are to be transported and analysed at the laboratory as regular samples. While the number of equipment blanks varies between projects, the following strategy is generally adopted: - a rate of one rinsate blank for each field collection (>5 samples). Rinsate sampling will be subject to project requirements for smaller batches (<5 samples). Rinsate samples are not required if field equipment is dedicated for the specific sampling location.

12.3.2 Laboratory QA/QC Programme

The reliability of test results from the analytical laboratories will be monitored according to the QA/QC procedures used by the NATA accredited laboratory. The QA/QC programme employed by the NATA registered laboratories specifies sample tracking procedures, methods of extraction, analysis, PQLs and acceptance criteria for results. Laboratory QA/QC procedures adopted by the laboratories used in this investigation are summarised below.

Laboratory Duplicate Samples

Laboratory duplicates provide data on analytical precision for each batch of samples. Where required and in order to provide sufficient sample for analysis of laboratory duplicate, two batches of samples are collected at a site listed and marked 'laboratory duplicate' on the Chain of Custody form. This is done in order to ensure that sufficient sample is collected.

Standards

Calibration standards are prepared from individual certified materials, AR Grade or better reagents purchased as certified mixtures. Stock solutions are replaced every 6 months. Working standards are prepared at least every month from the stock solutions.

Laboratory Control Samples

Laboratory control samples consist of a clean matrix (de-ionised water or clean sand) spiked with a known concentration of the analyte being measured. These samples monitor method recovery in clean samples and can also be used to evaluate matrix interference by comparison with matrix spikes. Laboratory control samples may be certified reference materials.



Surrogates

For organic analyses, a surrogate is added to environmental samples at the extraction stage in order to verify method effectiveness. The surrogate is then analysed with the batch of samples. Percent recovery is calculated.

Matrix Spike

A matrix spikes consist of samples spiked with a known concentration of the analyte being measured, in order to identify properties of the matrix that may hinder method effectiveness. Samples are spiked with concentrations equivalent to 5 to 10 times the PQL. Percent recovery is calculated.

Method Blanks

Method blanks (de-ionised water or clear sand) were carried through all stages of sample preparation and analysis at a rate of approximately 10 %. Analyte concentrations in blanks should be less than the stated PQL. Reagent blanks are run if the method blank exceeds the PQL. The purpose of method blanks is to detect laboratory contamination.

12.4 DATA QUALITY OBJECTIVES (DQO) AND ACCEPTANCE CRITERIA

The objective of the validation programme is to verify the quality of any soil brought onto the site, the quality and thickness of the clean soil barrier layer and validate the site surface as being free of asbestos fragments.

Sampling shall be conducted in accordance with relevant NSW DECC and NEPC guidelines to confirm whether the RAP objectives had been attained. Data Quality Objectives (DQOs) for the proposed validation sampling and analysis programme are presented below.

12.4.1 Data Quality Objectives

Step 1 - State the Problem

Two ESA's conducted by CES in 2008 of the site identified hotspots of soil contamination (PAH, TPH and BTEX) at eight locations and ACM fragments at the surface at five locations on the site. Remedial/management measures were required to make the site suitable for the proposed landuse. Detailed site information is provided in Sections 3, 4 and 5. It is proposed to dispose off-site the four hotspots encompassing the USTs, a clean soil barrier will be applied on the PAH hotspots identified in the southern portion of the site and a SMP will be implemented, while the ACM fragments will be remediated by disposal off site.

The relevant stakeholders and decisions makers for the site are as follows:

- The site owner;
- The project manager;



- The Environmental Consultant;
- The Remediation Contractor:
- The Site Auditor; and
- The Planning and Regulatory Authorities.

Step 2 - Identify the Decision Statement

The question that the validation programme will attempt to resolve is:

- Was the remediation and validation undertaken in accordance with the RAP?
- Is the site considered suitable for proposed land-use?

Step 3 - Identify inputs to the decision

The following informational inputs are required to resolve the decision question(s):

- Validation analytical data for soil samples collected from within the excavations undertaken to remove the USTs using appropriate methods and analysed for the contaminants of concern as outlined in Section 5;
- Validation analytical data for soil samples collected at the surface and shallow soil above BBH430 and BBH433 using appropriate methods and analysed for the contaminants of concern;
- Validation analytical data for soil samples collected from other material won on-site proposed to be used in the clean soil barrier layer at BBH453 (if imported VENM not used);
- Validation analytical data for soil samples collected from other material won on-site proposed to be used to reinstate excavations and in the clean soil barrier layer (if imported VENM not used);
- Field screening results from soil samples collected above;
- Comparisons of the analytical results with relevant RAC appropriate for the proposed land-use;
- A validation report confirming any imported fill is VENM and documentation that the material accepted onto the site is consistent with that inspected by the project environmental scientist/engineer at the source site;
- Documentation of the appropriate disposal of the ACM;
- A clearance certificate from an occupational hygienist following removal of ACM and clearance of the other areas of the site on a nominal grid of 25 m;
- 'Decision process' for assessment of the suitability of a site as outlined in NSW EPA (2017) "Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme (3rd Edition)"; and
- An assessment of the implemented quality control/quality assurance programme.



Step 4 - Define the Boundaries of the Study

The site is referred to as the Cooks Cove Development Zone, Cooks Cove, NSW, comprising Area A and Area B. The legal description of the developable land is Part of 1 Deposited Plan (DP) 329283, Part of Lot 1 DP 108492, Part of Lot 14 DP 213314 and Part of Lot 100 DP 1231954.

The remediation and validation programme applies to soil at and encompassing the USTs located within the Club House car park (Figures 3 and 3a) and locations where ACM are present, in addition to soil at and surrounding former ESA (CES, 2008) locations BBH430, BBH433, AMW207, BBH453, BBH402 and surface soil surrounding BBH451 (**Figure 3**).

A registered surveyor shall be used to survey the depth and lateral extent of any clean soil barrier layer to a permanent benchmark. There are no anticipated practical constraints in the remediation areas that will interfere with the validation assessment.

Step 5 - Develop a Decision Rule

The purpose of this step is to define the parameters of interest, specify the action level and combine the outputs of the previous DQO steps into an "if...then..." decision rule that defines the conditions that would cause the decision maker to choose alternative actions.

The parameters of interest (or contaminants of concern) for validation of soil won on site to be used in a clean soil barrier layer are metals, TPH/BTEX, PAH and asbestos.

The parameters of interest for any waste classification of soil to be disposed off-site (if required) are metals, TPH/ BTEX, PAH, Organochlorine Pesticides (OCP), Organophosphorus Pesticides (OCP), Polychlorinated Biphenyls (PCBs) and asbestos.

The action levels which were to decide if the parameter represented an unacceptable risk for either the industrial, commercial, or open space land-use are tabulated in Table 1. The types of data quality required during the fieldwork and laboratory components of the investigation and the acceptable limits for this data are specified in Section 12.

Based on these data quality types and limits the following decision rules applied:

- For validation samples, if the absolute value of the measured concentration of a parameter or compound, are above the nominated RAC, then the material will not be suitable to remain on site for use in the clean soil barrier layer and a minimum of 0.5 m validated clean soil barrier will be applied;
- If contaminants of concern were detected in the trip blanks, then potential cross contamination may have occurred during sample transport. To assess whether this was the case, CES checked the trip blank results with the laboratory and compared the results with

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other blanks provide by the same laboratory. It is possible that detections in trip blanks may reflect background concentrations in laboratory-supplied sand or analytical error. If it was concluded that cross contamination had occurred, CES assessed the severity of the cross contamination and subsequent impacts on the ability to resolve the decision question. Possible actions included the raising of working detection limits or the collection of replacement data;

- If chemicals of concern were detected in the rinsate blanks, then the decontamination process was potentially not adequate and cross contamination may have occurred. Before assuming that this was the case, CES checked the rinsate blank result with the laboratory and compared the result with other blanks which used a similar source of water. It is possible that detections in rinsate blanks may reflect background concentrations in laboratory-supplied water or analytical error. If it was concluded that decontamination procedures were inadequate CES assessed the severity of the cross contamination and subsequent impacts on the ability to resolve the decision question. Possible actions included the raising of working detection limits or the collection of replacement data;
- If RPDs for blind replicates or split samples were outside the acceptable limits, then there may have been errors in laboratory analysis process. When assessing duplicate pairs with elevated RPDs, CES checked the results with the laboratory(ies) and examine the nature of the sample being assessed, since heterogeneous samples can often provide high RPDs. If it was believed that irreversible errors had occurred during the laboratory process then additional investigation was deemed to be required to resolve the decision question; and
- If any of the laboratory data quality tests did not meet the acceptable limits, the laboratory was requested to retest samples or provide justification for the results.

Step 6 - Specify Acceptable Limits on Decision Errors

There are two types of errors:

- a) Deciding that the site is acceptable for open space land-use when it actually is not. The consequence of this error may be unacceptable health risk for future users of the site.
- b) Deciding that the site is unacceptable for commercial/industrial land-use when it is acceptable. The consequence of this error is that the client will pay for further investigation / remediation that are not necessary.

The more severe consequences are with decision error (a) since the risk of jeopardising human health outweighs the consequences of paying more for remediation.



Step 7 - Optimising the Design for Obtaining Data

The purpose of this step is to identify a resource-effective data collection design for generating data that are expected to satisfy the DQO's. The resource effective data collection design that was expected to satisfy the DQOs is described in detail below. To ensure the design satisfied the DQOs a comprehensive Quality Assurance and Quality Control Plan was implemented as described in Section 12.3.

12.4.2 Data Acceptance Criteria

Data Acceptance Criteria (DAC) for this project are presented in Table 7.



13 PRELIMINARY ENVIRONMENTAL MANAGEMENT PLAN

Remediation works shall be conducted in a manner that minimises environmental impacts and that meets statutory requirements. Site works should comply with the following legislation:

- NSW Contaminated Land Management Act (1997);
- NSW Protection of the Environment Operations Act (1997);
- NSW Environmentally Hazardous Chemicals Act (1985);
- NSW Waste Avoidance and Resource Recovery Act (2001);
- NSW Work Health and Safety Act (2011); and
- NSW Local Government Act (1993).

The contractor shall endeavour to:

- 1. Minimise fugitive dust emissions;
- 2. Minimise odour;
- 3. Minimise the volume of water containing suspended sediment leaving the site;
- 4. Prevent vehicles from tracking mud on local roads;
- 5. Ensure that noise and vibration levels conform to legislative requirements; and
- 6. Prepare their own EMP prior to mobilisation to site.

A preliminary environmental management plan is provided below. A formal management plan should be prepared prior to commencement and reviewed by an appropriately qualified Environmental Scientists or Engineer.

13.1 SITE SECURITY, RESTRICTED ACCESS AND SIGNAGE

Access to the site will be restricted by means of a perimeter fence and locked gates outside operating hours. Any repairs required to the boundary fence will be undertaken prior to the commencement of remedial works.

Vehicular access to the site shall be through a single controlled entry and exit points. All loads shall be covered with a tarpaulin prior to leaving the site.

Warning signs will be posted to advise members of the public and employees not to enter sections of the site affected by remedial works. Contact information regarding site security including the details of the remediation contractor will be displayed on all access gates. Site security personnel will be advised of restricted access and contact procedures during remediation works.

During remediation works, the site will be designated as a construction area. Consequently, access will be restricted to authorised staff and contractors equipped with appropriate Personal Protective

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Equipment (PPE). Site access will be controlled by the site supervisor. All visitors will report to the site supervisor prior to entering the site.

13.2 DRAINAGE, SEEPAGE AND STORMWATER MANAGEMENT

Storm water will be diverted away from areas of exposed soil by a series of bunds or other appropriate storm water controls. Provisions for stockpiles below relate to material awaiting placement in the clean soil barrier. Management measures for the site will include:

- Storm water diversion bunds and appropriate erosion controls around any excavations (as required), areas of bare soil and stockpiles;
- Minimising surface disturbance and maximising the retention of existing surface cover during the works;
- Stockpiles to be located away from concentrated storm water flow paths including drainage lines, gutters or storm water pits and inlets;
- No stockpiles to be placed on footpaths or nature strips unless prior Council approval has been obtained;
- Construction of sediment controls downstream of diversion bunds, stockpile and traffic areas to minimise the off-site migration of sediment; and
- Vehicular access is to be stabilised to prevent tracking of mud onto roads and footpaths. Soil, earth and mud shall be removed from the roadway by sweeping, shovelling or a means other than washing on a daily basis or as required.

Storm water at site discharge points will be inspected on each day of discharge. Samples will also be collected during the works. Samples will be analysed for Total Suspended Solids (TSS) and Total Oil and Grease (TOG). Corrective action will be required if concentrations of these parameters exceed 50 and 10 mg L⁻¹ respectively.

Silt fences will be constructed around the site perimeter (as required). Hay bales will also be installed around storm water pits in accordance with Department of Housing (1998) requirements.

Visually contaminated seepage and ponded water will be removed by a licenced liquid waste contractor for disposal. Seepage without visible signs of contamination (eg. oily sheen) may be pumped onto stockpiles or bare areas for dust suppression or directly into the storm water system subject to Council approval. Discharges to the storm water system must be sampled and analysed for pH, concentrations of TSS, TOG and priority contaminants. Analytical results must comply with relevant EPA and current Guidelines for water quality prior to discharge. Council may impose additional discharge criteria for water released into the storm water system at the site.



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13.3 CONTROL OF DUST AND ODOUR

Works will be undertaken in a manner that minimises fugitive dust and odour emissions. The following measures shall be taken to control dust and odour:

- Careful handling of material in a manner that minimises dust emissions;
- Placement of screening material (eg. hessian) on perimeter fences adjacent to excavations;
- Spraying dusty parts of the site with water;
- Application of water during placement of material in the clean soil barrier;
- Keeping bare areas moist (where practical);
- Use of tarpaulins to cover loads (incoming and outgoing); and
- Restriction of height of stockpiles of material awaiting placement in the clean soil barrier to below the fence line where possible.

Where visual inspection indicates that dust levels may be unacceptable, work will cease until measures are taken to reduce emissions or until weather conditions improve. The site supervisor will be responsible for dust management.

Local Government requirements state that no odours shall be detected at the site boundary during remedial works by an authorised Council officer relying solely on the sense of smell.

The following procedures may be engaged in order to minimise odours:

- Covering of stockpiles of material awaiting placement in the capping system or clean soil barrier (where practical);
- Use of fine mist sprays and hydrocarbon mitigating agent on impacted areas and materials;
- Adequate maintenance of equipment and machinery to minimise exhaust emissions; and
- In odorous areas, excavate small quantities at the one time.

A programme of dust and noise monitoring should be implemented during the works. The programme will be documented and assessed for compliance against industry and Council standards.

13.4 NOISE CONTROL AND VIBRATION

Noise and vibration will be restricted to reasonable levels. All plant and machinery will be fitted with mufflers to reduce noise. All machinery is to be operated in a manner that minimises noise emissions. Work shall comply with the EPA NSW Noise Manual for the control of construction site noise, such that:



- For a cumulative period of exposure to construction activity noise of up to 4 weeks, the LA10 (15 minute) noise level emitted by the works to specific residences should not exceed the LA90 background level by more than 20 dBA;
- For a cumulative construction noise exposure of between 4 and 26 weeks, the emitted LA10 noise level should not exceed the LA90 level by more than 5 dBA;
- For a cumulative construction noise exposure of greater than 26 weeks, the emitted LA10 noise level should not exceed the LA90 level by more than 5 dBA; and
- The use of any plant and machinery shall not cause vibrations to be felt or capable of being measured at any premises.

13.5 WORKING HOURS

Working hours will be restricted to:

- 7:00 am to 6:00 pm between Monday and Friday; and
- 8:00 am to 1:00 pm on Saturday (or as specified by Council consent conditions).

Work will not be undertaken on Sundays or Public Holidays. The appointed environmental scientist will conduct regular inspections to ensure that operations are conducted in an acceptable manner.

13.6 TRAFFIC AND TRANSPORT

No major traffic disruptions are expected as a result of site remediation works. All machinery will be transported to the site in accordance with regulatory requirements.

All haulage routes for trucks transporting soil, materials, equipment or machinery to and from the site are to be selected to meet the following requirements:

- Comply with all road traffic rules;
- Minimise noise, vibration and odour to adjacent properties; and
- Utilise State Roads and minimise the use of local roads.

The site supervisor shall ensure that all vehicles:

- Conduct deliveries of soil, materials, equipment of machinery during the hours of remediation work for the site;
- Securely cover all loads to prevent/minimise any dust or odour emissions during transport;
- Exit the site in a forward direction; and
- Do not track soil, mud or sediment onto the roads and footpaths.



13.7 UNDERGROUND SERVICES

Service diagrams will be obtained by the civil contractor prior to commencement of remediation works. Where encountered, services will be adequately supported, re-routed or disconnected as required. All work is to be carried out by trades-people with appropriate qualifications.

Care must be taken when working around service conduits and other areas where landfill gas has the potential to accumulate.

13.8 SITE DIARY AND SUPERVISION

The execution of the RAP will be supervised by an appropriately qualified environmental scientist in conjunction with any specialist contractor/s. This person shall be responsible for monitoring excavations, truck loading and recording the truck movements and load characteristics.

Load information shall be verified by comparison with tip dockets. The supervising scientists shall also maintain a site diary containing the following information:

- Date;
- Weather conditions;
- Details of unusual materials or odours encountered during earthworks;
- Field instrument calibration details;
- Location and results of field measurements;
- Details of accidents or incidents on the site;
- Details of any environmental issues and any related corrective and preventive action taken;
- Details of any visitors in relation to environmental or health issues;
- Details of any contractors engaged for the removal of material;
- Record of soil volumes imported or removed from the site, truck movements including destination/source, volumes of material exported/imported to the site;
- Daily site sketches showing the location of stockpiles, excavations and sediment controls;
 and
- Record of soil sampling locations.

13.9 VALIDATION AND ENVIRONMENTAL EFFECTS REPORTING

Consistent with EPA requirements, a validation report will be prepared at the conclusion of remediation works. The validation report will be prepared in accordance with the requirements of *Contaminated Land Guidelines: Consultants Reporting on Contaminated Land* (NSW EPA, 2020) and will confirm that the site has been remediated in accordance with the RAP.

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14 PRELIMINARY WORKKPLACE HEALTH AND SAFETY PLAN

The purpose of the WHS plan is to ensure that the RAP is conducted in a controlled and safe manner with due regard for potential hazards and safe work practices. The WHS plan will be implemented and enforced by the appointed site supervisor following a brief induction by CES. The following preliminary plan contains minimum WHS requirements at the site. Contractors must be required to produce their own project-specific Project Safety Plans prior to the commencement of any works at the site, which their employees are to operate, at all times whilst at the site.

14.1 PERSONNEL AND RESPONSIBILITY

All personnel will be made aware of the person responsible for implementing health and safety procedures. All personnel should read and understand the WHS plan prior to commencing work and have signed a statement to verify this understanding. Contractors shall be responsible for ensuring that their employees are aware of and comply with both the Project Safety Plans developed for each task and with all relevant statutes and regulations.

14.2 IDENTIFICATION OF POTENTIAL HAZARDS

14.2.1 Chemical Hazards

Chemicals or compounds that may be present at the site include, but are not limited to:

- Asbestos:
- Heavy Metals;
- PAHs
- TPH: and
- BTEX.

Potential risks to personnel associated with these compounds, if present at the site, include:

- 1. Ingestion of soil or liquids;
- 2. Dermal (skin) contact with contaminated soil or liquids;
- 3. Inhalation of dust, gas or aerosols containing contaminants; and
- 4. Combustion or explosion of VOC gases.

14.2.2 Physical Hazards

The following physical hazards may exist at the site:

- Heavy equipment (mobile and stationary);
- Light vehicles, associated traffic and vehicle hazards;
- Cranes, hoisting and lifting equipment;
- Excavations;



- Heat exposure;
- Buried Services;
- Uneven, slippery ground;
- Noise;
- Dust;
- Electrical equipment; and
- Snakes, spiders.

14.3 MEDICAL SURVEILLANCE

It is expected that all personnel on the site have undergone specific training for working on contaminated sites. A site-specific medical surveillance scheme is not considered necessary for this project. Qualifications of personnel working on site will be verified by the contractor prior to the commencement of works.

14.4 SITE WORK PRACTICES

14.4.1 Personal hygiene

No smoking, eating or drinking should be permitted on site in areas where the possibility of contamination exists. In particular, smoking should be prohibited in areas were VOC gases or other inflammable materials may have accumulated. In these areas, a designated clean location should be allocated for smoking and the consumption of food or drink. These areas should be equipped with hand washing facilities which must be used prior to engaging in these activities. Personnel should be made aware of the location of these facilities.

14.4.2 Decontamination

Contaminated equipment should not be removed from the work area. Removal of contaminated equipment should be undertaken with caution in order to avoid contaminating other parts of the site.

14.4.3 Restricted Access

Access to the site must be restricted by a perimeter fence. Signs should be erected to notify personnel of the presence of excavations on the site. Site visitors must report to the site office prior to entering the site.

14.4.4 Personal protection

Personnel will take measures to avoid into direct contact with contaminated material. Workers are to ensure that soil, surface water or groundwater are not ingested or swallowed and that direct contact with skin is avoided. Personnel should wear the following Personal Protective Equipment (PPE):



- 1. Steel-capped boots meeting AS2010 requirements;
- 2. Safety vest;
- 3. Hard hat meeting AS1801-1981 requirements when working within the site;
- 4. Hearing protection meeting AS1270-1988 requirements when working around machinery or plant and equipment if noise levels exceed exposure standards;
- 5. Safety glasses or goggles with side shields meeting AS1337-1992 requirements as necessary;
- 6. Disposable latex gloves for personnel involved in soil or groundwater sampling; and
- 7. Breathing apparatus shall be used as required.

In the unlikely event that personnel are required to work in areas with highly contaminated soil or other hazardous materials additional PPE. The contractor shall be responsible for ensuring that appropriate PPE is provided and used during site works.

An explosive gases meter must be used during all 'in-ground' works to detect the presence of landfill gas.

14.5 EMERGENCY RESPONSE PLAN

14.5.1 Resources

The following emergency numbers can be called in the event that medical or other emergency services are required:

Hospital: St George Hospital

Gray Street, Kogarah

(02) 9113 1111

Police: 000

Electrical: Energy Australia

(02) 131 388

Council: Bayside Council

444-446 Princes Highway,

Rockdale NSW 2216

(02) 9562 1777

Water: Sydney Water

(02) 132 090



Gas: Australian Gas Company (AGL)

111 Pacific Highway

North Sydney NSW 2060

(02) 131 909

14.5.2 Responsibilities

The site supervisor will be responsible for ensuring that site personnel are aware of emergency services available. A site safety officer must be available during remedial works.

14.5.3 Contact Names and Numbers

Contact names and numbers for the CES and the remediation contractor must be displayed on the site access gates during the works.

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15 CONCLUSION

It is concluded that if the RAP and a subsequent SMP are implemented the site will be suitable for the proposed use.



16 REFERENCES

Australian Medical Health & Research Council and Australian and New Zealand Environment & Conservation Council, 1992: Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites. January 1992.

Australian and New Zealand Environment and Conservation Council: 2000: *Guidelines for Fresh and Marine Water Quality, National Water Quality Management Strategy*. October 2000.

Australian Standard AS4482.2-1997: Guide to the sampling and investigation of potentially contaminated soil. Part 1. Non-volatile and semi-volatile compounds.

Australian Standard AS4482.2-1997: Guide to the sampling and investigation of potentially contaminated soil. Part 2. Volatile substances.

Australian Standard AS 4976-2008: The Removal and Disposal of Underground Storage Tanks.

Consulting Earth Scientists, 2001: *Phase 1 Environmental Site Assessment: Cooks Cove Development Site*. Prepared for Trafalgar Properties Pty Ltd and Page Kirkland Management Pty Ltd. CES Report ID: CES010403-TRF-02-D1.

Consulting Earth Scientists, April 2001: *Site Contamination Issues Paper: Cooks Cove Development Site*. Prepared for Trafalgar Properties Pty Ltd and Page Kirkland Management Pty Ltd.

Consulting Earth Scientists, September 2001: Report on Wetland Sampling Conducted 26 August 2001. Prepared for Trafalgar Properties Pty Ltd and Page Kirkland Management Pty Ltd.

Consulting Earth Scientists, October 2001: Report on Well Installation and Groundwater Sampling Programme: Cooks River Development Site. Prepared for Trafalgar Properties Pty Ltd and Page Kirkland Management Pty Ltd.

Consulting Earth Scientists, June 2006. Sampling, Analysis and Quality Control Plan: Environmental Site Assessment, Area B - Proposed Golf Course North, Cooks Cove Development Site. Prepared for Boyd Cook Cove. CES Report ID: CES050706-BCC-02-F.

Consulting Earth Scientists, June 2008. *Environmental Site Assessment: Area A – Proposed Golf Course North, Cooks Cove Development Site*. Prepared for Boyd Cook Cove. CES Report ID: CES050706-BCC-17-D.

Consulting Earth Scientists, July 2008. *Remediation Action Plan: Area A - Proposed Trade and Technology Zone, Cooks Cove Development Site*. Prepared for Cook Cove Pty Ltd. CES Report ID: CES050706-BCC-22-F.

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Consulting Earth Scientists, July 2008. *Remediation Action Plan: Area B - Proposed Golf Course North, Cooks Cove Development Site.* Prepared for Cook Cove Pty Ltd. CES Report ID: CES050706-BCC-23-F.

Consulting Earth Scientists, July 2008. *Environmental Site Assessment: Area A - Proposed Trade and Technology Zone, Cooks Cove Development Site*. Prepared for Cook Cove Pty Ltd. CES Report ID: CES050706-BCC-17-F.

Consulting Earth Scientists, February 2023. *Environmental Site Assessment: Cooks Cove Development Zone*. Prepared for Cook Cove Inlet Pty Ltd. CES Report ID: CES130608-BP-AR.

Department of Environment and Conservation, 2006: *Contaminated Sites: Guidelines for the NSW Site Auditor Scheme*, 2nd Edition. Note that this guidelines have been updated by NSW EPA 2017 *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

Department of Environment and Conservation, 2007: Contaminated Sites: Guidelines for the Assessment and Management of Groundwater Contamination.

New South Wales Environment Protection Authority, NSW EPA, 2014: Waste Classification Guidelines: Part 1 Classifying Waste, Second Edition.

Department of Mineral Resources, 1983: Sydney 1:100000 Geological Series Map.

Environment Protection Authority NSW, 1995: *Contaminated Sites: Sampling Design Guidelines*, EPA 95/59, September 1995, 35 pp. Note that this sampling guidelines have been updated by NSW EPA (August 2022) *Contaminated Land Guidelines: Sampling design part 1 – application & Sampling design part 2 – interpretation.*

Environment Protection Authority NSW, 1996: *Environmental Guidelines : Solid Waste Landfills*. EPA 95/85, January 1996.

Environment Protection Authority NSW, 1997: *Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites*. EPA 97/104, Environment Protection Authority of New South Wales, Chatswood, 22 pp. Note that this guidelines have been updated by NSW EPA, 2020 Contaminated Land Guidelines: Consultants Reporting on Contaminated Land.

Golder Associates (January 2002). Contamination Investigation and Conceptual Remediation Approach for Cooks River Development, Arncliffe.

US EPA Region 9: Superfund. Preliminary remediation goals (PRGs) www.epa.gov/region09/waste/sfund/prg/whatsnew.htm.

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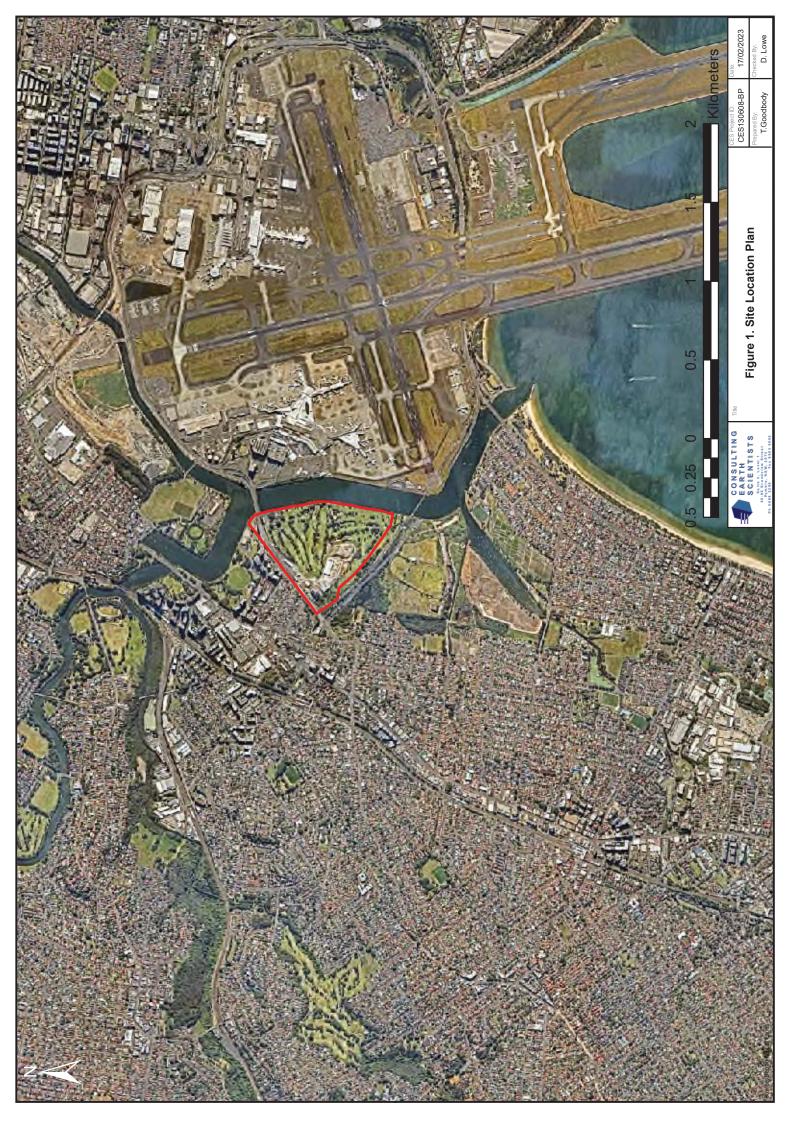
National Environment Protection Council, 2013: *Schedule B(1) Guideline on Investigation Levels for Soil and Groundwater.* National Environment Protection Measure.

Environment Protection Authority, 2012: Guidelines for the Assessment and Management of Sites Impacted by Hazardous Ground. EPA 2012/0932, Environment Protection Authority of New South Wales, Chatswood, 22 pp. Note that this guidelines have been updated by the NSW EPA 2020 Contaminated Land Guidelines Assessment and management of hazardous ground gases

Technical Note: Investigation of Service Station Sites (NSW EPA, 2014)



Figures













Tables

	Table 1:	Remediation Accepts	Table 1: Remediation Acceptance Criteria - Soils $({ m mgkg^{-1}})$	1 g kg $^{-1}$)	
Contaminant	HIL (C)	HIL (D)	HSL (C)	HSL (D)	Source
Lead	009	1500	-	-	NEPC (2013) – Schedule (B1)
Benzo(a)pyrene TEQ	3	40	-	-	NEPC (2013) – Schedule (B1)
Total PAHs	300	4000	-	-	NEPC (2013) – Schedule (B1)
Benzene	-	-	-	3	NEPC (2013) – Schedule (B1)
Total Xylenes	-	-	-	230	NEPC (2013) – Schedule (B1)
Asbestos (Bonded ACM) (w/w %)	0.02	0.05	-	-	NEPC (2013) – Schedule (B1)

	Table 1:	: Remediation Accepts	Table 1: Remediation Acceptance Criteria - Soils (mg kg ⁻¹)	$(g kg^{-1})$	
Contaminant	EIL (C)	EIL (D)	EST (C)	EST (D)	Source
Lead	1131	1831	-	1	NEPC (2013) – Schedule (B1)
Benzo(a)pyrene	0.7	0.7	•	,	NEPC (2013) – Schedule (B1)
Benzo(a)pyrene TEQ	-	-	-	-	NEPC (2013) – Schedule (B1)
Total PAHs	-	-	-	-	NEPC (2013) – Schedule (B1)
Benzene	-	-	50	75	NEPC (2013) – Schedule (B1)
Total Xylenes	-	-	45	95	NEPC (2013) – Schedule (B1)
Asbestos (Bonded ACM) (w/w %)	1	-	-		NEPC (2013) – Schedule (B1)

Table 2: Sui	mmary of Criteria for Chemical Assessment to De	termine Waste Classification
Waste Classification	Criteria for classification by chemical assessment (any of the alternatives given)	Comments
	1. SCC test values ≤ CT1	TCLP test not required
	2. TCLP test values ≤ TCLP1 and	
General	SCC test values \leq SCC1.	
Solid Waste	3. TCLP test values ≤ TCLP1 and	Without DECC approval of
	SCC test values > SCC1 and	immobilisation, classify as
	immobilisation DEC approved.	restricted or hazardous.
	1. SCC test values ≤ CT2	TCLP test not required
	2. TCLP1 < TCLP test values ≤ TCLP2 and	
	$SCC1 < SCC $ test values $\leq SCC2$.	
Restricted	3. TCLP test values ≤ TCLP2 and	Without DECC approval of
Solid Waste	SCC test values > SCC2 and	immobilisation, classify as
~ 011 u	immobilisation DEC approved.	hazardous.
	4. TCLP1 < TCLP test values ≤ TCLP2 and	
	SCC test values > SCC2 and	
	DECC approved for immobilisation.	
	1. TCLP test values > TCLP2	
Hazardous	2. TCLP test values ≤ TCLP2 and	
Waste	SCC test values > SCC2 and no	
	DECC approval for immobilisation.	
Source: NSW EPA	A (2014) Waste Classification Guidelines.	

Table 3:	NSW EPA	(2014) Asse	ssment Cri	teria for No	n-liquid W	aste			
Parameter	Gen	eral Solid W	aste						
	CT1 mg kg ⁻¹	TCLP1 mg L ⁻¹	SCC1 mg kg ⁻¹	CT2 mg kg ⁻¹	TCLP2 mg L ⁻¹	SCC2 mg kg ⁻¹			
Arsenic	100	5.0	500	400	20	2000			
Benzene	10	0.5	18	40	2	72			
Benzo(a)pyrene	0.8	0.04	10	3.2	0.16	23			
Cadmium	20	1.0	100	80	4	400			
Ethylbenzene	600	30	1080	2400	120	4320			
Lead	100	5	1500	400	20	6000			
Mercury	4	0.2	50	16	0.8	200			
Nickel	40	2	1050	160	8	4200			
TPH C ₆ -C ₉	N/A 1	N/A 1	650	N/A 1	N/A 1	2600			
TPH C ₁₀ -C ₃₆	N/A 1	N/A 1	10000	N/A 1	N/A 1	40000			
Toluene	288	14.4	518	1152	57.6	2073			
Total PAHs	N/A 1	N/A 1	200	N/A 1	N/A 1	800			
PCBs	N/A 1	N/A 1	< 50	N/A 1	N/A 1	< 50			
OCP	N/A 1	N/A ¹	< 50	N/A 1	N/A ¹	< 50			
Xylenes (total)	1000	50	1800	4000	200	7200			

Note 1: TPH, OCP, PAHs, PCBs and scheduled chemicals evaluated on the basis of total concentrations (SCC) only. No TCLP.

e 4: Validation Sampling Programme Analytes	Asbestos OCP, OPP, PCB, BTEX PAHs TPH Metals	ace and shallow soil) 0-0.1 m and 0.4-0.5 m	Representative of stockpiled · · · · material	mple per 25 m³ for quantities greater Site dependent	ig site history, source site inspection - Classifyed as VENM
		m and 0.5 m	entative ckpiled	pendent	
ogramm 	De	0-0.1	Repres of sto		u
Table 4: Validation Sampling Pr	Number	Two samples (surface and shallow soil)	1 per 100 Tonne	Four samples up to 75 m 3 or one sample per 25 m 3 for quantities greater then 75 m 3	VENM assessment report including site history, source site inspecti and appropriate transportation dockets
	Location	In-situ material at BBH430, BBH433 and BBH419 for clean soil barrier	Material won on-site	Excavation and stockpiling for waste classification (if requried)	Imported fill in clean soil barrier

Table 5: Analy	tical Parameters,	PQLs and Me	thods - Soil					
Parameter	Unit	Proposed PQL	Method based on					
	Metals in	Soil						
As ¹	mg kg ⁻¹	5	USEPA 200.7					
Cd ¹	mg kg ⁻¹	0.5	USEPA 200.7					
Cr ¹	mg kg ⁻¹	5	USEPA 200.7					
Cu ¹	mg kg ⁻¹	5	USEPA 200.7					
Hg ²	mg kg ⁻¹	0.05	USEPA 7471A					
Ni ¹	mg kg ⁻¹	2	USEPA 200.7					
Pb ¹	mg kg ⁻¹	5	USEPA 200.7					
Zn ¹	mg kg ⁻¹	5	USEPA 200.7					
Cr(VI)	mg kg ⁻¹	1	APHA 4300Cr-D					
Total 1	Petroleum Hydrocai	bons (TPH) in So	il					
C ₆ -C ₉ fraction	mg kg ⁻¹	5	USEPA 8015B					
C ₁₀ -C ₁₄ fraction	mg kg ⁻¹	10	USEPA 8015B					
C ₁₅ -C ₂₈ fraction	mg kg ⁻¹	50	USEPA 8015B					
C ₂₉ -C ₃₆ fraction	mg kg ⁻¹	50	USEPA 8015B					
Total C ₆ -C ₃₆	mg kg ⁻¹	5	USEPA 8015B					
BTEX in Soil								
Benzene	mg kg ⁻¹	0.2	USEPA 8021A					
Toluene	mg kg ⁻¹	1	USEPA 8021A					
Ethylbenzene	mg kg ⁻¹	1	USEPA 8021A					
m&p-xylene	mg kg ⁻¹	2	USEPA 8021A					
o-xylenes	mg kg ⁻¹	1	USEPA 8021A					
	Organic Contamin	ants in Soil						
PAHs	mg kg ⁻¹	0.5^{3}	USEPA 8270 SIM					
OC Pesticides	mg kg ⁻¹	0.1	USEPA 8081A					
OP Pesticides	mg kg ⁻¹	0.1	USEPA 8081A					
Total PCBs	mg kg ⁻¹	1	USEPA 8081A					
	Miscellaneou	s Tests						
Asbestos Identification			Polarised Light Microscopy					

Note 1: Acid soluble metals by ICP-AES.

Note 2: Total recoverable mercury. Note 3: PQL of 0.5 mg kg⁻¹ for PAHs in soil except total PAH, benzo(b) and (k)fluoranthene (1 mg kg⁻¹).

Table 6: Containers, Preservation Requirements and Holding Times - Soil	servation Req	uirements and l	Holding Times	- Soil
Parameter	Container	Preservation	Maximum holding time	Colour
Acid digestible metals and metalloids (As,Cd,Cu,Cr,Ni,Pb,Zn)	Glass with Teflon lid	I!N	6 months	Orange
Mercury	Glass with Teflon lid	I!N	28 days	Orange
TPH/BTEX	Glass with Teflon lid	4°C, zero headspace	7 days	Orange
PAHs	Glass with Teflon lid	4°C	14 days ¹	Orange
OCPs, OPPs and total PCBs	Glass with Teflon lid	4oC	14 days ¹	Orange
Asbestos	Polyethylene bag or equivalent	Nil	N/A	Orange
Note 1: Extraction within 14 days. Analysis within 40 days.	ithin 40 days.			

	Table 7: QA/QC Data Acceptance C	riteria
QA/QC Sample Type	Method of Assessment	Acceptable Range
	Field QA/QC	
Blind Replicates and Split Samples	The assessment of split replicate is undertaken by calculating the Relative Percent Difference (RPD) of the replicate concentration compared with the original sample concentration. The RPD is defined as: $RPD = 100 \ x \ \underline{/X_1 - X_2/}$ Average $Where: \ X_1 \ and \ X_2 \ are the concentration of the original and replicate samples.$	The acceptable range depends upon the levels detected: • 0 - 100% RPD (When the average concentration is < 5 times the PQL) • 0 - 75% RPD (When the average concentration is 5 to 10 times the PQL) • 0 - 50% RPD (When the average concentration is > 10 times the PQL)
Blanks (Rinsate and Trip blanks)	Each blank is analysed as per the original samples.	Analytical Result < PQL
Labor	atory QA/QC (as below or appropriate labor	atory-defined criteria)
Laboratory Duplicates	Assessment as per Split Replicates.	The acceptable range depends upon the levels detected: • 0 - 100% RPD (When the average concentration is < 4 times the PQL) • 0 - 50% RPD (When the average concentration is 4 to 10 times the PQL) • 0 - 30% RPD (When the average concentration is > 10 times the PQL)
Surrogates Matrix Spikes Laboratory Control Samples	Assessment is undertaken by determining the % Recovery of the known spike or addition to the sample. $\frac{C - A}{B}$ % Recovery = 100 x $\frac{C - A}{B}$ Where: A = Concentration of analyte determined in the original sample; B = Added Concentration; C = Calculated concentration after adding B.	Surrogates: 70% – 130% Matrix Spikes: 70% - 130% (Organics) 80% - 120% (Inorganics) LCS: 70% - 130% (Organics) 90% - 110% (Inorganics) If the result is outside the above ranges, the appropriate laboratory-defined criteria shall be
Method Blanks	Each blank is analysed as per the original samples.	used) Analytical Result < PQL

Note: 1 PQL = Laboratory Practical Quantitation Limit or the minimum detection limit for a particular analyte.

Reference: APHA 18th Edition. Australian Standard AS4482.1-1997 Guide to Sampling and investigation of potentially contaminated soil. Part 1:

Non-volatile and semi-volatile compounds



Appendix 1 Summary of Analytical Results and Borehole Logs

Easting:

329867.686

CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: **ESA**

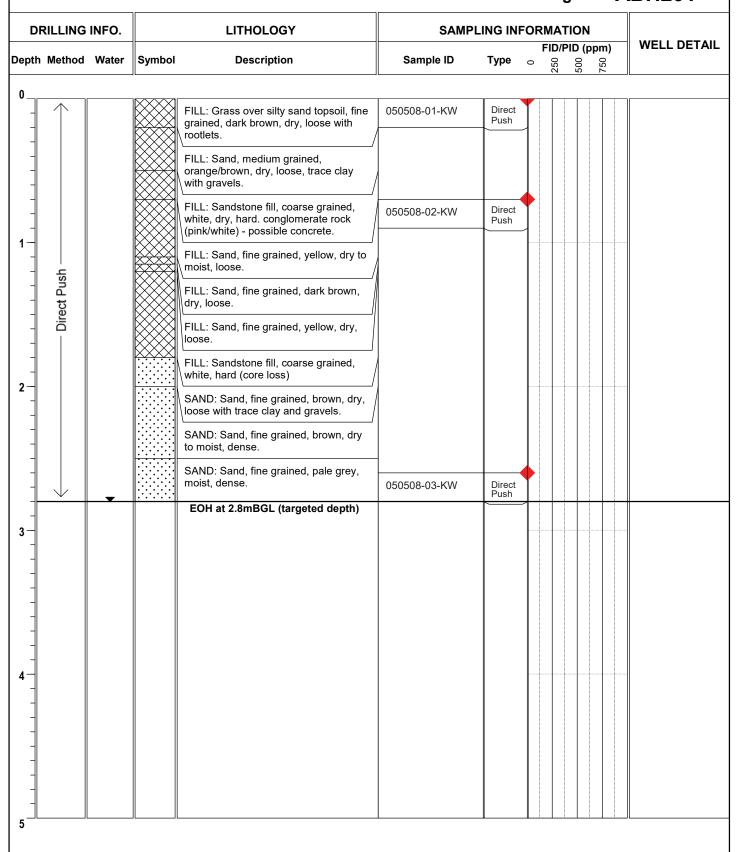
Client:

Boyd Cooks Cove

Elevation: 2.97

Northing: 6243591.190

ABH201 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 05/05/2008

Date Completed: 05/05/2008

Logged/checked by: K.Weir/L.Jenkins

OL0030700-DO

Boyd Cooks Cove

Easting: 329924.428

Project: ESA

Client:

Northing: 6243586.055

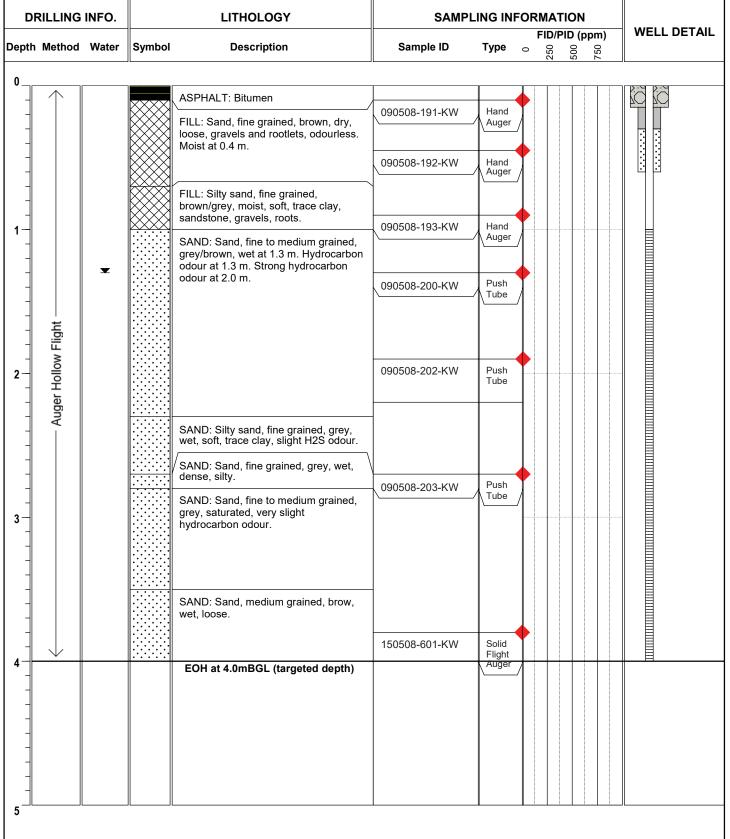
Elevation: 1.74



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Location: Cooks Cove - Area A

Environmental Log: ABH202



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 150

Date Commenced: 09/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Easting: 329763.306

Northing: 6243541.165

Client: Boyd Cooks Cove

101 tilling: 02+00+1.1

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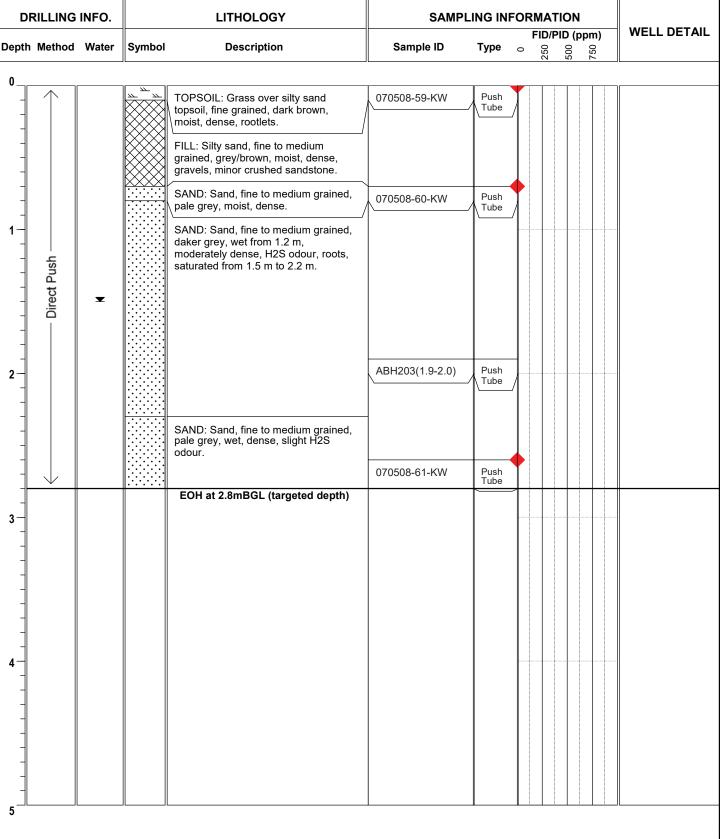
CONSULTING

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Elevation: 1.23

Location: Cooks Cove - Area A Environmental Log: ABH203



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: **ESA** Easting: 329799.291

Northing: 6243532.840

Elevation: 1.06

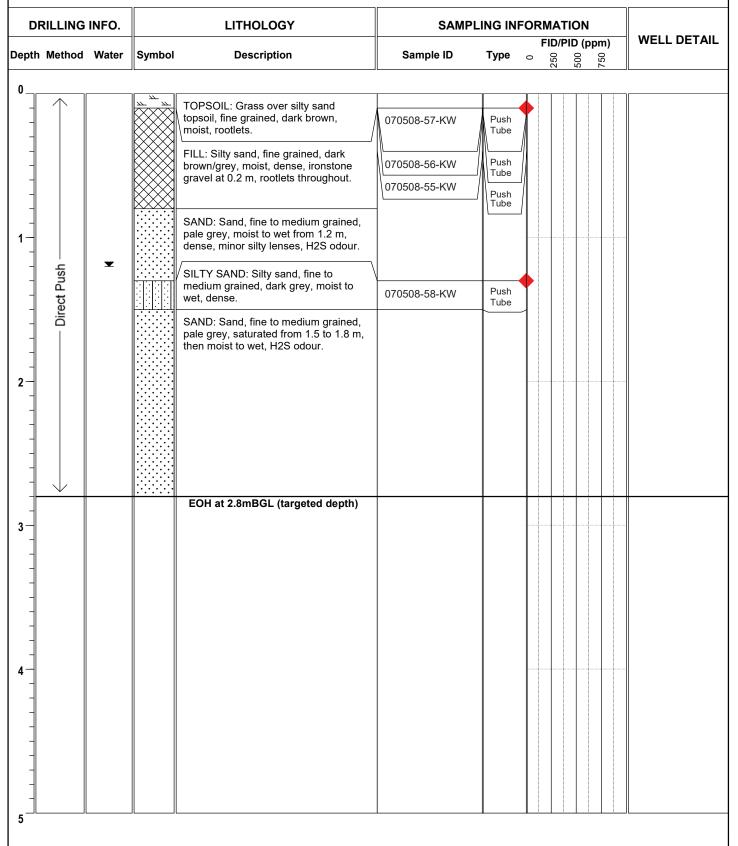
Boyd Cooks Cove Client:

SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A

ABH204 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329831.695

Project: **ESA** Northing: 6243544.297

Boyd Cooks Cove

Client:

Drill Model:

Hole Diameter (mm): 50

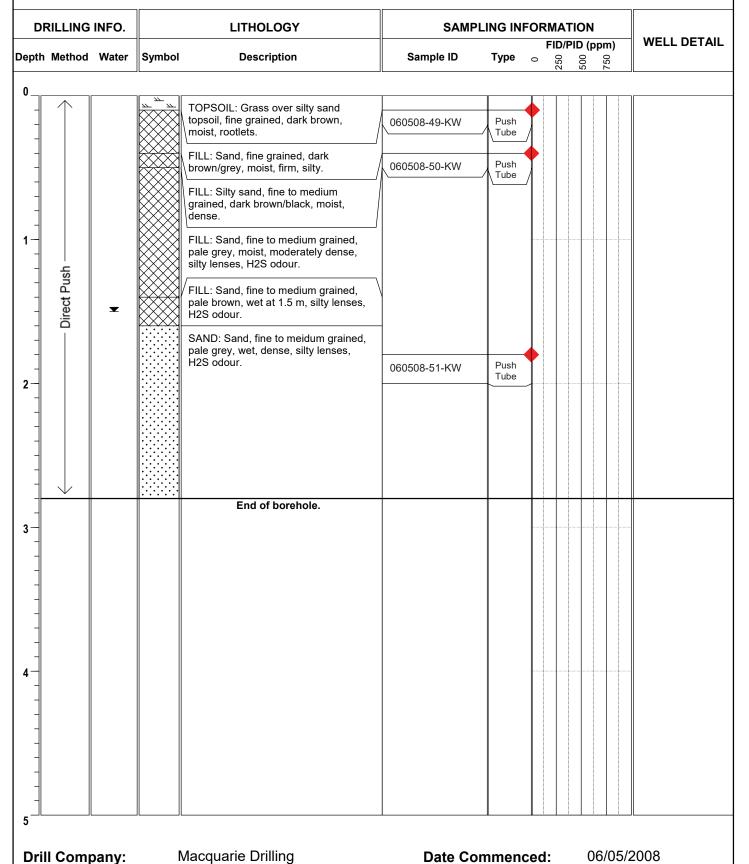
Mac200

Elevation: 1.19



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Location: Cooks Cove - Area A **Environmental Log: ABH205**



Date Completed:

Logged/checked by:

06/05/2008

K.Weir/L.Jenkins

Easting: 329880.449

Project: **ESA** Northing: 6243542.211

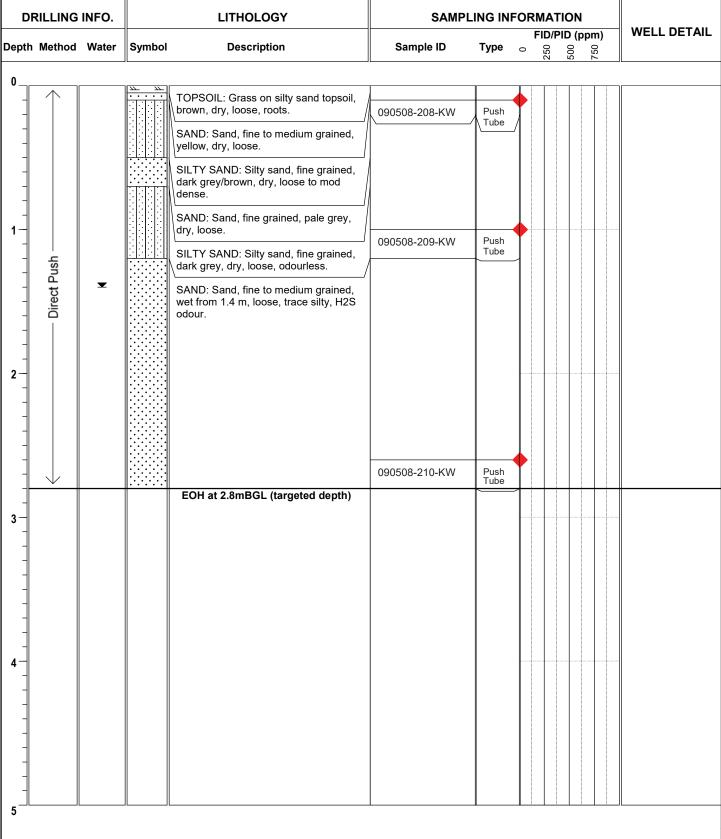
Boyd Cooks Cove Client:

Elevation: 2.68



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Location: Cooks Cove - Area A **Environmental Log: ABH206**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

Client:

2000700 200

Easting: 329925.011

Northing: 6243539.904

Boyd Cooks Cove **Elevation**: 3.72



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Location: Cooks Cove - Area A Environmental Log: ABH207

DRILLING INFO. LITHOLOGY		SAMPLING INFORMATION FID/PID (ppm)							WELL DETAIL			
epth	Method	Water	Symbol	Description	Sample ID	Туре	0 0	FID/F 520) OI 9	ppi	m) 09/	WELL DETAIL
0					T			1 :				
-	t Pus			ASPHALT: Bitumen								
	Direct Pus			FILL: Roadbase and gravel with crushed sandstone, dry, odourless.	090508-207-KW	Push Tube						
-				SANDSTONE: Sandstone, white/orange, dry, hard. EOH at 0.4mBGL (Refusal on sandstone bedrock)								
1												
-												
- - - !-												
-							***************************************					
_ - - -												
- - - -												
_												

Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Cooks Cove - Area A

Easting:

329676.926

Project:

Client:

Location:

ESA

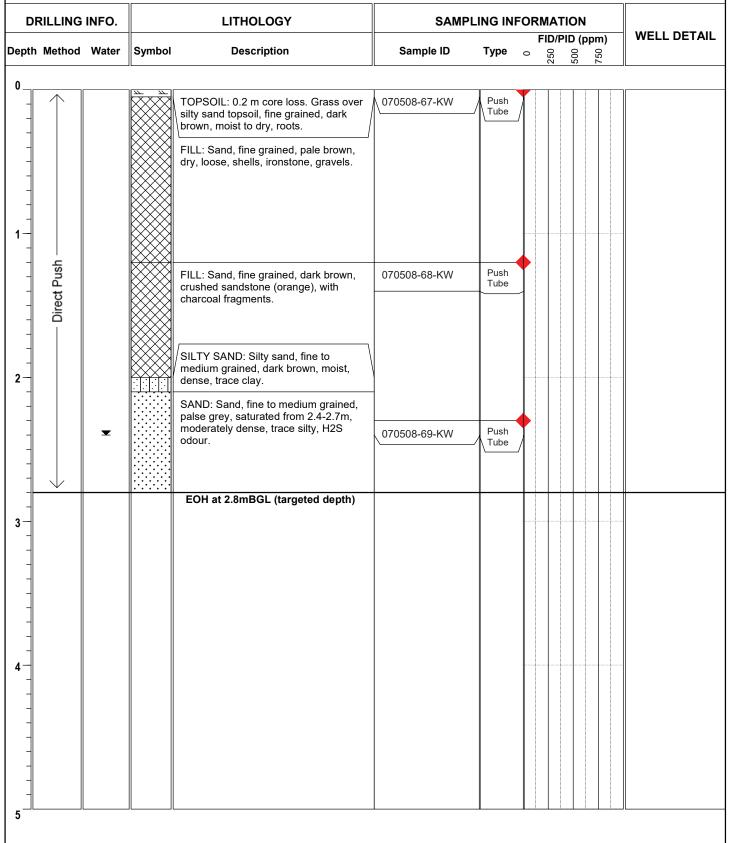
Northing: 6243500.164

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Elevation: 2.12

Environmental Log: ABH208



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

Easting: 329738.333

Northing: 6243496.302

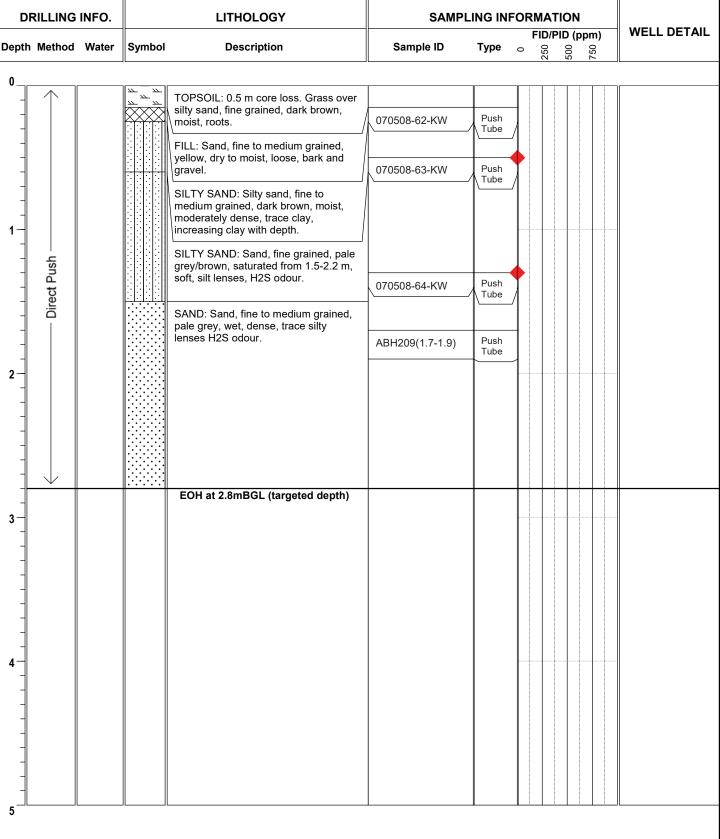
Boyd Cooks Cove Client:

Elevation: 1.13



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Location: Cooks Cove - Area A **Environmental Log: ABH209**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting:

329798.581

Northing: 6243492.370

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ABH210

Project: **ESA**

Client:

Boyd Cooks Cove Elevation: 0.86

Location: Cooks Cove - Area A **Environmental Log:**

DRILLING INFO. LITHOLOGY SAMPLING INFORMATION **WELL DETAIL** FID/PID (ppm) Depth Method Water Symbol Description Sample ID Type TOPSOIL: 0.3 m core loss. Grass over silty clay topsoil, fine grained, dark 060508-46-KW Push brown, moist, soft, rootlets. Tube 060508-47-KW FILL: Black coke and ash with white Tube slag and silty sand, fine grained, dark brown, moist, glass, VOC (WD40) odour. SILTY SAND: Silty sand, fine to medium grained, dark grey, moist, dense. SILTY SAND: Silty sand, medium to 060508-48-KW Push Direct Push coarse grained, pale brown, moist, Tube dense, trace clay, slight VOC and H2S odour. SAND: Sand, medium grained, pale grey, moist and wet at 1.2 m, dense, silt lenses, H2S odour. SILTY SAND: Silty sand, medium grained, dark grey, wet (saturated from 1.4-2.8 m), H2S odour. SAND: Sand, medium grained, grey, wet, moderately dense, silty lenses. ABH210(2.6-2.8) Push Tube EOH at 2.8mBGL (targeted depth)

Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Drill Model:

Hole Diameter (mm): 50

Mac200

Easting: 329832.382

Northing: 6243498.085

Client: Boyd Cooks Cove

voitining. 0243490.00

Elevation: 1.18

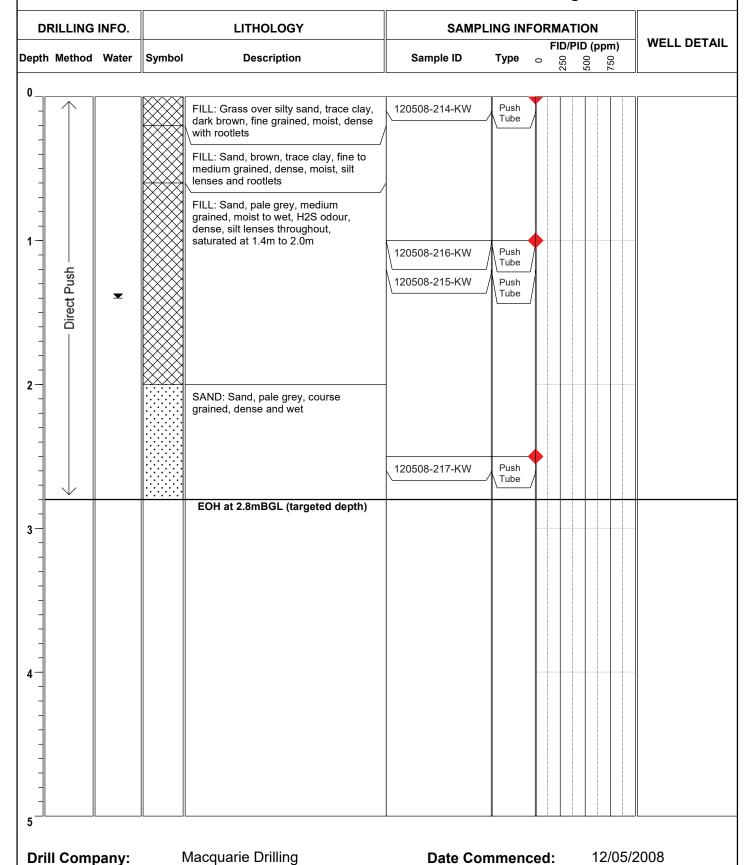
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Location: Cooks Cove - Area A

Environmental Log: ABH211



Date Completed:

Logged/checked by:

12/05/2008

K.Weir/L.Jenkins

Easting: 329878.222

Northing: 6243497.379

Project: **ESA**

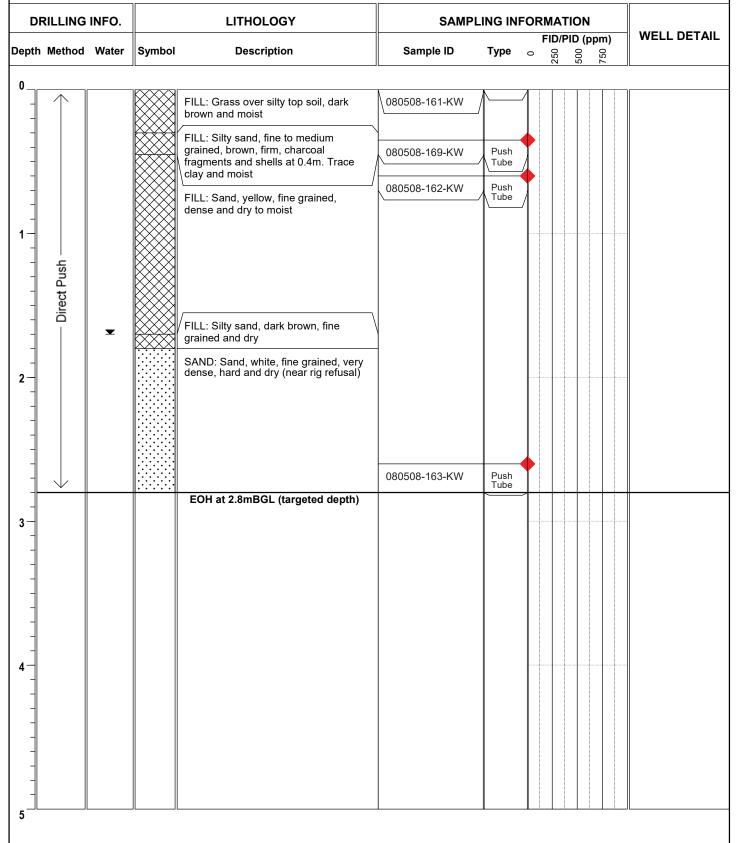
Boyd Cooks Cove Client:

Elevation: 5.73



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Location: Cooks Cove - Area A **Environmental Log: ABH212**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329919.200

Project: **ESA** Northing: 6243488.726

Client:

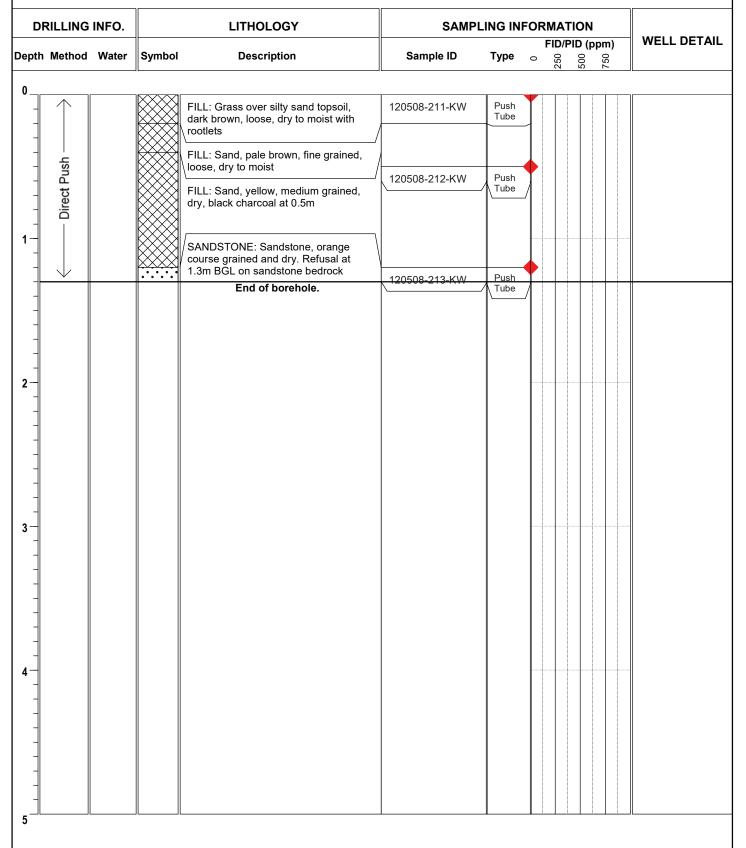
Elevation: 5.00

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CONSULTING

Location: Cooks Cove - Area A **Environmental Log: ABH213**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

Client:

Easting: 329655.819

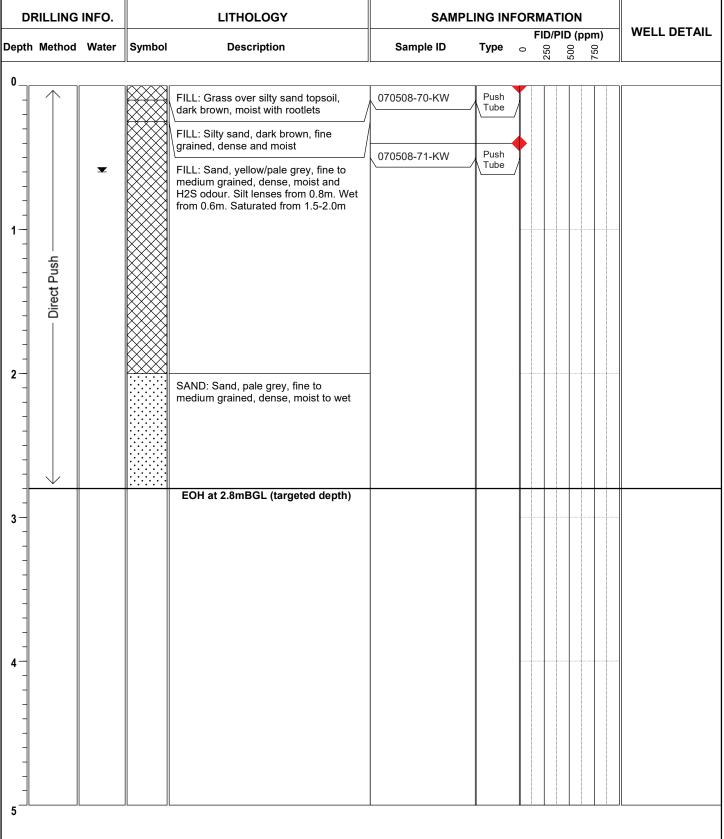
Northing: 6243449.734

Boyd Cooks Cove Elevation: 0.97



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Location: Cooks Cove - Area A **Environmental Log: ABH214**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329724.248

Project: **ESA**

Client:

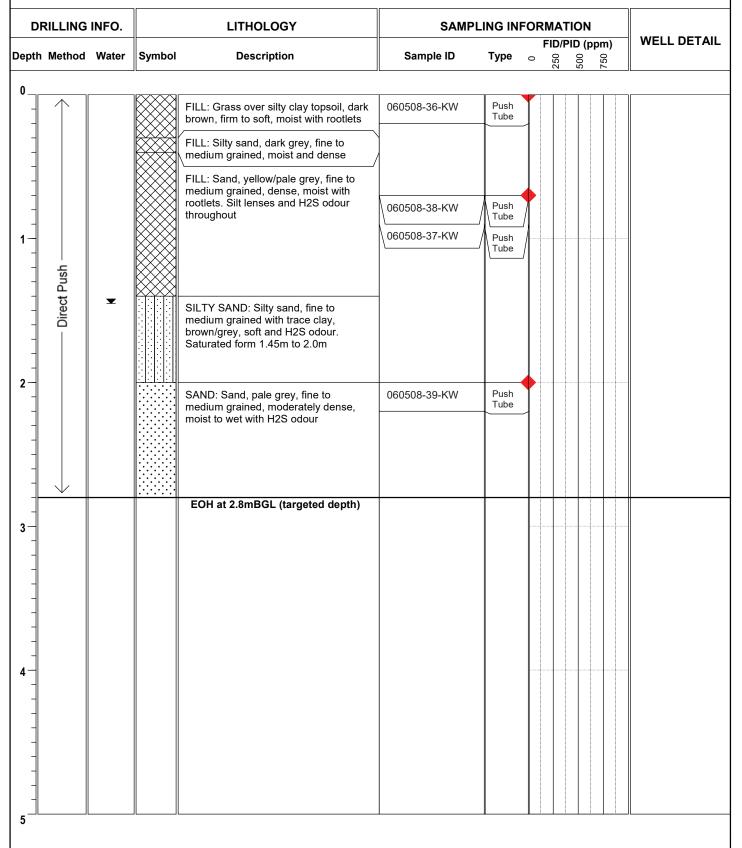
Northing: 6243447.953

Elevation: 1.04



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Location: Cooks Cove - Area A **Environmental Log: ABH215**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

: CES050706-BCC

Easting: 329754.370

Project: ESA

Northing: 6243446.681

Client: Boyd Cooks Cove

10111111191 02 10 1 10.0

Elevation: 0.97



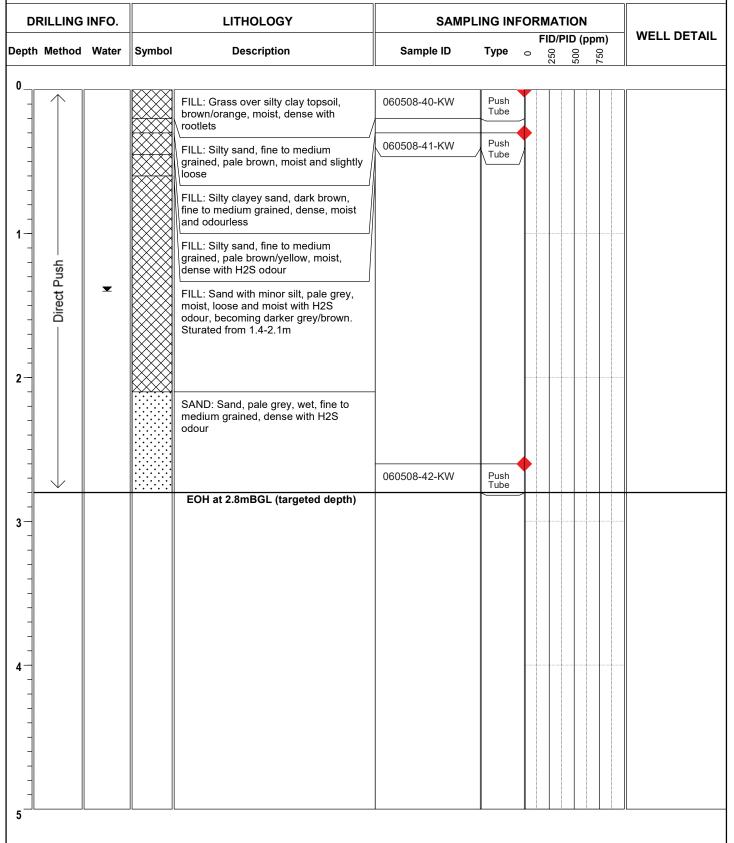
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Location: Cooks Cove - Area A

Environmental Log: ABH216



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329814.547

Elevation: 0.93

Project: ESA

Northing: 6243438.850

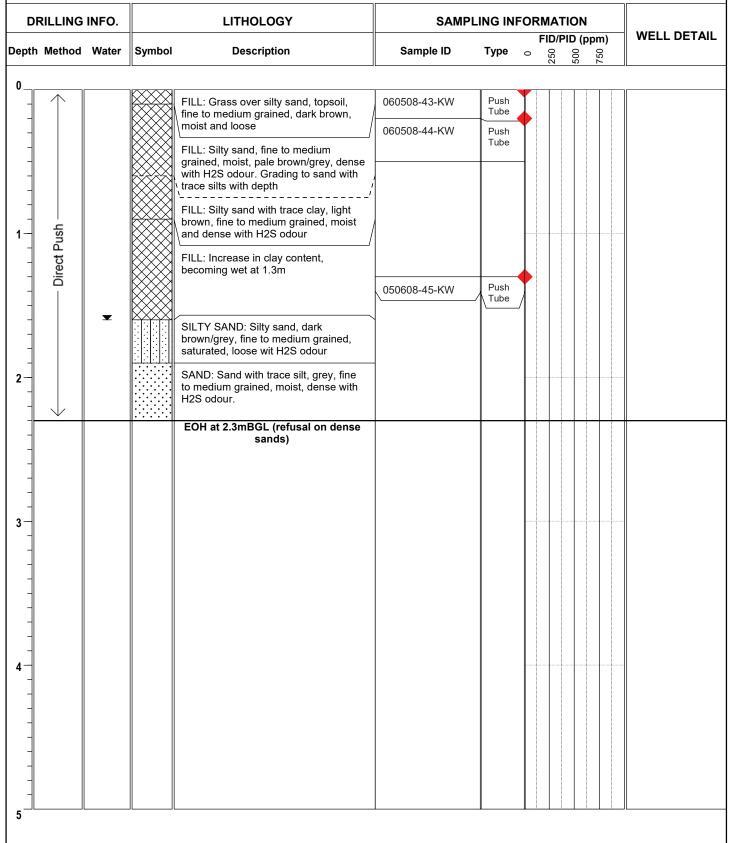




Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH217 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329845.698

Project: **ESA** Northing: 6243452.655

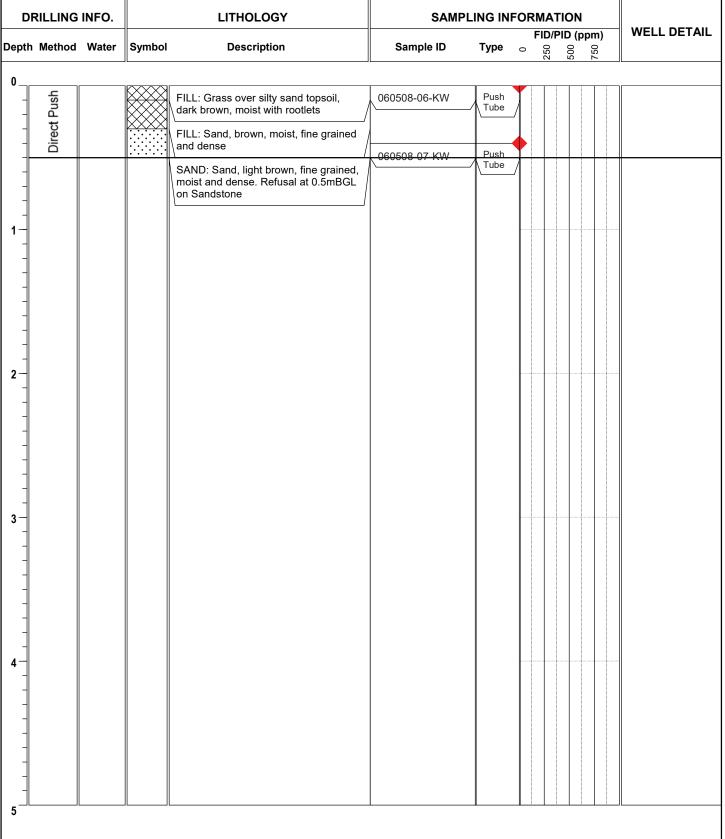
Boyd Cooks Cove Client:

Elevation: 1.39



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Location: Cooks Cove - Area A **Environmental Log: ABH218**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

06/05/2008 **Date Commenced:**

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Easting: 329884.676

Project:

Client:

Northing: 6243447.707

Elevation: 2.50

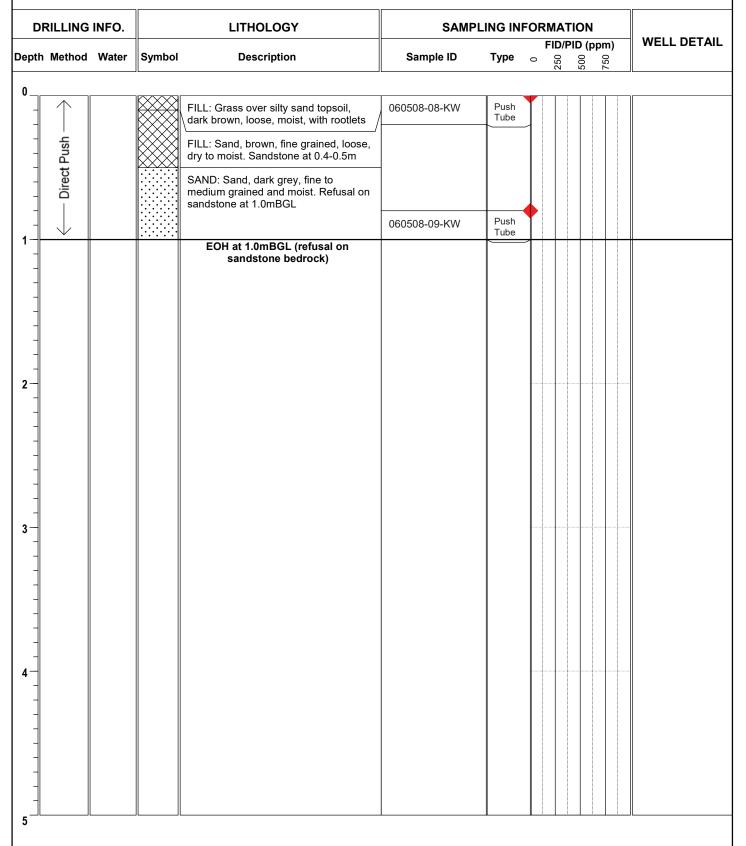


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH219



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329924.044

Project: **ESA** Northing: 6243450.645



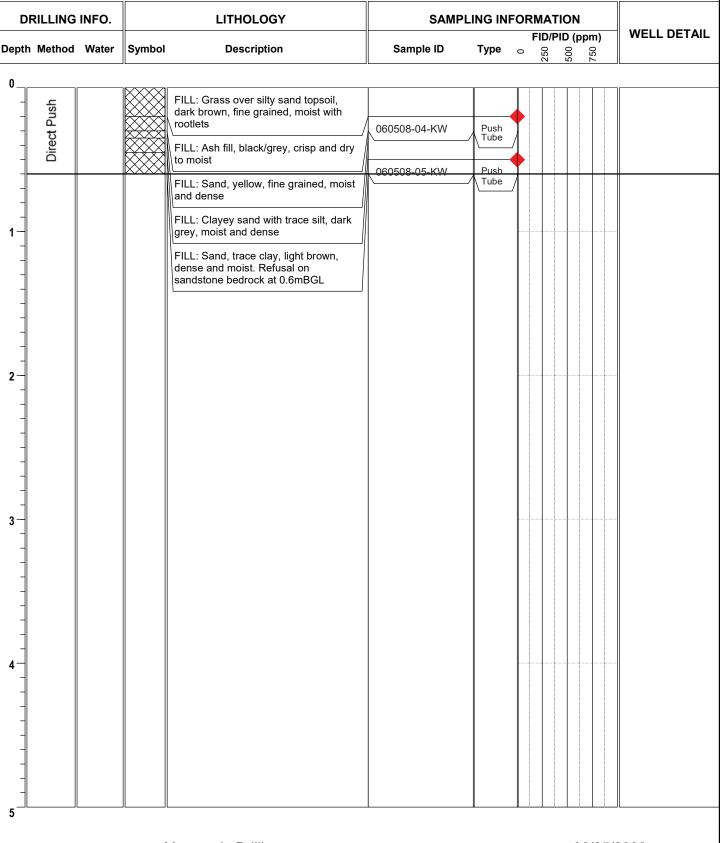
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Boyd Cooks Cove Client:

Elevation: 2.25

Location: Cooks Cove - Area A **Environmental Log: ABH220**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting:

329994.603

Project: E

Client:

ESA

Northing: 6243450.997

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Elevation: 1.31

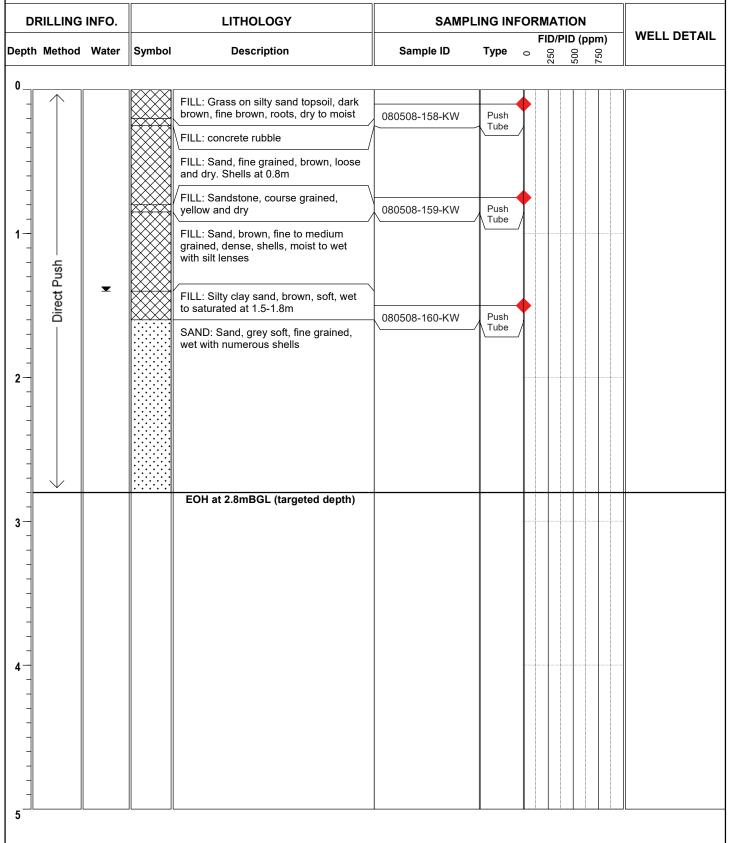
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Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH221



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329565.810

Project: **ESA** **Northing:** 6243401.446

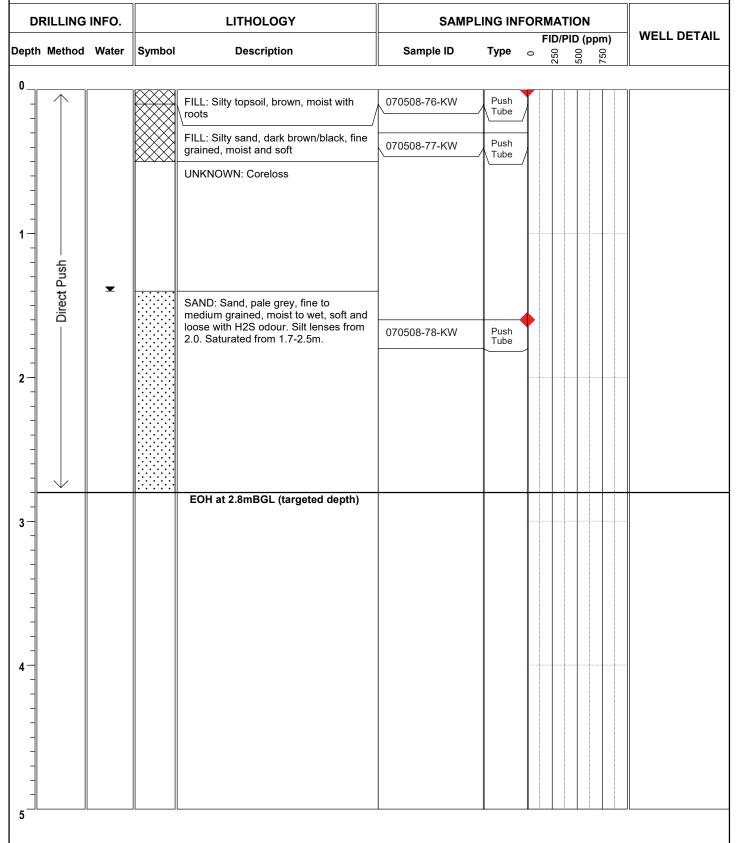
Client:

Elevation: 0.94



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Location: Cooks Cove - Area A **Environmental Log: ABH222**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Location:

Easting: 329606.336

Northing: 6243406.270

Boyd Cooks Cove Client:

Cooks Cove - Area A

Environmental Log:

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ABH223

Elevation: 2.09

DRILLING INFO. LITHOLOGY SAMPLING INFORMATION **WELL DETAIL** FID/PID (ppm) Depth Method Water Symbol Description Sample ID Type 500 FILL: Grass over sandy topsoil, brown, 070508-72-KW Push Tube dry with gravels and rootlets FILL: Sand, fine grained, brown, dry and loose with gravels and ash at 0.5-0.6m. Shells and sandstone gravels, 070508-73-KW Push dense and moist at depth Tube FILL: Silty sand, brown/grey, fine grained, dense, moist, with gravels and possible ash Push 070508-74-KW Tube FILL: Silty sand, dark grey/black, fine grained, dense, moist, silt lenses at 1.9-2.1m Direct Push SAND: Sand, pale grey, fine to medium grained, dense, moist to wet with roots SILTY SAND: Silty sand, dark grey, fine to medium grained, moist to wet at 2.8m. Saturated at 3.7-4.1m 070508-75-KW Tube EOH at 4.1mBGL (targeted depth)

Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

Location:

Easting: 329657.034

Northing: 6243404.105

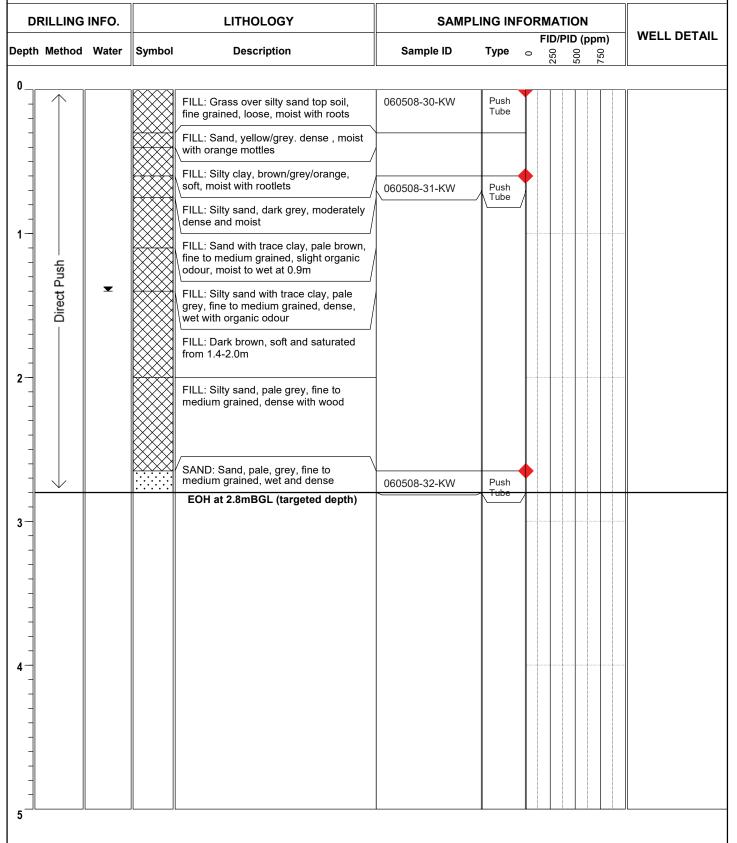


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cooks Cove Client:

Elevation: 1.16

ABH224 Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

Easting: 329694.665

Elevation: 1.32

Boyd Cooks Cove Client:

Northing: 6243404.713

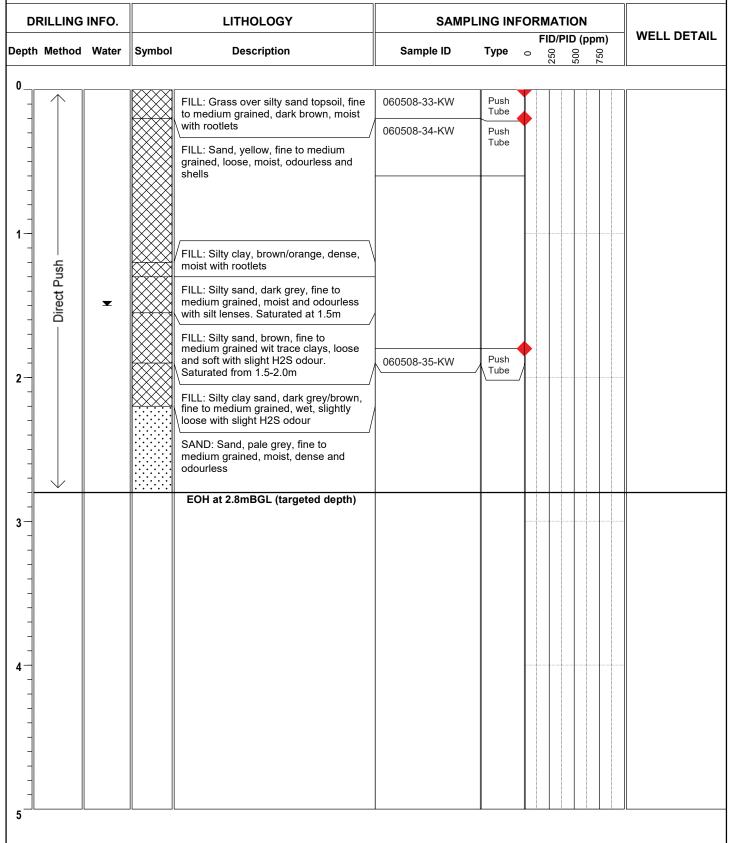
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

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Location: Cooks Cove - Area A

ABH225 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Drill Model:

Hole Diameter (mm): 50

Mac200

Easting: 329755.651

Northing: 6243402.717

Elevation: 1.32

Boyd Cooks Cove Client:

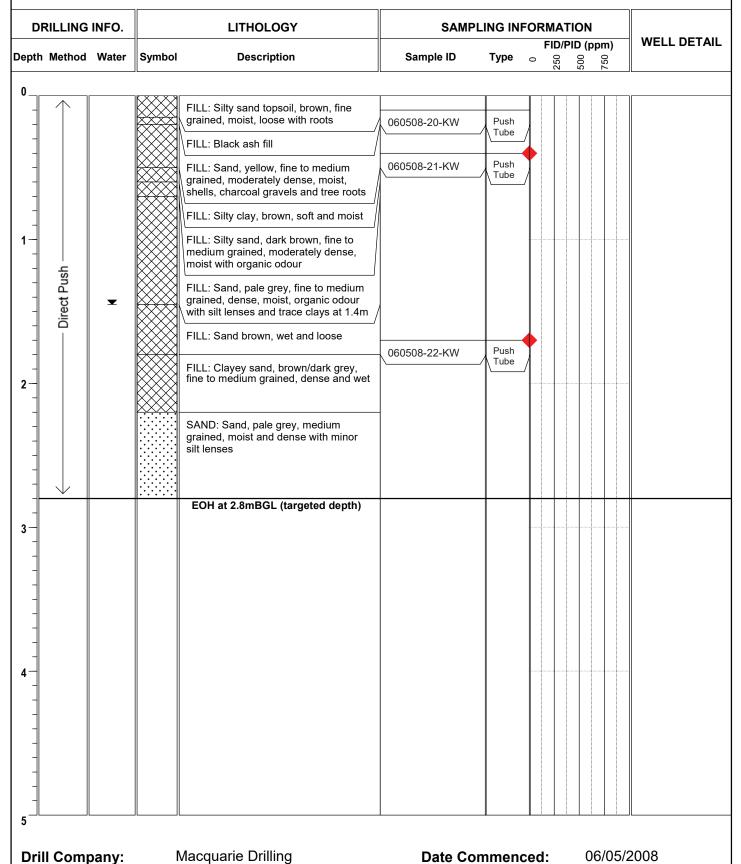


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26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH226 Environmental Log:



Date Completed:

Logged/checked by:

06/05/2008

K.Weir/L.Jenkins

Easting: 329798.506

Project: ESA **Northing:** 6243404.901

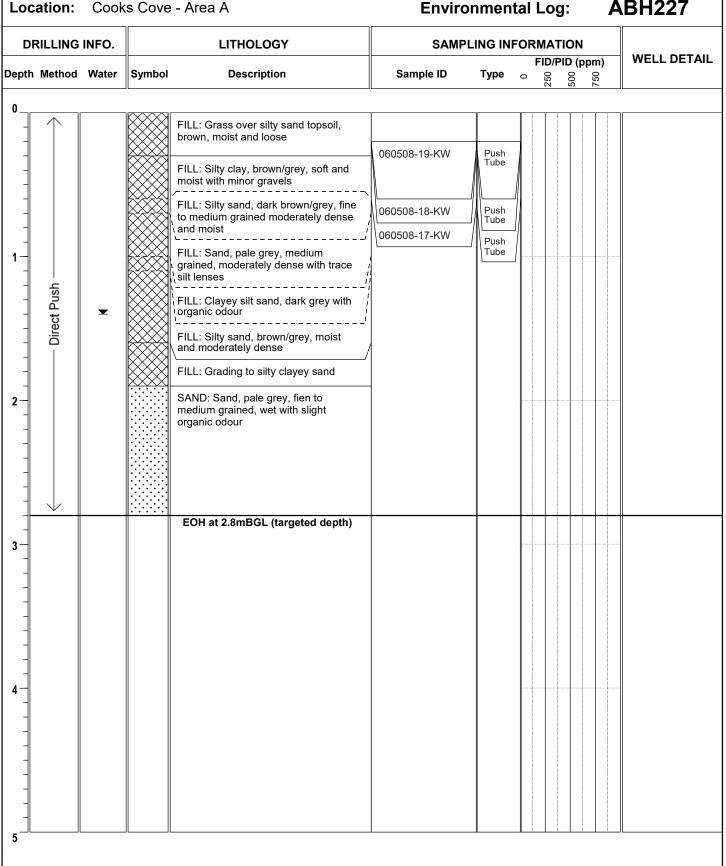
SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Boyd Cooks Cove Client:

Elevation: 1.03

ABH227 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Drill Model:

Hole Diameter (mm): 50

Mac200

Easting: 329849.080

Northing: 6243400.702

Elevation: 1.10

Client: Boyd Cooks Cove

1111**9.** 0240400.7

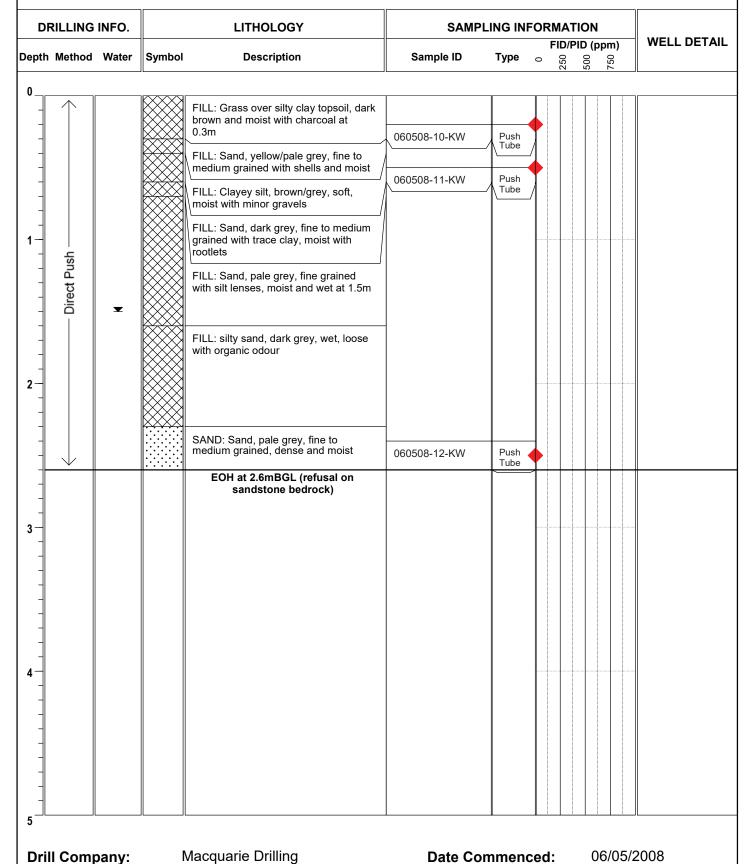


26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A

Environmental Log: ABH228



Date Completed:

Logged/checked by:

06/05/2008

K.Weir/L.Jenkins

Project: ESA

Easting: 329888.140

N 41.1 00.4

Elevation: 0.76

Client: Boyd Cooks Cove

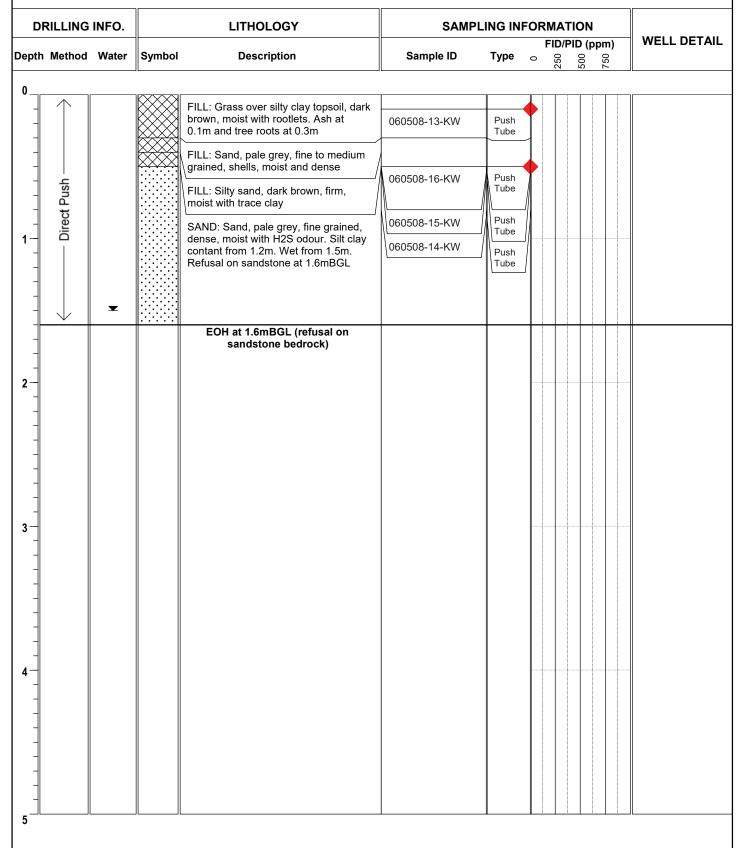
Northing: 6243401.205



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Location: Cooks Cove - Area A

Environmental Log: ABH229



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329918.449

Project: **ESA** Northing: 6243403.763

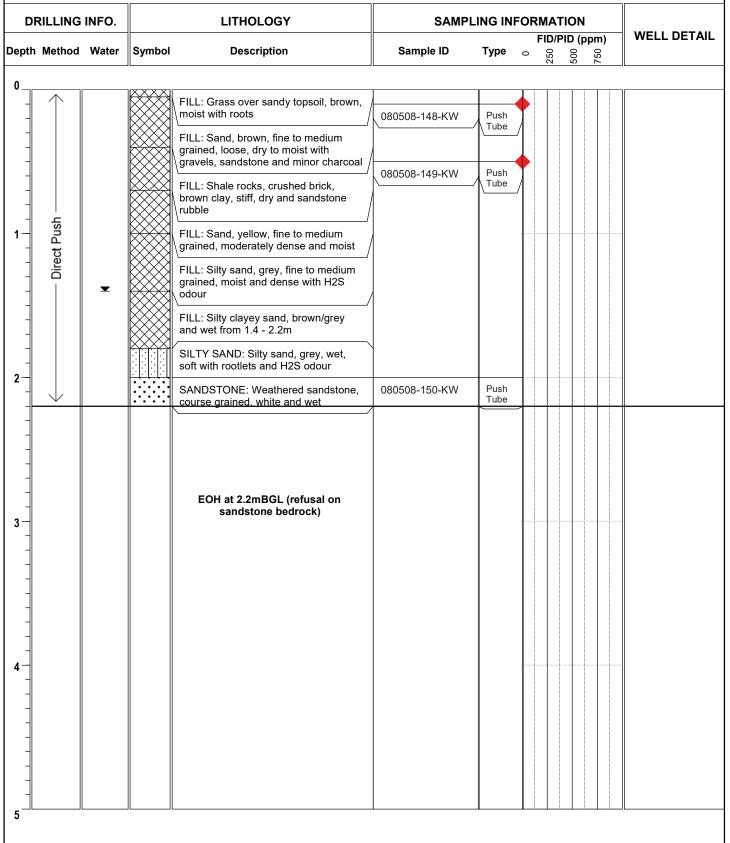
Boyd Cooks Cove Client:

Elevation: 1.23



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Location: Cooks Cove - Area A **Environmental Log: ABH230**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

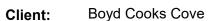
Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329973.047

Elevation: 0.97

Project: ESA Northing: 6243405.760



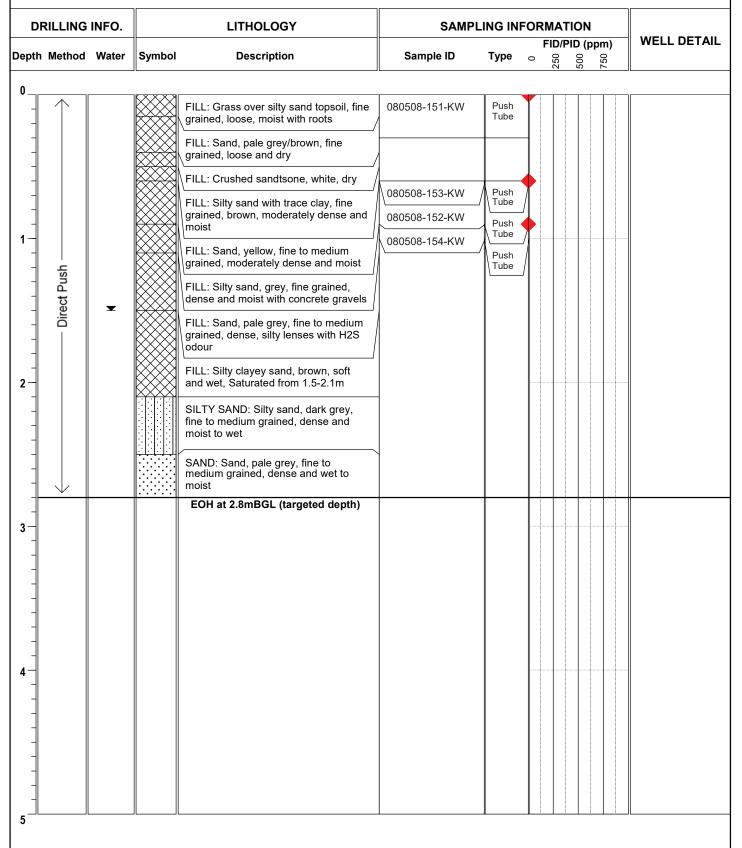
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

SCIENTIS TS

Location: Cooks Cove - Area A

ABH231 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting:

329835.915

CONSULTING

Project: **ESA**

Client:

Northing: 6243574.015

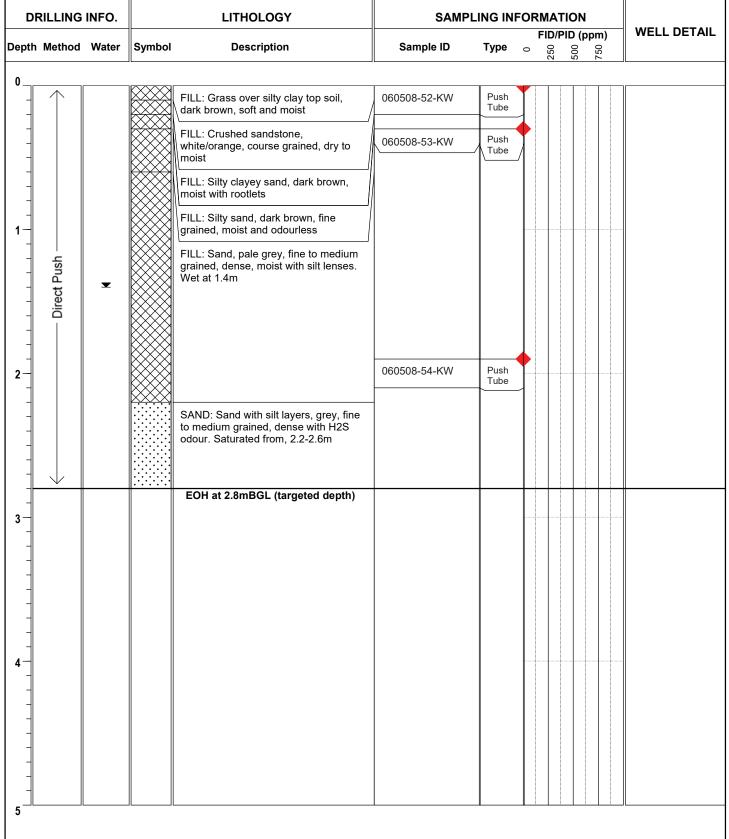
Boyd Cooks Cove Elevation: 1.30

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SCIENTIS TS

Location: Cooks Cove - Area A

ABH232 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Location:

Easting: 329498.372

Northing: 6243360.060

Client: Boyd Cooks Cove

Cooks Cove - Area A

1011111119. 0243300.0

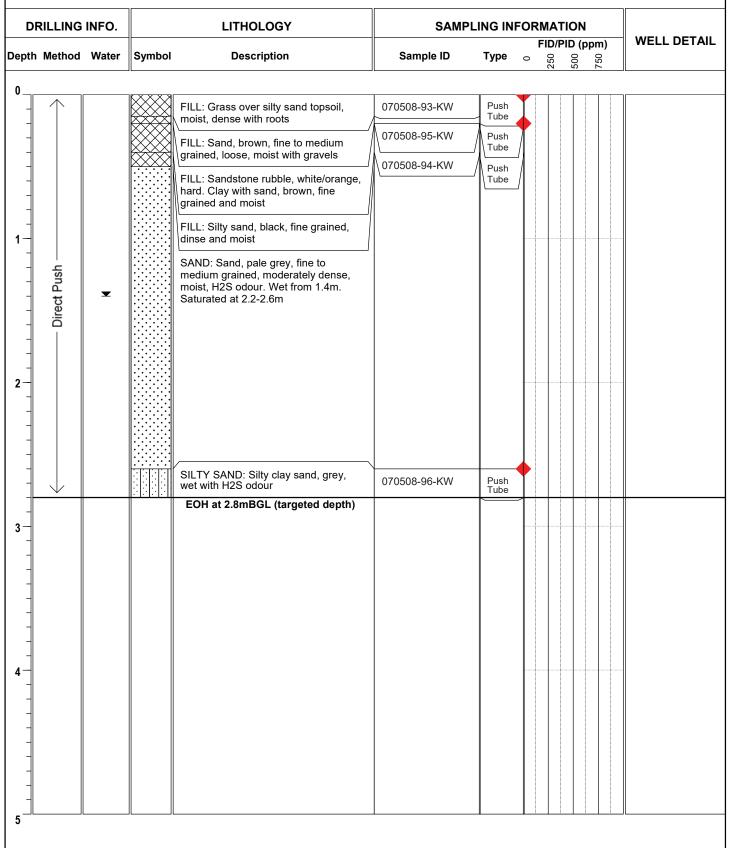
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Elevation: 1.27

Environmental Log: ABH233



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

Easting: 329568.152

Northing: 6243360.562

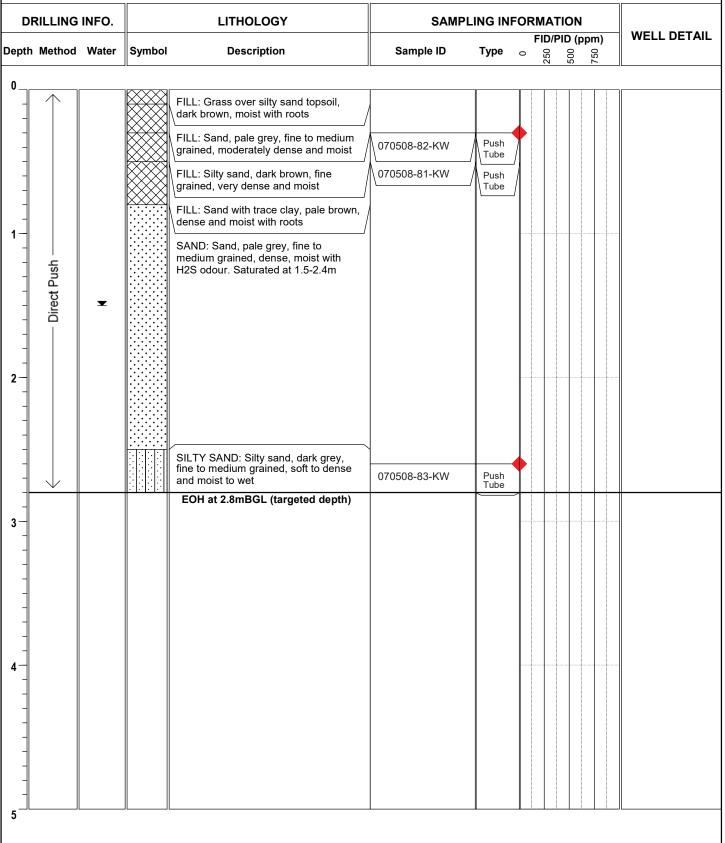
CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cooks Cove Client:

Elevation: 0.85

ABH234 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Location:

Easting: 329611.110

Northing: 6243354.212

Boyd Cooks Cove Client:

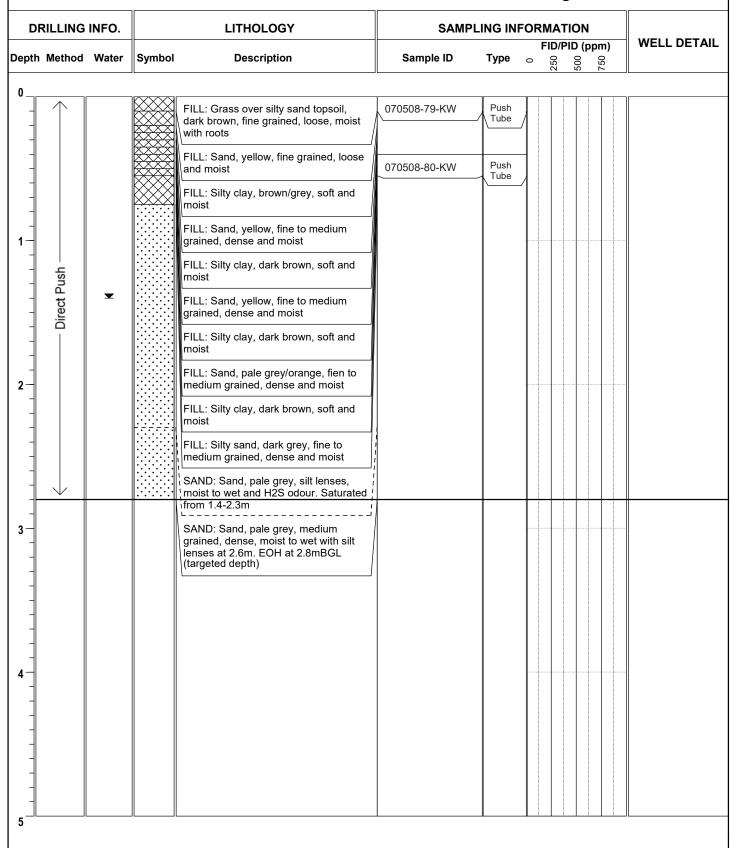
SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Cooks Cove - Area A

Elevation: 1.14

ABH235 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

. CL3030700-

Easting: 329665.268

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Northing: 6243343.476

CONSULTING EARTH SCIENTISTS

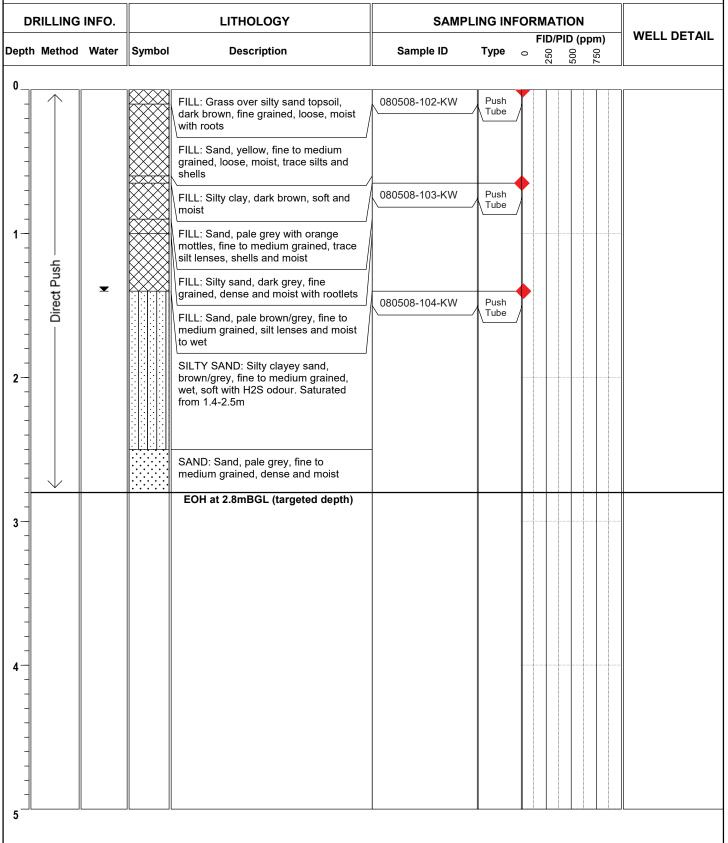
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Project:

Client:

Boyd Cooks Cove Elevation: 1.25

Location: Cooks Cove - Area A Environmental Log: ABH236



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329703.000

Project:

ESA

Northing: 6243361.425

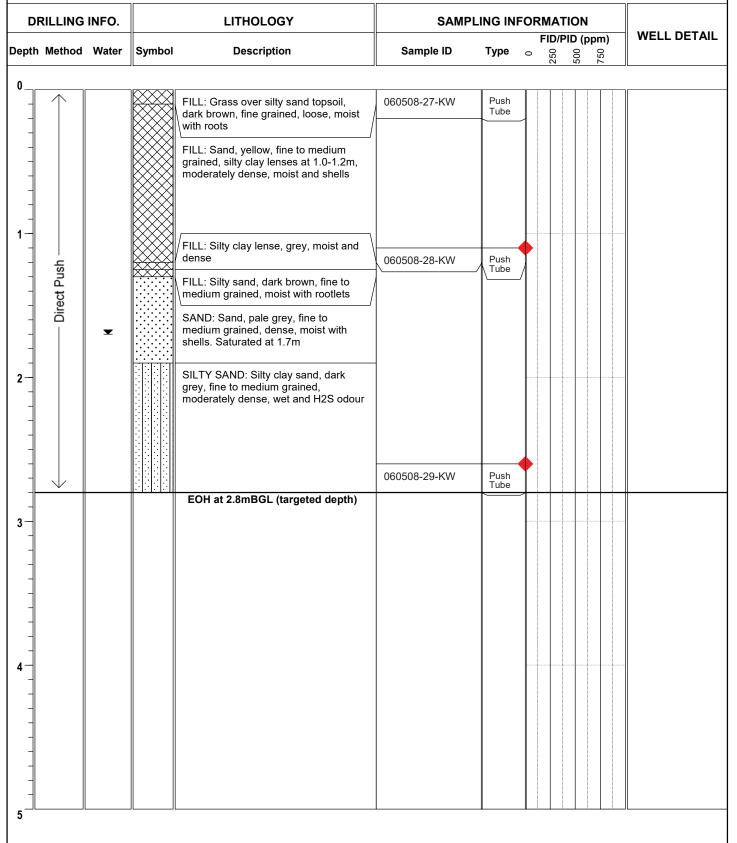
Boyd Cooks Cove Client:

Elevation: 1.40



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH237**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329743.172

Project: ESA Northing: 6243375.462

Boyd Cooks Cove Client:

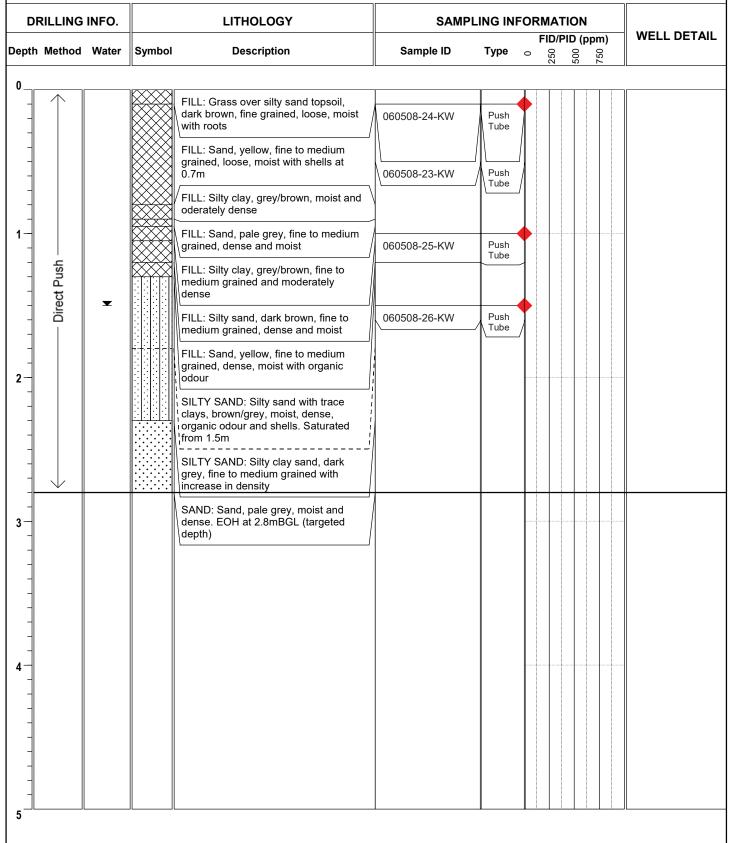
Elevation: 1.22



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Location: Cooks Cove - Area A

ABH238 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 06/05/2008

Date Completed: 06/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329791.277

Project: ESA **Northing:** 6243361.707



SCIENTIS TS

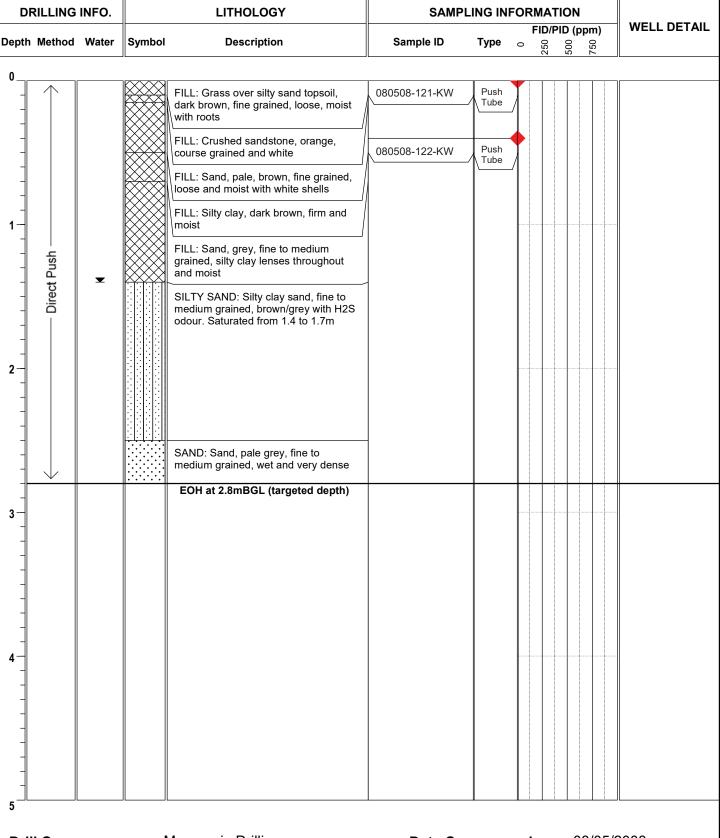
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Boyd Cooks Cove Client:

Elevation: 1.04

ABH239 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329850.039

Project: ESA Northing: 6243371.561

Drill Model:

Hole Diameter (mm): 50

Mac200

Elevation: 1.04

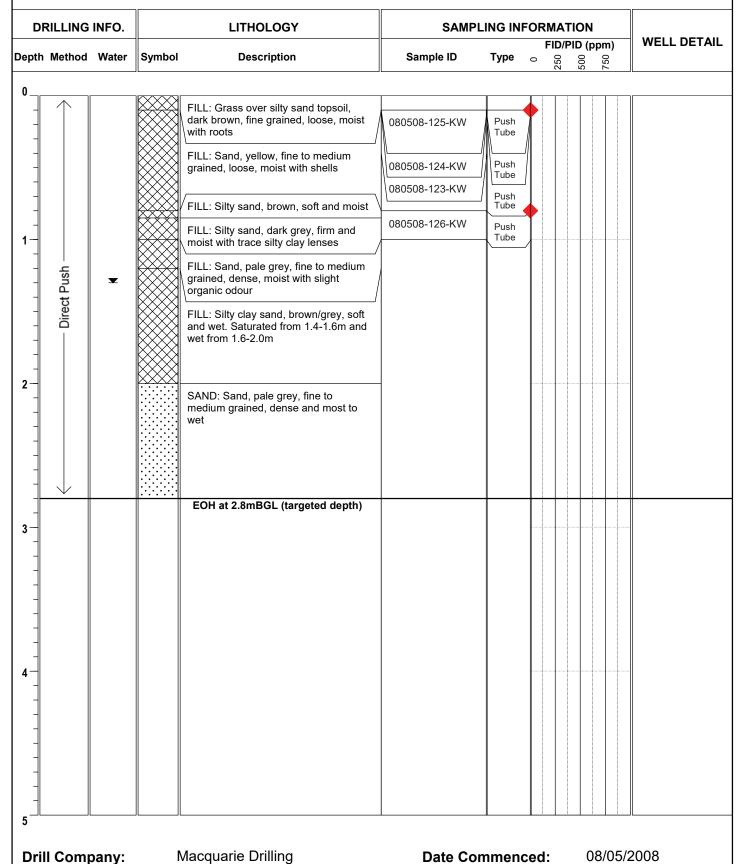
Boyd Cooks Cove Client:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH240 Environmental Log:



Date Completed:

Logged/checked by:

08/05/2008

K.Weir/L.Jenkins

C Easti

Easting: 329885.967

Northing: 6243340.325

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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Client:

Drill Model:

Hole Diameter (mm): 50

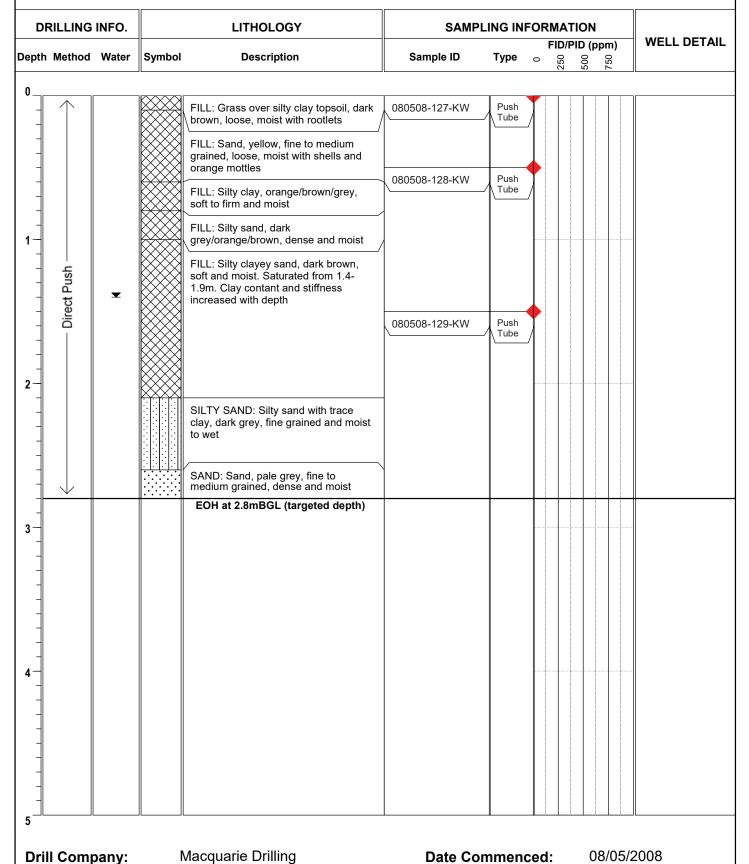
Mac200

Boyd Cooks Cove

Elevation: 0.79

Location: Cooks Cove - Area A

Environmental Log: ABH241



Date Completed:

Logged/checked by:

08/05/2008

K.Weir/L.Jenkins

Easting: 329921.058

Project:

Northing: 6243367.814

ESA

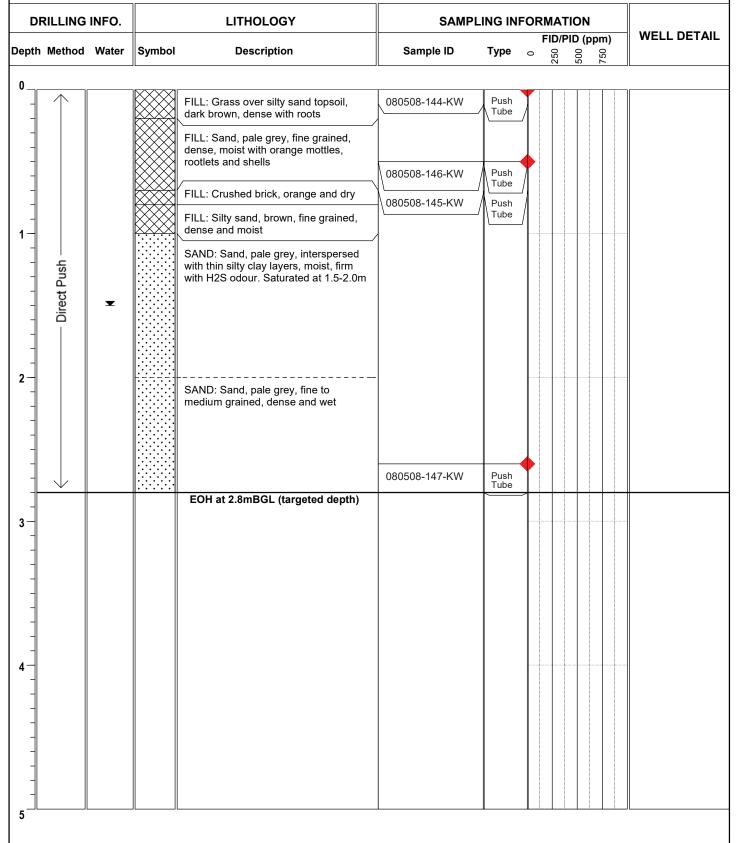
Boyd Cooks Cove Client:

Elevation: 0.68



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH242**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329975.701

Project: ESA

Client:

Northing: 6243350.352



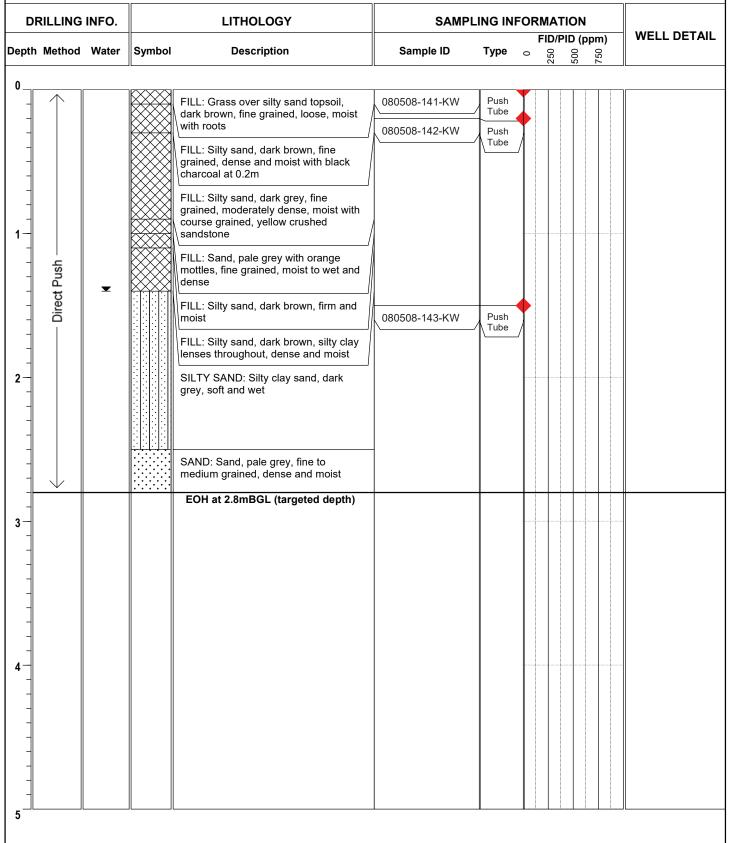


26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A

ABH243 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329477.016

Project: ESA

Client:

Northing: 6243318.888



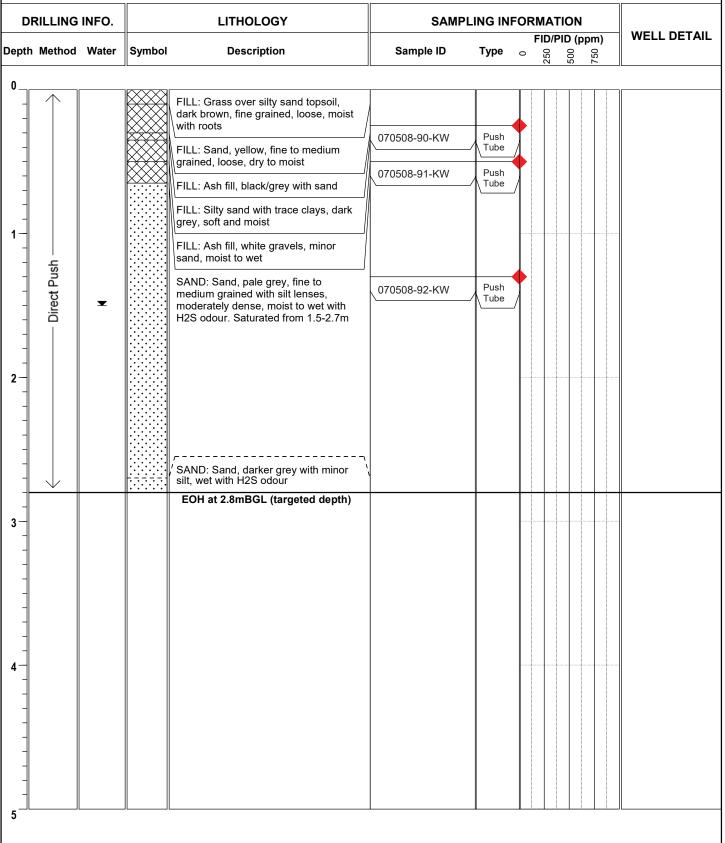
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Boyd Cooks Cove

Elevation: 1.37

Environmental Log: ABH244



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: **ESA**

Location:

Easting: 329519.186

Northing: 6243321.583

Client:

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

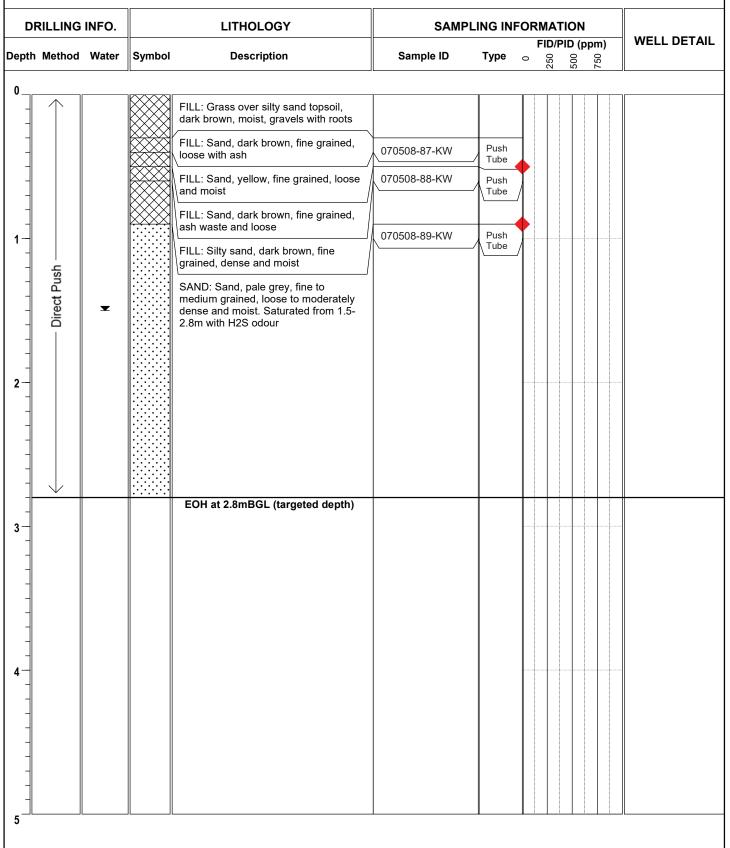
SCIENTIS TS

Boyd Cooks Cove

Cooks Cove - Area A

Elevation: 1.19

ABH245 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting:

329557.512

CONSULTING EARTH SCIENTISTS

Project: ESA Northing: 6243322.832

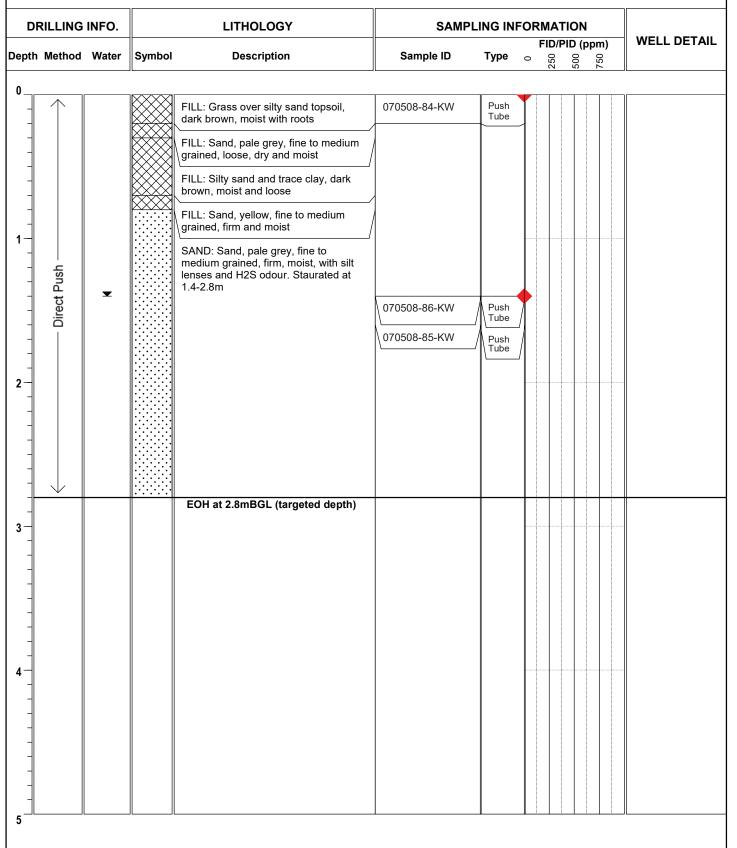
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cooks Cove

Location:

Elevation: 0.94

Cooks Cove - Area A Environmental Log: ABH246



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329615.280

Project: ESA Northing: 6243323.531

Boyd Cooks Cove Client:

Elevation: 1.60

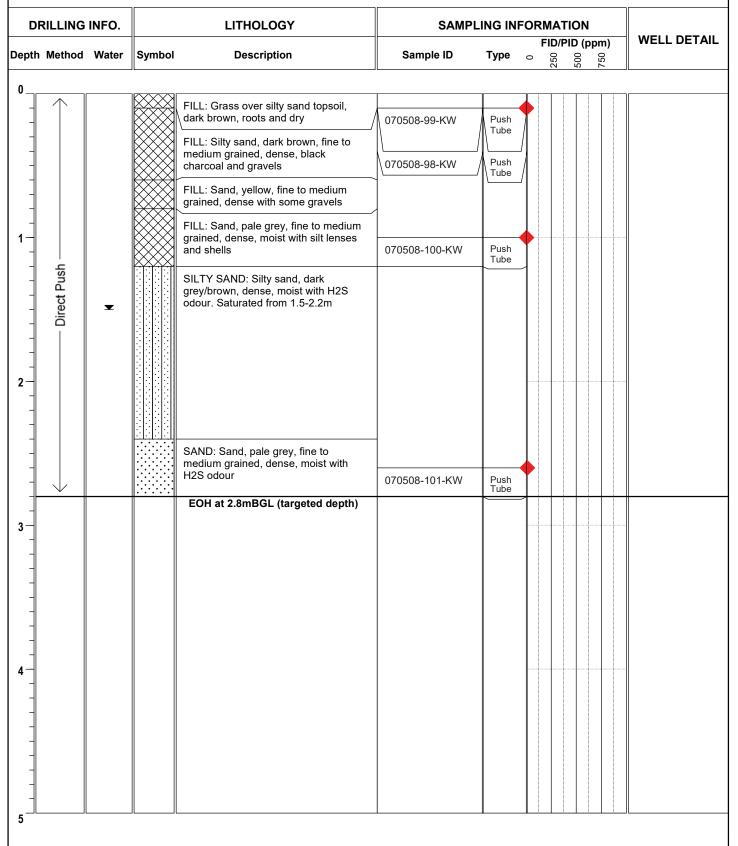


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A

ABH247 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 07/05/2008

Date Completed: 07/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Easting:

329653.717

CONSULTING

Northing: 6243309.430

SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121

Boyd Cooks Cove Client:

Project:

Drill Model:

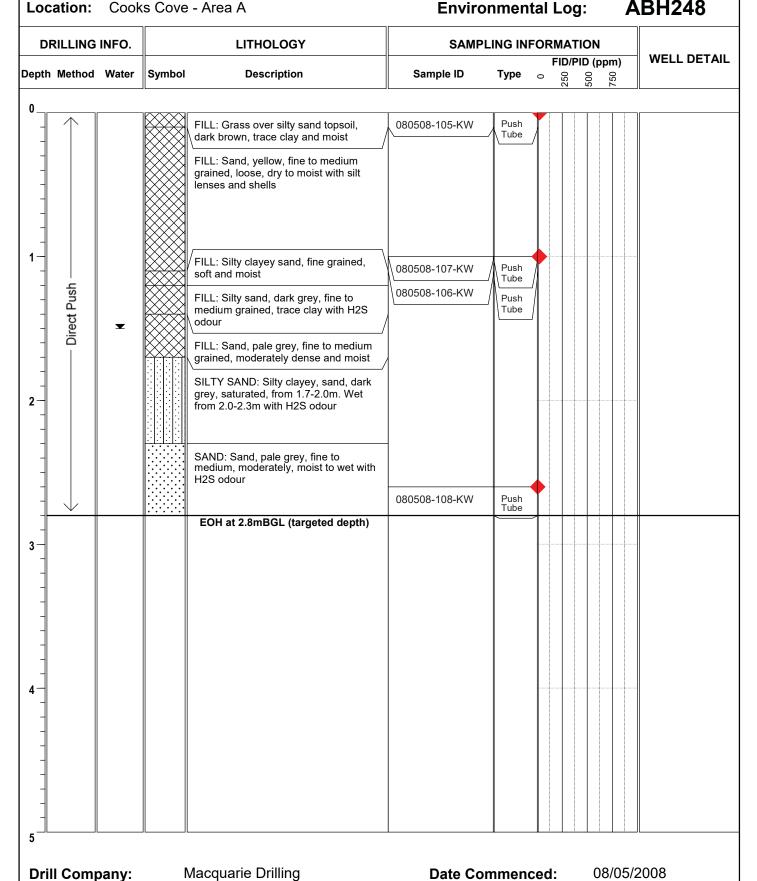
Hole Diameter (mm): 50

Mac200

Elevation: 1.26

Location: Cooks Cove - Area A 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH248



Date Completed:

Logged/checked by:

08/05/2008

K.Weir/L.Jenkins

Easting: 329700.709

Project: ESA

Northing: 6243313.382

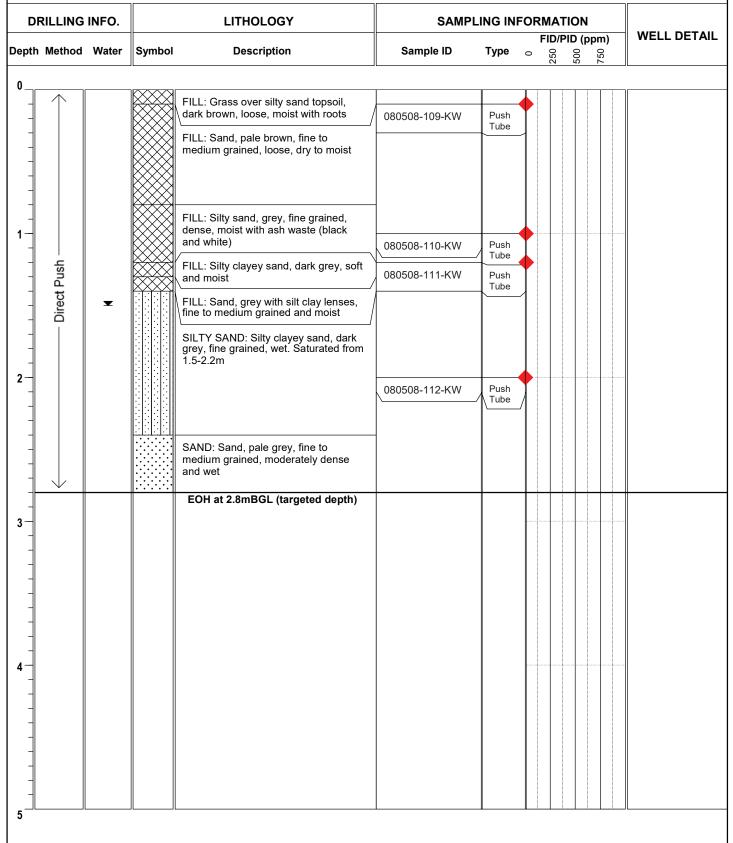
Boyd Cooks Cove Client: Elevation: 1.25



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH249 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Client:

Boyd Cooks Cove

Easting:

Elevation: 1.28

329744.618

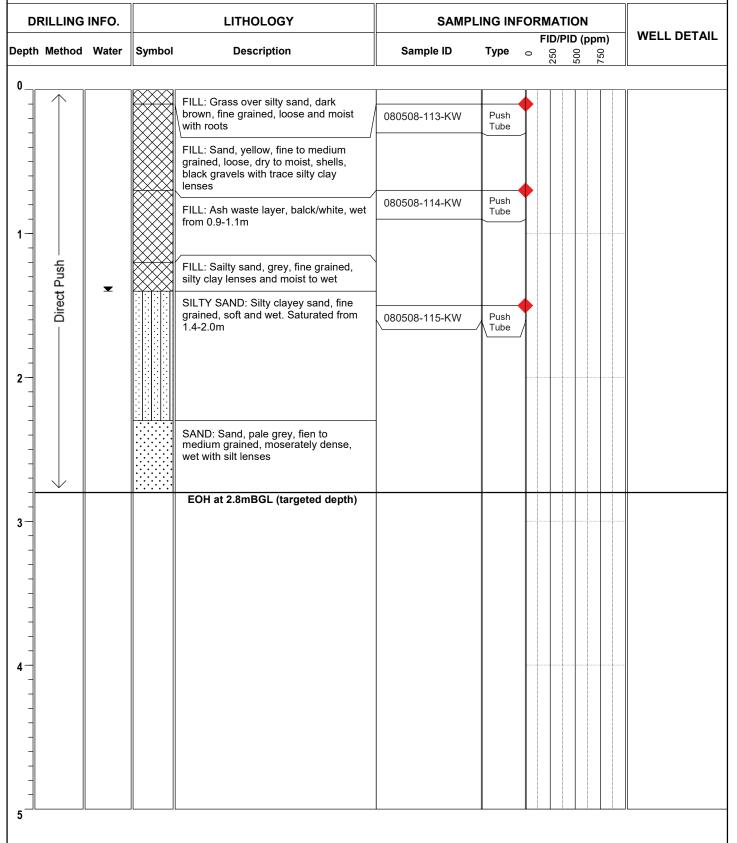
CONSULTING SCIENTIS TS

Project: Northing: 6243326.767 **ESA**

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH250 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329785.264

Project: ESA

Drill Model:

Hole Diameter (mm): 50

Mac200

Northing: 6243325.035

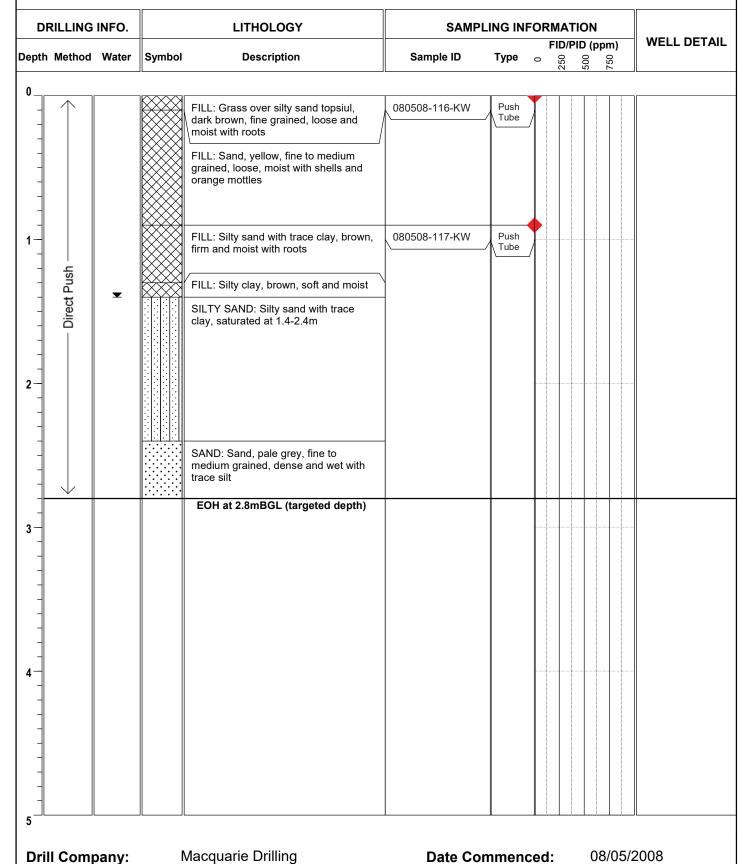
Boyd Cooks Cove Client:

Elevation: 1.28



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH251**



Date Completed:

Logged/checked by:

08/05/2008

K.Weir/L.Jenkins

Project:

Drill Model:

Hole Diameter (mm): 50

Mac200

: CESU5U7U6-BCC

ESA

Easting: 329839.757

Northing: 6243324.867

Client: Boyd Cooks Cove

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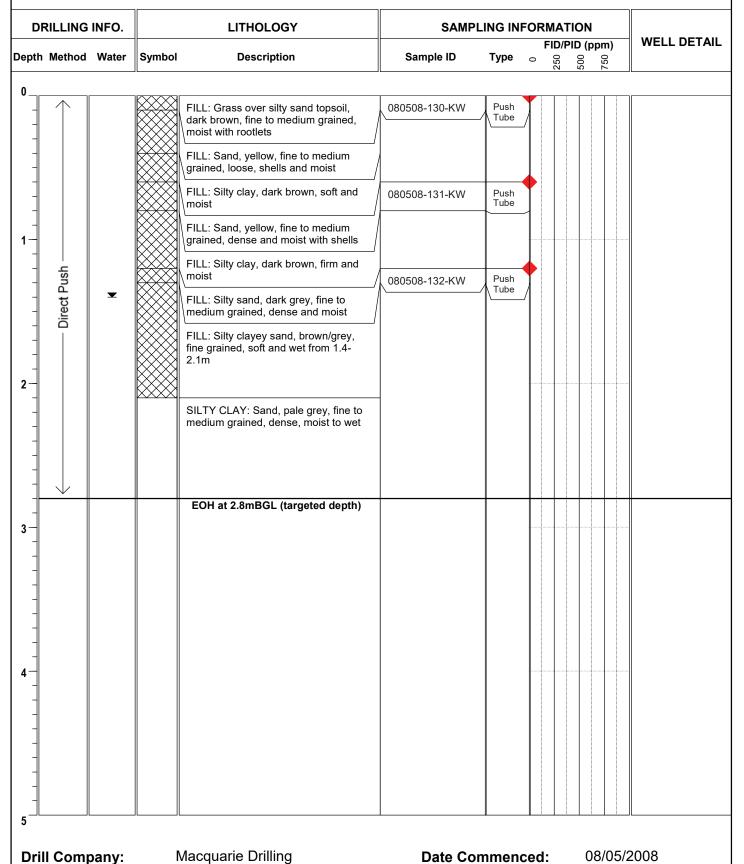
Elevation: 0.93



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: ABH252



Date Completed:

Logged/checked by:

08/05/2008

K.Weir/L.Jenkins

Project: ESA Easting: 329882.049

Elevation: 0.83

Boyd Cooks Cove Client:

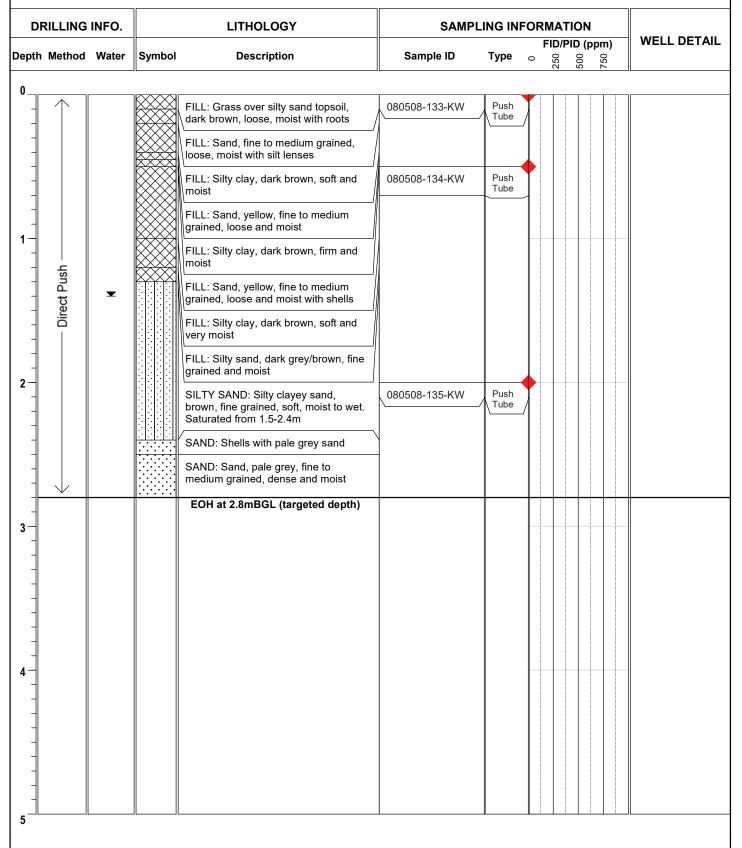
Northing: 6243319.073

SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A

ABH253 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329933.287

Project: ESA

Northing: 6243310.216

Boyd Cooks Cove Client:

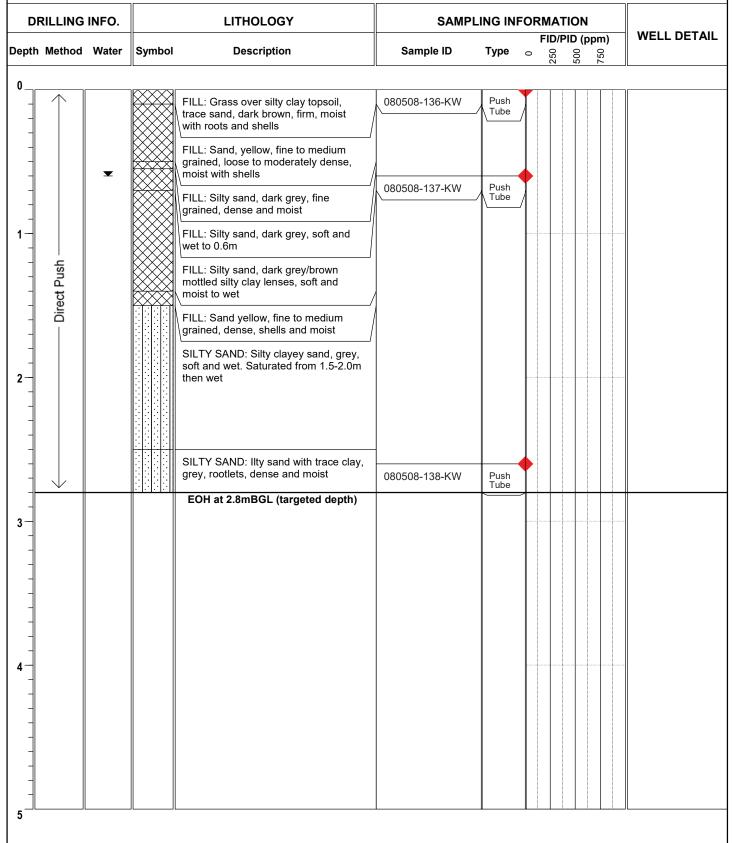
Elevation: 0.82



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH254 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA Easting: 329978.015

Northing: 6243308.488

Boyd Cooks Cove Client:

Elevation: 0.77

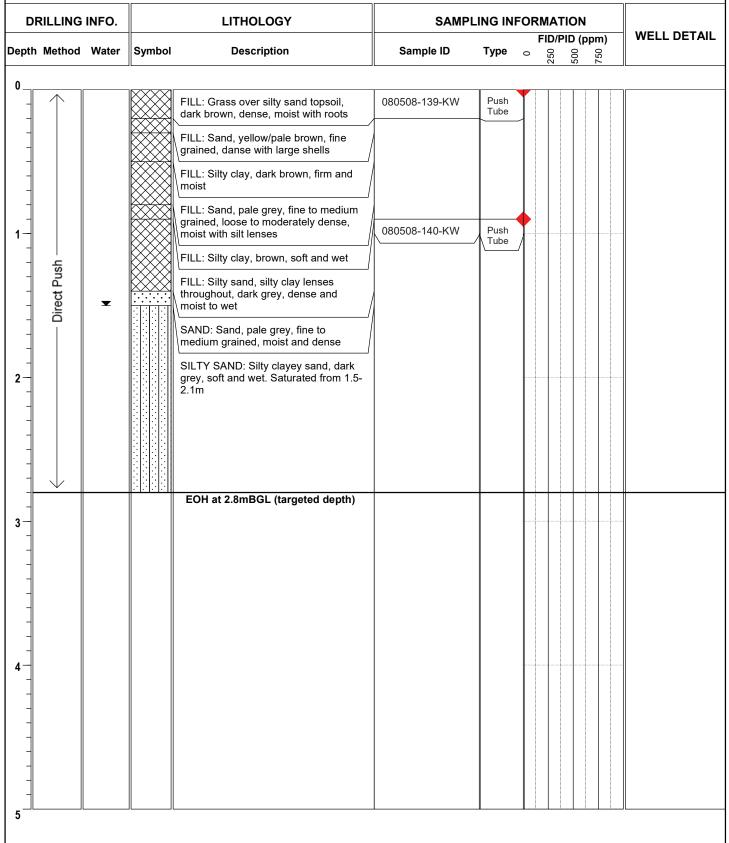


26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A

ABH255 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329467.368

Elevation: 1.04

Project: **ESA**

Drill Model:

Hole Diameter (mm): 50

Mac200

Northing: 6243267.568

Boyd Cooks Cove Client:

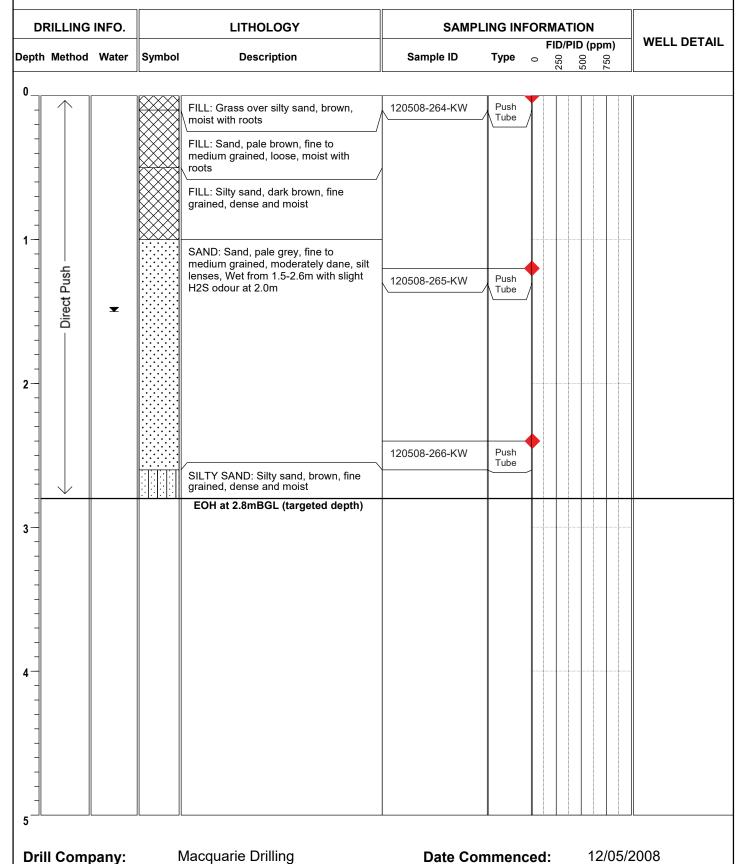


CONSULTING

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH256 Environmental Log:



Date Completed:

Logged/checked by:

12/05/2008

K.Weir/L.Jenkins

Easting: 329513.168

Project: **ESA** Northing: 6243272.842

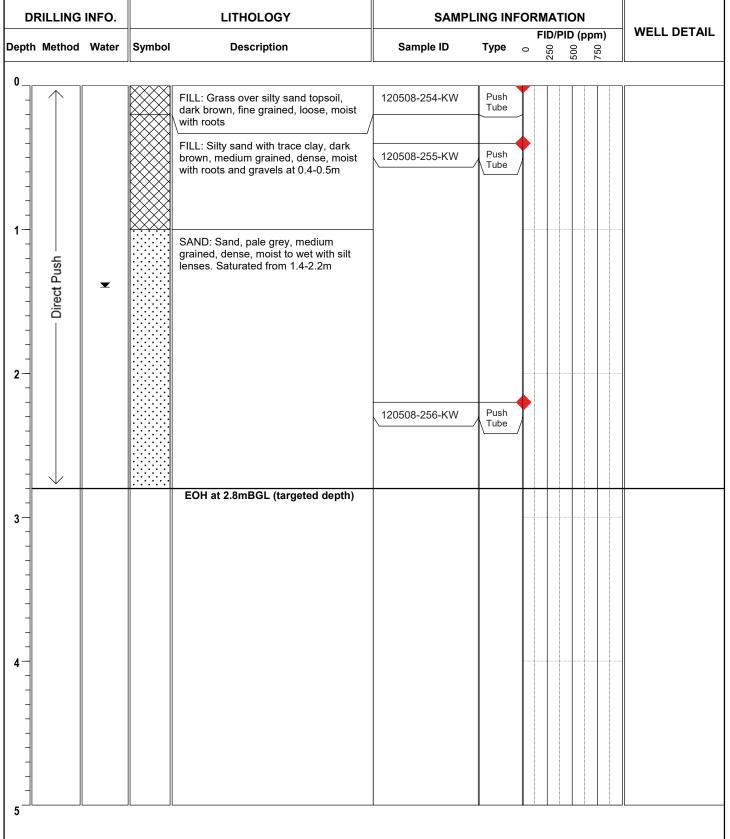
Boyd Cooks Cove Client:

Elevation: 1.65



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH257**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

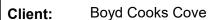
Logged/checked by: K.Weir/L.Jenkins

Easting: 329554.256

Project:

ESA

Northing: 6243257.574



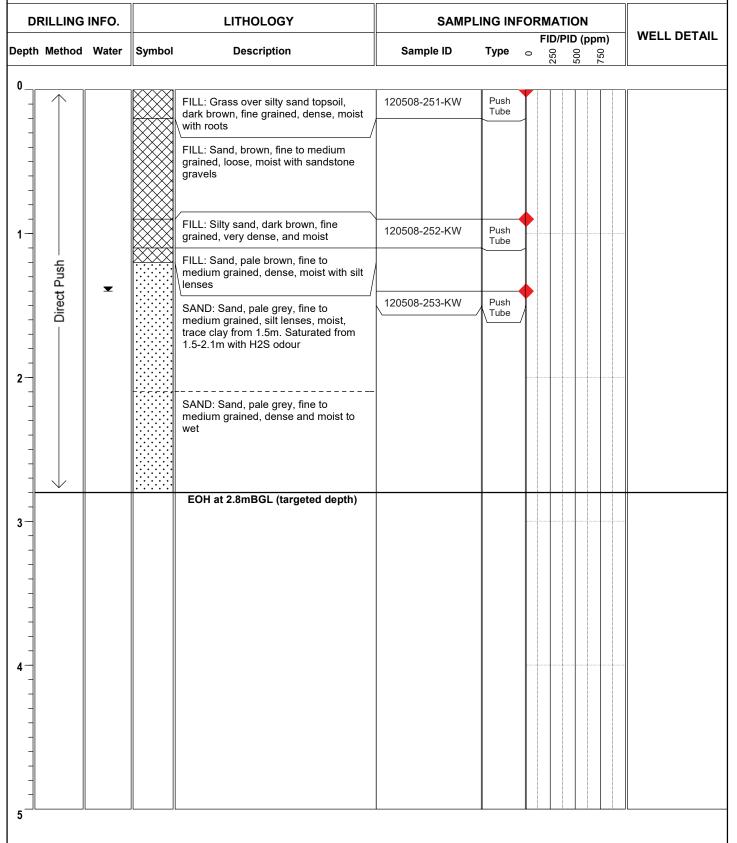
Elevation: 1.21



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH258 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329604.740

Project: **ESA**

Drill Model:

Hole Diameter (mm): 50

Mac200

Northing: 6243280.712

Elevation: 1.21

Boyd Cooks Cove Client:

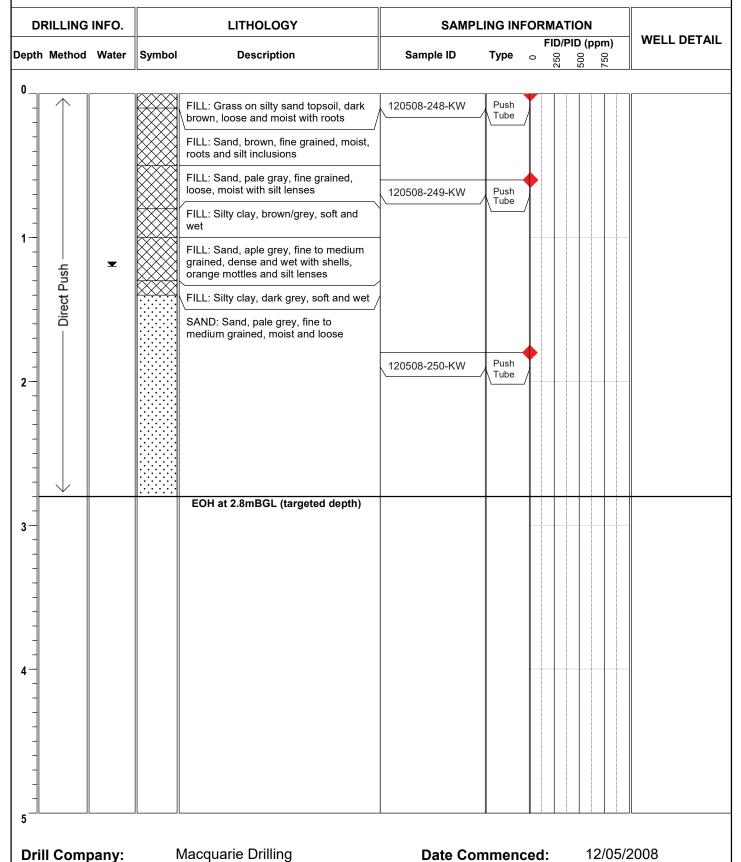
SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121

CONSULTING

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH259 Environmental Log:



Date Completed:

Logged/checked by:

12/05/2008

K.Weir/L.Jenkins

Project: ESA Easting: 329656.650

Northing: 6243268.514

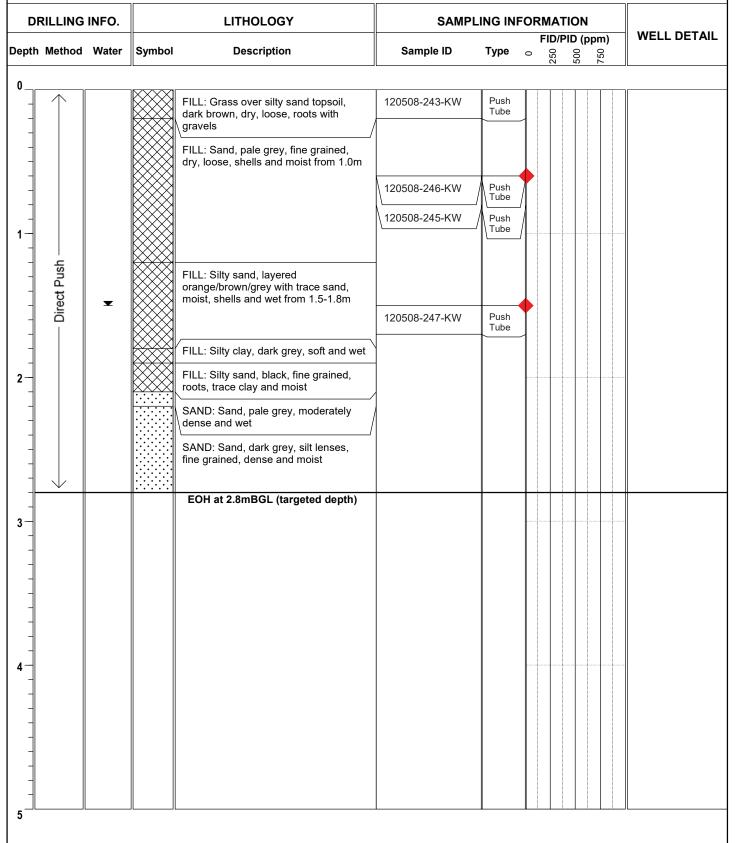
SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121

CONSULTING

Boyd Cooks Cove Elevation: 1.74 Client:

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH260 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329700.965

Project: ESA

Drill Model:

Hole Diameter (mm): 50

Mac200

Northing: 6243271.449

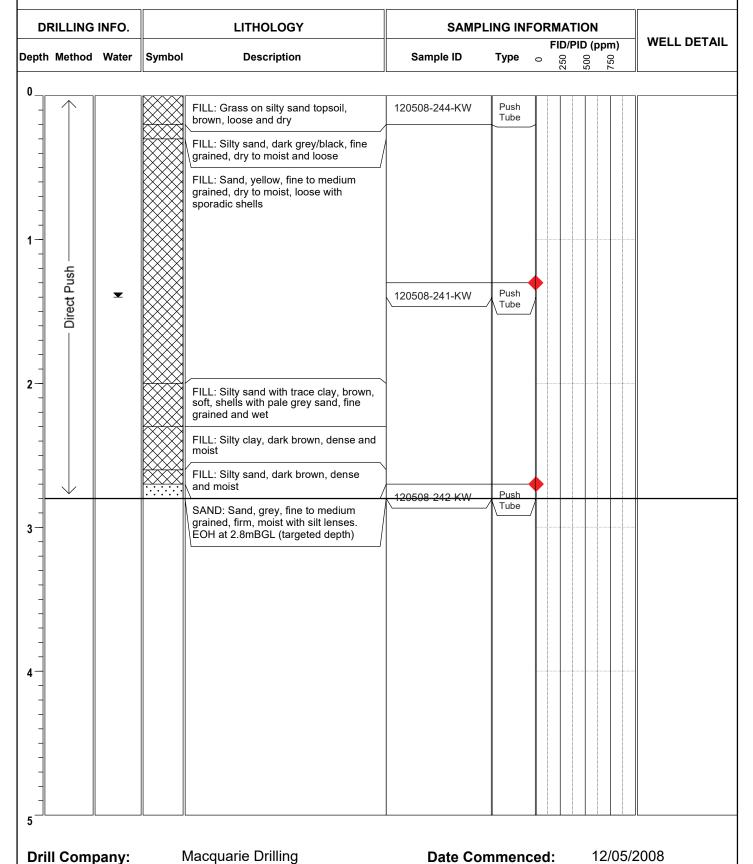


Elevation: 3.04



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH261**



Date Completed:

Logged/checked by:

12/05/2008

K.Weir/L.Jenkins

Project: **ESA**

Drill Model:

Hole Diameter (mm): 50

Mac200

Easting: 329744.916

Northing: 6243270.357

Elevation: 1.53

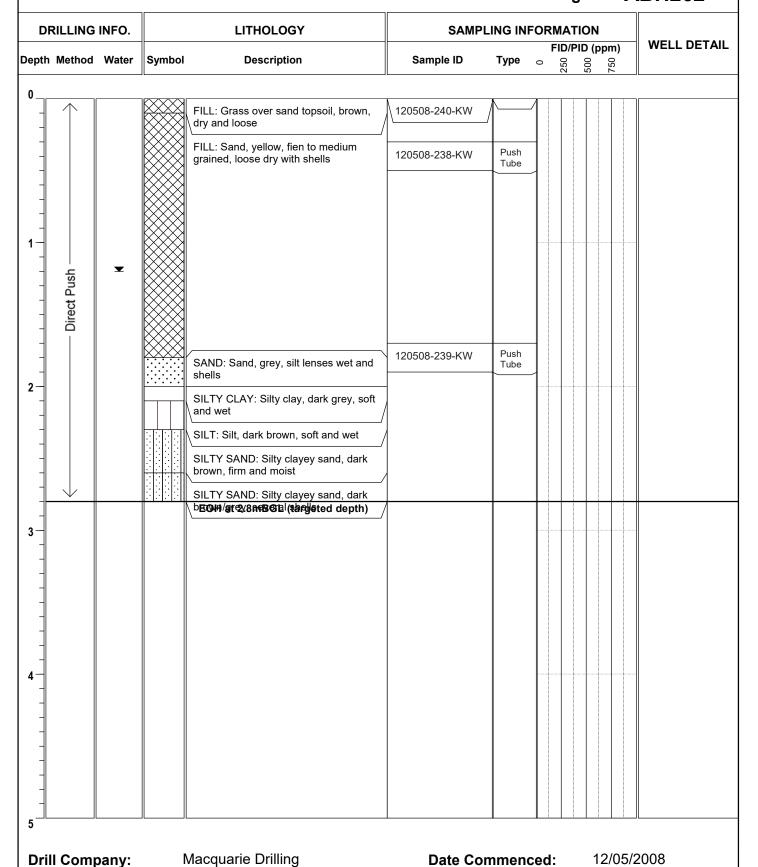
Boyd Cooks Cove Client:



CONSULTING

Location: Cooks Cove - Area A

ABH262 Environmental Log:



Date Completed:

Logged/checked by:

12/05/2008

K.Weir/L.Jenkins

050706-BCC

Easting:

329790.581

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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Client:

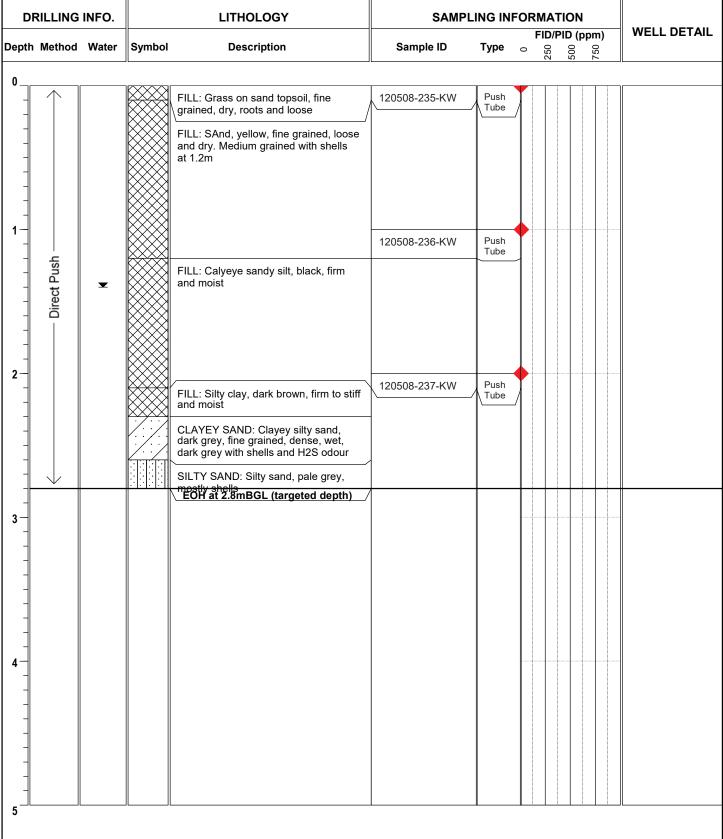
Northing: 6243269.523

Elevation: 0.56

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH263



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329834.351

Elevation: 1.15

Project: **ESA** Northing: 6243275.328

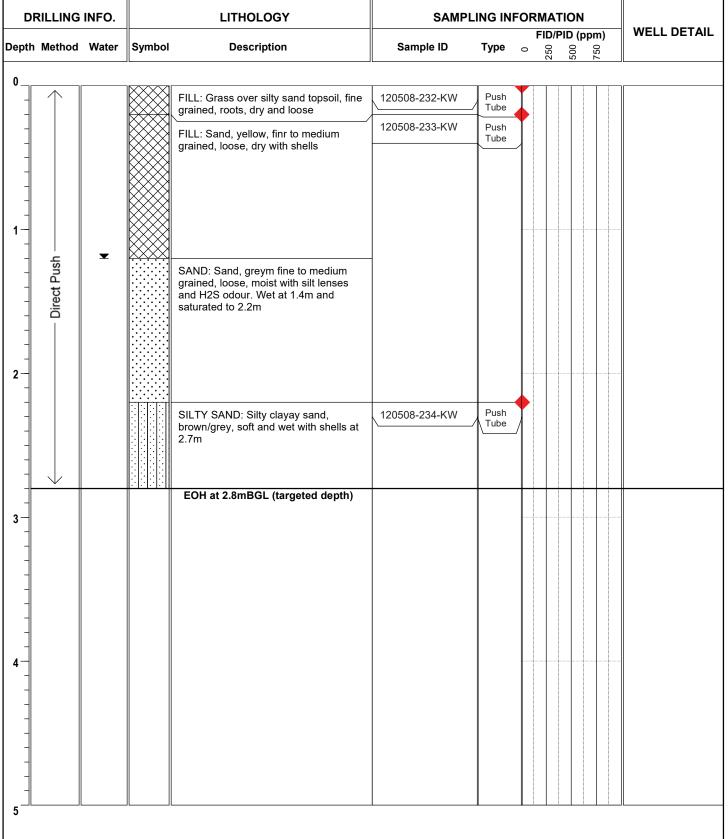


CONSULTING

Boyd Cooks Cove Client:

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH264**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329879.674

Project: **ESA** Northing: 6243269.251

Client:

Drill Model:

Hole Diameter (mm): 50

Mac200

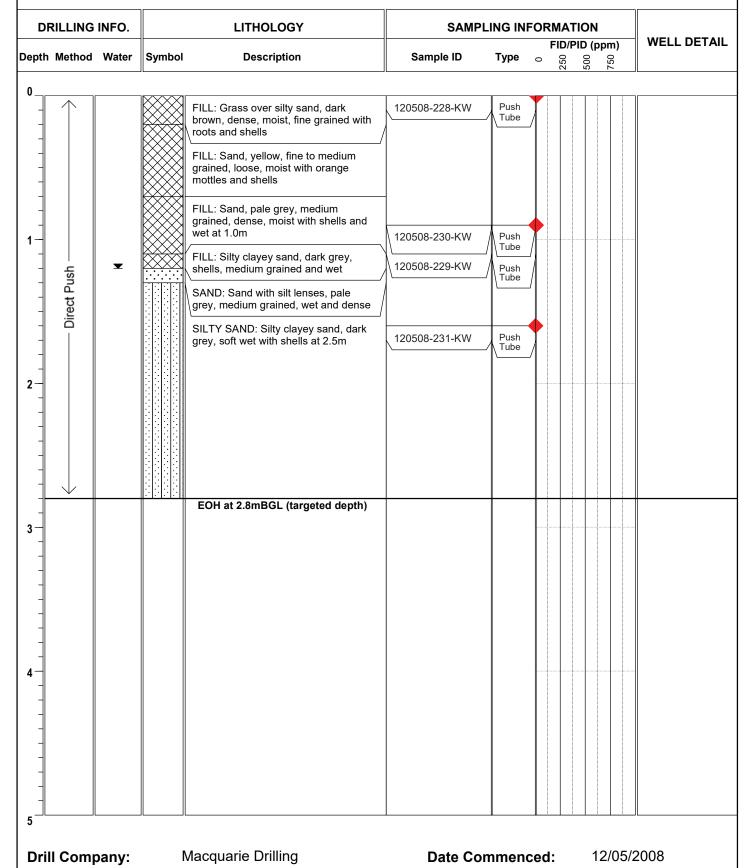
Elevation: 0.98



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH265 Environmental Log:



Date Completed:

Logged/checked by:

12/05/2008

K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329923.654

Project: ESA Northing: 6243270.129

Client:

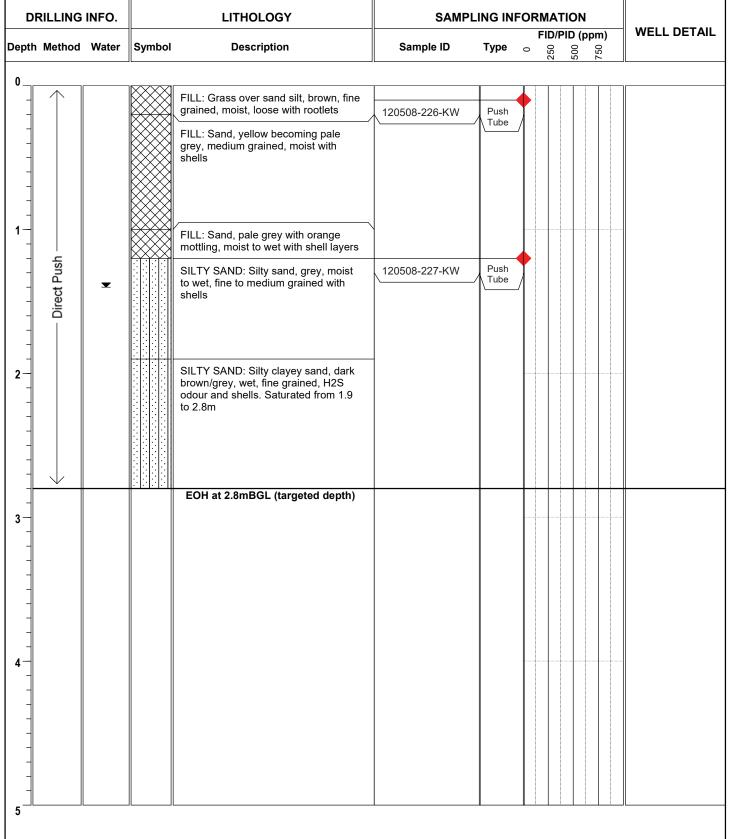
Elevation: 0.89



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH266 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329967.925

Project: ESA

Northing: 6243267.861

•

Client: Boyd Cooks Cove

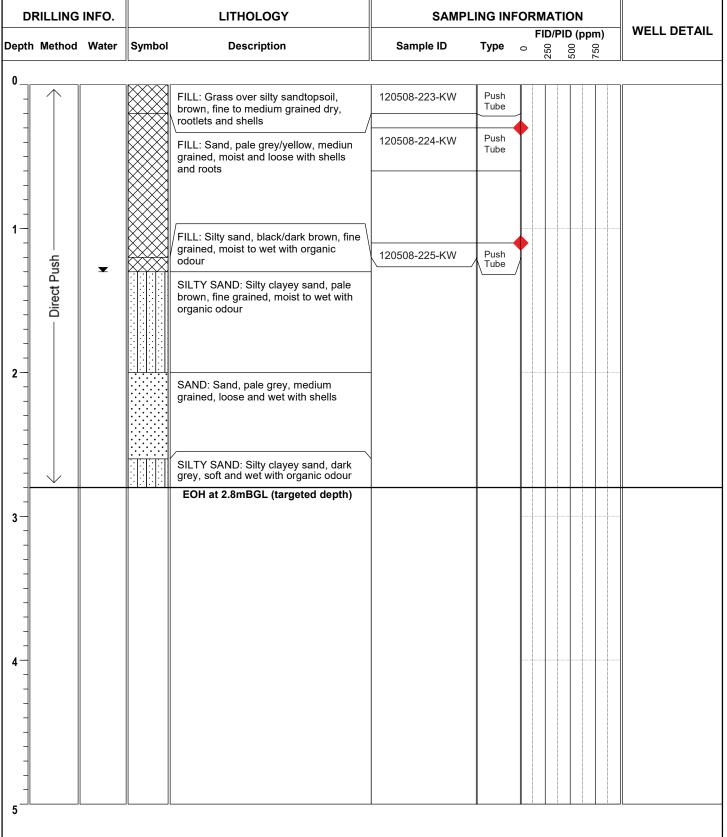
Elevation: 0.84



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: ABH267



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting:

329593.088

Project: ES/

Client:

Northing: 6243240.023

Elevation: 1.23

ESA **Northing:** 62



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH268

Location: Cooks Cove - Area A Environmental Log:

DRILLING INFO. LITHOLOGY SAMPLING INFORMATION **WELL DETAIL** FID/PID (ppm) Depth Method Water Symbol Description Sample ID Type FILL: Grass over silty sand topsoil, 120508-275-KW Push dark brown, firm and moist with roots Tube FILL: Silty sand, brown, fine grained, moist and loose Push FILL: Silty sand with trace clay, 120508-273-KW Tube brown/grey, fine grained, moist, gravels and shells FILL: Sandstone, orange/grey, hard and moist FILL: Clay, orange/brown/grey/red Direct Push mottles, stiff with roots SILTY SAND: Silty clayey sand, dark grey, fine grained, firm, moist to wet Push 120508-274-KW Tube SAND: Sand, pale grey, fine to medium grained, moderately dense and moist EOH at 2.8mBGL (targeted depth)

Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329604.835

Project: ESA

Client:

Northing: 6243226.073

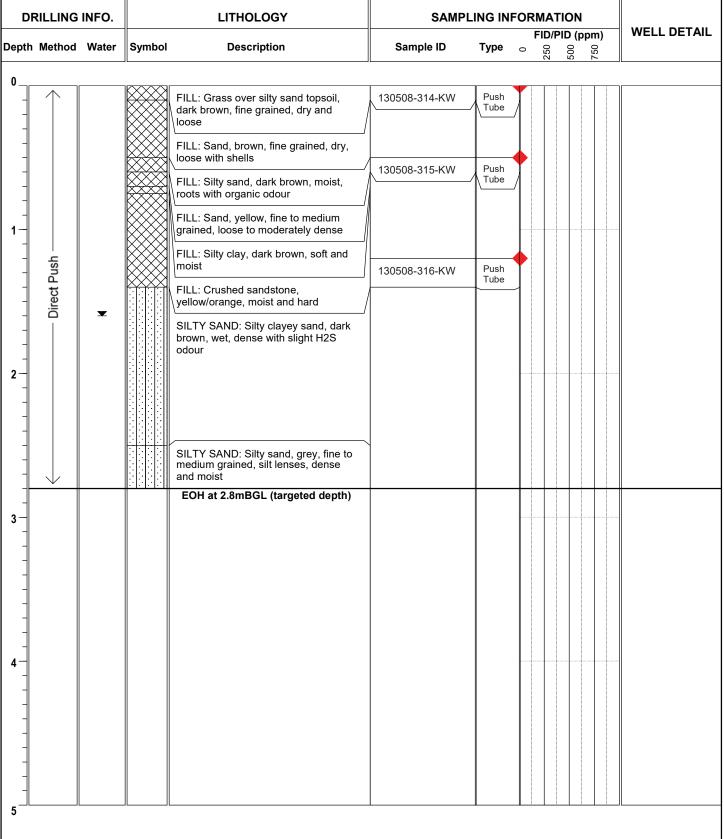
Elevation: 1.78



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH269 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329651.860

Project: ESA Northing: 6243217.683

Drill Model:

Hole Diameter (mm): 50

Mac200

Boyd Cooks Cove Client:

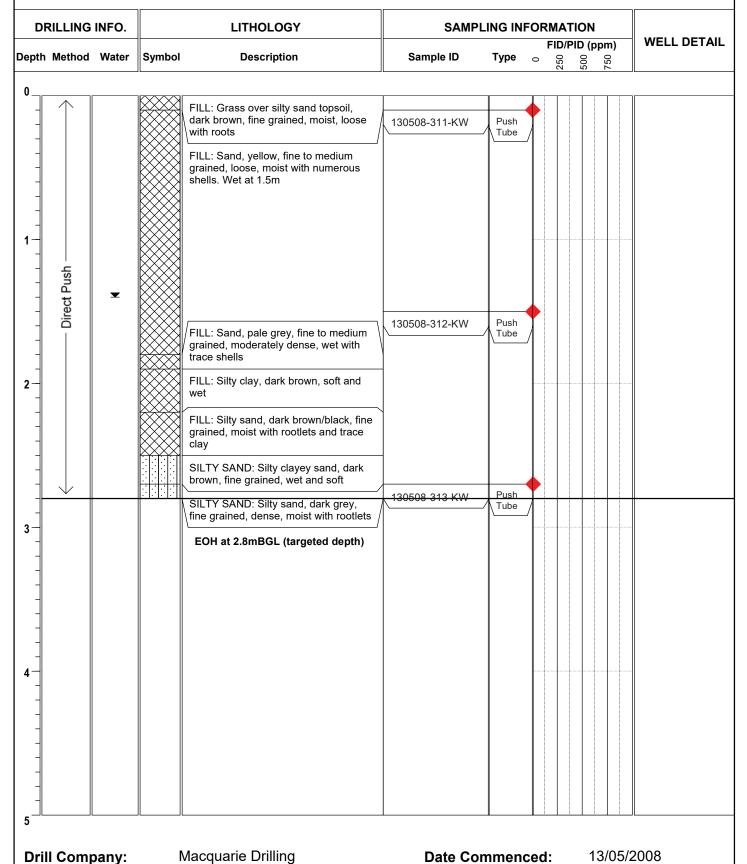
Elevation: 1.77



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH270 Environmental Log:



Date Completed:

Logged/checked by:

13/05/2008

K.Weir/L.Jenkins

ESA

Easting:

329701.581

Northing: 6243235.471



CONSULTING SCIENTIS TS

Client:

Drill Model:

Hole Diameter (mm): 50

Mac200

Project:

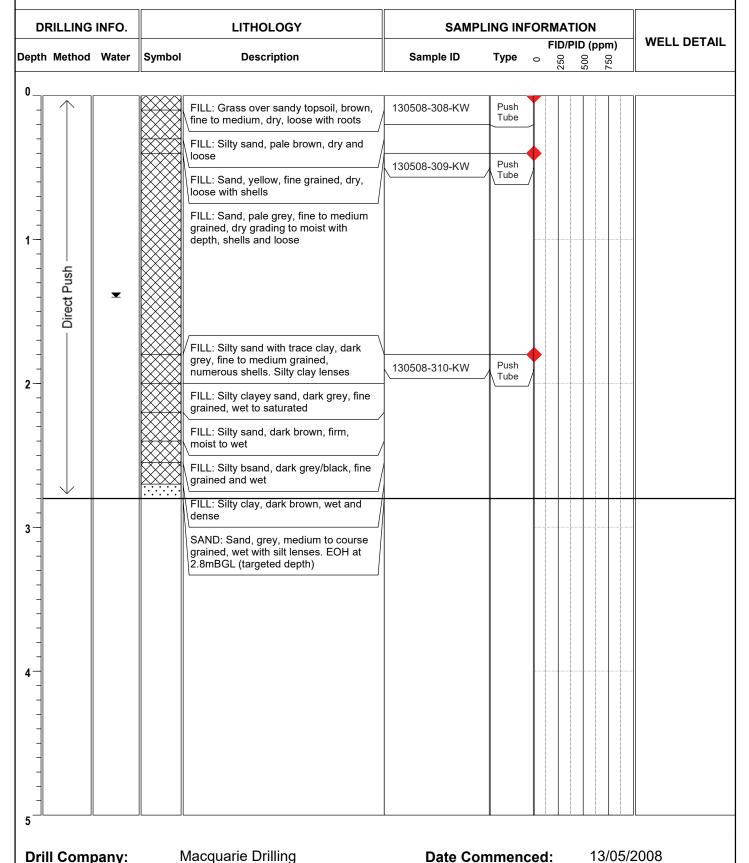
Boyd Cooks Cove

Elevation: 2.04

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH271 Environmental Log:



Date Completed:

Logged/checked by:

13/05/2008

K.Weir/L.Jenkins

CE3030700-BCC

Easting:

Elevation: 2.32

329748.078

CONSULTING EARTH SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

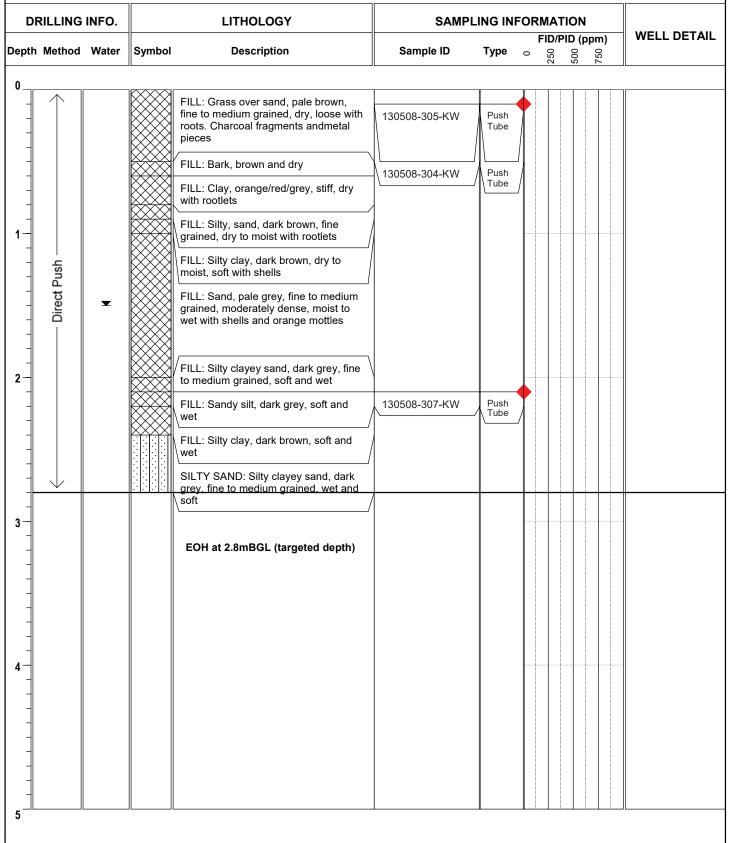
Client:

Northing: 6243224.958

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH272



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA

Client:

Easting: 329799.533

Elevation: 1.66

ESA **Northing:** 6243215.432

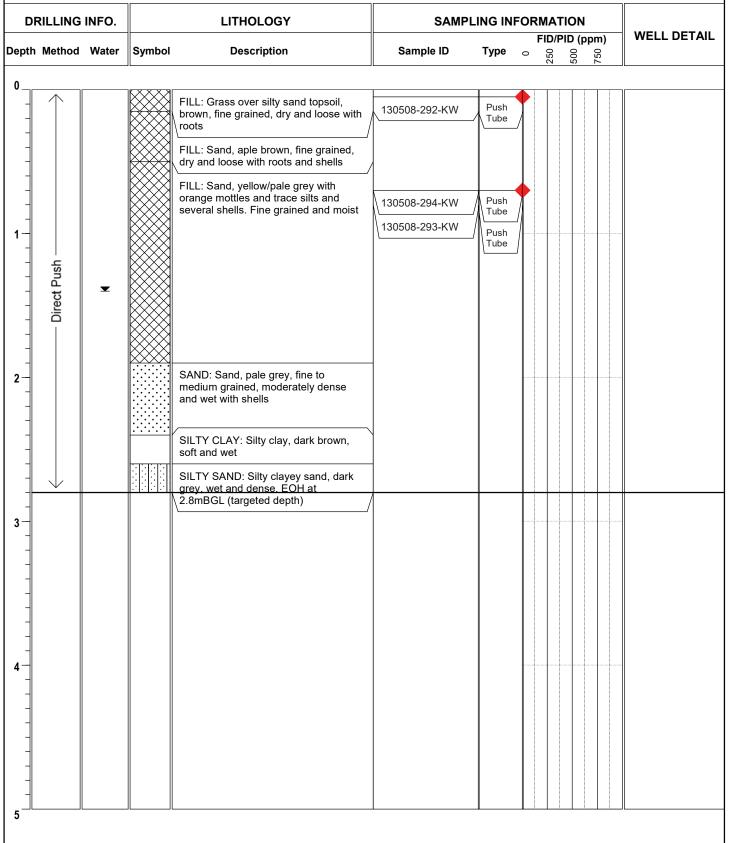
CONSULTING EARTH SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH273



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: **ESA**

Drill Model:

Hole Diameter (mm): 50

Mac200

Easting: 329843.486

Elevation: 2.05

Northing: 6243214.480

Boyd Cooks Cove Client:

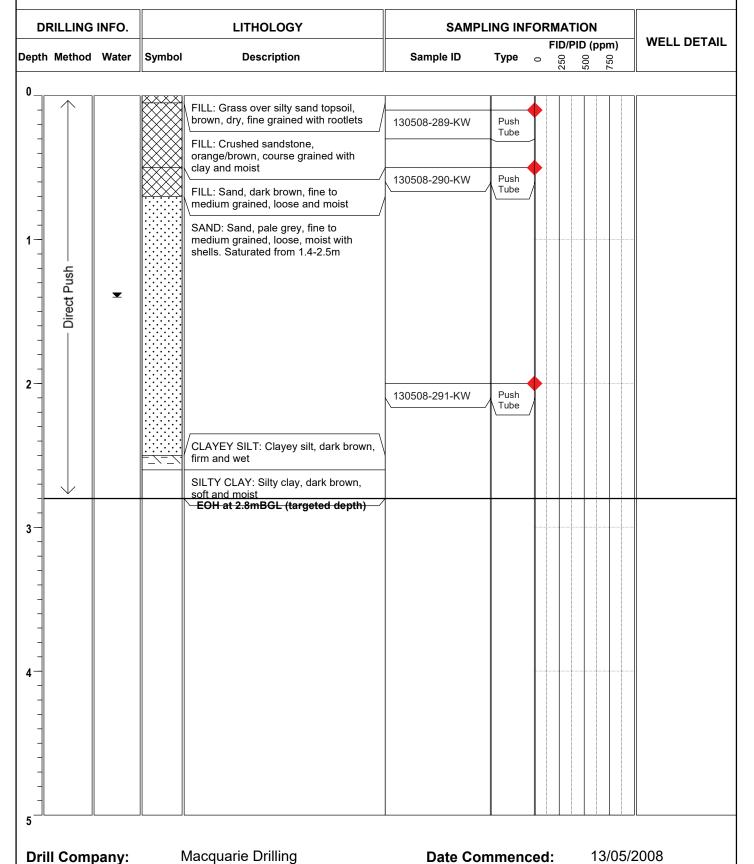
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

SCIENTIS TS

Location: Cooks Cove - Area A

ABH274 Environmental Log:



Date Completed:

Logged/checked by:

13/05/2008

K.Weir/L.Jenkins

Easting: 329883.398

Project: ESA

Client:

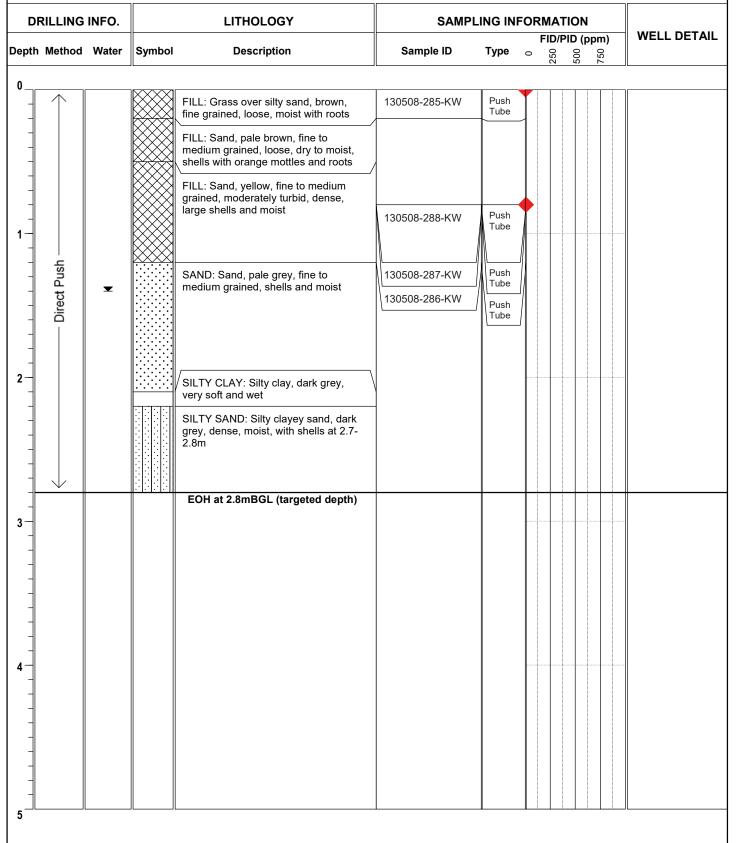
Northing: 6243214.269

Boyd Cooks Cove Elevation: 1.36



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH275 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: ESA Easting: 329929.395

Northing: 6243205.442

Boyd Cooks Cove Client:

Elevation: 1.81

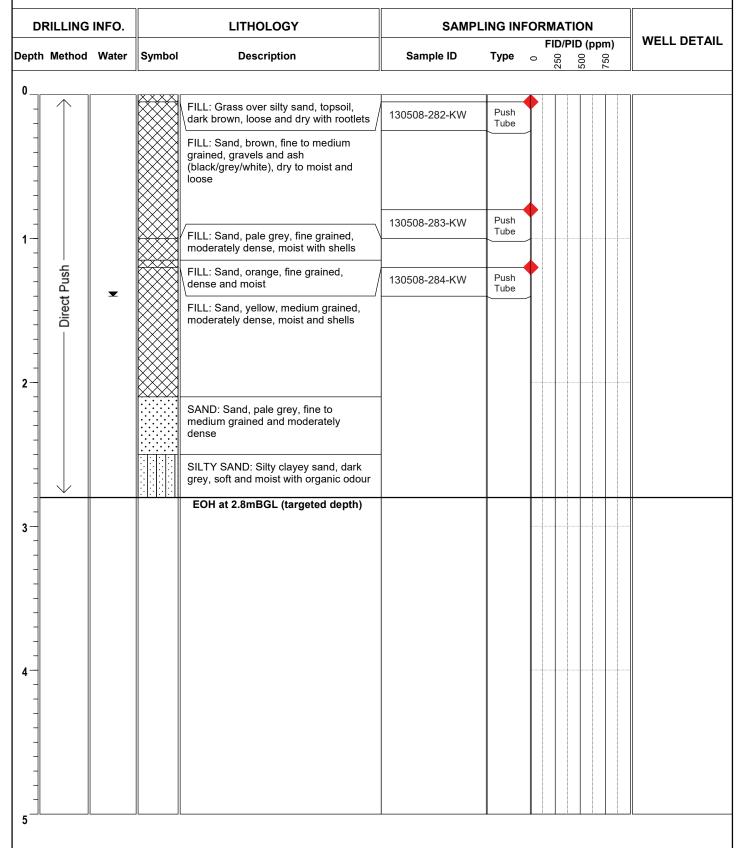
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

SCIENTIS TS

Location: Cooks Cove - Area A

ABH276 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

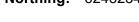
Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329968.774

Project: ESA Northing: 6243234.696

Client:



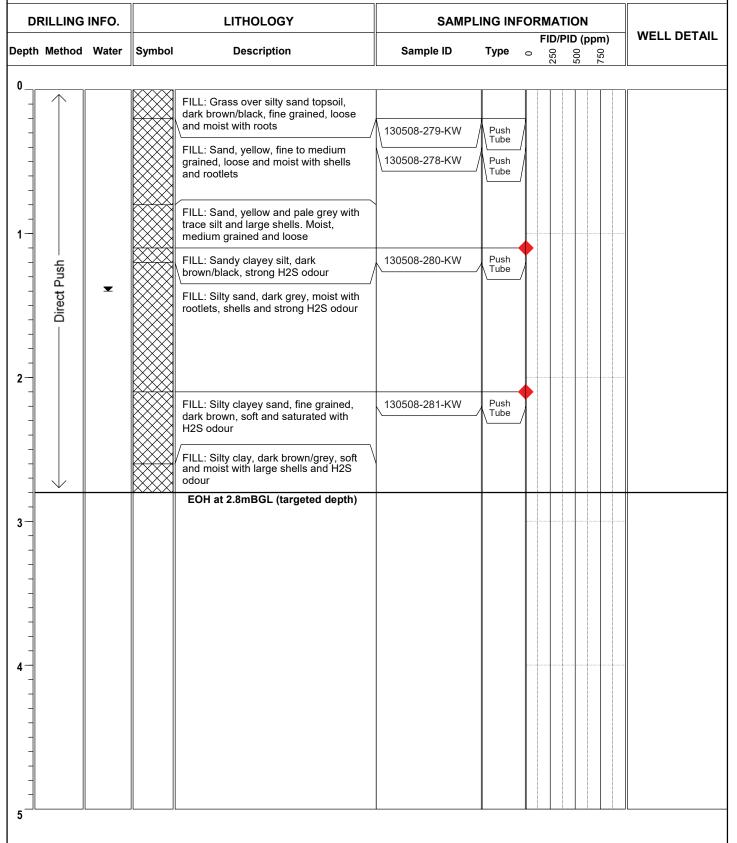
Elevation: 0.96

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

SCIENTIS TS

Location: Cooks Cove - Area A **Environmental Log: ABH277**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 330013.553

Northing: 6243235.996

Project: ESA

Boyd Cooks Cove Client:

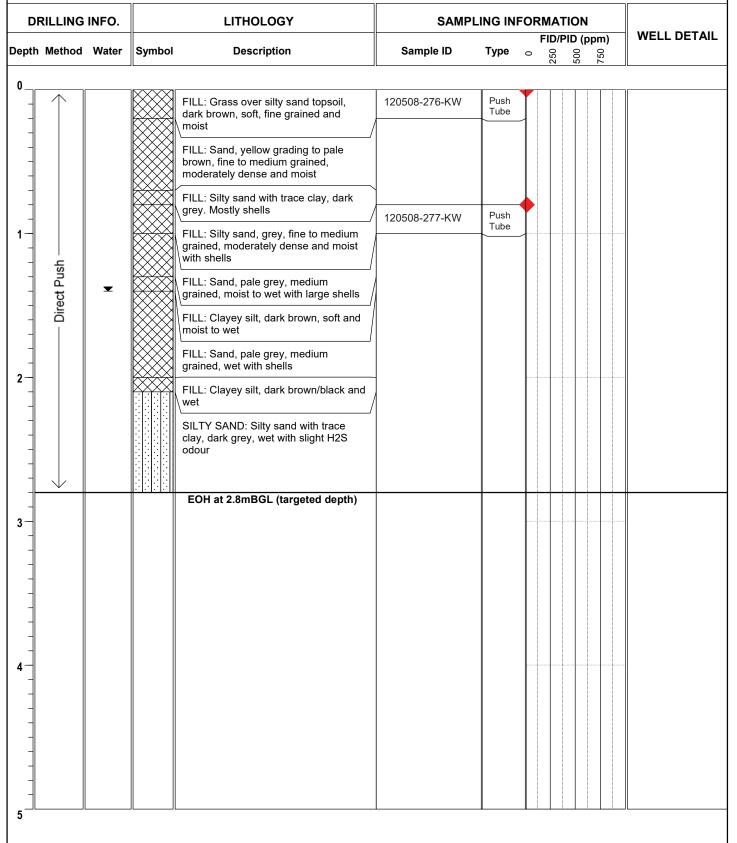
Elevation: 0.89



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH278 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329709.653

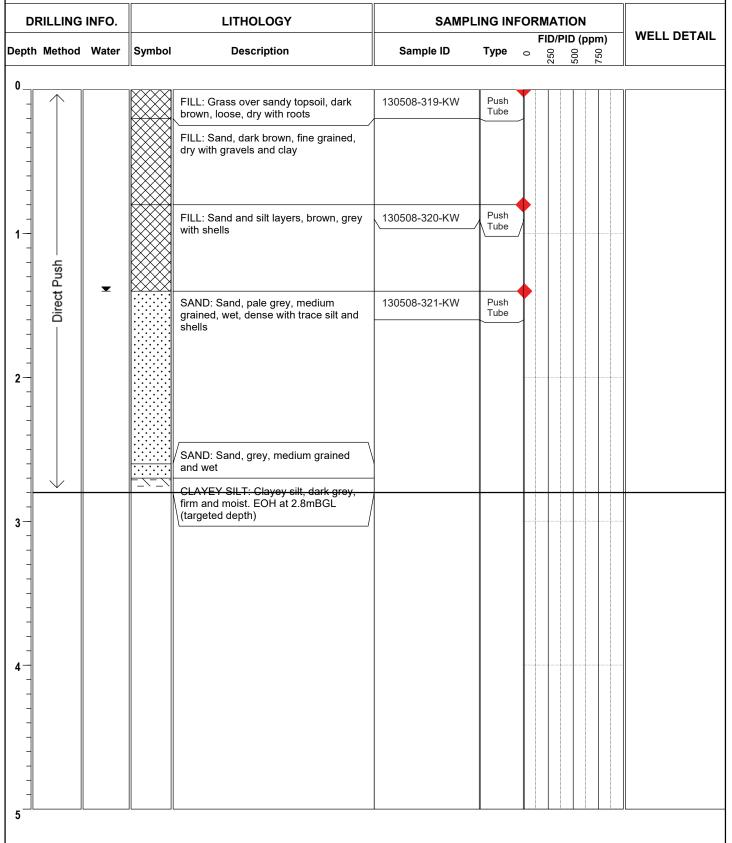
Project: **ESA** Northing: 6243160.286

Boyd Cooks Cove Elevation: 2.58 Client:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH279 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329745.044

Northing: 6243167.894 **ESA**

CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Project:

Client:

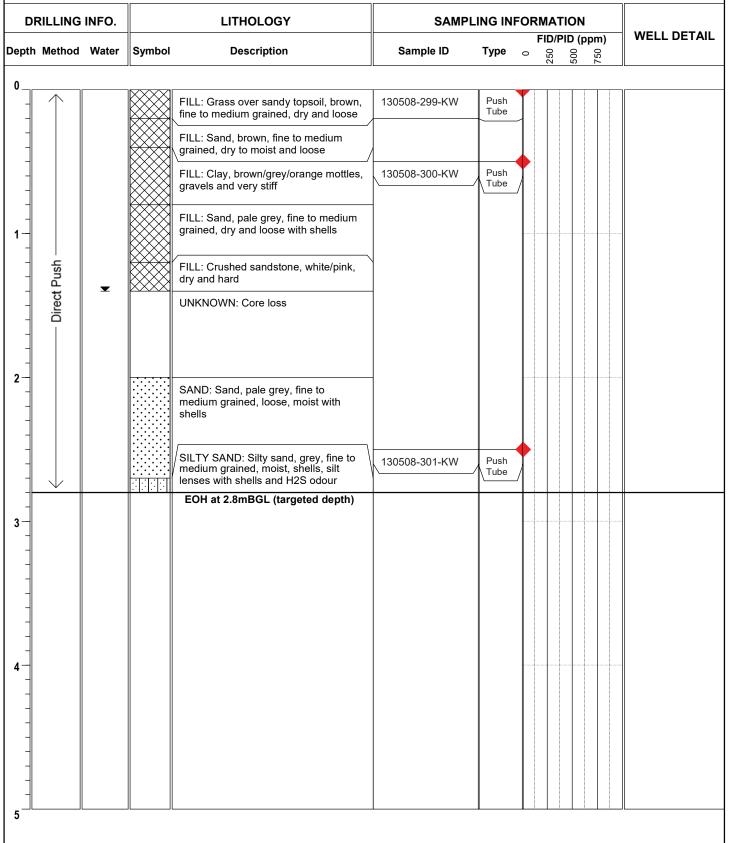
Location:

Boyd Cooks Cove

Cooks Cove - Area A

Elevation: 2.87

ABH280 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting:

329789.418

Project: ESA

Northing: 6243190.974

Project: ESA

J

Client: Boyd Cooks Cove

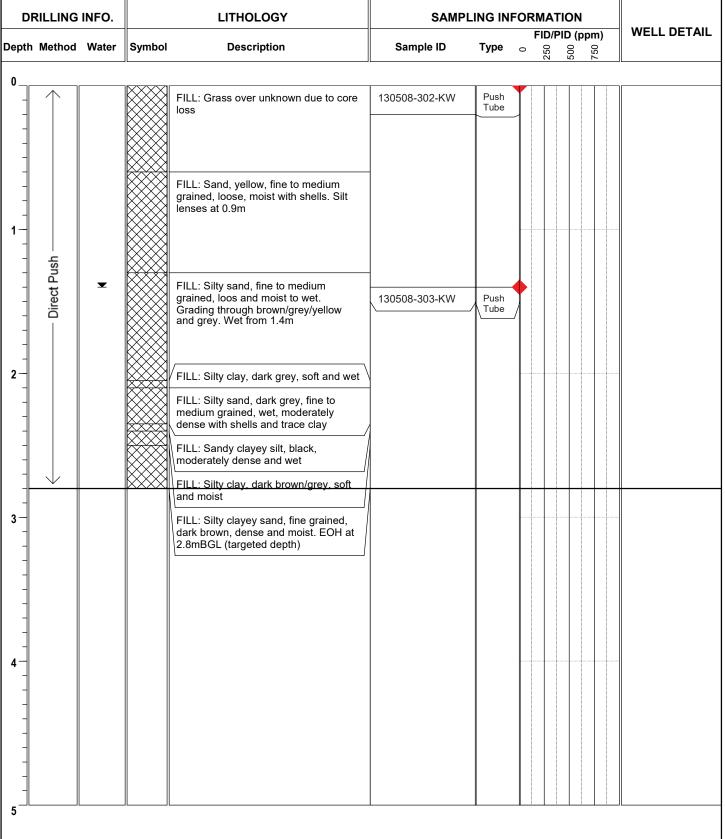
Elevation: 1.85



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: ABH281



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329825.352

Northing: 6243184.501

Project: ESA

Drill Model:

Hole Diameter (mm): 50

Mac200

Boyd Cooks Cove Client:

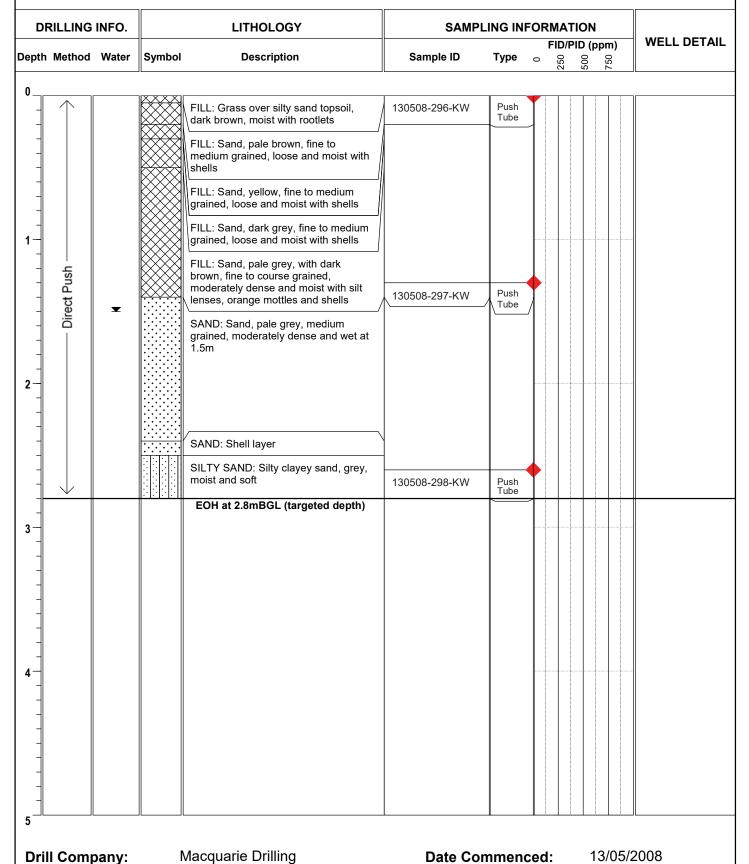
Elevation: 1.35



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH282 Environmental Log:



Date Completed:

Logged/checked by:

13/05/2008

K.Weir/L.Jenkins

Project: ESA Easting: 329888.702

Northing: 6243165.119

Boyd Cooks Cove Client:

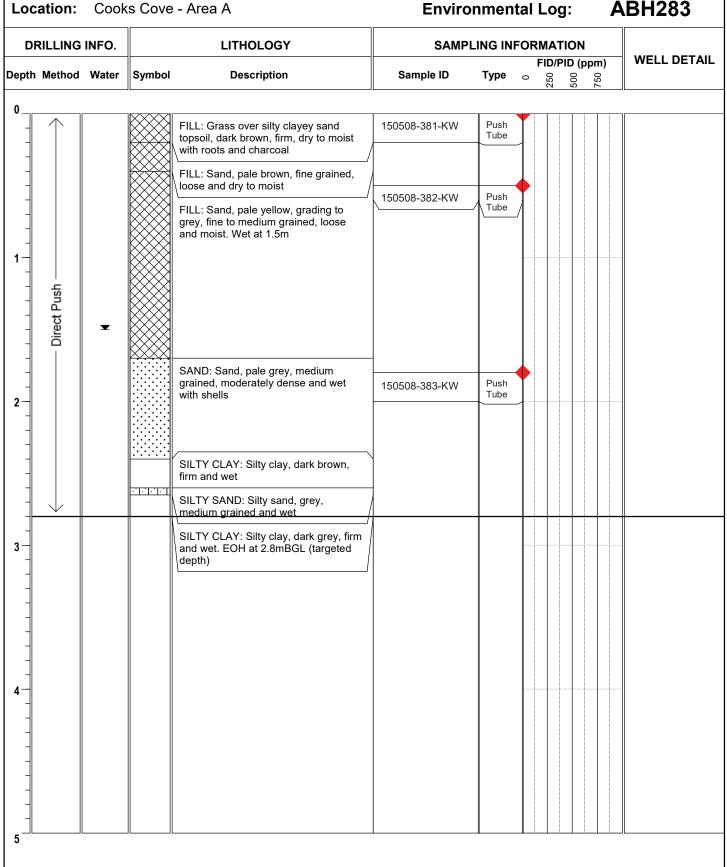
Jones Bay Wharf 19-21, Lower Level Suite 121

CONSULTING

SCIENTIS TS

Elevation: 1.59

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329927.212

Project: ESA

Northing: 6243176.201



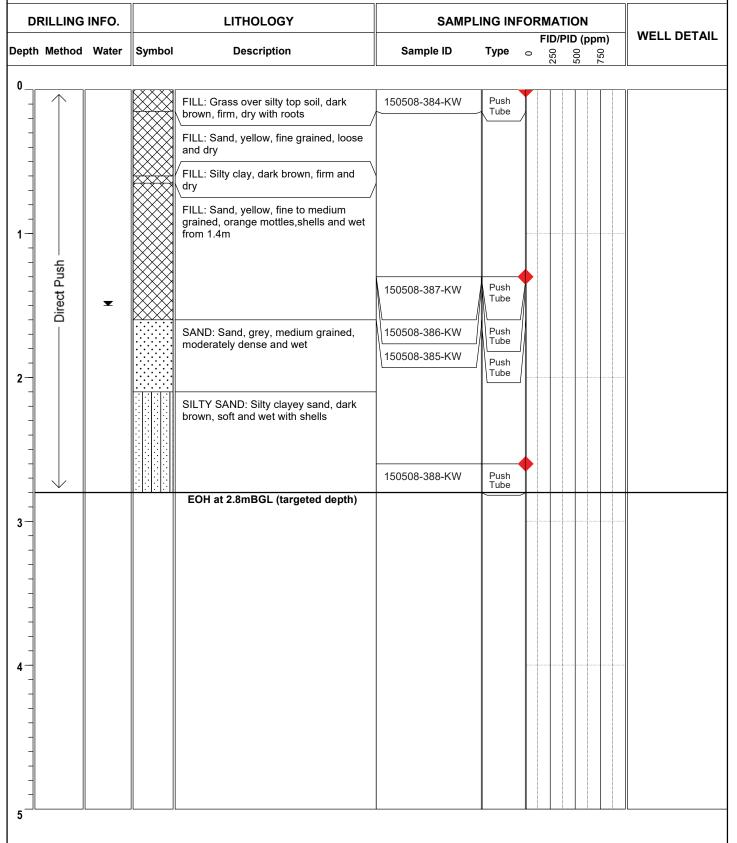
Elevation: 1.76



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH284 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Easting: 329971.624

Northing: 6243183.325

Boyd Cooks Cove Client:

Project:

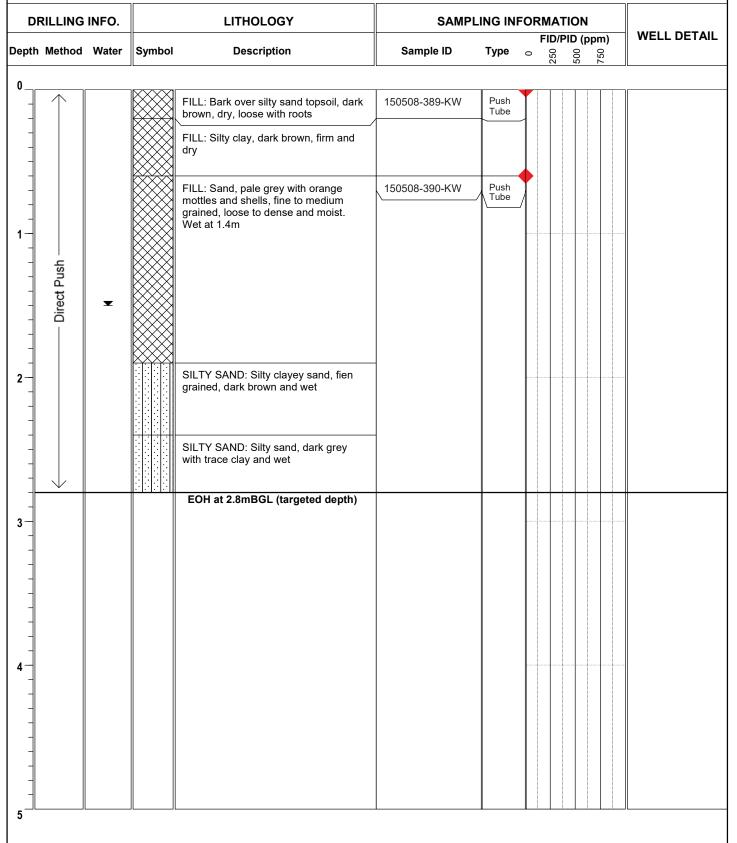
Elevation: 1.74



26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A **Environmental Log: ABH285**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 330001.417

Project: ESA

Client:

Northing: 6243192.728

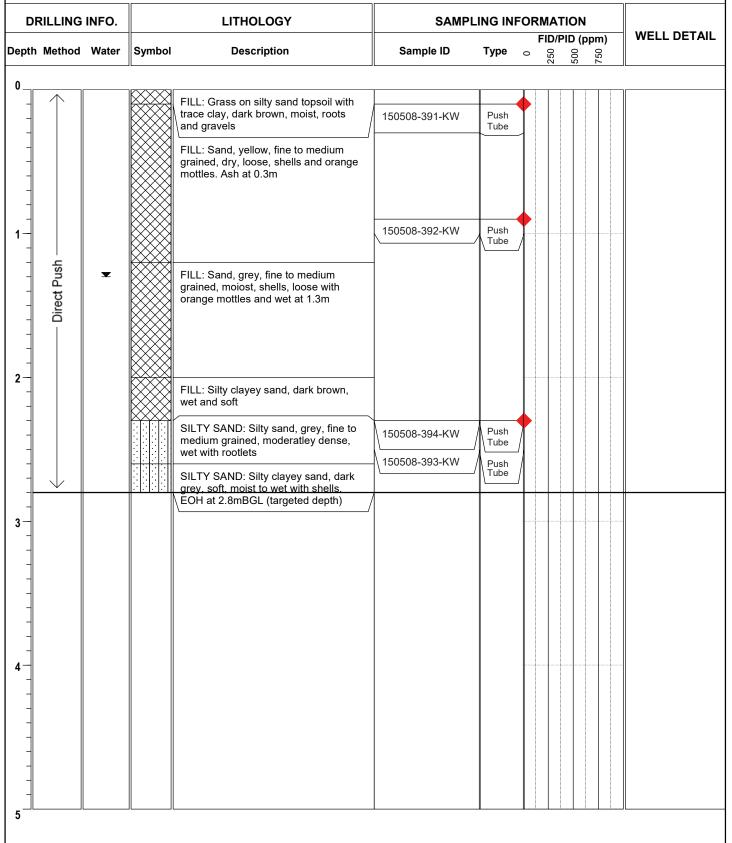
Boyd Cooks Cove Elevation: 1.44

SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A **Environmental Log: ABH286**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

Boyd Cooks Cove

Easting: 329802.345

Elevation: 1.88

Project: **ESA**

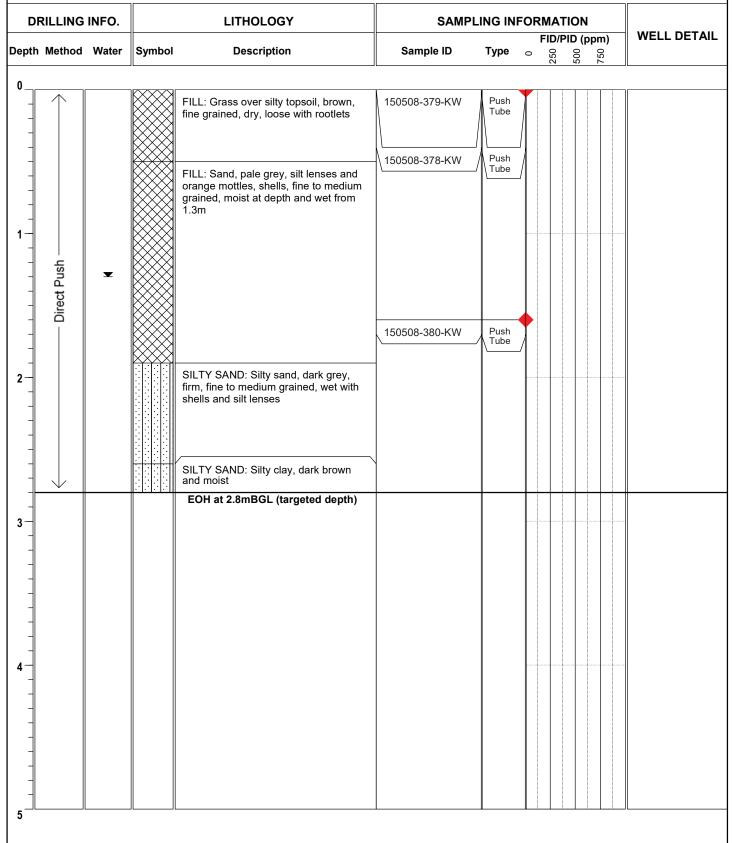
Client:

Northing: 6243164.287

CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH287**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

)50706-BCC **Ea**

Easting:

329838.139

Northing: 6243142.892

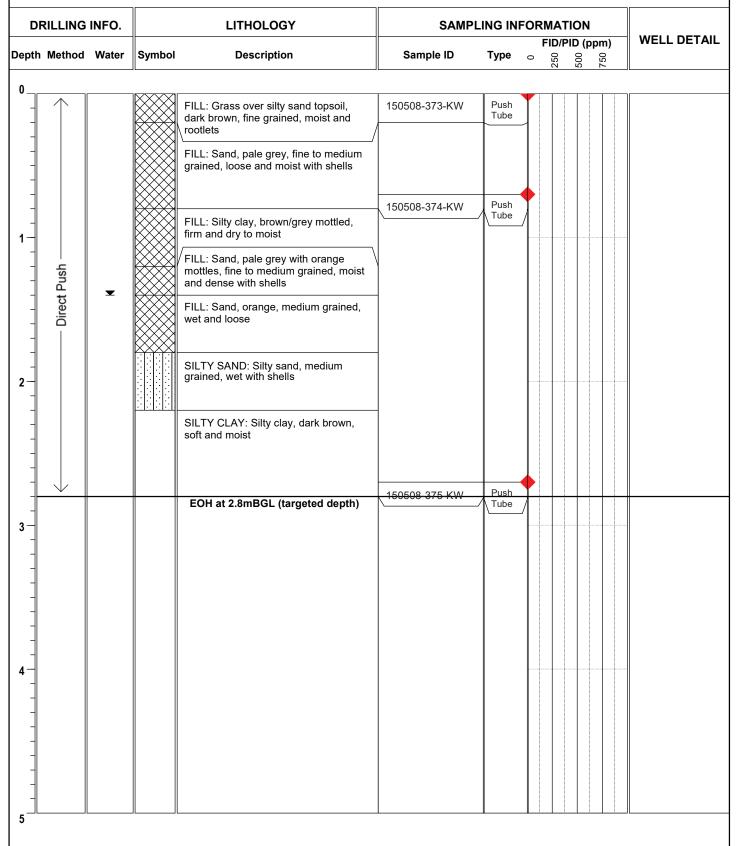
CONSULTING EARTH SCIENTISTS

Client: Boyd Cooks Cove Elevation: 1.53

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: ABH288



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting:

329888.068

Drill Model:

Hole Diameter (mm): 50

Mac200

Northing: 6243145.122

Project: **ESA**

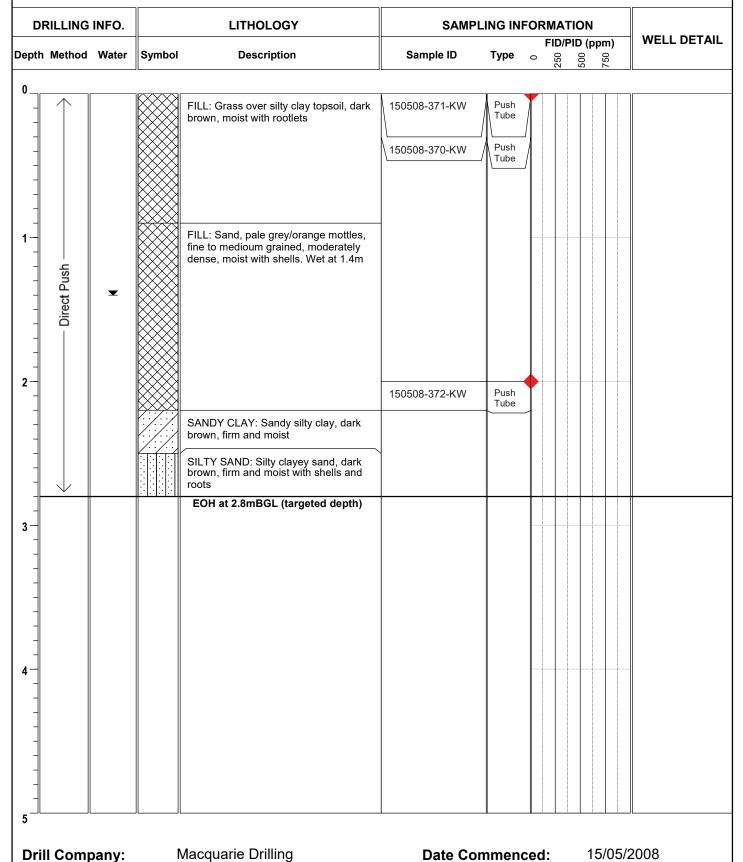


CONSULTING SCIENTIS TS

Boyd Cooks Cove Elevation: 1.88 Client:

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH289**



Date Completed:

Logged/checked by:

15/05/2008

K.Weir/L.Jenkins

ESA

Project:

Client:

Easting: 329924.715

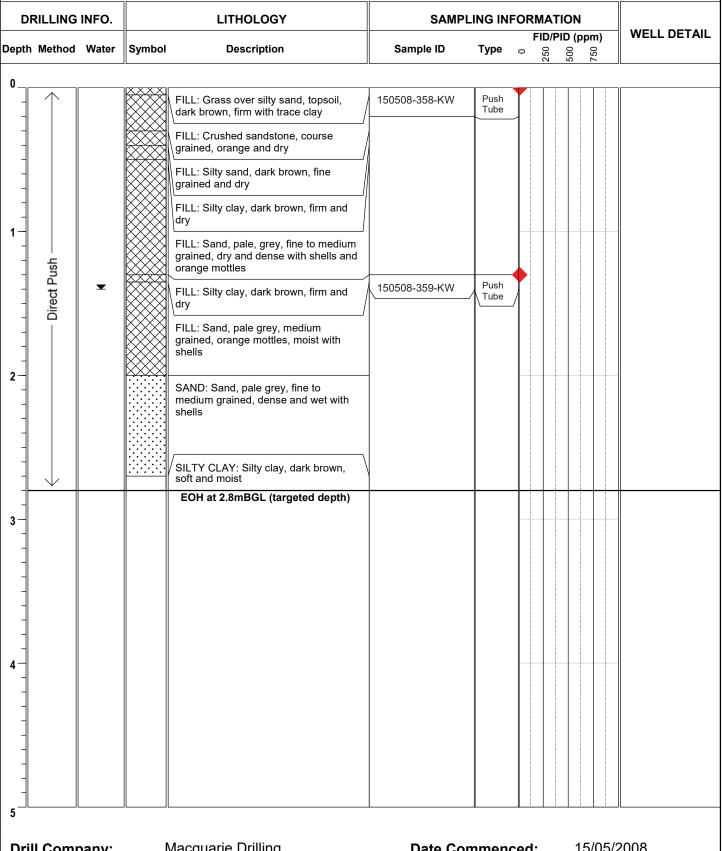
Northing: 6243131.849

Boyd Cooks Cove Elevation: 1.87



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH290 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Easting: 329972.055

Northing: 6243136.666

Boyd Cooks Cove

Project:

Client:

Drill Model:

Hole Diameter (mm): 50

Mac200

Elevation: 2.52

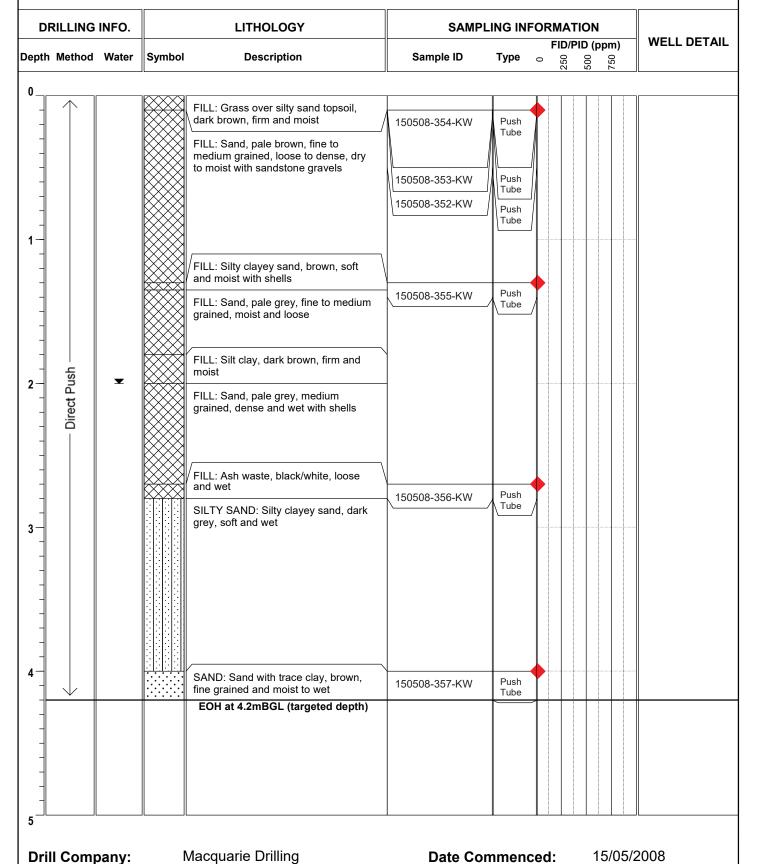
SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove - Area A

ABH291 Environmental Log:



Date Completed:

Logged/checked by:

15/05/2008

K.Weir/L.Jenkins

Easting: 329795.443

Project: ESA

Drill Model:

Hole Diameter (mm): 50

Mac200

Northing: 6243093.234



CONSULTING SCIENTIS TS

Date Completed:

Logged/checked by:

13/05/2008

K.Weir/L.Jenkins

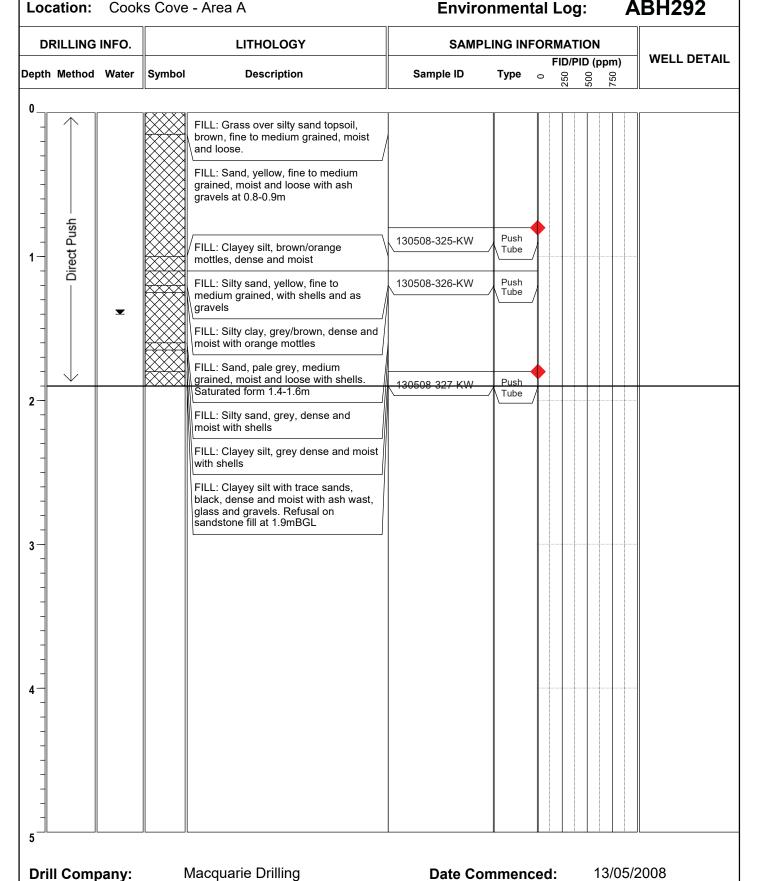
Sheet: 1 of 1

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cooks Cove Client:

Elevation: 1.88

ABH292 Environmental Log:



Project: ESA Easting: 329831.892

Northing: 6243084.592

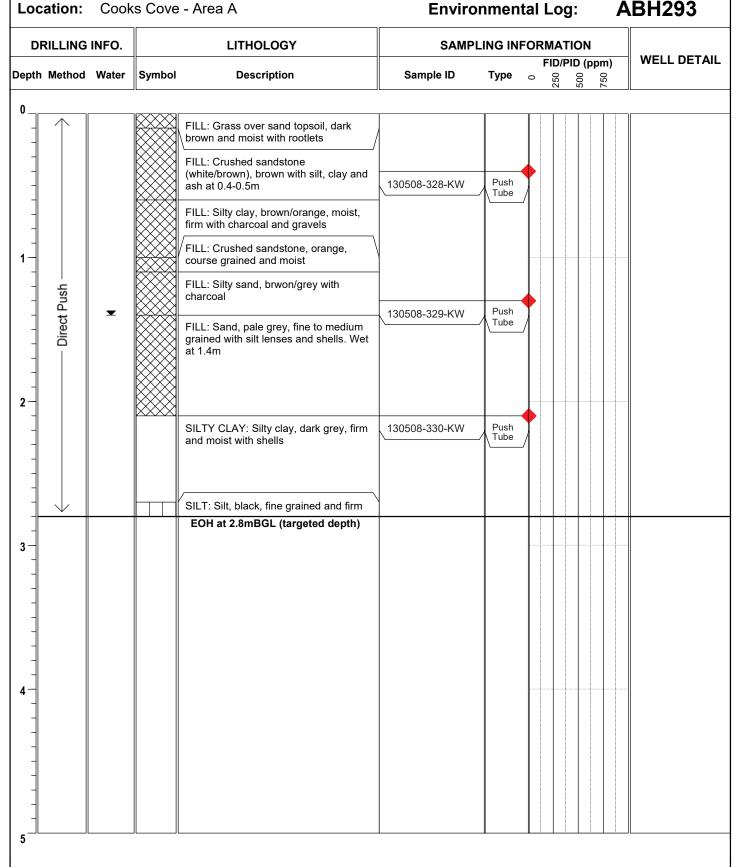
Boyd Cooks Cove Client:

SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121

CONSULTING

Elevation: 1.91

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting:

329858.669

Project: ESA

Northing: 6243120.087

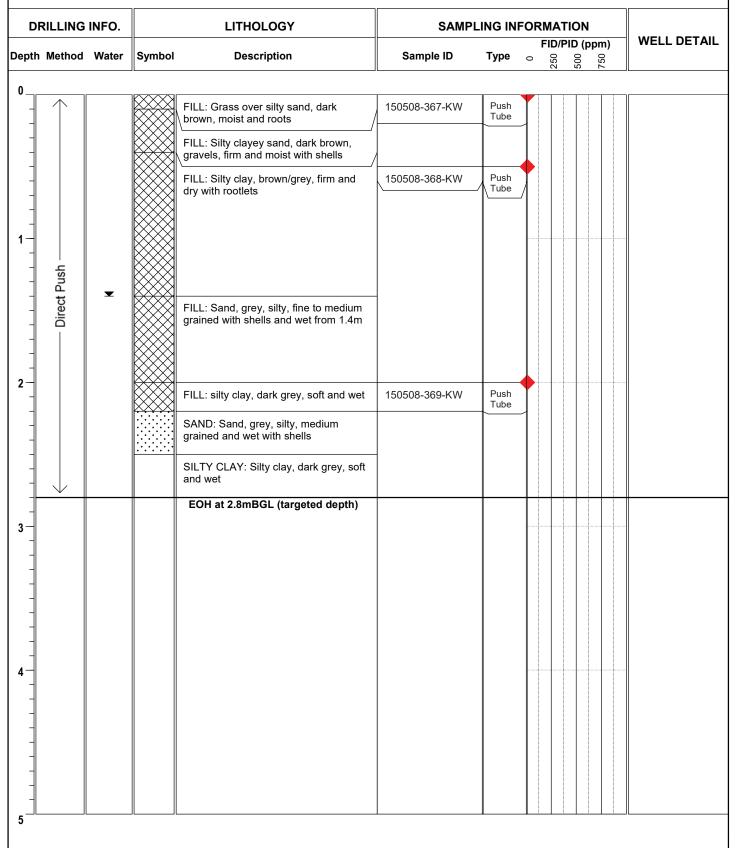
CONSULTING EARTH SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cooks Cove

Elevation: 1.70

Location: Cooks Cove - Area A Environmental Log: ABH294



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

Project: **ESA** Easting: 329741.167

Elevation: 2.02

Northing: 6243137.961

Boyd Cooks Cove Client:

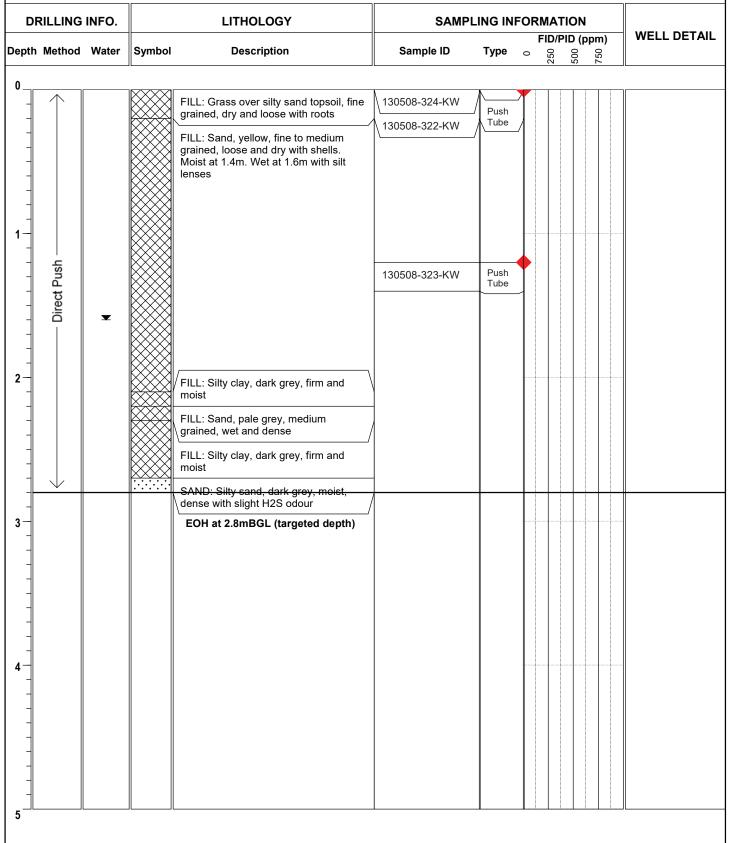
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

SCIENTIS TS

Location: Cooks Cove - Area A

ABH295 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 13/05/2008

Date Completed: 13/05/2008

Logged/checked by: K.Weir/L.Jenkins

ESA

Project:

Easting:

329442.022

Project ID: CES050706-BCC

Northing: 6243279.278



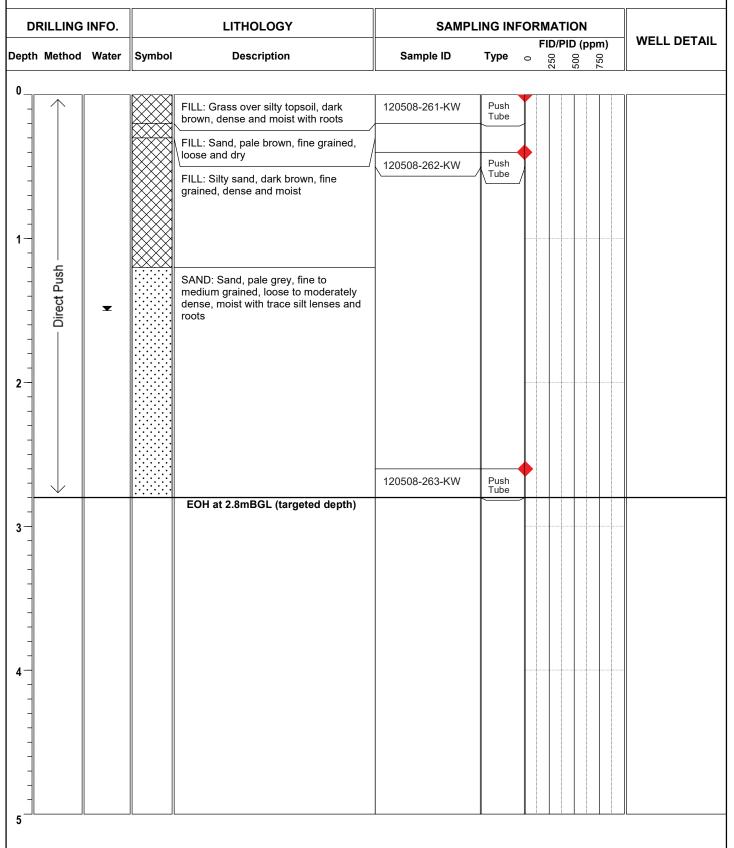
CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cooks Cove Client:

Elevation: 1.42

Location: Cooks Cove - Area A **Environmental Log: ABH296**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329954.741

Project: **ESA** **Northing:** 6243567.285

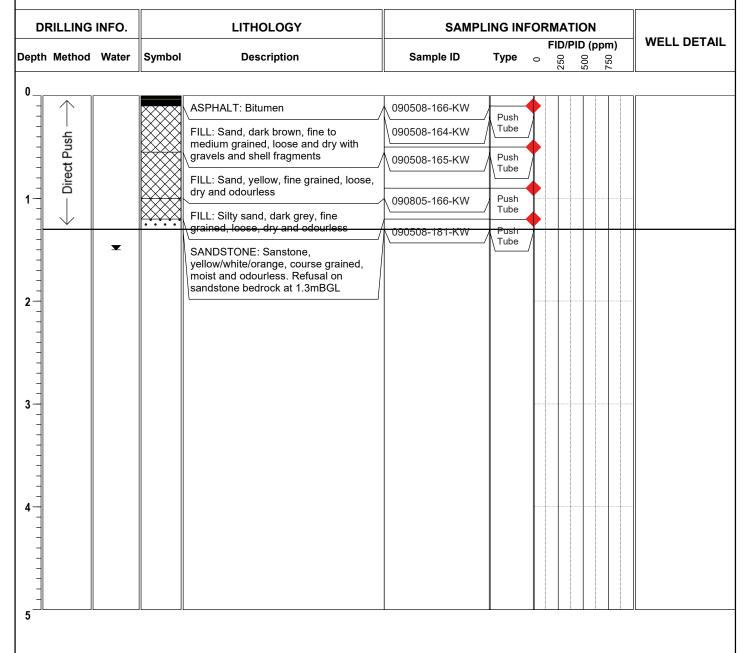
Boyd Cooks Cove Client:

Elevation: 1.82



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH297**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

09/05/2008 **Date Commenced:**

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329957.270

Project: ESA

Northing: 6243565.596

Client: Boyd Cooks Cove

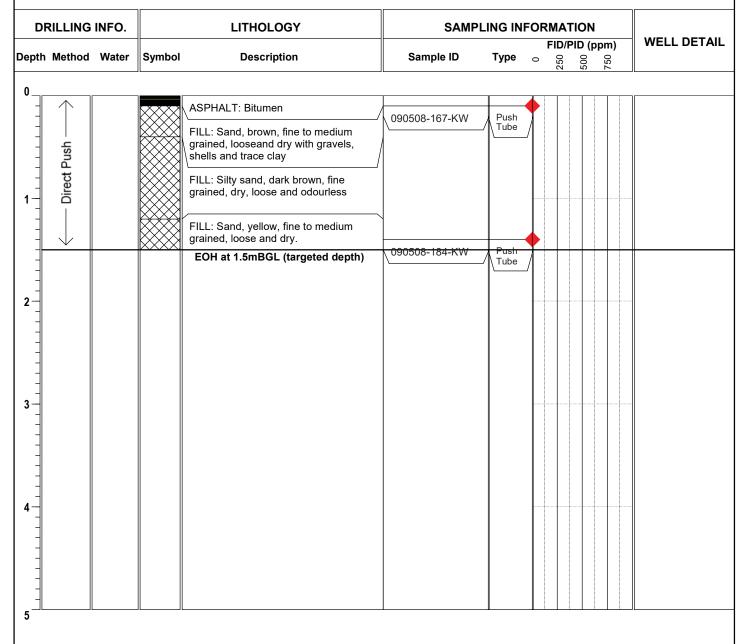
Elevation: 1.97

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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: ABH298



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329956.887

Project: **ESA** Northing: 6243568.981

Boyd Cooks Cove Client:

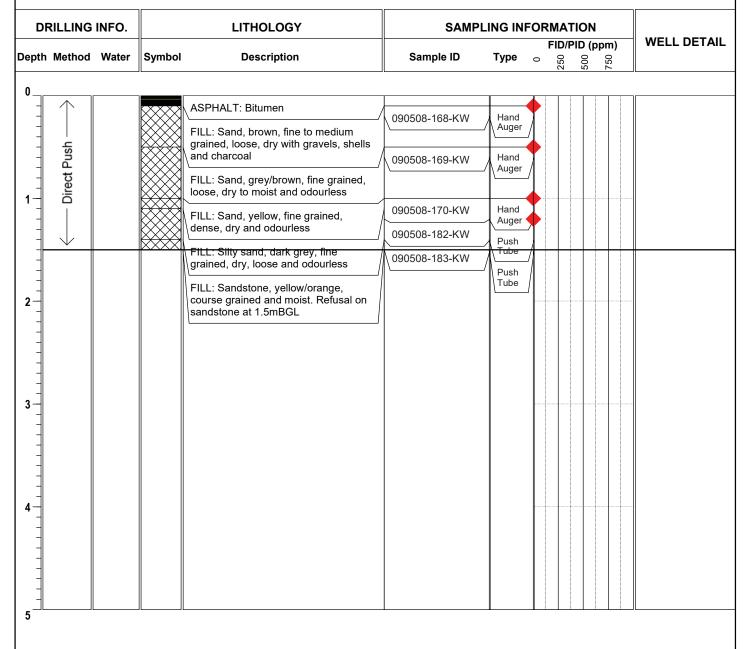
Elevation: 1.86



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH299 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329957.565

Elevation: 2.16

Project:

Client:

Drill Model:

Hole Diameter (mm): 75

Mac200

Northing: 6243566.232

ESA

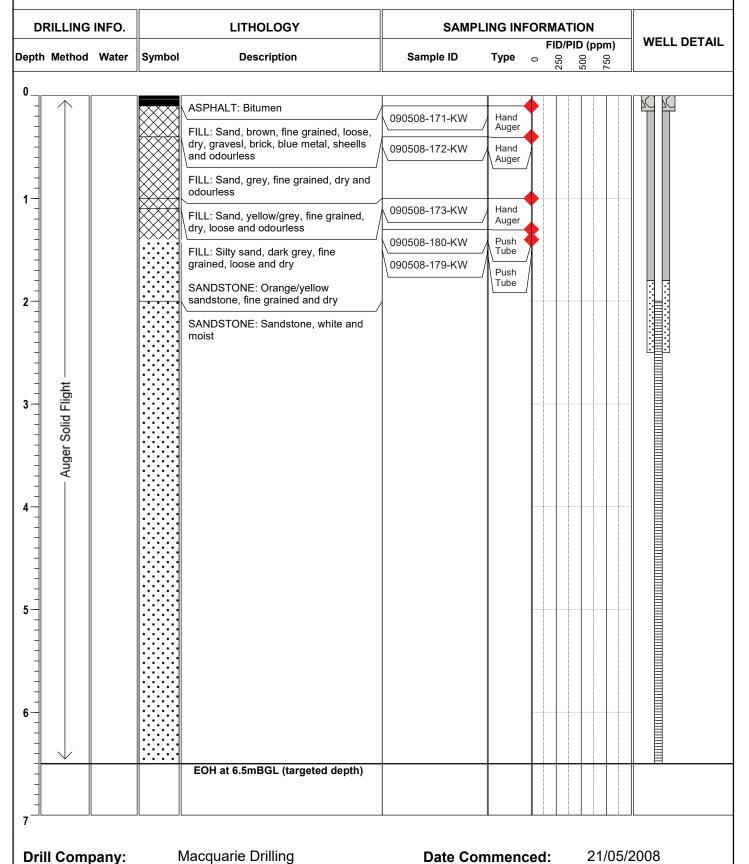


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH2100



Date Completed:

Logged/checked by:

21/05/2008

Jenkins/Weir

Easting: 329960.173

Project: ESA

Northing: 6243565.265

Drill Model:

Hole Diameter (mm): 50

Mac200

Client:

Elevation: 2.16

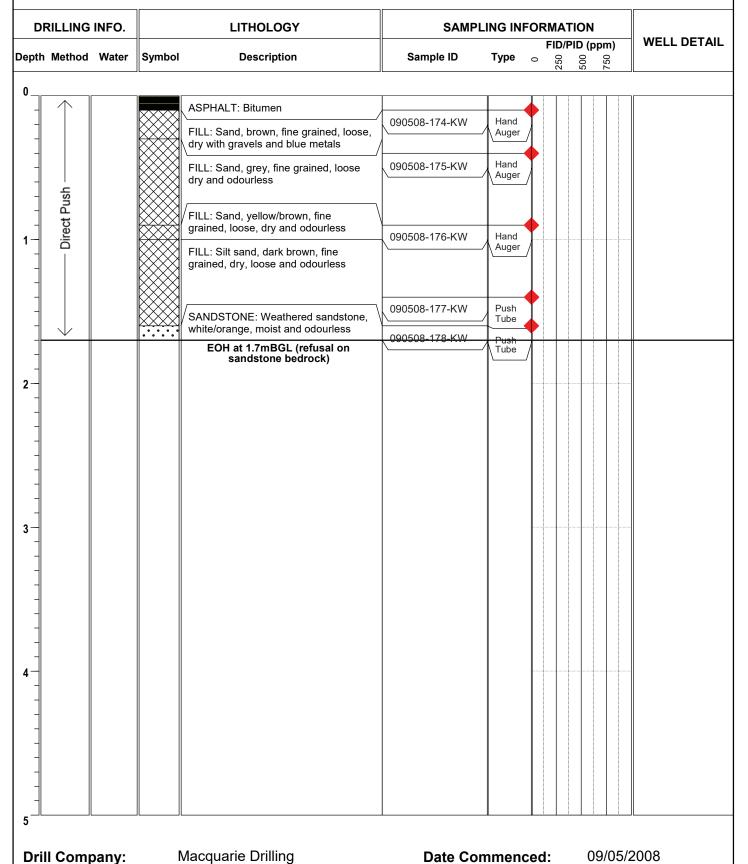


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH2101



Date Completed:

Logged/checked by:

09/05/2008

K.Weir/L.Jenkins

ESA

Project:

Easting: 329960.984

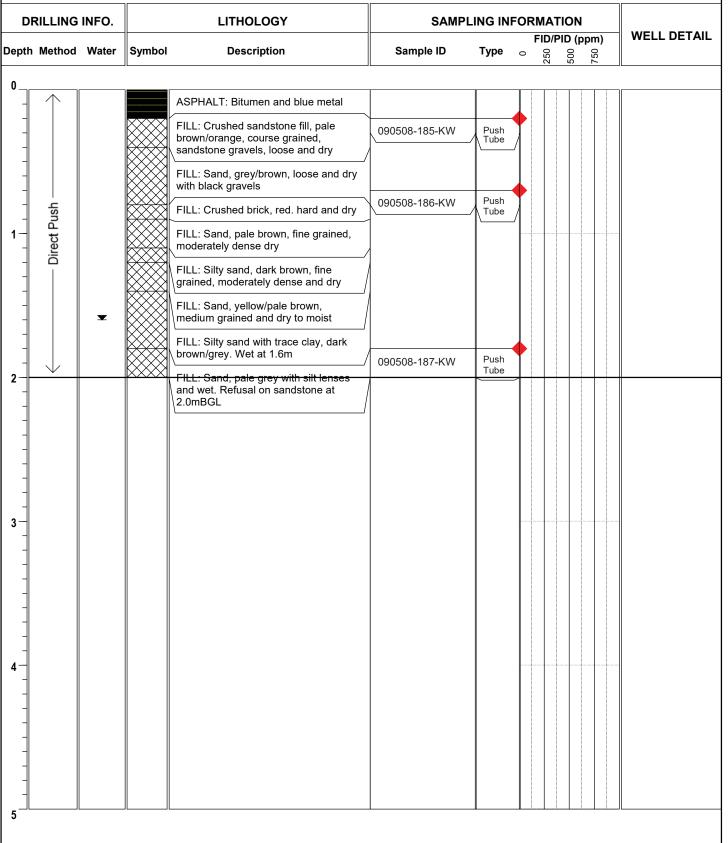
Northing: 6243570.536

Boyd Cooks Cove Elevation: 2.16 Client:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH2102 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329920.146

Project: **ESA**

Client:

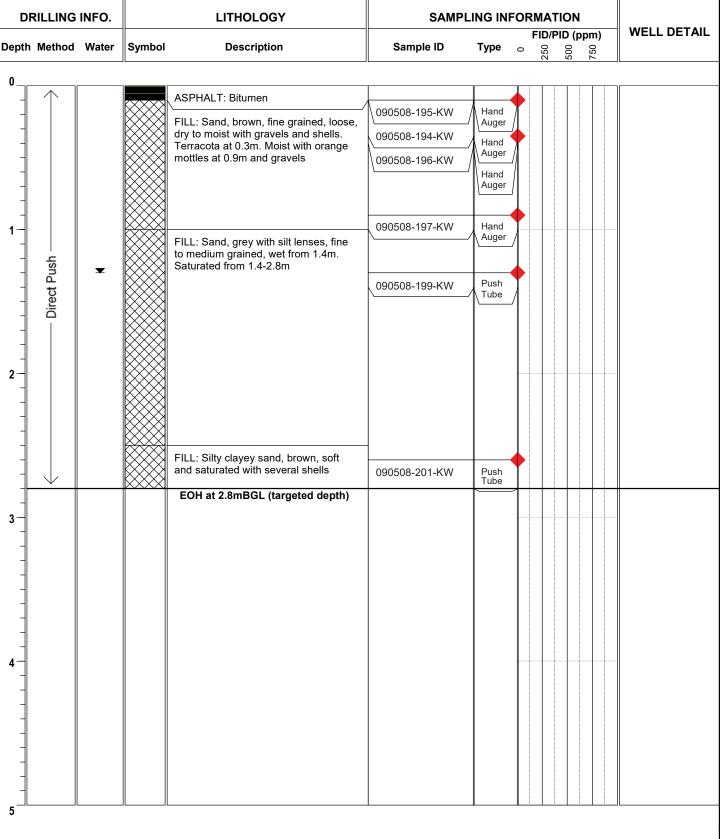
Northing: 6243581.574

Boyd Cooks Cove Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

ABH2103 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

706-BCC Easting:

Project: ESA

Client:

329920.146

Northing: 6243581.574

Elevation: 1.89

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

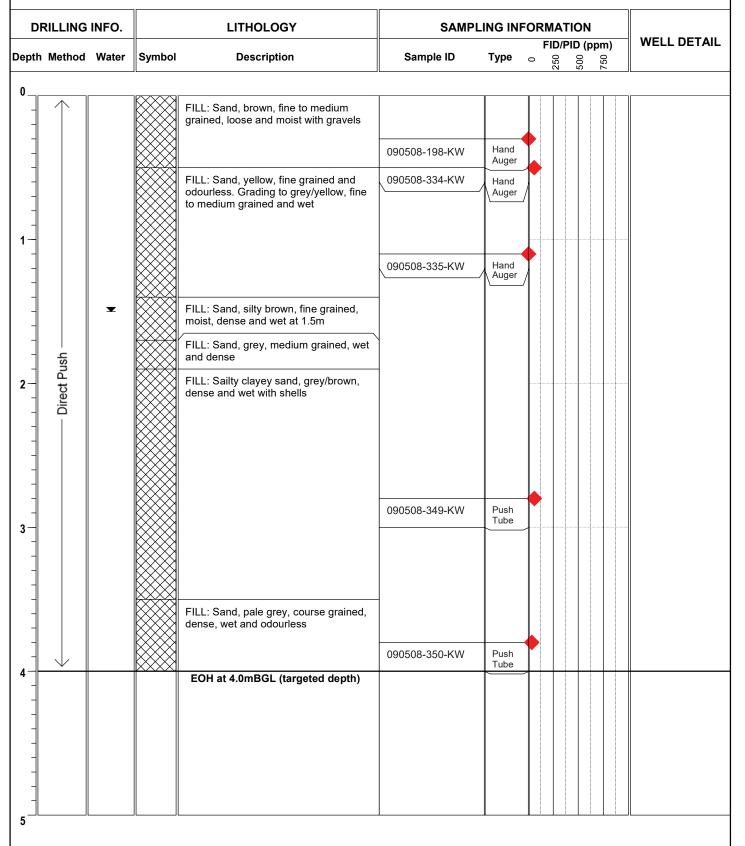
CONSULTING

SCIENTIS TS

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: ABH2104



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329916.377

Project: **ESA** Northing: 6243589.938

Boyd Cooks Cove Client:

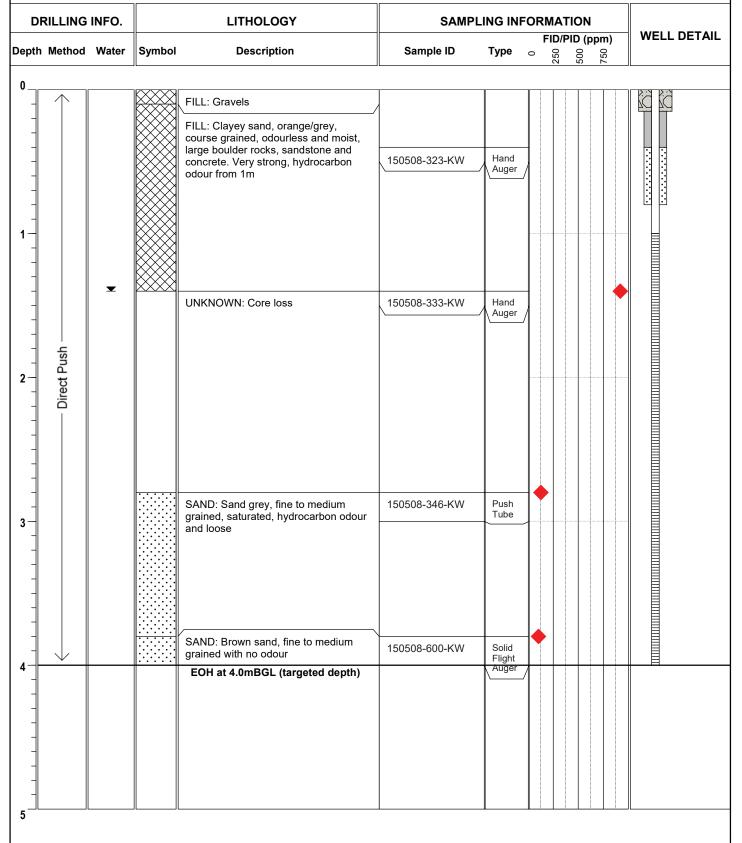
Elevation: 1.98



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH2105 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model:

Mac200

Hole Diameter (mm): 75

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: Jenkins/Weir

ESA

Project:

Drill Model:

Hole Diameter (mm): 50

Mac200

Easting: 329905.057

Elevation: 2.25

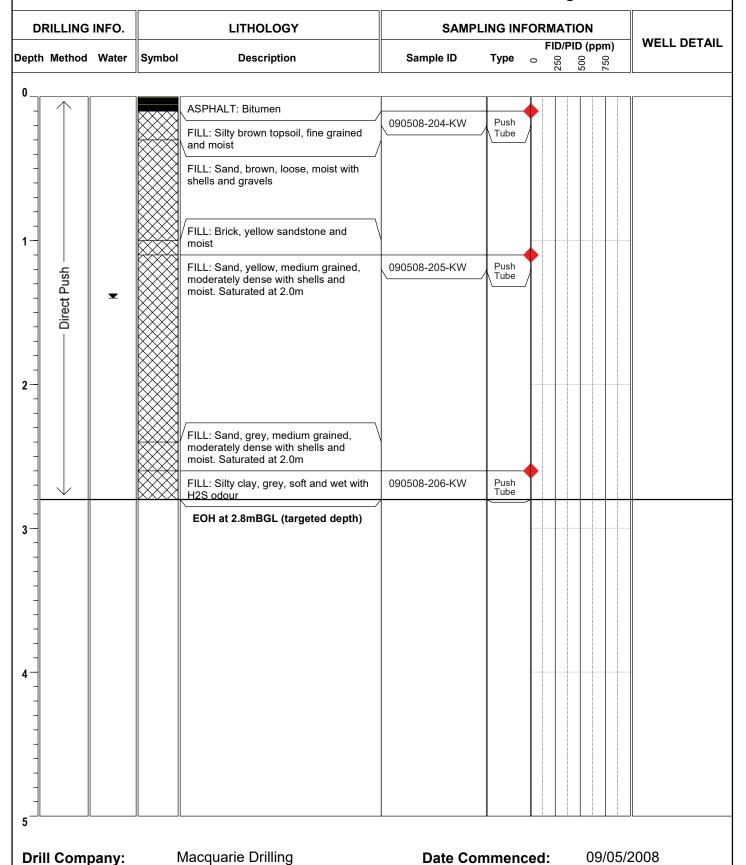
Boyd Cooks Cove Client:

Northing: 6243586.237

CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ABH2106**



Date Completed:

Logged/checked by:

09/05/2008

K.Weir/L.Jenkins

Project: **ESA** Easting: 329919.941

Northing: 6243590.875

Elevation:

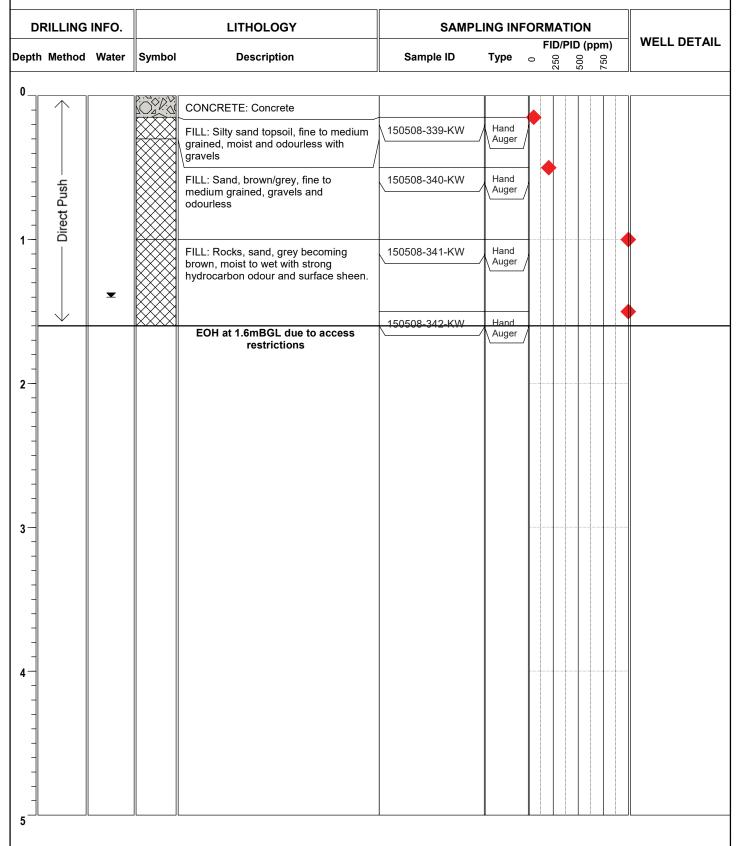
Boyd Cooks Cove Client:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH2107 Environmental Log:



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

.....

Easting: 329921.010

Project: ESA

Northing: 6243586.932

Client:

Boyd Cooks Cove

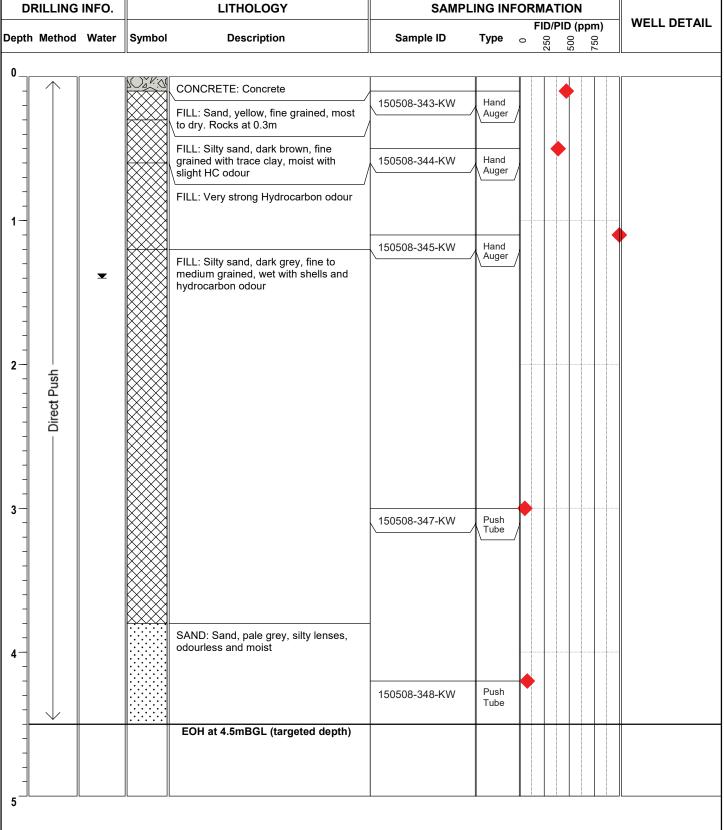
Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: ABH2108



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 50

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: K.Weir/L.Jenkins

Easting: 329905.057

Northing: 6243586.237

Project: **ESA**

Drill Model:

Hole Diameter (mm): 50

Mac200

Boyd Cooks Cove Client:

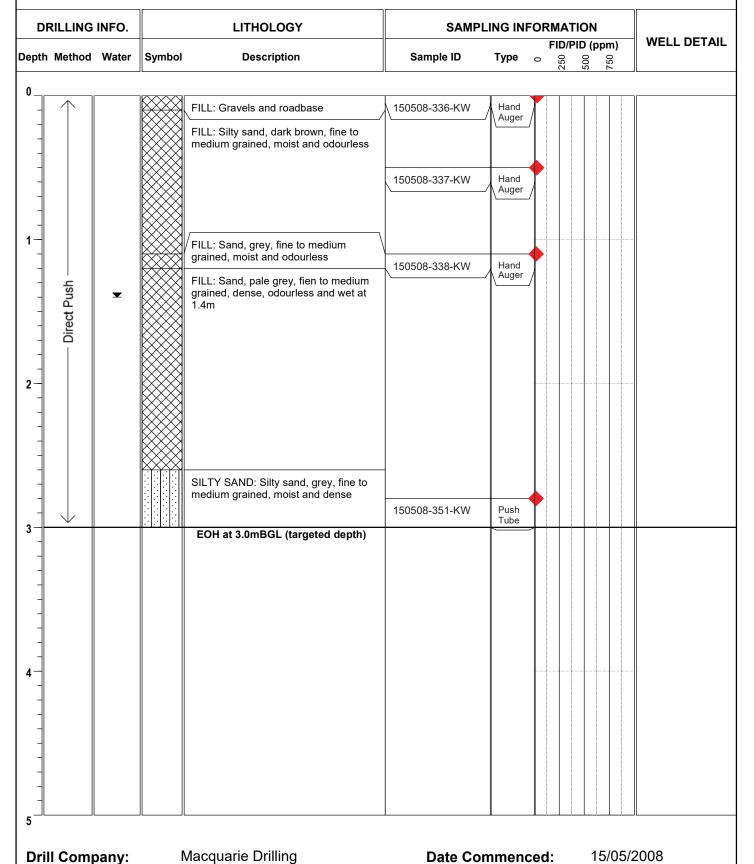
Elevation: 2.25



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

ABH2109 Environmental Log:



Date Completed:

Logged/checked by:

15/05/2008

K.Weir/L.Jenkins

Easting: 329956.998

Project: **ESA** Northing: 6243565.240

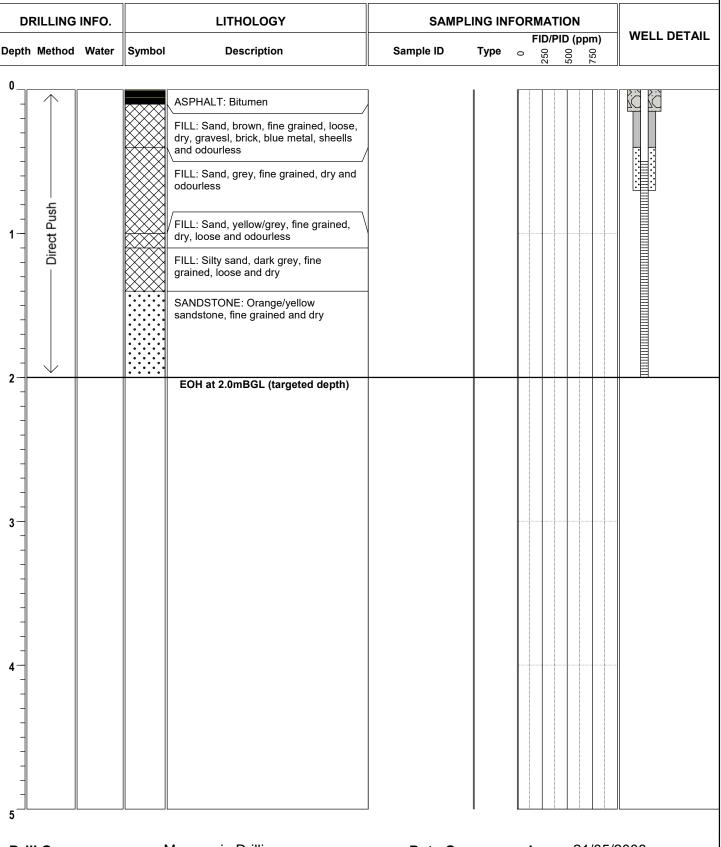
SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Boyd Cooks Cove Client:

Elevation: 1.9

ABH2110 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 21/05/2008

Date Completed: 21/05/2008

Logged/checked by: Jenkins/Weir

ESA

Project:

Easting: 329464.951

Northing: 6243255.406

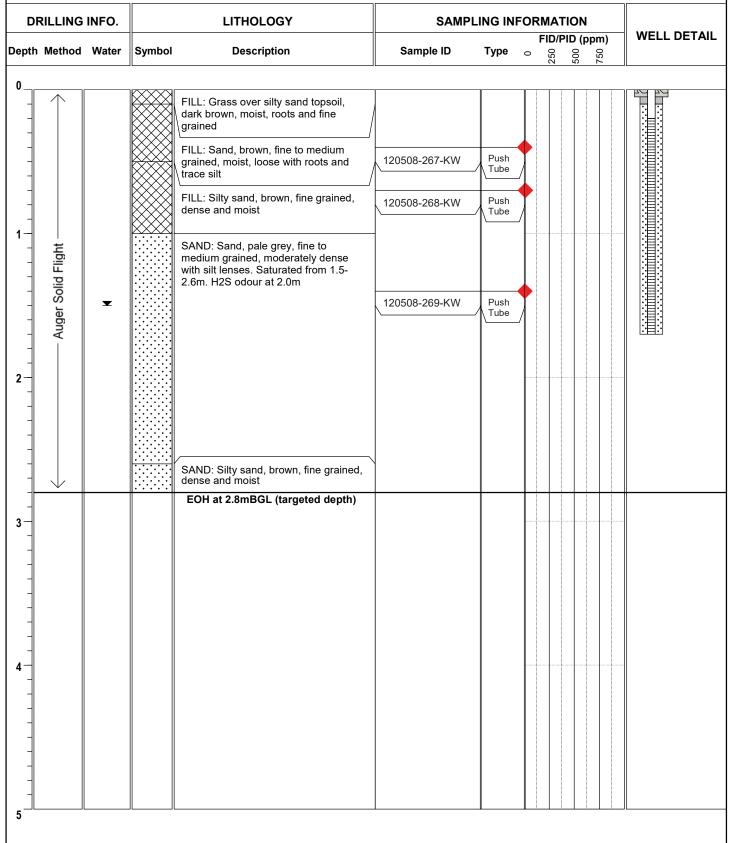
Boyd Cooks Cove Client:



CONSULTING

Elevation: 1.09

Location: Cooks Cove - Area A **Environmental Log: ALG201**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: Jenkins/Weir

ESA

Project:

ES050706-BCC East

Easting: 329556.712

EARTH SCIENTISTS

Northing: 6243218.788

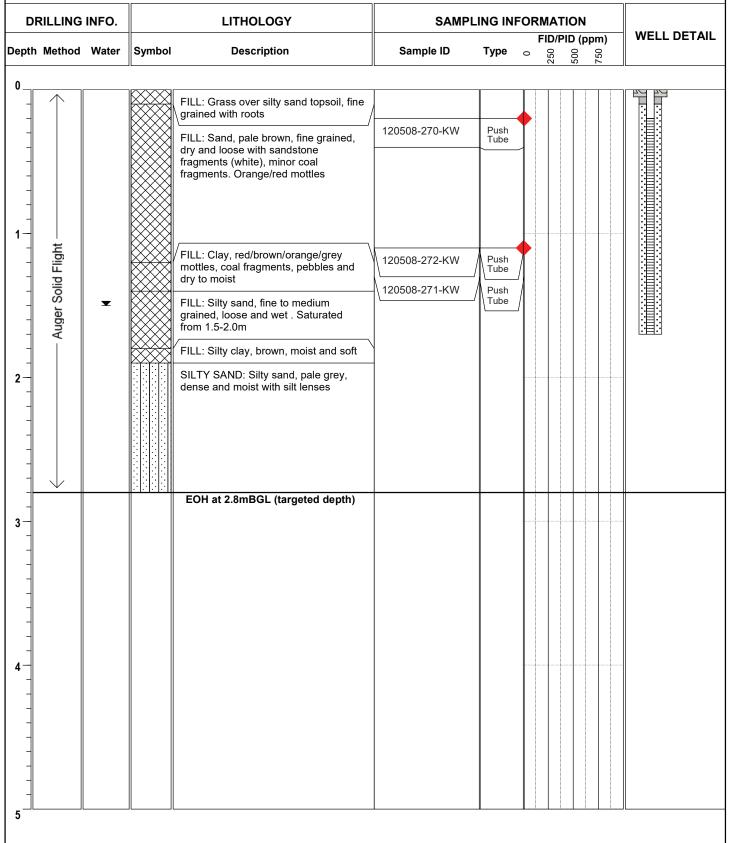
Client: Boyd Cooks Cove

Elevation: 1.68

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: ALG202



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: Jenkins/Weir

Project:

ESA

Easting: 329702.791

Elevation: 1.98

Client: Boyd Cooks Cove

Northing: 6243184.299

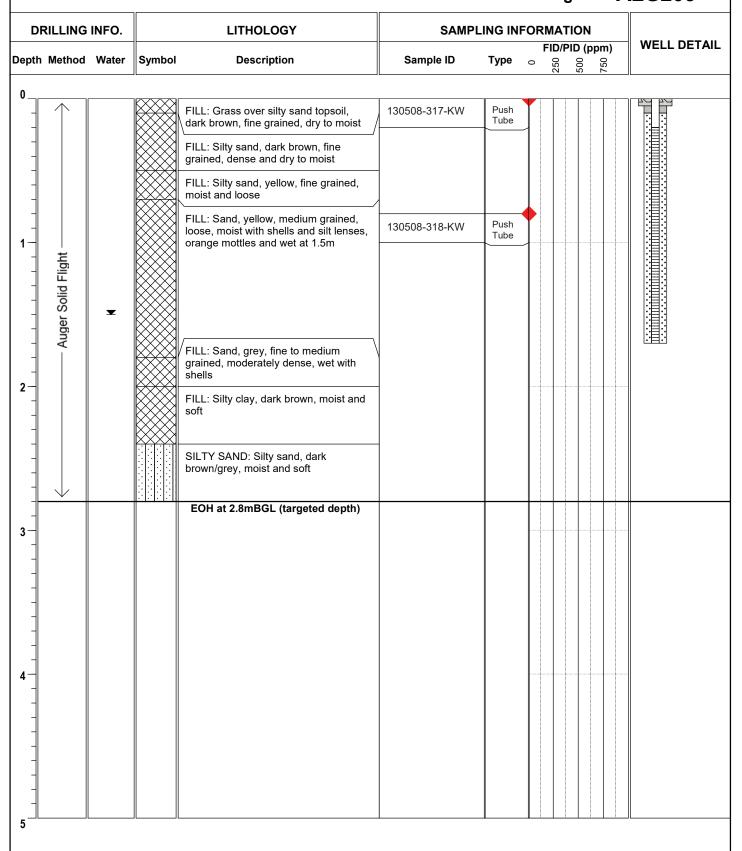
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

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Location: Cooks Cove - Area A

Environmental Log: ALG203



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cooks Cove

Easting: 329801.119

Project: **ESA** Northing: 6243134.358

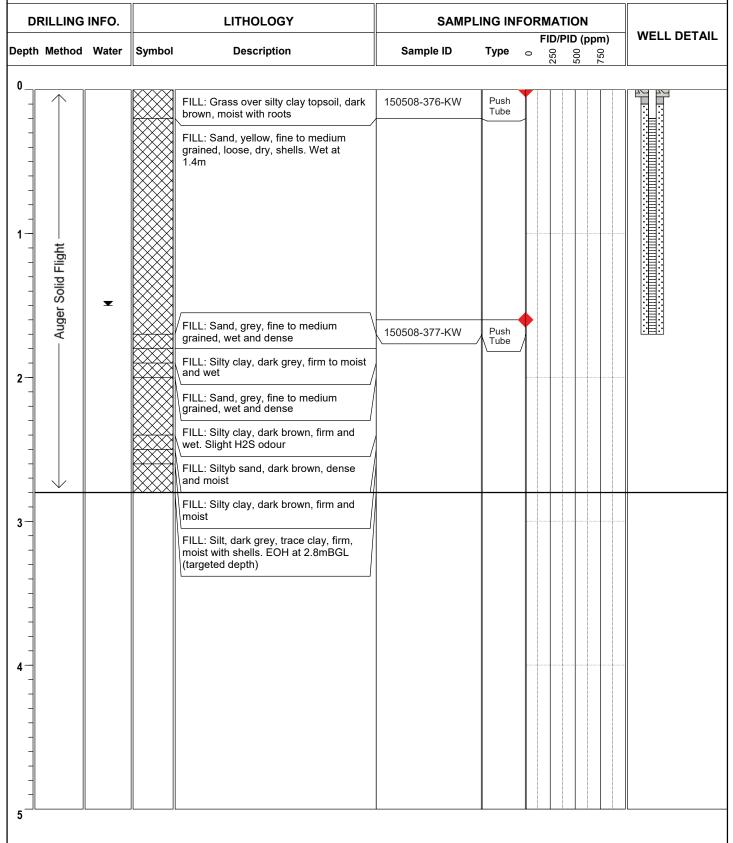
Client:

Elevation: 1.54



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ALG204**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: Jenkins/Weir

Easting: 329892.571

Project: ESA

Client:

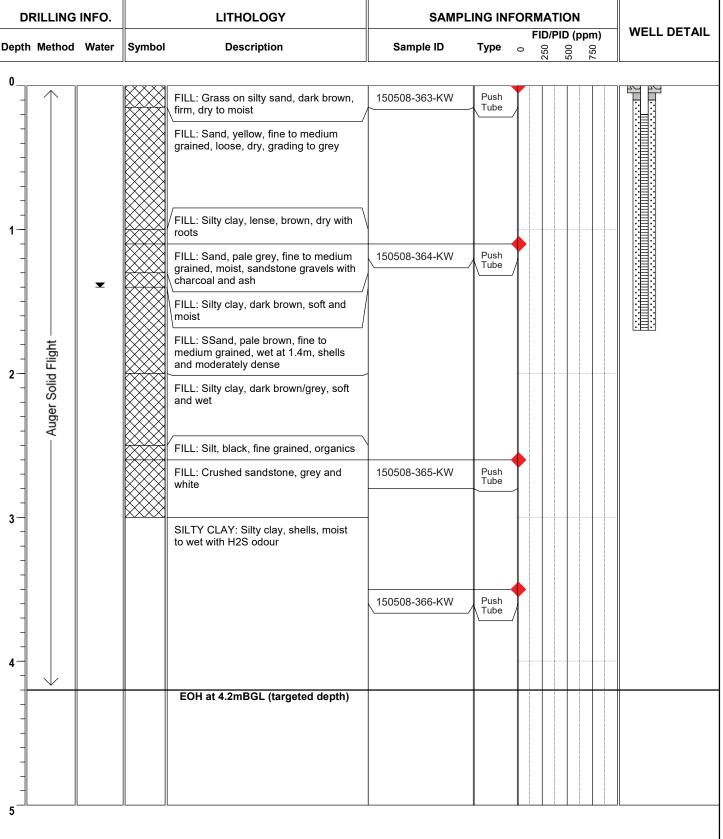
Northing: 6243104.247

Boyd Cooks Cove Elevation: 2.49



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: ALG205**



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 15/05/2008

Date Completed: 15/05/2008

Logged/checked by: Jenkins/Weir

Easting:

329967.076

Project: ESA

Northing: 6243101.231

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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Location:

Drill Model:

Hole Diameter (mm): 75

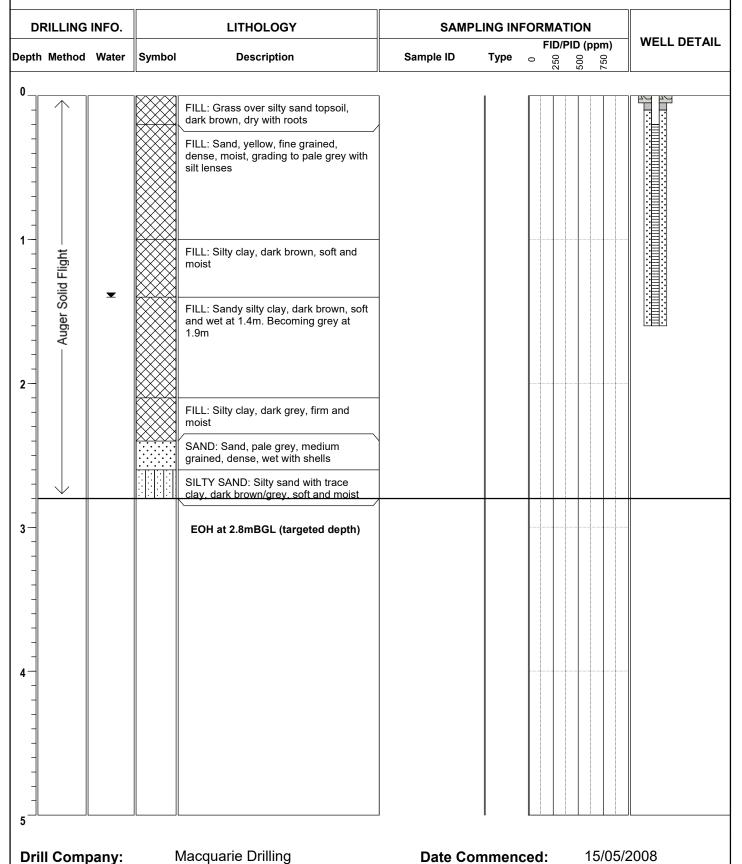
Mac200

Boyd Cooks Cove

Cooks Cove - Area A

Elevation: 1.75

Environmental Log: ALG206



Date Completed:

Logged/checked by:

15/05/2008

Jenkins/Weir

ESA

Project:

Easting: 329456.755

Northing: 6243292.819

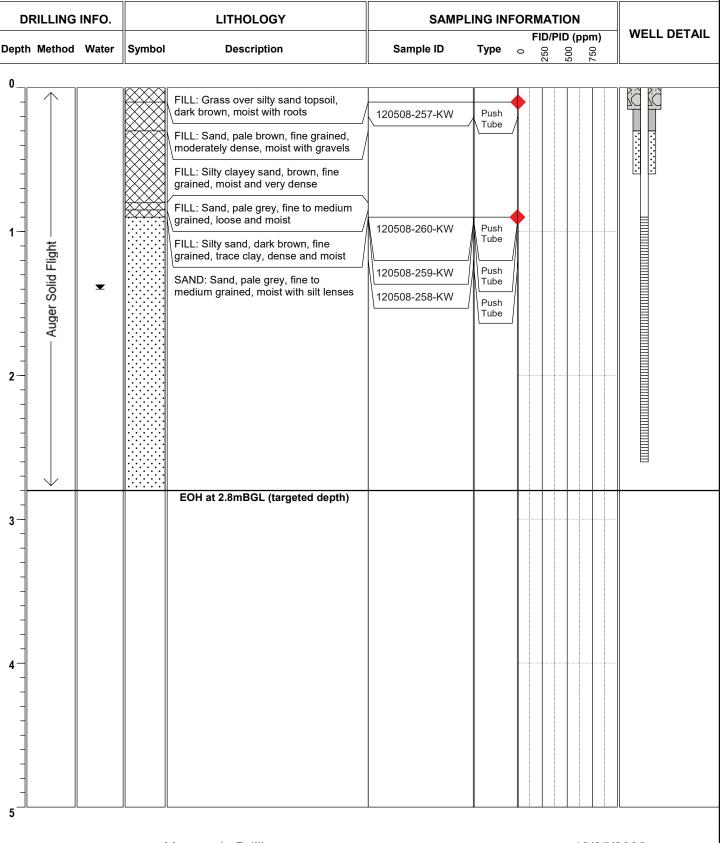
CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cooks Cove Client:

Elevation: 1.15

AMW201 Location: Cooks Cove - Area A **Environmental Log:**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: Jenkins/Weir

ESA

Project:

Drill Model:

Hole Diameter (mm): 75

Mac200

Easting: 329693.146

Elevation: 1.37

Boyd Cooks Cove Client:

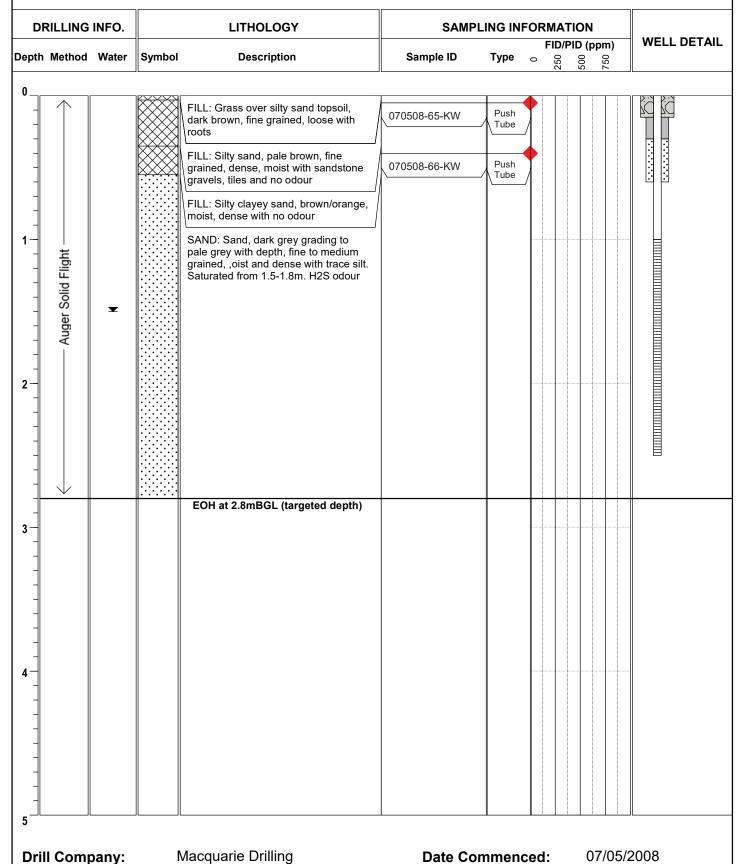
Northing: 6243513.796



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

AMW202 Environmental Log:



Date Completed:

Logged/checked by:

07/05/2008

Jenkins/Weir

Easting: 329961.734

Project:

Northing: 6243611.832

ESA

Drill Model:

Hole Diameter (mm): 75

Mac200

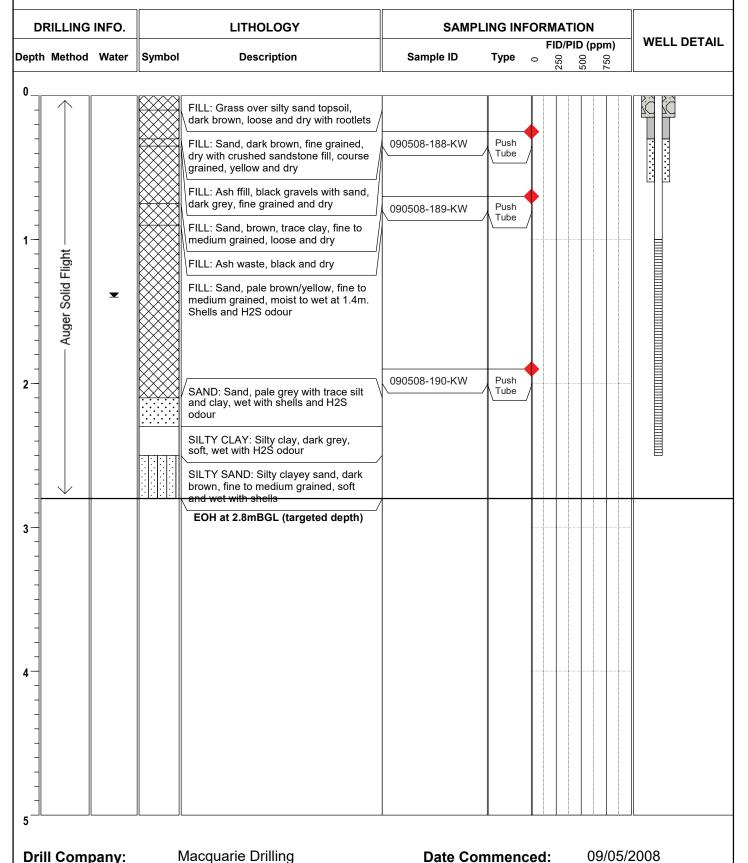
Boyd Cooks Cove Client:

Elevation: 1.97



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: AMW203**



Date Completed:

Logged/checked by:

09/05/2008

Jenkins/Weir

Easting: 329812.026

Project: ESA

Northing: 6243339.925

•

Client:

Elevation: 1.21

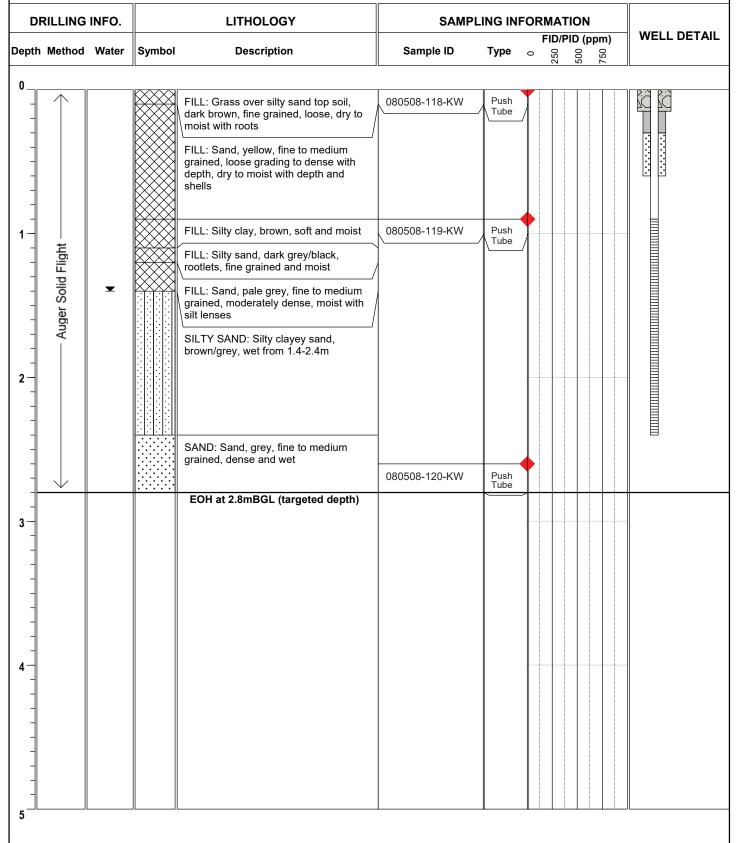


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: AMW204



Drill Company: Macquarie Drilling

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 09/05/2008

Date Completed: 09/05/2008

Logged/checked by: Jenkins/Weir

ESA

Project:

Location:

Easting: 329962.633

Northing: 6243424.415

Elevation: 0.78

Boyd Cooks Cove Client:

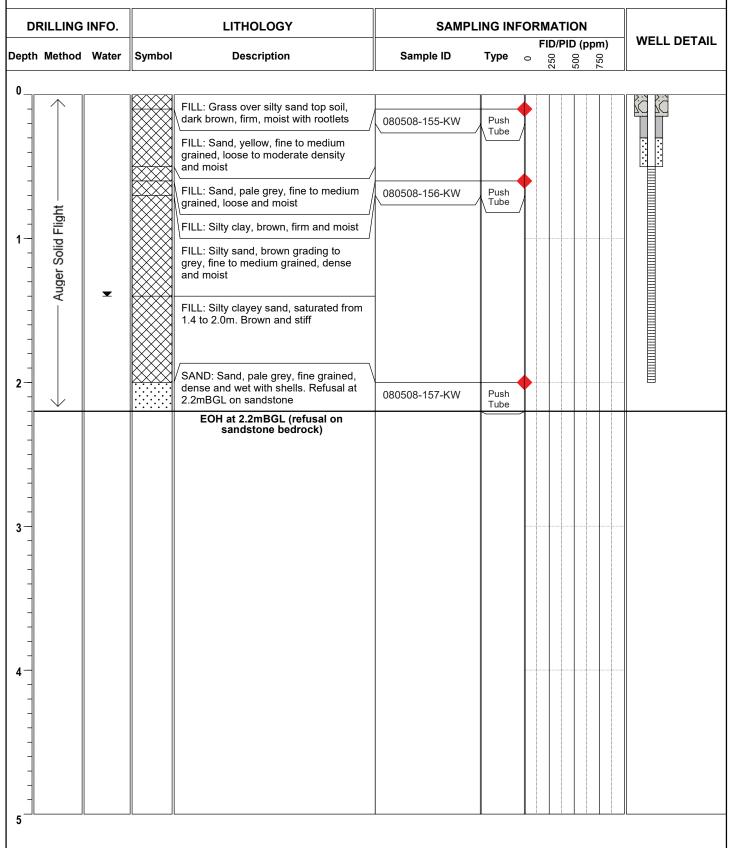
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

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Cooks Cove - Area A

Environmental Log: AMW205



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 08/05/2008

Date Completed: 08/05/2008

Logged/checked by: Jenkins/Weir

Easting: 329965.424

Elevation: 1.80

Project: ESA

Client:

Drill Model:

Hole Diameter (mm): 75

Mac200

Northing: 6243103.057

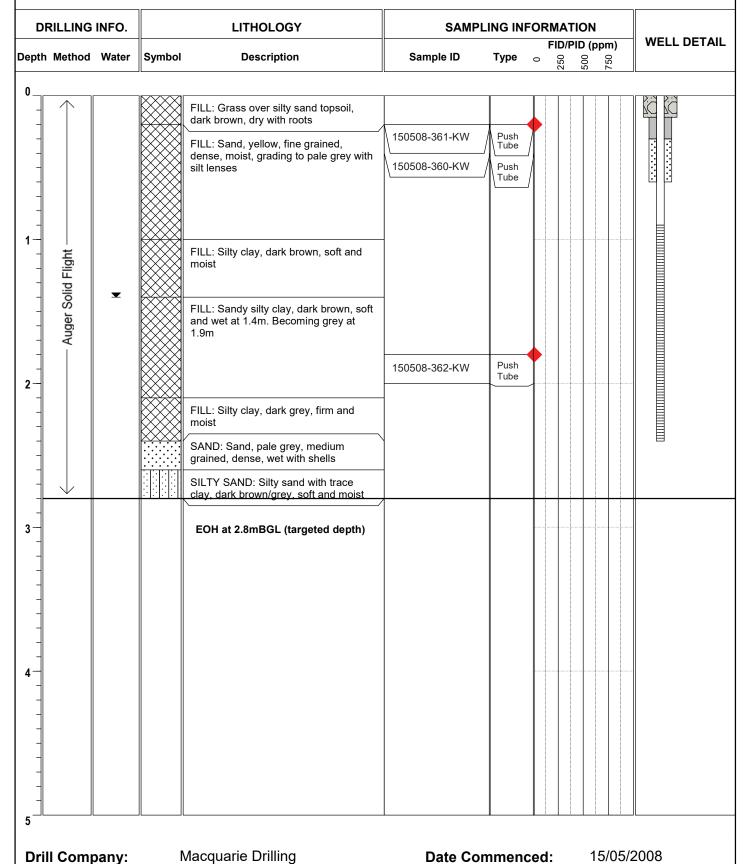


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Boyd Cooks Cove

Environmental Log: AMW206



Date Completed:

Logged/checked by:

15/05/2008

Jenkins/Weir

Boyd Cooks Cove

Easting: 330009.173

Project: ESA

Client:

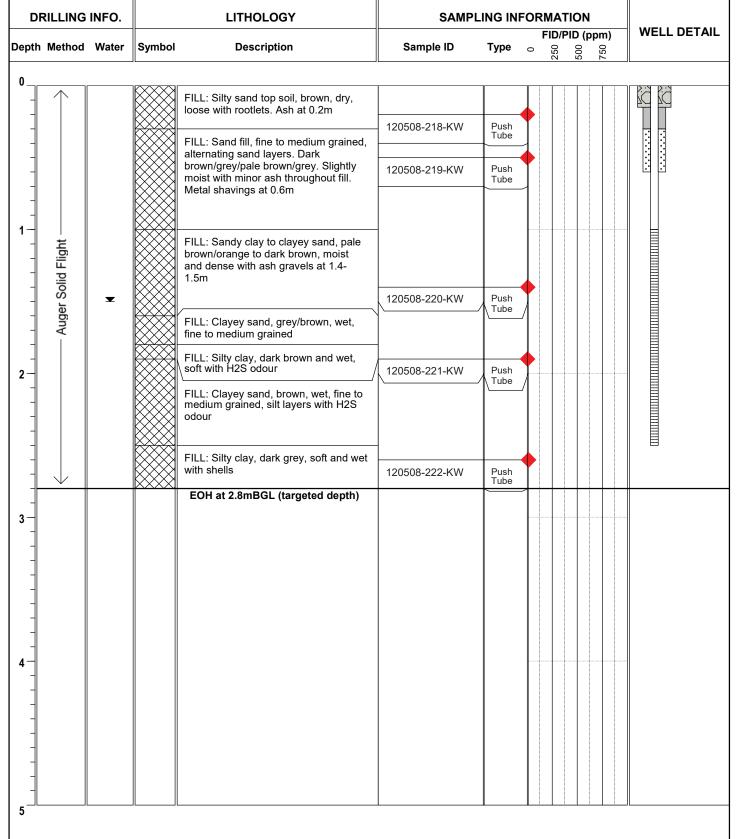
Northing: 6243281.985

Elevation: 1.71



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A **Environmental Log: AMW207**



Macquarie Drilling **Drill Company:**

Drill Model: Mac200

Hole Diameter (mm): 75

Date Commenced: 12/05/2008

Date Completed: 12/05/2008

Logged/checked by: Jenkins/Weir

22000700 200

Boyd Cook Cove

Easting: 6243578.389

Elevation:

329982.604

Cooks Cove Northing:



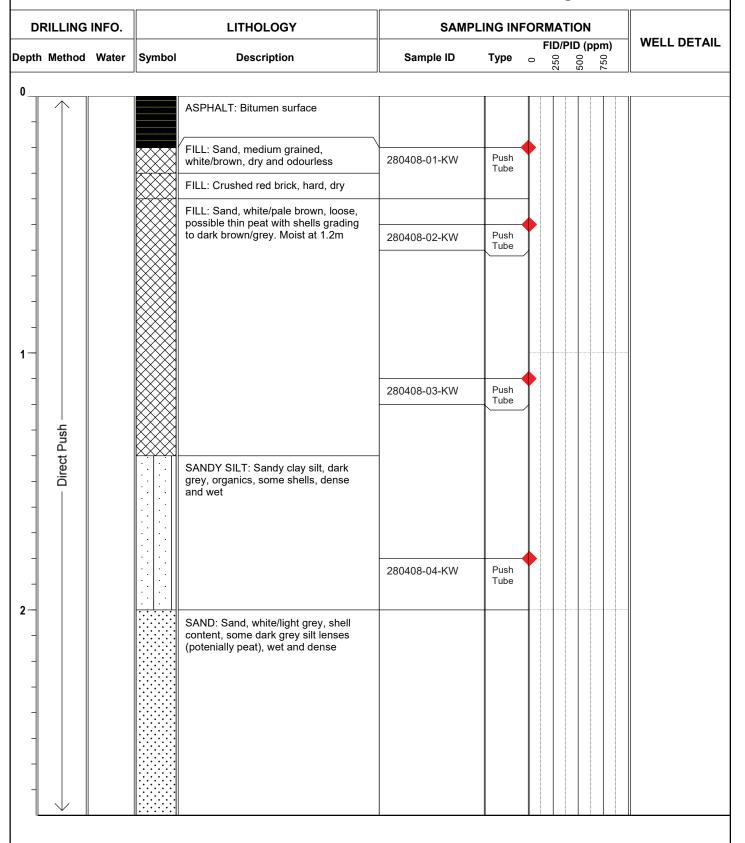
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Project:

Client:

Environmental Log: BBH401



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 28/04/2008

Date Completed: 28/04/2008

Logged/checked by: Jenkins/Weir

DO-DCC Easti

Easting: 6243477.126



EARTH SCIENTISTS

Project: Cooks Cove

Location:

Northing: 330007.791

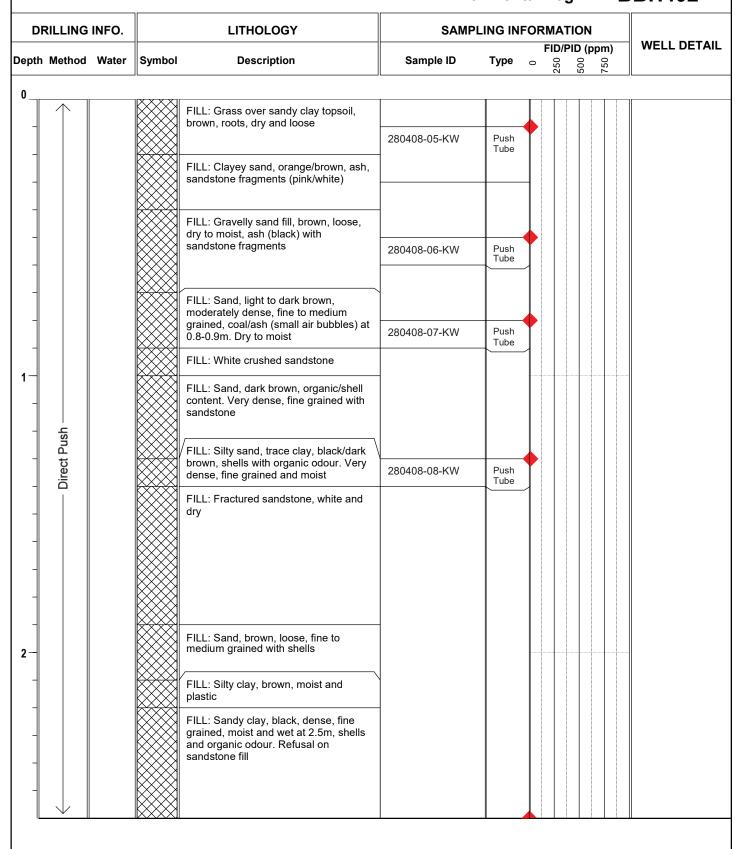
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cook Cove

Cooks Cove

Elevation:

Environmental Log: BBH402



Drill Company: Macquarie Drilling

.

Hole Diameter (mm):

Drill Model:

Date Commenced: 28/04/2008

Date Completed: 28/04/2008

Logged/checked by: Jenkins/Weir

-3030700-BCC

Easting: 6243347.165

Cooks Cove

Northing: 330025.068

Client: Boyd Cook Cove

Project:

.....g. 000020.0

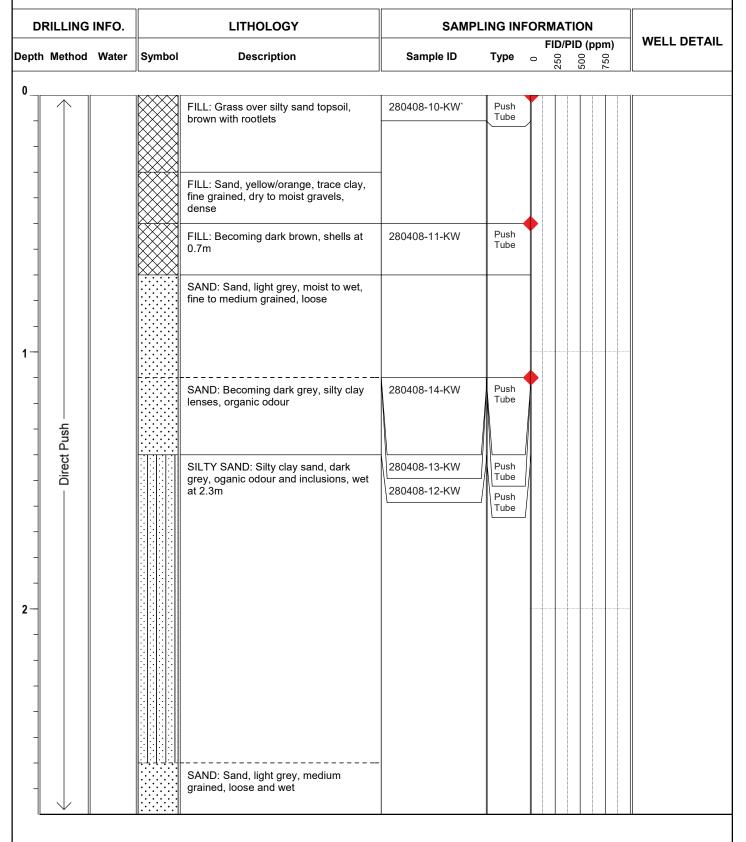
Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH403



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 28/04/2008

Date Completed: 28/04/2008

Logged/checked by: Jenkins/Weir

Easting:

Project: Cooks Cove

Client:

Northing:

6243231.781

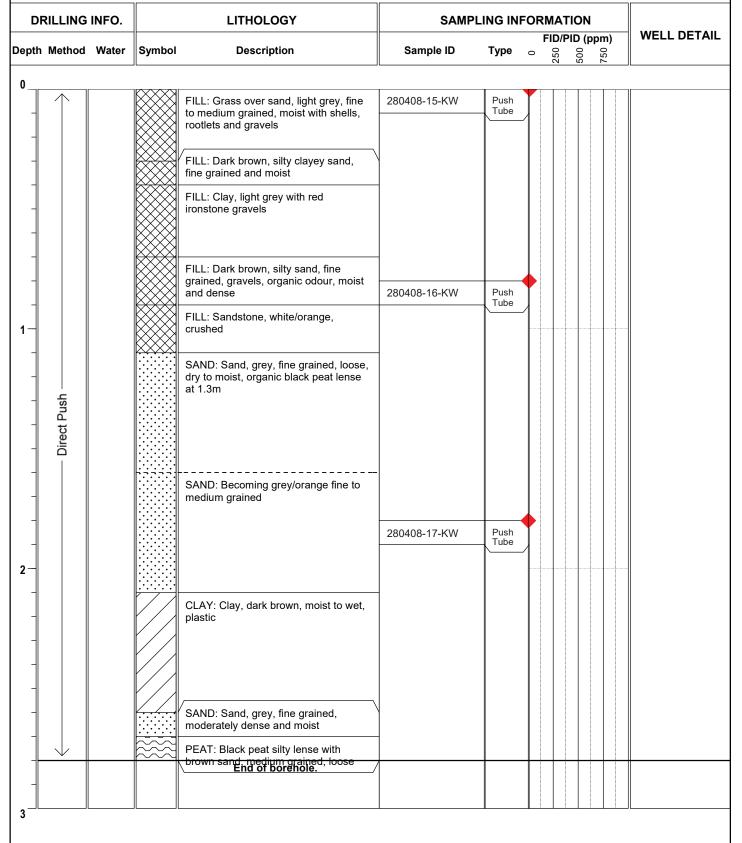
330048.383

Boyd Cook Cove Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BBH404**



Macquarie Drilling **Drill Company:**

Drill Model:

Hole Diameter (mm):

28/04/2008 **Date Commenced:**

Date Completed: 28/04/2008

Logged/checked by: Jenkins/Weir

Cooks Cove

Easting: 6243245.671

Northing: 329381.599

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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cook Cove

Project:

Elevation:

Location: Cooks Cove Environmental Log: BBH405

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				
			.	Donasti ti		_	FID/I	PID (ppm)	WELL DETAIL
eptn	Method	Water	Symbol	Description	Sample ID	Type o	250	500	
0									
				FILL: Grass over fill comprising clayey sand, orange/brown, medium to coarse grained, dry to moist, gravels and rootlets	290408-48-KW	Hand Auger			
				FILL: Crushed sandstone fill, white/brown/orange, coarse grained, moist to dry, minor black bitumen gravels. Refusal on fill					
	Direct Push ———								
-									
					290408-49-KW	Hand Auger			

Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 28/04/2008

Date Completed: 28/04/2008

Logged/checked by: Jenkins/Weir

00700-BCC

Easting: 6243252.022

Project: Cooks Cove

Northing: 329429.637

Client:

Boyd Cook Cove

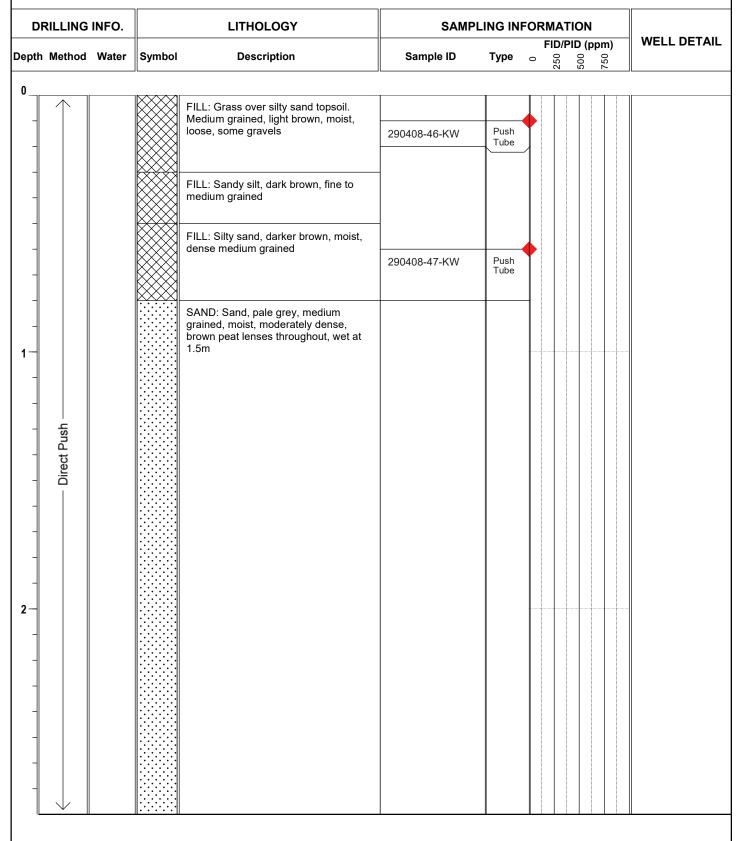
Elevation:

CONSULTING EARTH SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH406



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 29/04/2008

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Easting: 6243213.42

Elevation:

Project: Cooks Cove Northing: 329440.547

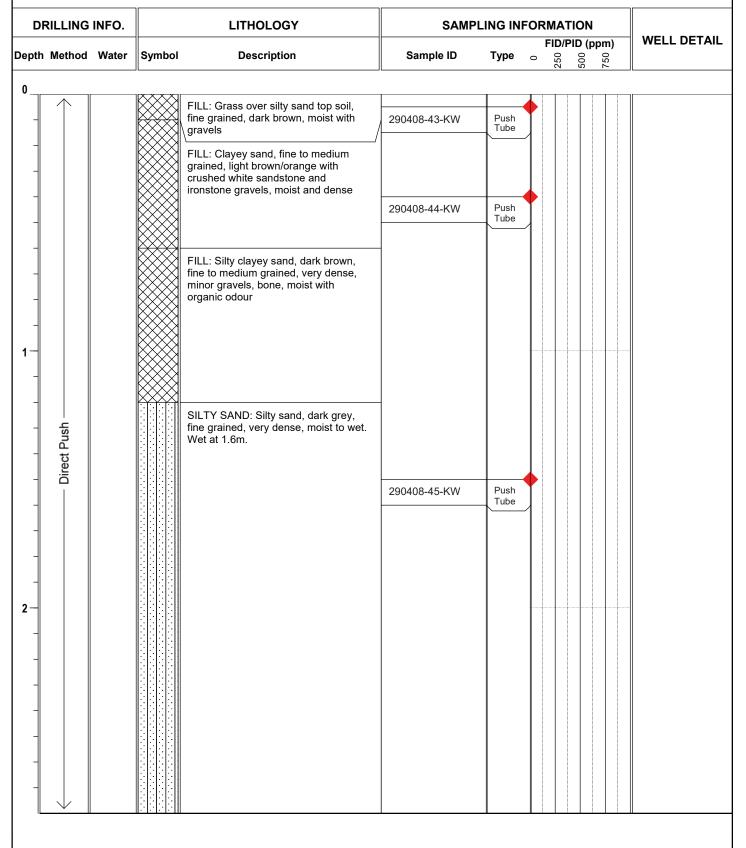
Boyd Cook Cove Client:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

BBH407 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

29/04/2008 **Date Commenced:**

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Easting:

6243233.644

Project: Cooks Cove

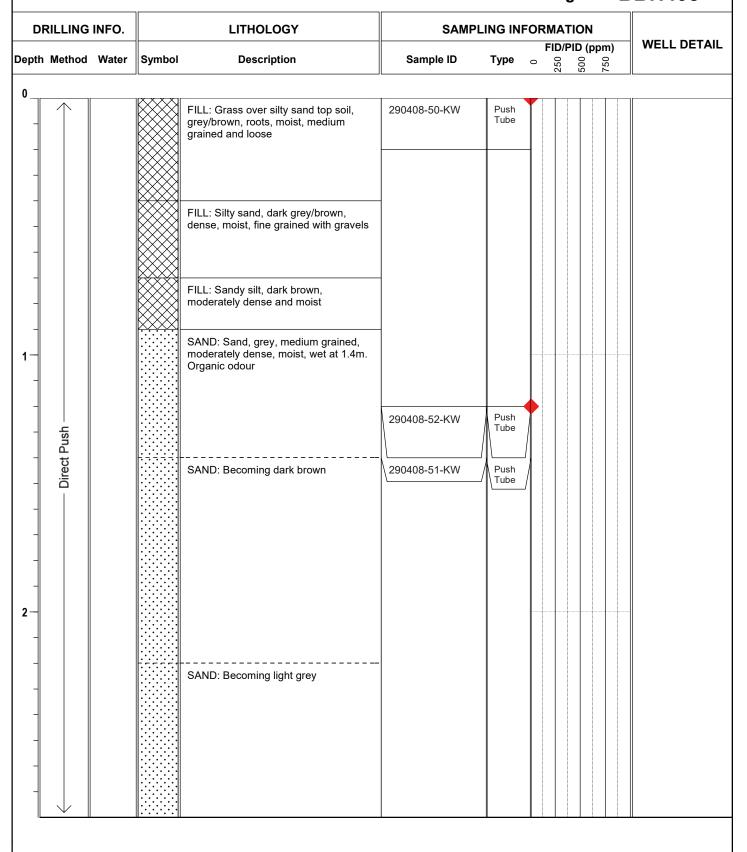
Northing: 329503.188 CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove Client:

Elevation:

Location: Cooks Cove **BBH408 Environmental Log:**



Drill Company: Macquarie Drilling

29/04/2008

Drill Model:

Date Completed:

Date Commenced:

29/04/2008

Hole Diameter (mm):

Logged/checked by:

Jenkins/Weir

Boyd Cook Cove

Easting:

Elevation:

6243181.502

Project:

Client:

329480.958

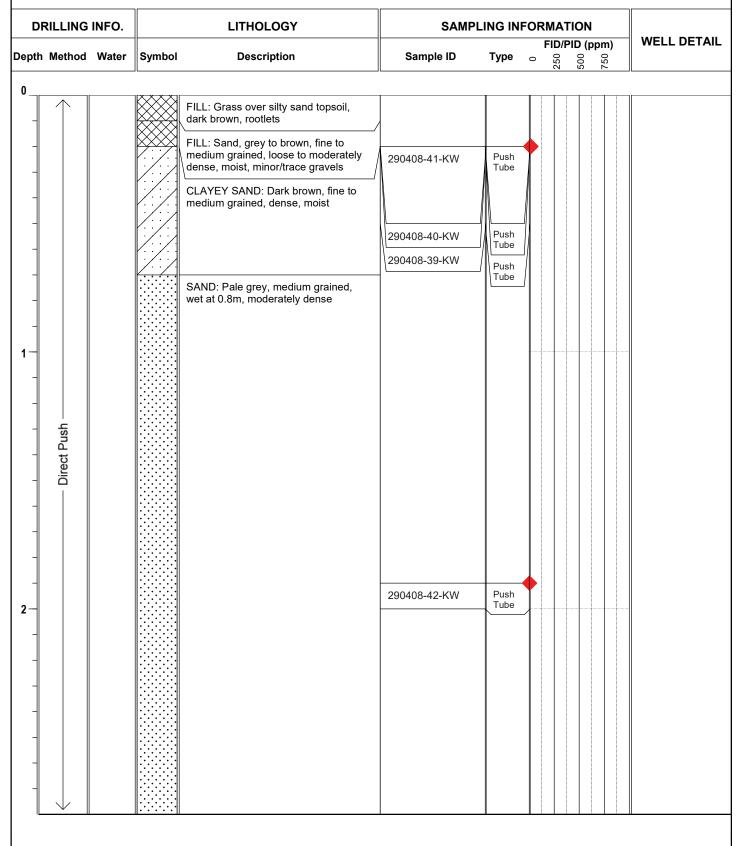
Northing: Cooks Cove



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

BBH409 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

29/04/2008 **Date Commenced:**

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

D0700-DCC Ea

Easting: 6243199.687

Elevation:

Project: Cooks Cove

Client:

Northing: 329560.807

60.807

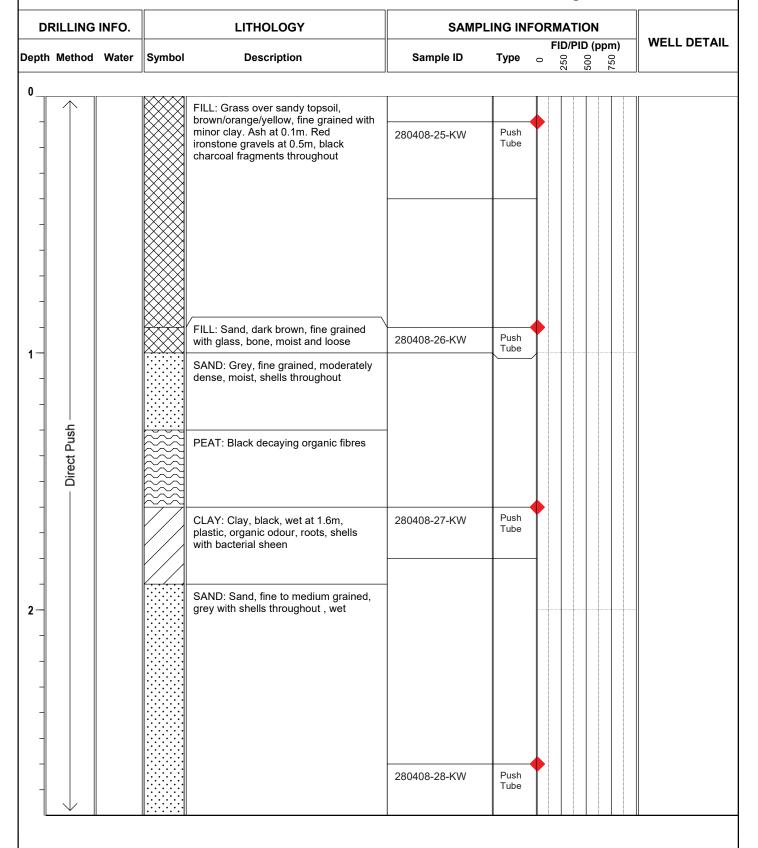


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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH410



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 29/04/2008

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

020007.00 200

Boyd Cook Cove

Easting: 6243134.049

Project: Cooks Cove

Client:

Northing: 329478.399

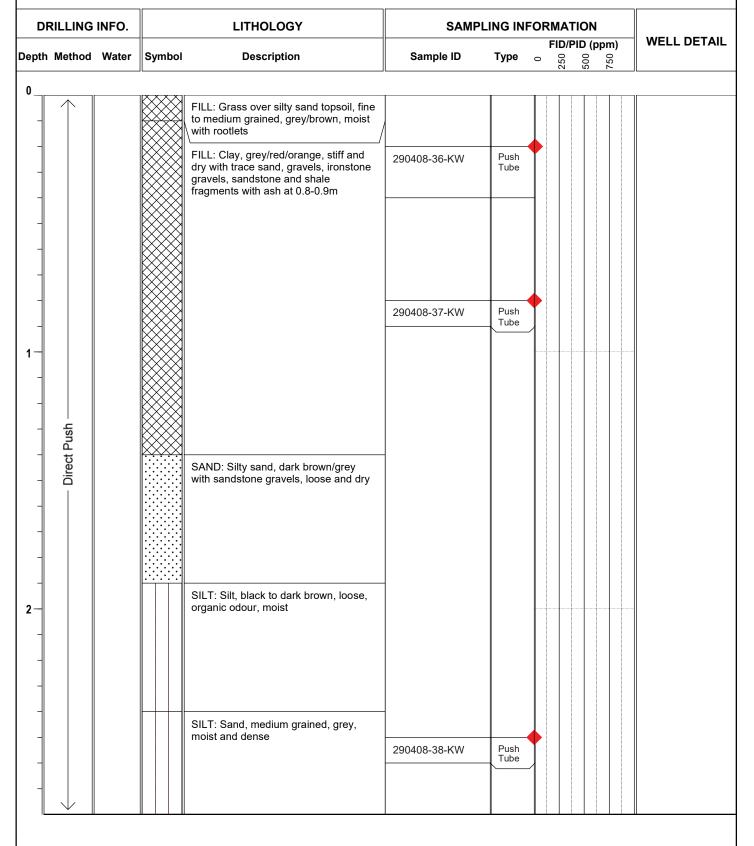
Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH411



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 29/04/2008

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6243161.139

Project: Cooks Cove

Client:

Northing:

Elevation:

329551.915

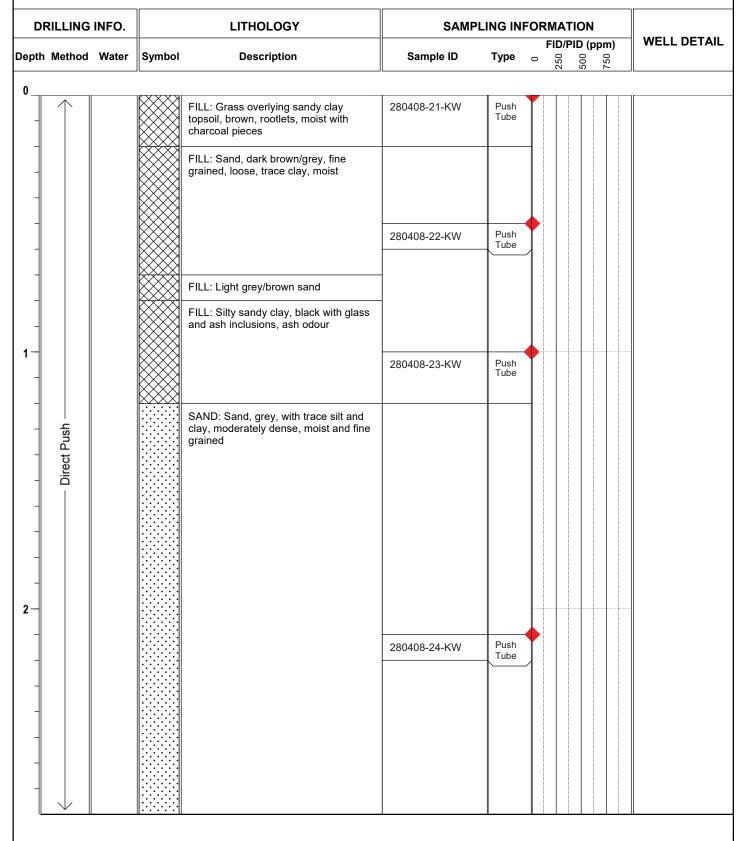
SCIENTIS TS Jones Bay Wharf 19-21, Lower Level Suite 121

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove

BBH412 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

29/04/2008 **Date Commenced:**

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Easting:

6243127.577

Project: Cooks Cove

Location:

Northing: 329632.103



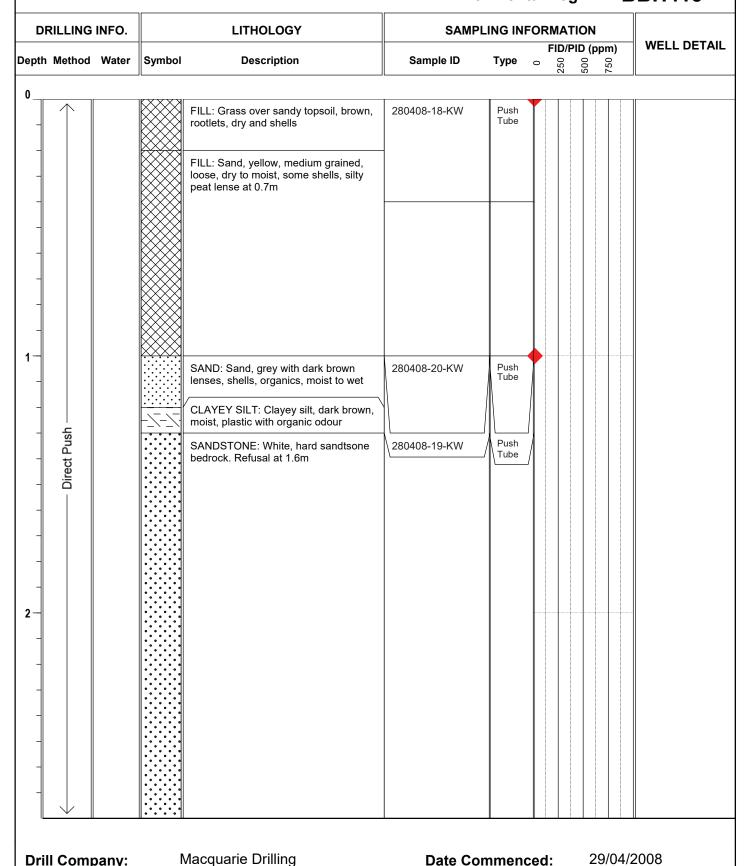
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove Client:

Cooks Cove

Elevation:

BBH413 Environmental Log:



Macquarie Drilling **Drill Company:**

29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by:

Jenkins/Weir

Easting: 6243132.138

Elevation:

Project: Cooks Cove

Client:

Location:

Northing: 329689.226



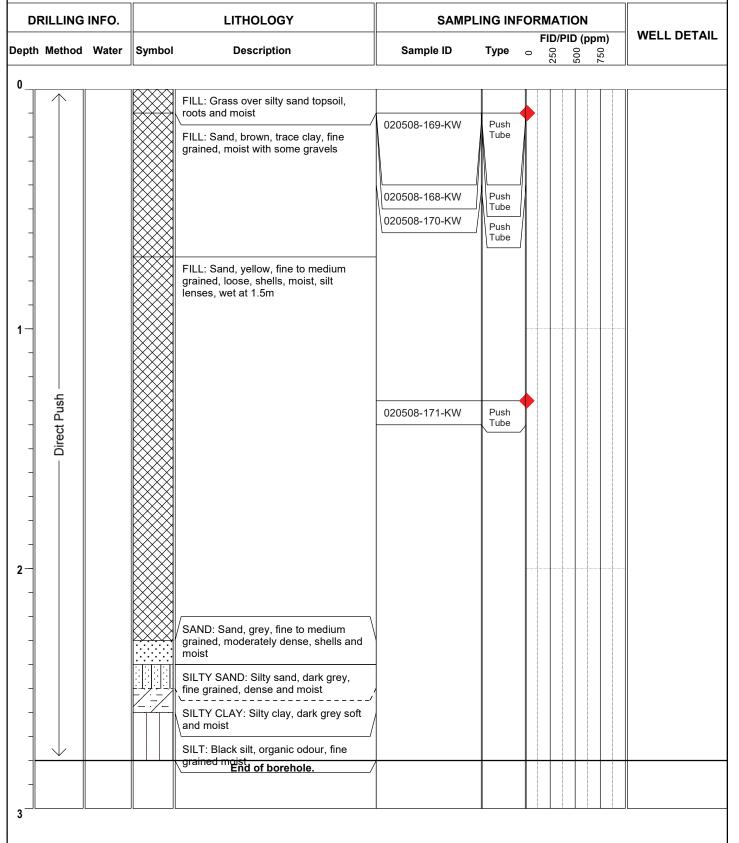
CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove

Cooks Cove

BBH414 Environmental Log:



Drill Company:

Macquarie Drilling

Date Completed:

Date Commenced:

02/05/2008

Jenkins/Weir

Drill Model:

02/05/2008

Hole Diameter (mm):

Logged/checked by:

Boyd Cook Cove

Easting:

6243127.487

Project: Cooks Cove

Client:

Northing: 330037.091

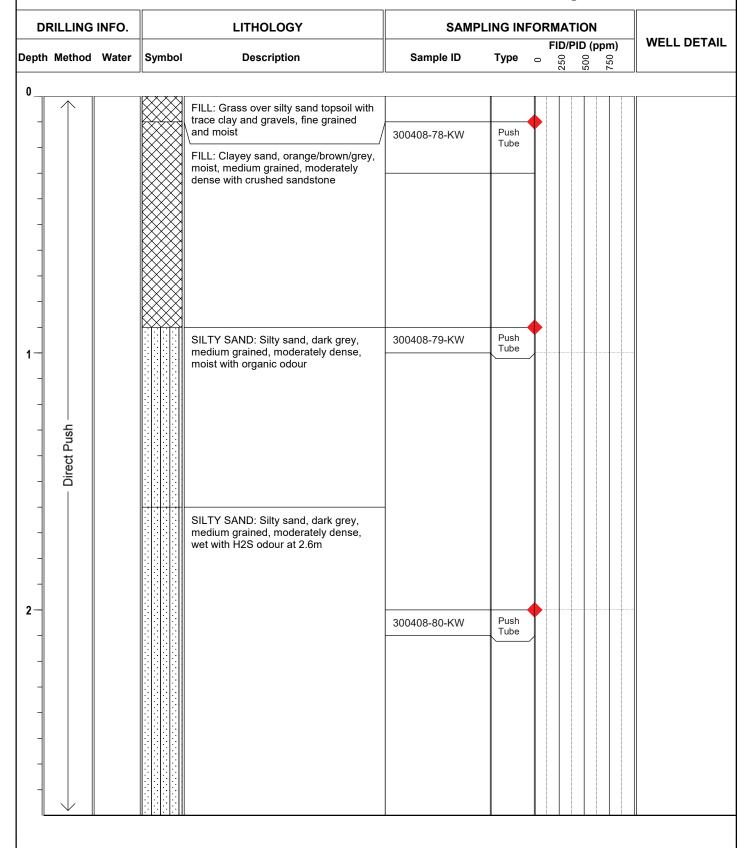
Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

BBH415 Environmental Log:



Drill Company:

Macquarie Drilling

30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by:

Date Commenced:

Jenkins/Weir Sheet: 1 of 1

Project:

Cooks Cove

Easting:

6243103.394

329558.472

CONSULTING SCIENTIS TS

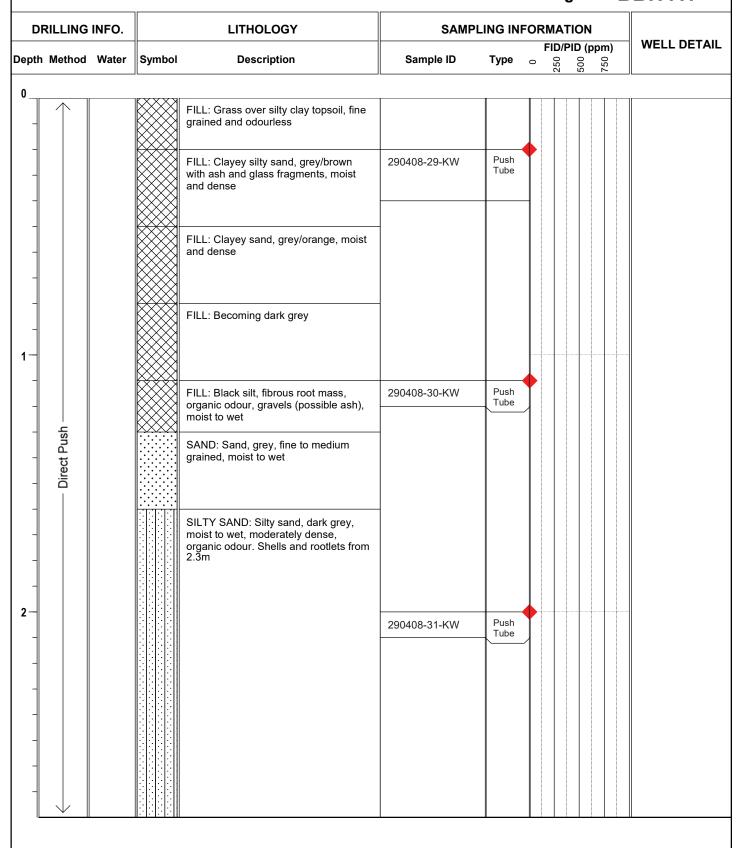
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove Client:

Elevation:

Northing:

Location: Cooks Cove **BBH417 Environmental Log:**



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

29/04/2008 **Date Commenced:**

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Easting:

6243065.891

Project:

Cooks Cove

Northing: 329619.808

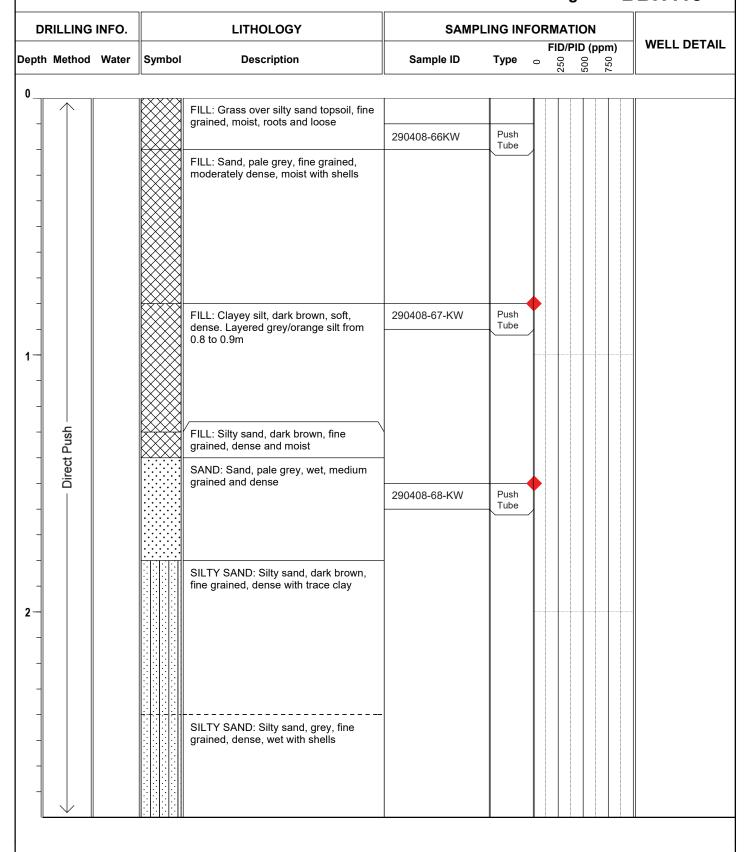
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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove Environmental Log: BBH418



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 29/04/2008

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Easting: 6243081.721

Project: Cooks Cove Northing: 329679.285

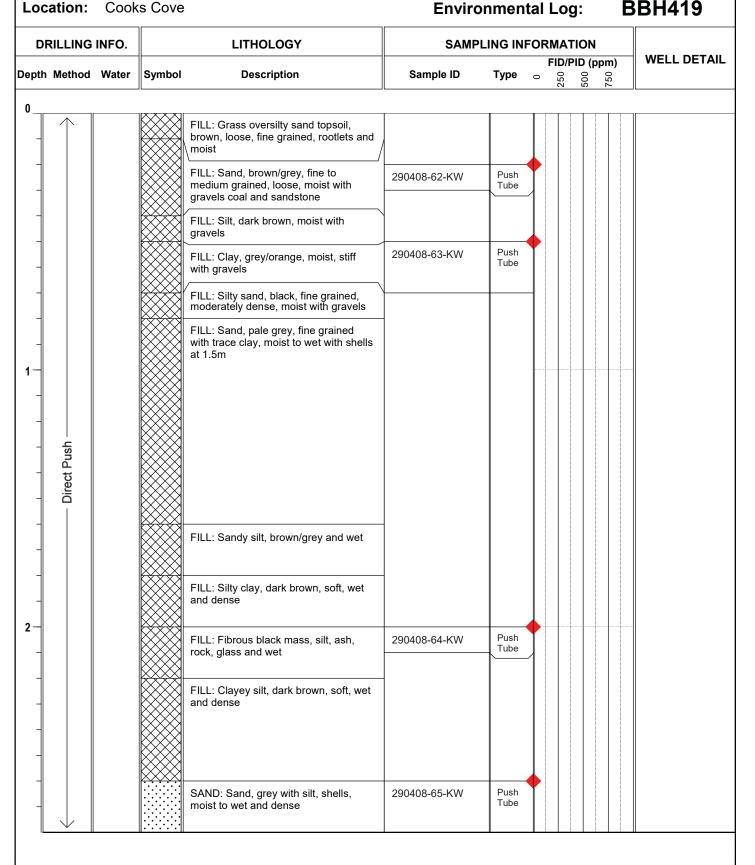
CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove Client:

Elevation:

Environmental Log: BBH419



Macquarie Drilling **Drill Company:**

Hole Diameter (mm):

Drill Model:

29/04/2008 **Date Commenced:**

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6243090.111

Project: Cooks Cove Northing: 329732.258

Elevation:

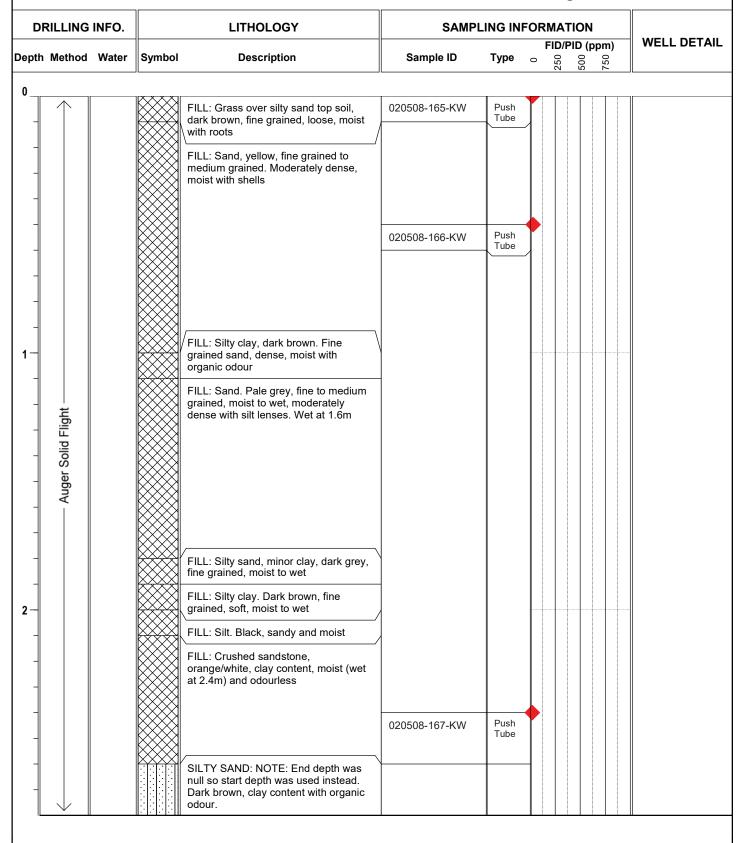
CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Client:

Environmental Log: BBH420



Macquarie Drilling **Drill Company:**

Hole Diameter (mm): 75

Drill Model:

02/05/2008 **Date Commenced:**

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

02000.00200

Easting: 6243083.702

Project: Co

Client:

Cooks Cove

Boyd Cook Cove

Northing: 329934.986

Elevation:

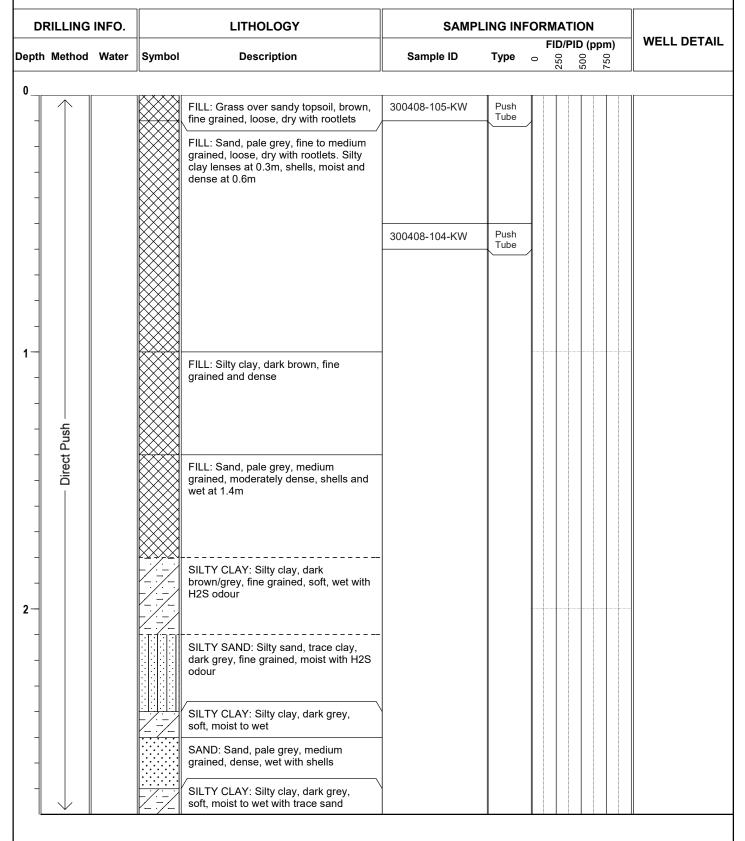
36

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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH421



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 30/04/2008

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Easting:

6243065.802

Project:

Client:

Cooks Cove

Boyd Cook Cove

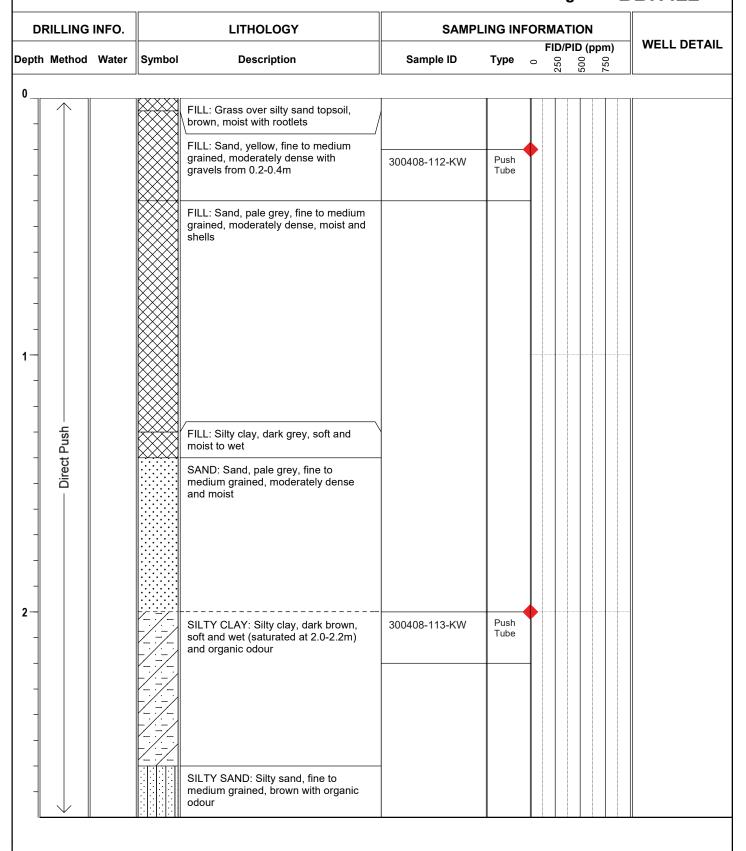
Northing: 329981.096



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Elevation:**

BBH422 Environmental Log:



Drill Company:

Macquarie Drilling

30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by:

Date Commenced:

Jenkins/Weir

Boyd Cook Cove

Easting: 6243077.14

Project: Cooks Cove

Northing: 330027.905

rioject. Coor

Client:

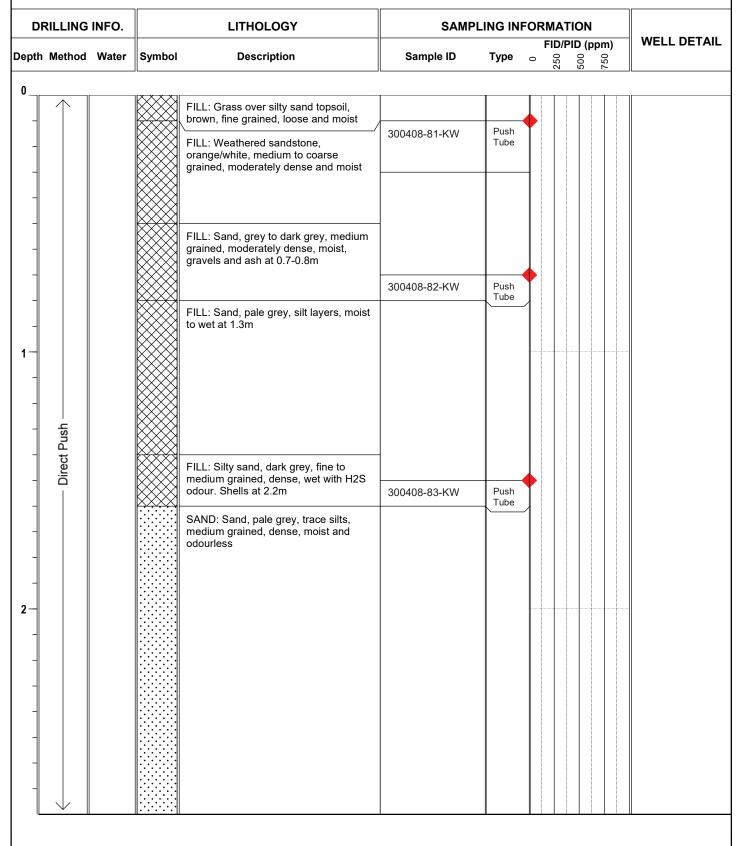
Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH423



Drill Company: M

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 30/04/2008

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Easting: 6243018.161

Elevation:

Project: Cooks Cove Northing:

Boyd Cook Cove Client:

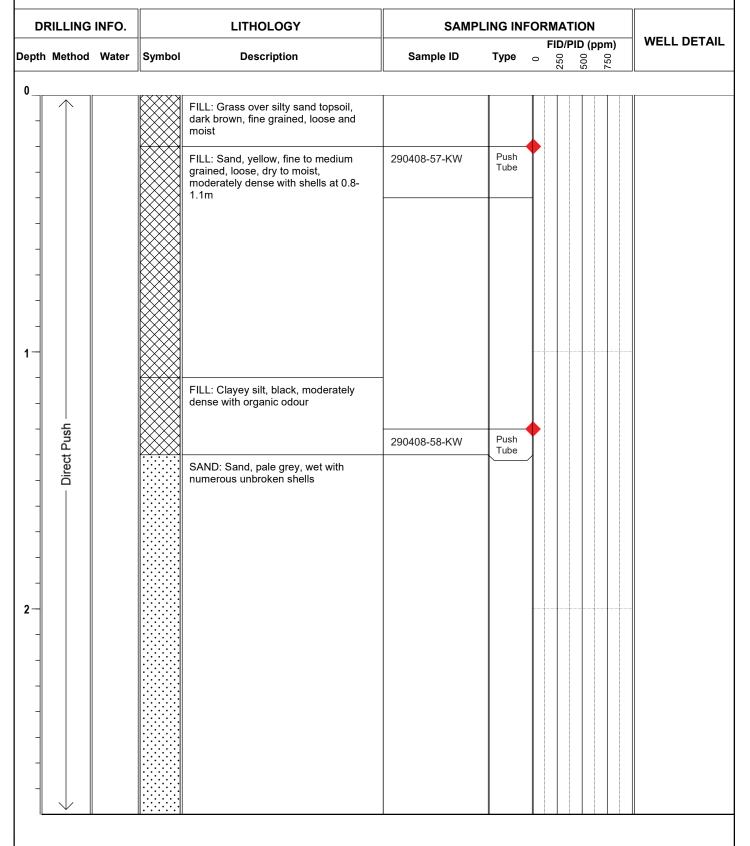
329618.635



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

BBH425 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 29/04/2008

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Easting:

6243029.629

Project:

Location:

Cooks Cove

Cooks Cove

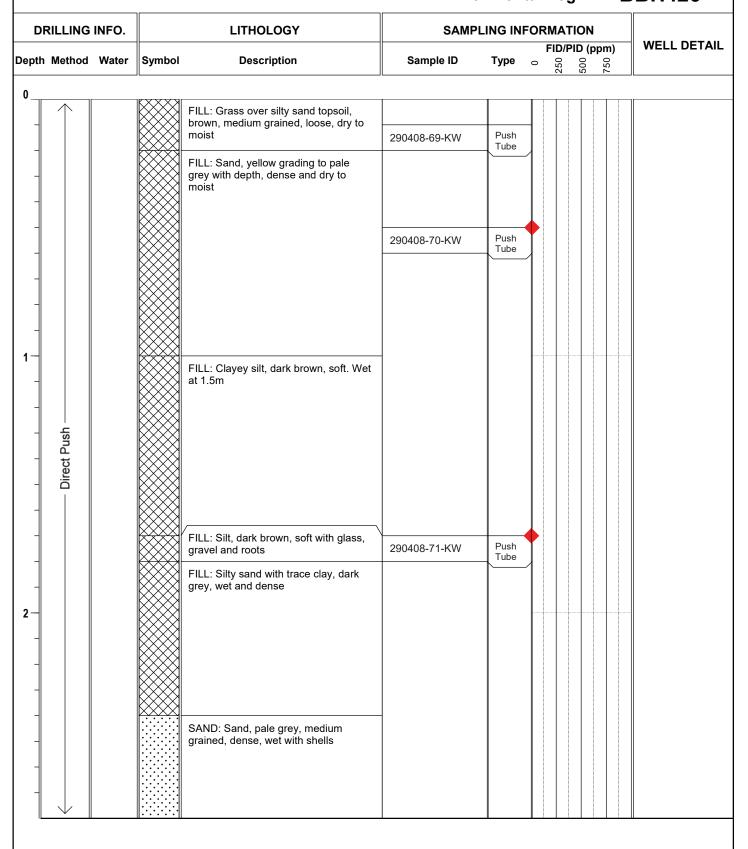
Northing: 329677.034 CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove Client:

Elevation:

BBH426 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

29/04/2008

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by:

Date Commenced:

Jenkins/Weir Sheet: 1 of 1

Cooks Cove

Easting: 6243015.816

Northing:

329761.281



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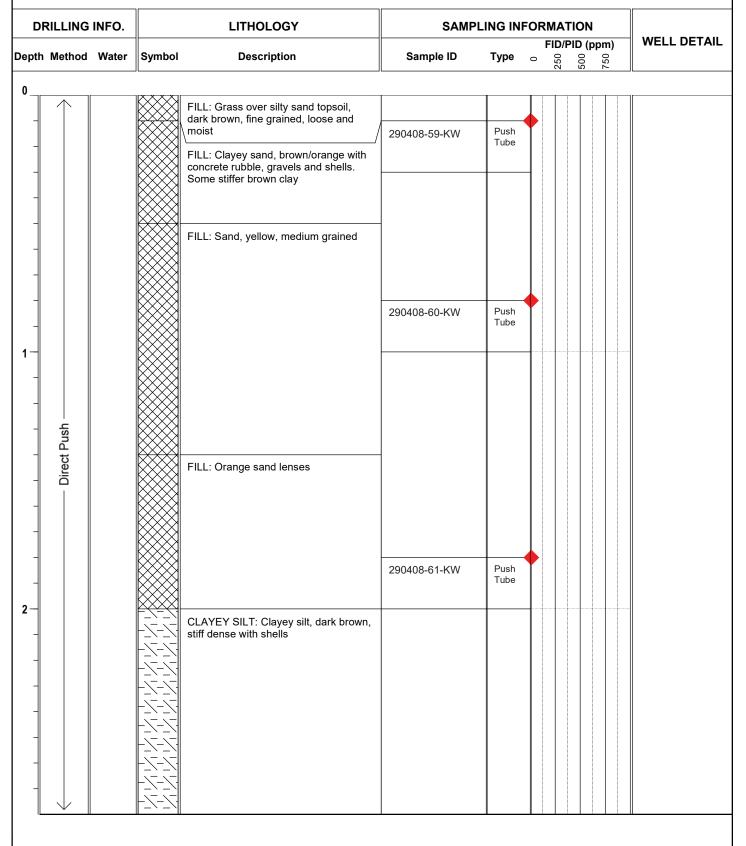
Client: Boyd Cook Cove Elevation:

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Project:

Environmental Log: BBH427



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 29/04/2008

Date Completed: 29/04/2008

Logged/checked by: Jenkins/Weir

Easting: 6243055.224

Cooks Cove

Boyd Cook Cove

Northing: 329789.882

Elevation:

SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

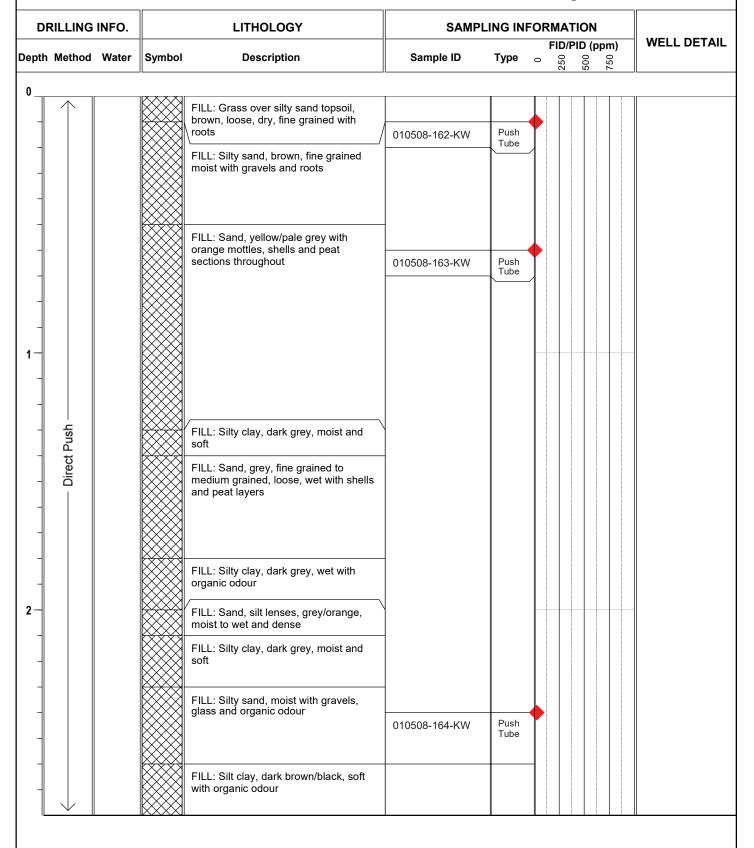
CONSULTING

Location: Cooks Cove

Project:

Client:

Environmental Log: BBH428



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Cooks Cove

Easting: 6243040.823

329870.154

Boyd Cook Cove Client:

Project:

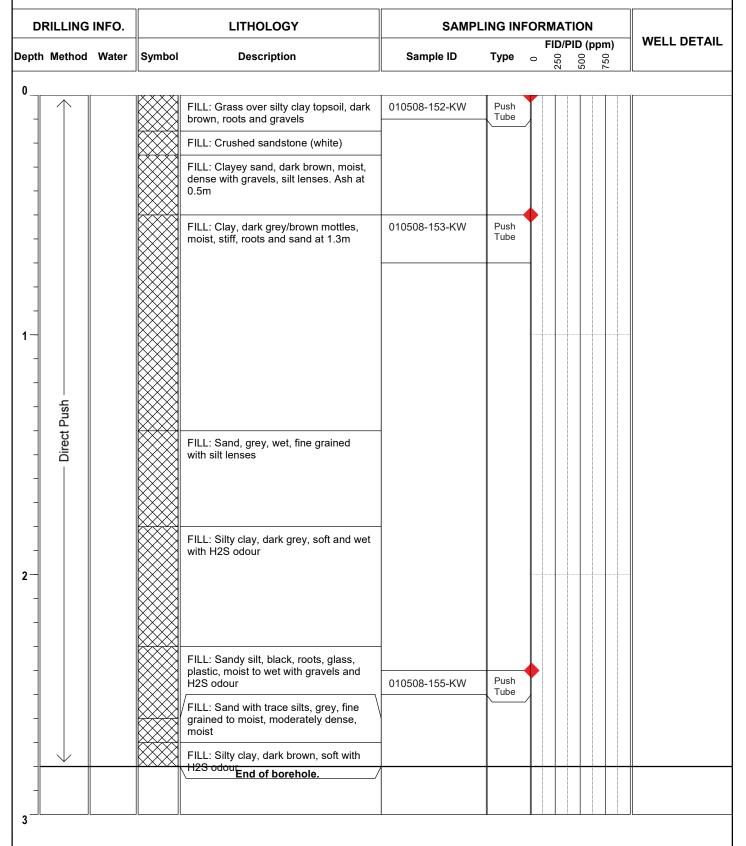
Northing:

Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BBH429**



Drill Company:

Macquarie Drilling

Date Commenced:

01/05/2008

Drill Model:

Date Completed:

01/05/2008

Hole Diameter (mm):

Logged/checked by:

Jenkins/Weir

Boyd Cook Cove

Easting: 6243044.653

Elevation:

Project:

Client:

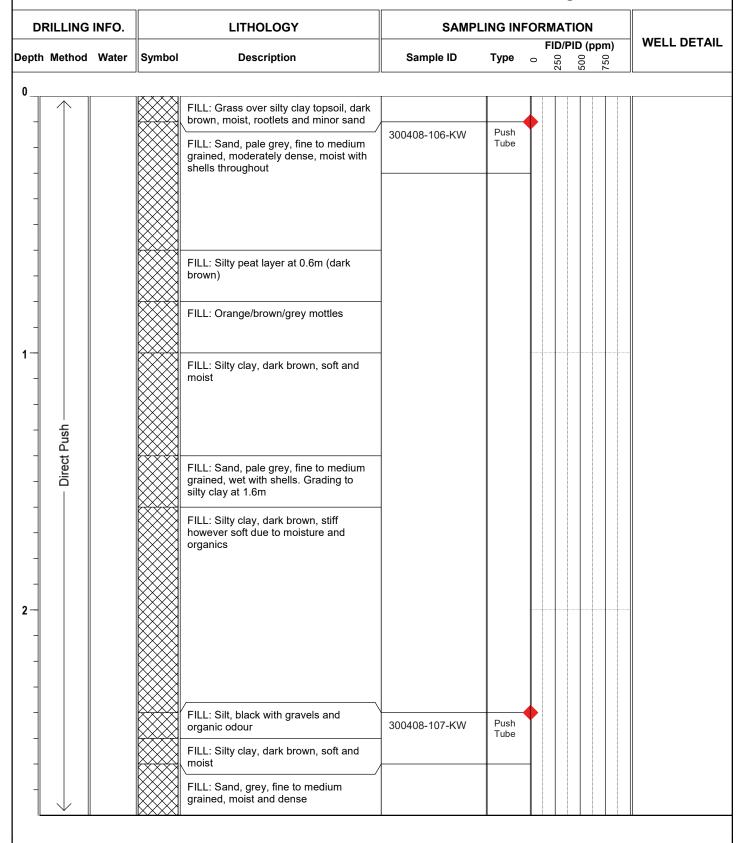
329936.013

Northing: Cooks Cove



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BBH430**



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

30/04/2008 **Date Commenced:**

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Easting:

Elevation:

6243011.033

Project:

Client:

Cooks Cove

Boyd Cook Cove

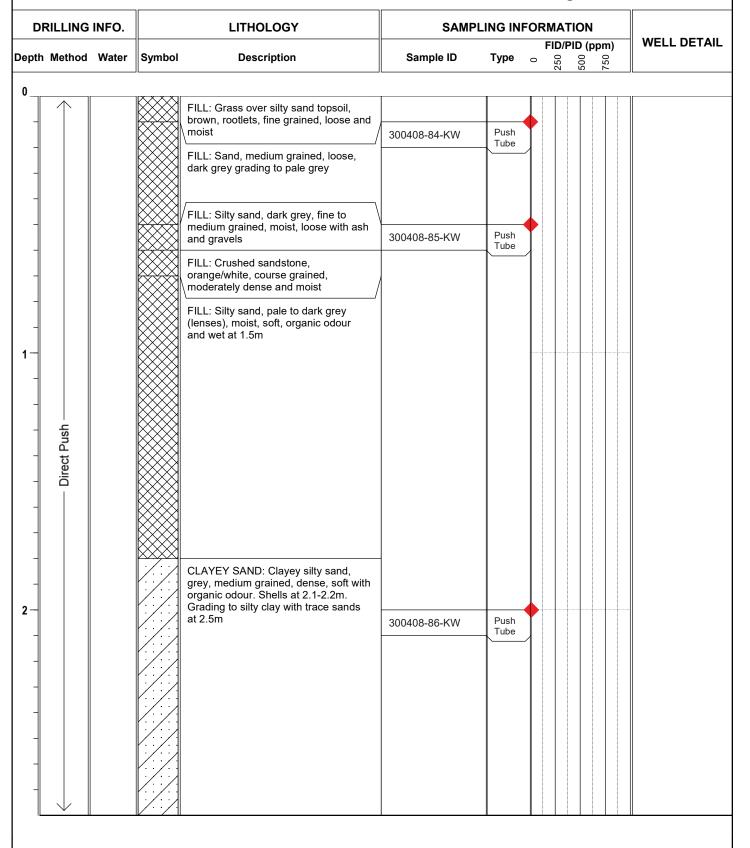
Northing: 329810.103

CONSULTING EARTH SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH431



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 30/04/2008

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6243019.116

Cooks Cove

Northing:

Elevation:

Project:

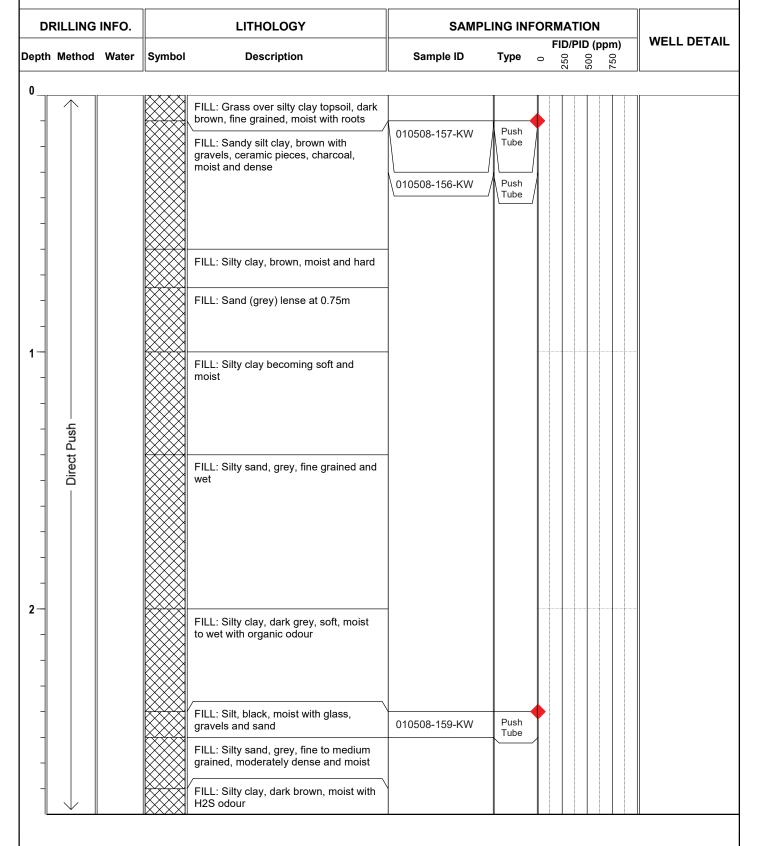
Client:

329848.468



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BBH433**



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

01/05/2008 **Date Commenced:**

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Easting:

6243005.174

Location:

Project: Cooks Cove **Northing:** 329919.656



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove Client:

Cooks Cove

Elevation:

BBH434 Environmental Log:

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				
Depth	Method	Water	Symbol	Description	Sample ID	Туре	0 FID/	PID (ppm) 200 (ppm)	WELL DETAIL
0_	\uparrow			FILL: Grass over sandy topsoil, dark brown, loose, dry to moist, rootlets with trace clays	300408-108-KW	Push Tube			
-				FILL: Sand, yellow, fine to medium grained, concrete rubble and gravels at 0.4m. Ironstone gravels at 0.8m					
-					300408-109-KW	Push Tube			
1-									
-	Direct Push			FILL: Sand, grey, fine to medium grained, moderately dense, moist with shells					
	— Direc			FILL: Sand yellow, fine to medium grained, dense, wet with shells throughout					
2-				FILL: Sand, grey, fine to medium grained, dense, wet grading to moist at 1.9m, Increasing clay content with depth					
_				FILL: Clayey sand, grey, fine to medium grained and moist					
-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			FILL: Silty clay, dark brown/grey, moist, soft grading to stiff with depth					

Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

01/05/2008 **Date Commenced:**

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6243031.649

Cooks Cove

Northing: 329978.796

Elevation:

Project:

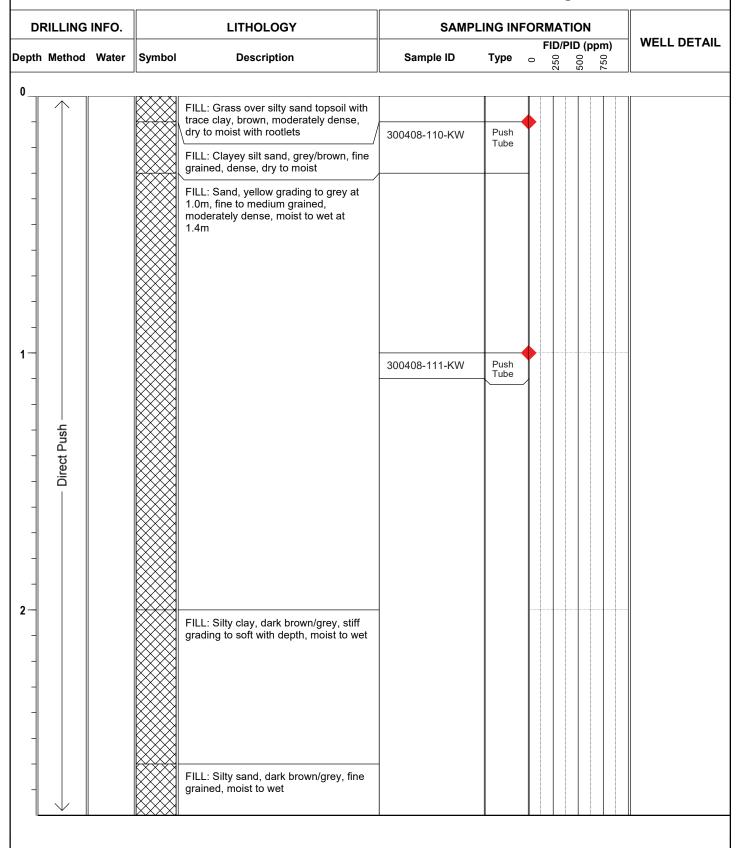
Client:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

BBH435 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

01/05/2008 **Date Commenced:**

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6242995.182

Project: Cooks Cove

Client:

Northing: 330012.116

_

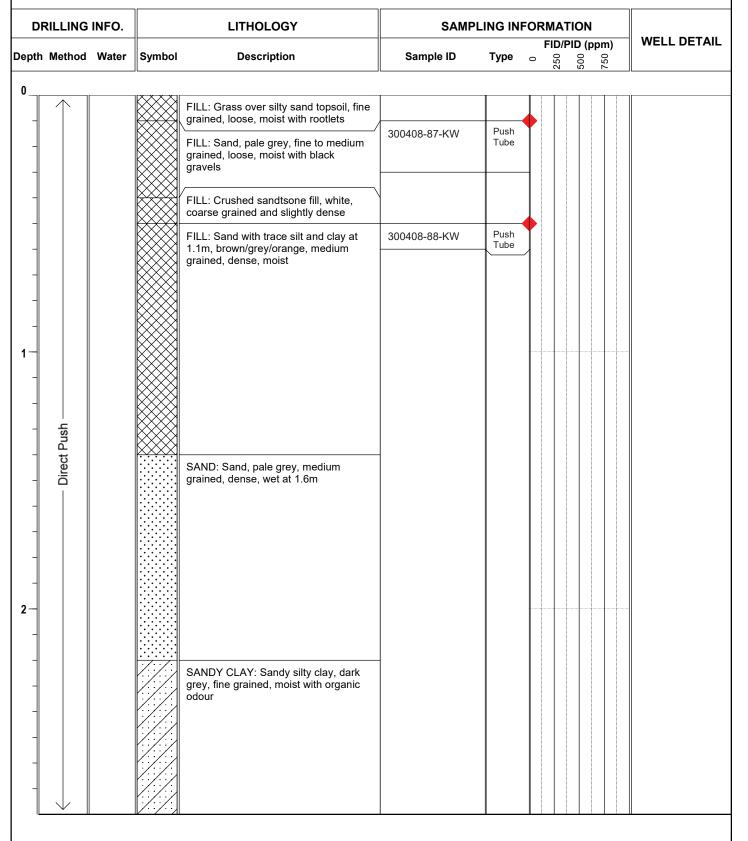
Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH436



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 30/04/2008

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6242976.331

Cooks Cove

Elevation:

Project:

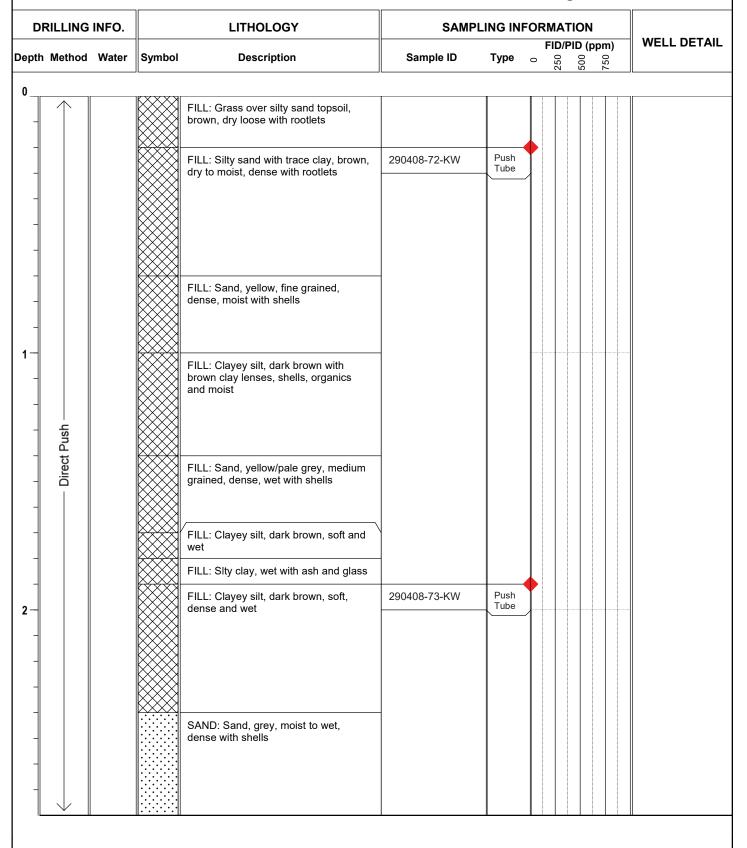
Client:

Northing: 329674.761



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BBH438**



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

30/04/2008 **Date Commenced:**

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Project:

Client:

CL3030700-BCC

Easting: 6242962.433

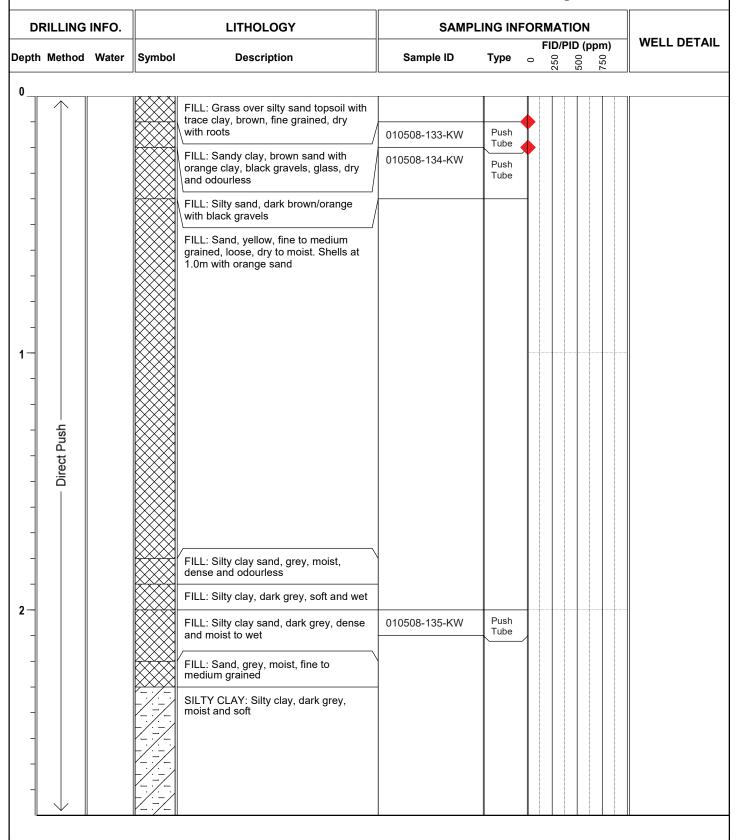
Cooks Cove Northing: 329755.357

Boyd Cook Cove Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove Environmental Log: BBH439



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 30/04/2008

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

BCC Easting:

Easting: 6242967.601

EARTH SCIENTISTS

Northing: 329806.411

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

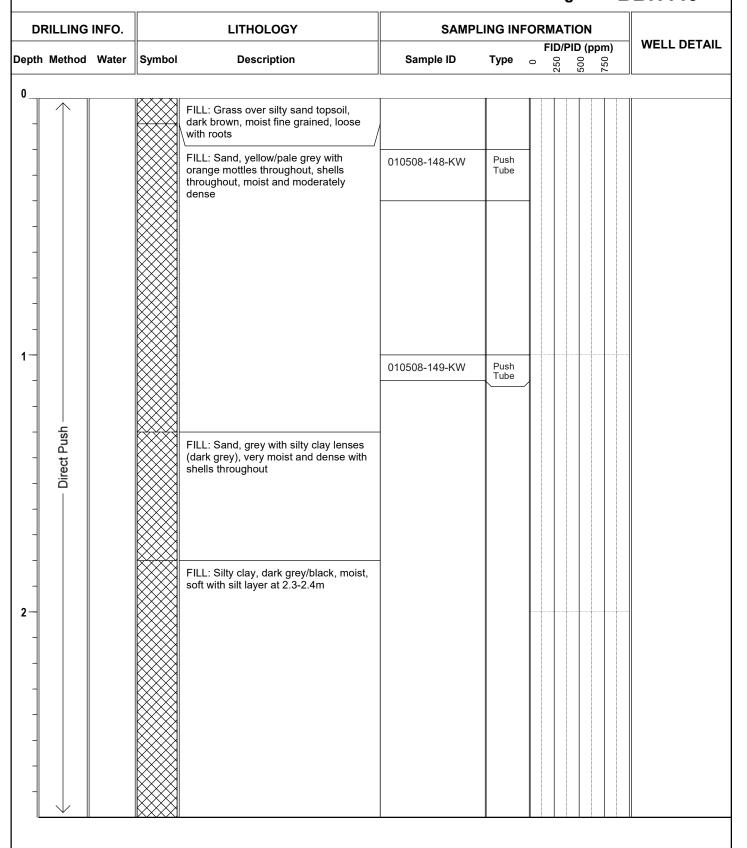
Client: Boyd Cook Cove

Cooks Cove

Project:

Elevation:

Location: Cooks Cove Environmental Log: BBH440



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 30/04/2008

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6242971.259

Cooks Cove

Northing:

Elevation:

Project:

Client:

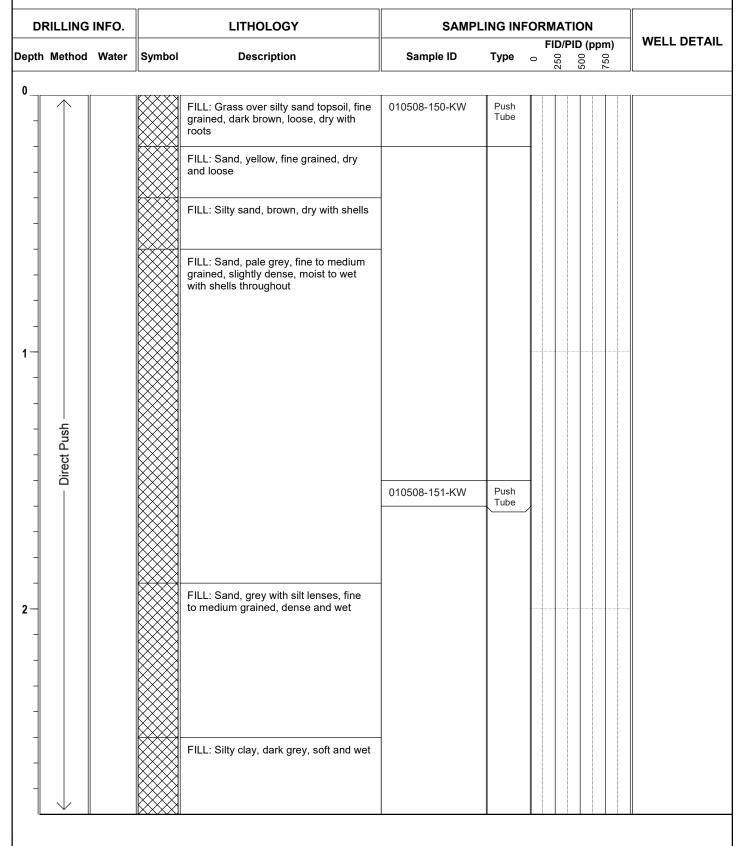
329862.301



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

BBH441 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

30/04/2008 **Date Commenced:**

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6243065.802

Northing:

Elevation:

Project: Cooks Cove

Client:

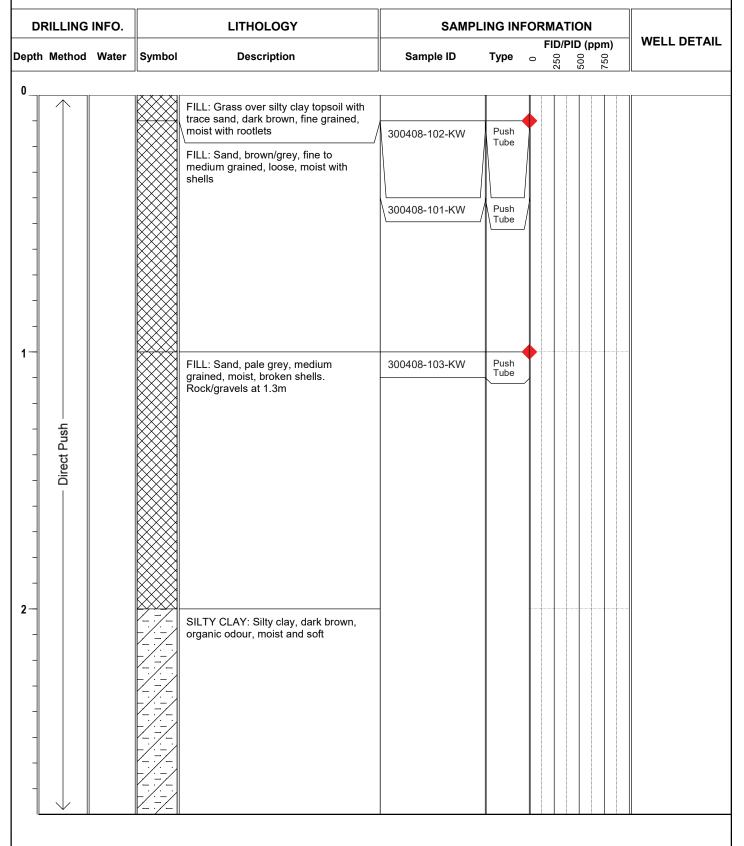
329981.096



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

BBH442 Environmental Log:



Macquarie Drilling **Drill Company:**

Hole Diameter (mm):

Drill Model:

Date Commenced: 30/04/2008

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Easting:

6242955.64

Project:

Location:

Cooks Cove

Cooks Cove

Northing:

330006.678

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

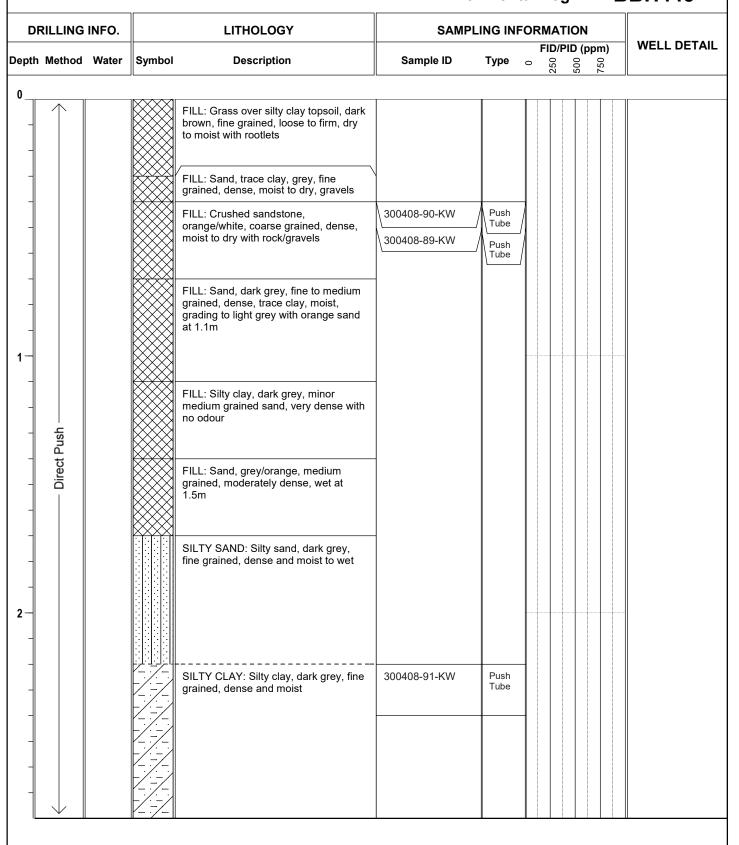
CONSULTING

SCIENTIS TS

Boyd Cook Cove Client:

Elevation:

BBH443 Environmental Log:



Macquarie Drilling **Drill Company:**

Hole Diameter (mm):

Drill Model:

30/04/2008 **Date Commenced:**

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Project: Cooks Cove **Easting:**

Elevation:

Northing:

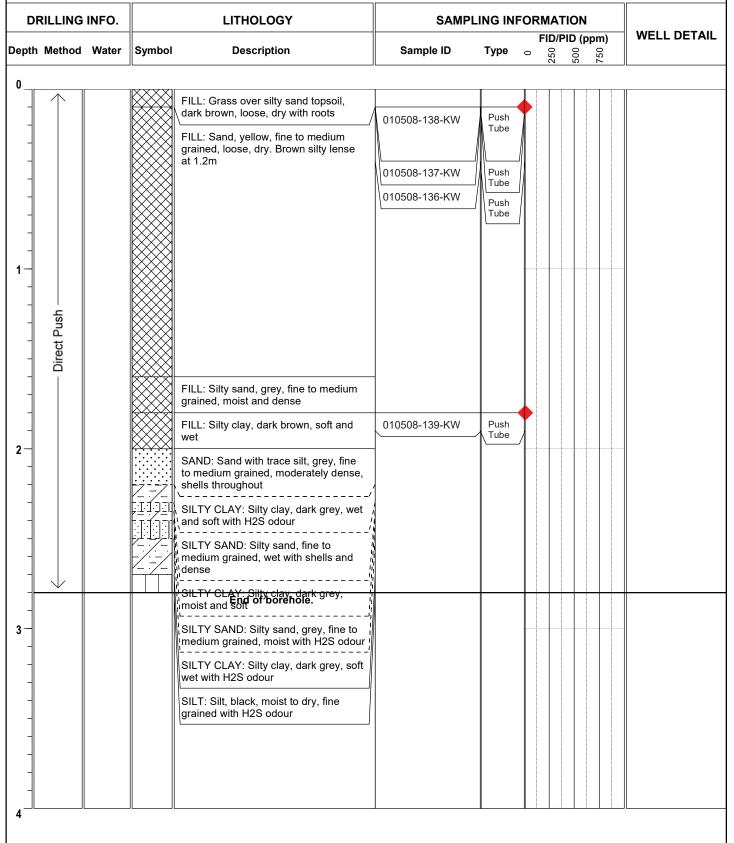


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Client:

Environmental Log: BBH445



Drill Company:

Macquarie Drilling

Date Commenced: Date Completed:

01/05/2008

Drill Model:

01/05/2008

Hole Diameter (mm):

Logged/checked by:

Jenkins/Weir

Boyd Cook Cove

Easting: 6242919.264

_................

Elevation:

329830.177

Project: Cooks Cove Northing: 3298

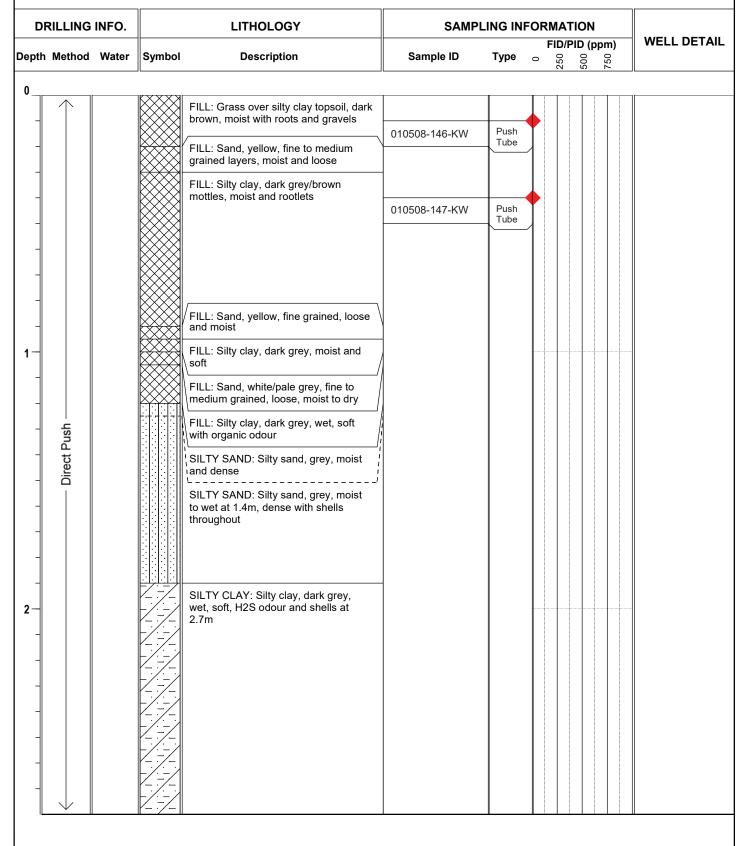


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Client:

Environmental Log: BBH446



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Project:

Cooks Cove

Easting: 6242925.015

Northing:

329881.732

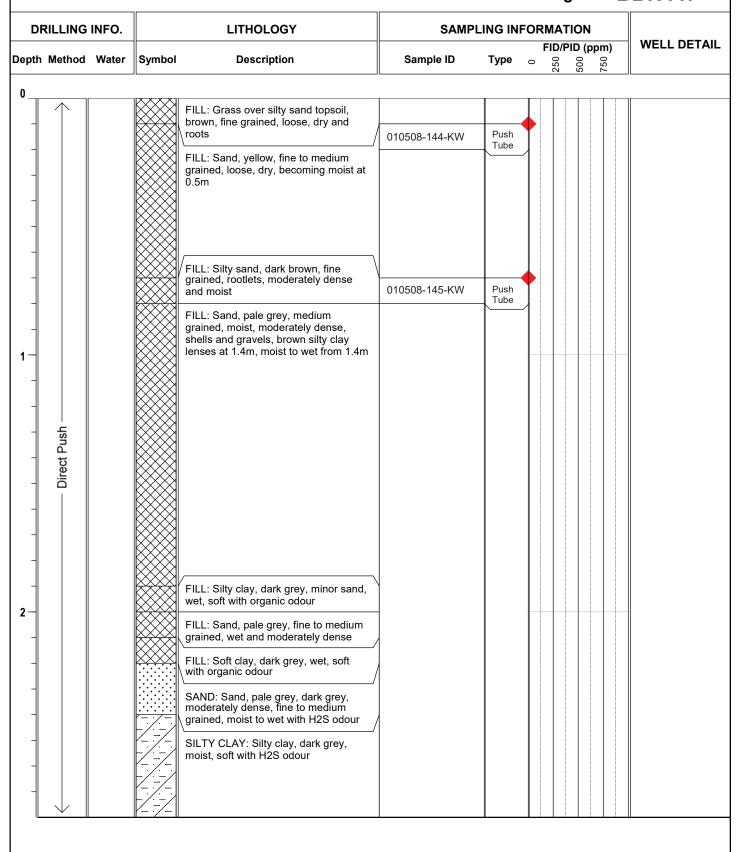
CONSULTING EARTH SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove Environmental Log: BBH447



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting:

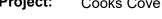
Elevation:

6242916.076

Project: Cooks Cove

Client:

Northing: 329928.224



Jones Bay Wharf 19-21, Lower Level Suite 121

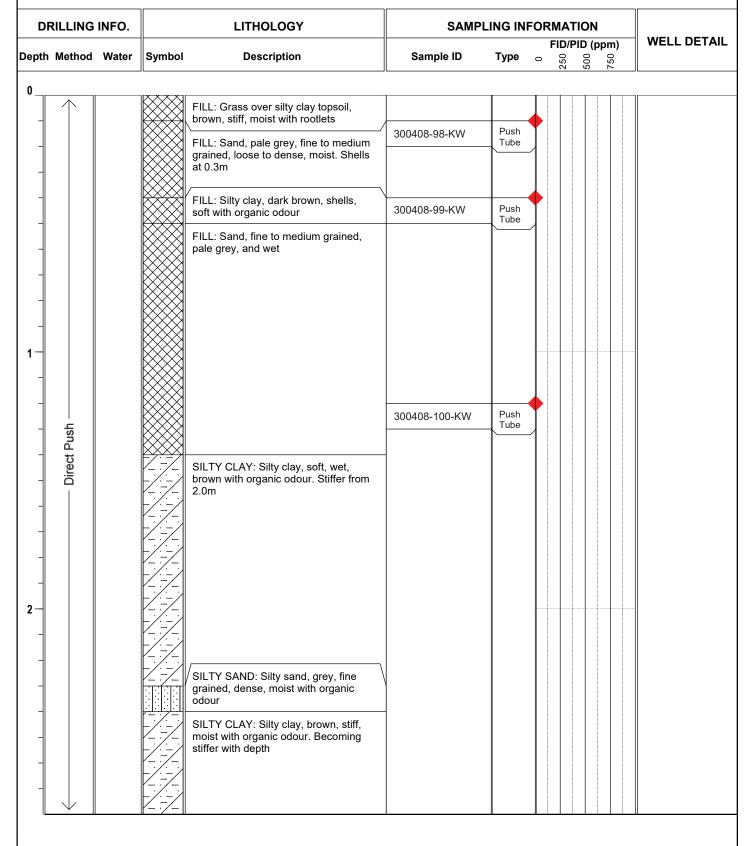
26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

SCIENTIS TS

Location: Cooks Cove

BBH448 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

01/05/2008 **Date Commenced:**

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6242777.469

Cooks Cove

Northing: 329955.331

Elevation:



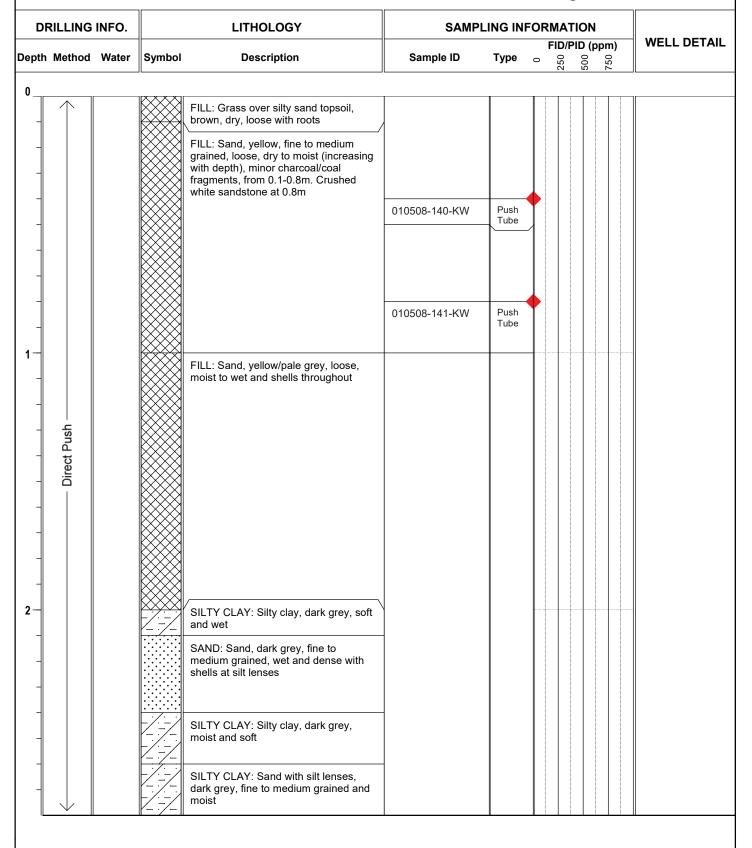
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Project:

Client:

Environmental Log: BBH450



Drill Company:

Macquarie Drilling

Date Completed:

Date Commenced:

01/05/2008

Drill Model:

01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

_ . . _

Easting: 6242875.203

Cooks Cove

Boyd Cook Cove

Northing: 329862.954

Elevation:

CONSULTING EARTH SCIENTISTS

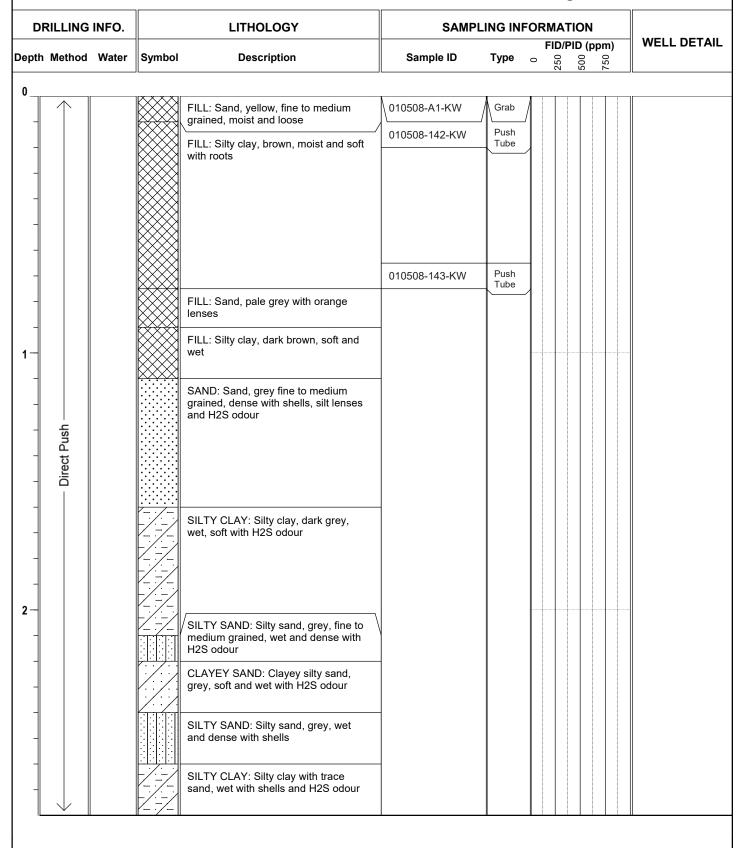
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Project:

Client:

Environmental Log: BBH451



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Cooks Cove

Easting: 6242877.696

Project: Cooks Cove

Northing: 329916.604

Elevation:

916.604



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client:

Location:

Environmental Log: BBH452

DRILLING INFO. LITHOLOGY SAMPLING INFORMATION WELL DETAIL FID/PID (ppm) Depth Method Water Symbol Description Sample ID Type FILL: Grass over silty sand topsoil, dark brown, fine grained, loose, moist with rootlets and trace clays Push 300408-96-KW Tube FILL: Sandy clay, dark brown, fine grained, dense/stiff and moist Push FILL: Sand, pale grey, fine to medium 300408-97-KW Tube grained, loose and dense, moist with shells at 0.7-0.8m FILL: Silty clay, brown/dark grey mottles, stiff and moist FILL: Silty clay, dark brown, stiff, moist with organic odour. Soft layer at 1.4m Direct Push FILL: Sand, aple grey, wet, fine to medium grained, loose with shells SILTY CLAY: Silty clay, dark brown, soft and wet SILTY SAND: Silty sand with trace clay, dark grey, wet and soft with shells. Increasing clay content from

Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6242882.563

Cooks Cove

Northing: 329994.194

Elevation:

94

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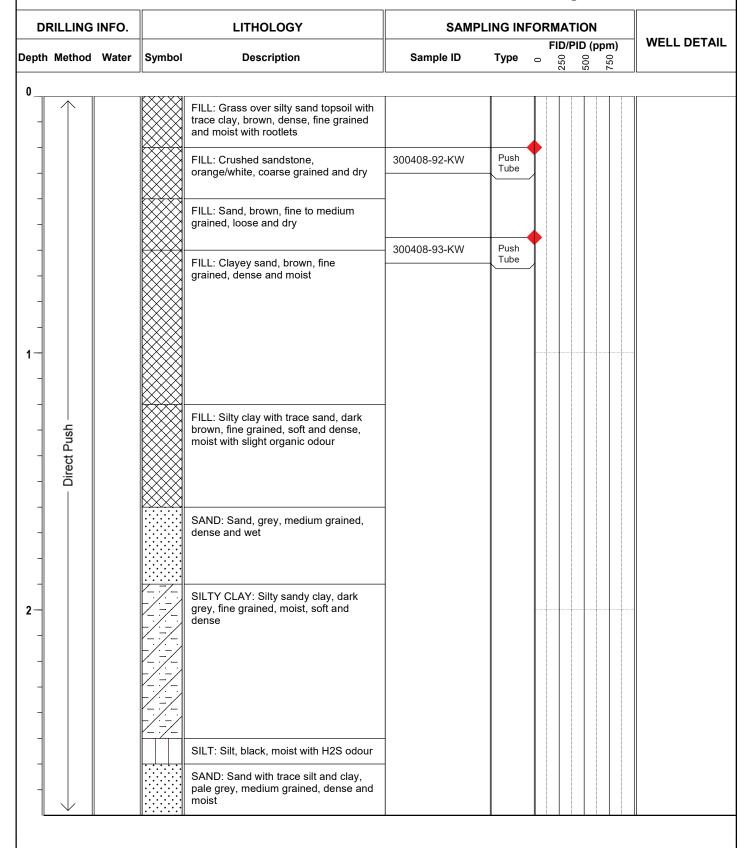
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Project:

Client:

Environmental Log: BBH453



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Easting:

6242816.885

Project:

Location:

Cooks Cove

Cooks Cove

Northing: 329876.016

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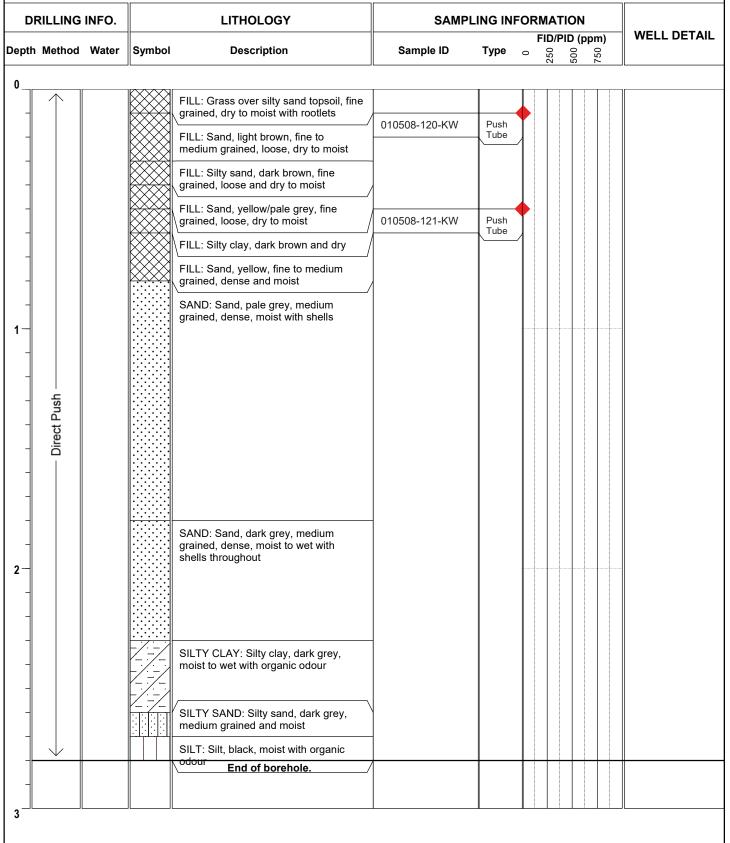
CONSULTING EARTH SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cook Cove

Elevation:

Environmental Log: BBH455



Drill Company: Macquarie Drilling

'

Hole Diameter (mm):

Drill Model:

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting:

CONSULTING

Jones Bay Wharf 19-21, Lower Level Suite 121

SCIENTISTS

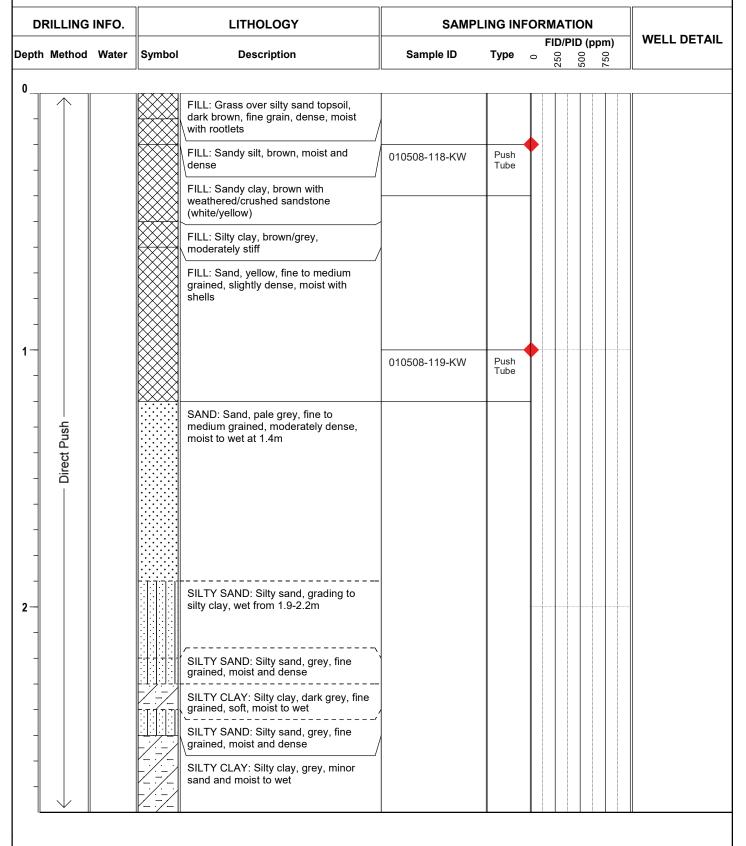
Project: Cooks Cove

Client:

Northing: **Elevation:**

26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BBH456**



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced:

01/05/2008

Date Completed:

01/05/2008

Logged/checked by:

Jenkins/Weir

Boyd Cook Cove

Easting: 6242838.899

Project: Cooks Cove

Client:

Northing:

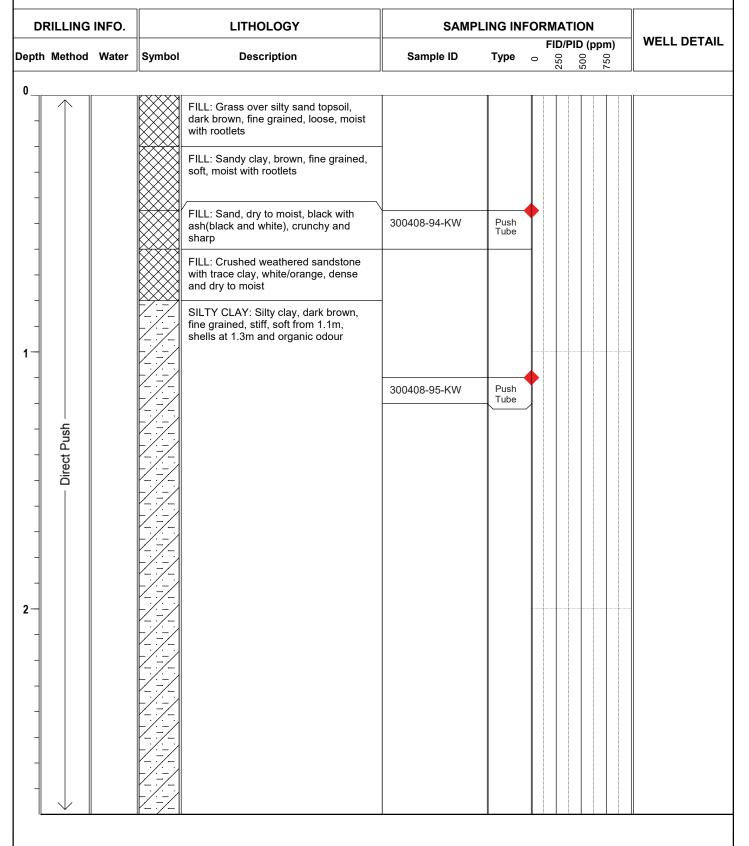
Elevation:

329986.908



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BBH457**



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

30/04/2008 **Date Commenced:**

Date Completed: 30/04/2008

Logged/checked by: Jenkins/Weir

Easting: 6242800.902

Project: Cooks Cove Northing: 329820.421

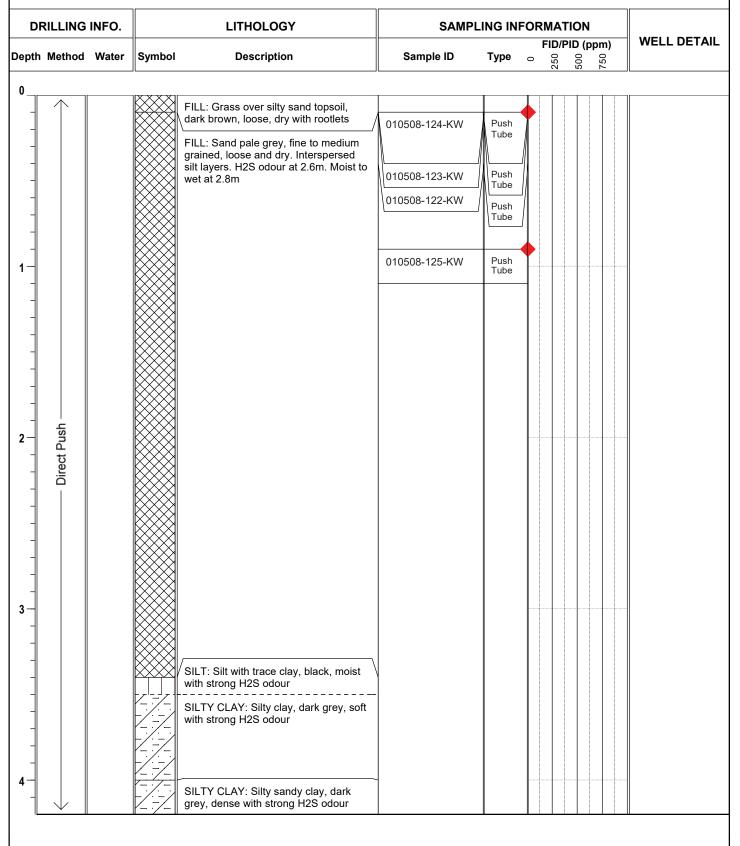


CONSULTING

Boyd Cook Cove Client:

Elevation:

Location: Cooks Cove **Environmental Log: BBH458**



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

01/05/2008 **Date Commenced:**

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Project: Cooks Cove

Easting: Northing: CONSULTING EARTH SCIENTISTS

Client:

Elevation:

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: BBH460

DF	RILLING	NFO.		LITHOLOGY	SAMP	LING IN					
epth	Method	Water	Symbol	Description	Sample ID	Туре	0	520 TID/F	7) Ol 9	pm)	WELL DETAII
0											
				FILL: Grass over silty sand topsoil, dark brown, fine grained, moist with rootlets	010508-114-KW	Push Tube					
-				FILL: Sand, yellow, fine to medium grained, moderately dense, moist shells, silty clay, lenses at 0.8m							
4					040500 445 1414						
-				FILL: Sand, pale grey, fine to medium	010508-115-KW	Push Tube					
-				grained, moderately dense and moist							
-	ush ———			FILL: Silty clay, dark grey, soft, fine grained, moist to wet							
	— Direct Push			SAND: Sand, pale grey, fine to medium grained, wet at 1.5m and shells							
				SILTY SAND: Silty sand, dark grey, fine to medium grained, wet with shells							
_			-/:-/ -//- -//- -/:-/-	SILTY CLAY: Silty clay, dark grey, fine grained, soft to dense and wet							
				SILTY SAND: Silty sand, grey, medium grained, moist with shells							
				SANDY SILT: Sandy silt, black/dark grey, organic and H2S odour							

Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm):

Date Commenced: 01/05/2008

Date Completed: 01/05/2008

Logged/checked by: Jenkins/Weir

L3030700-BCC

Easting: 6243088.007

Elevation:

Project: Cooks Cove

Northing: 329478.534

Client: Boyd Cook Cove

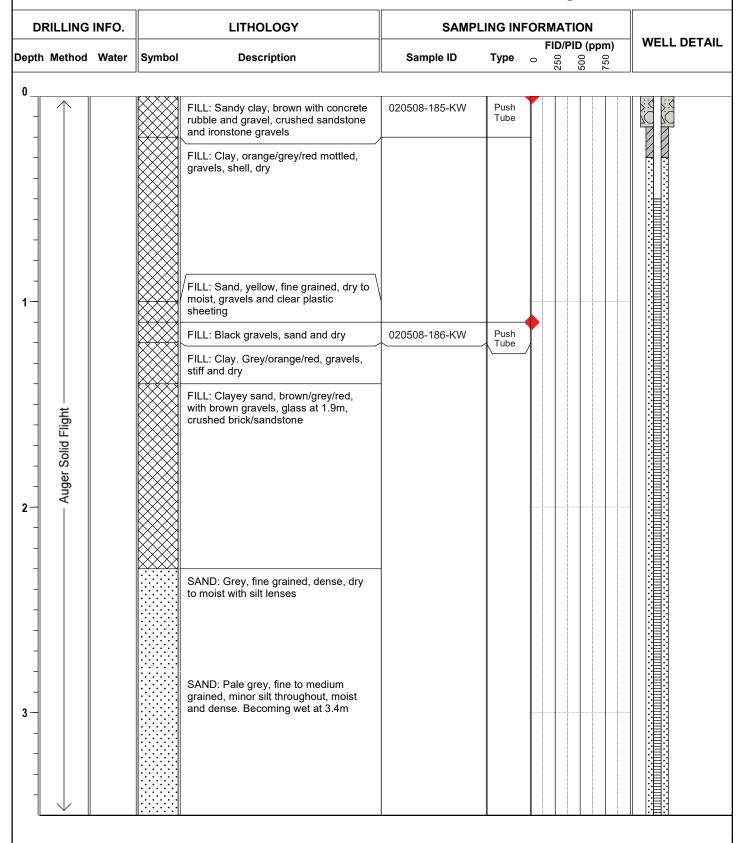
Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

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Location: Cooks Cove

Environmental Log: BLG401



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm): 75

Date Commenced: 02/05/2008

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6243088.007

Cooks Cove

Northing:

Elevation:

Project:

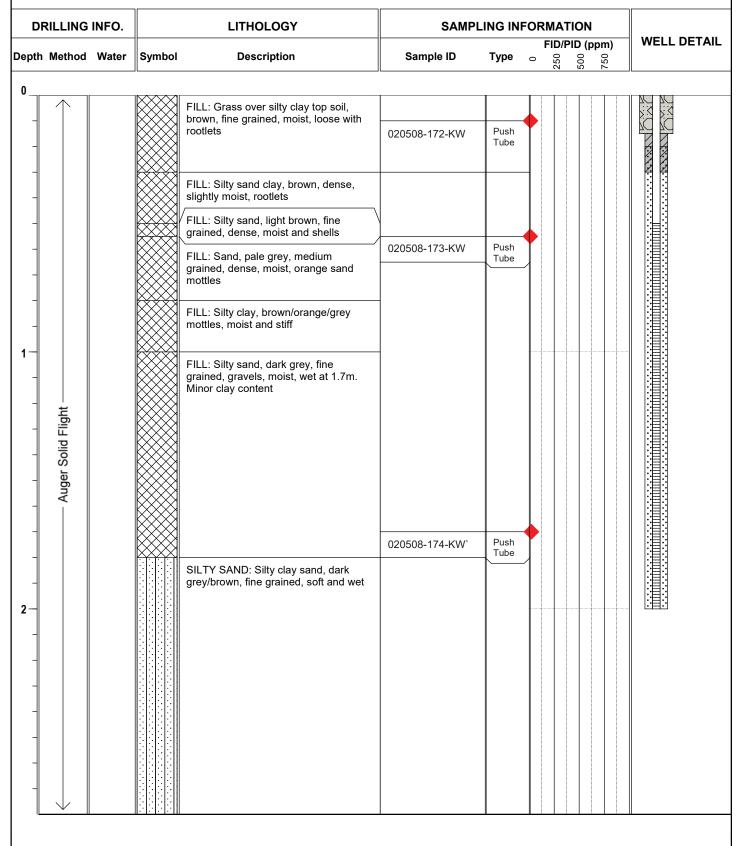
Client:

329478.534



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove **Environmental Log: BLG402**



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm): 75

02/05/2008 **Date Commenced:**

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

Boyd Cook Cove

Easting: 6243088.007

Elevation:

Project: Cooks Cove

Client:

Northing: 329478.534

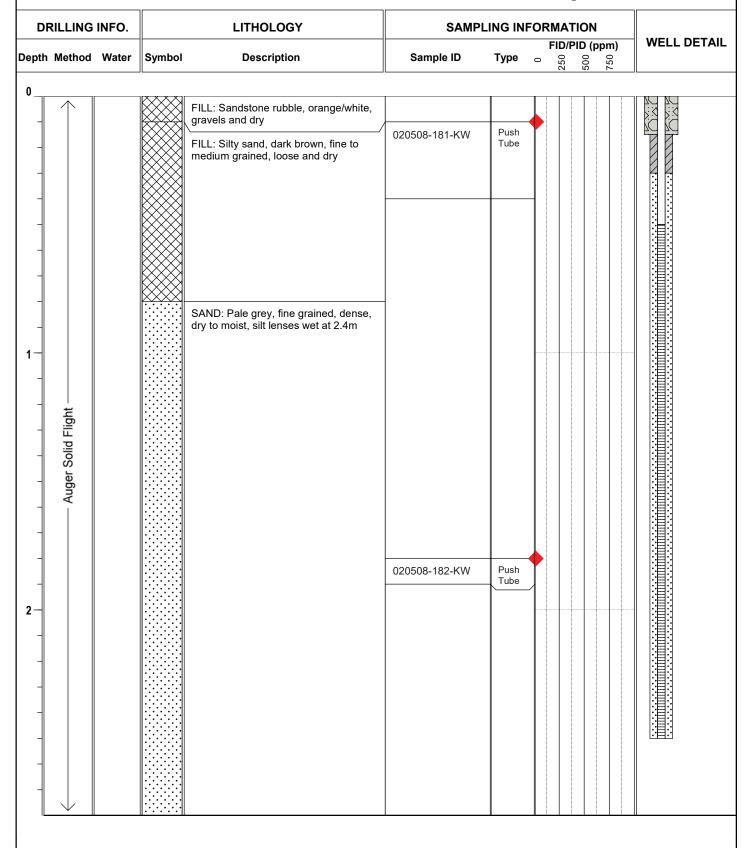


Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

CONSULTING

Location: Cooks Cove

BLG403 Environmental Log:



Drill Company:

Macquarie Drilling

Drill Model:

Hole Diameter (mm): 75

02/05/2008 **Date Commenced:**

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

10700-BCC Ea

Easting: 6243088.007

Project: Cooks Cove

Northing: 329478.534

Client: Bo

Boyd Cook Cove

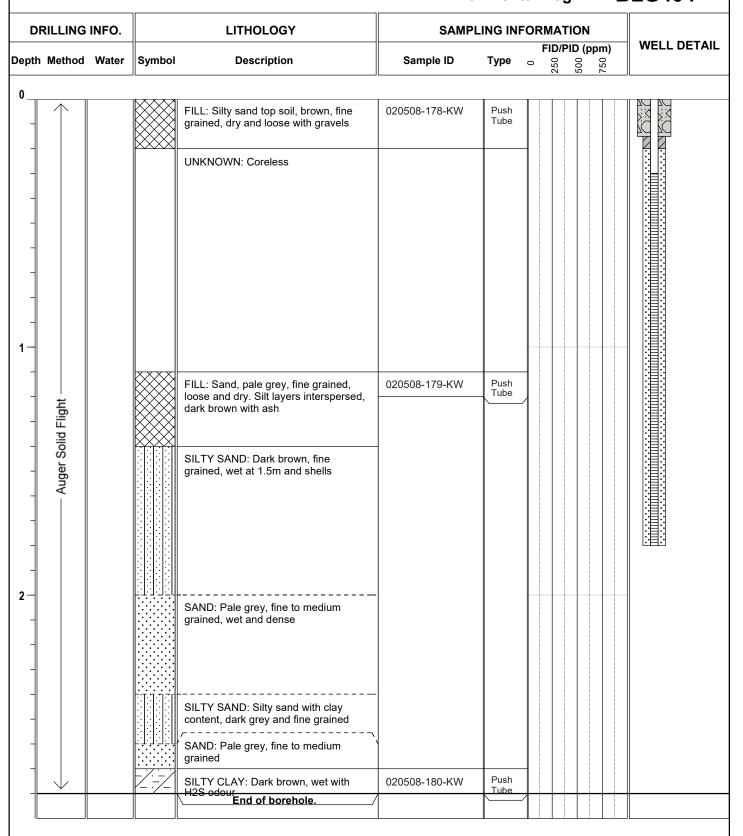
•

Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove Environmental Log: BLG404



Drill Company: Macquarie Drilling

Hole Diameter (mm): 75

Drill Model:

Date Commenced: 02/05/2008

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

0 1 0

Easting: 6243174.979

J

Project: Cooks Cove

Client:

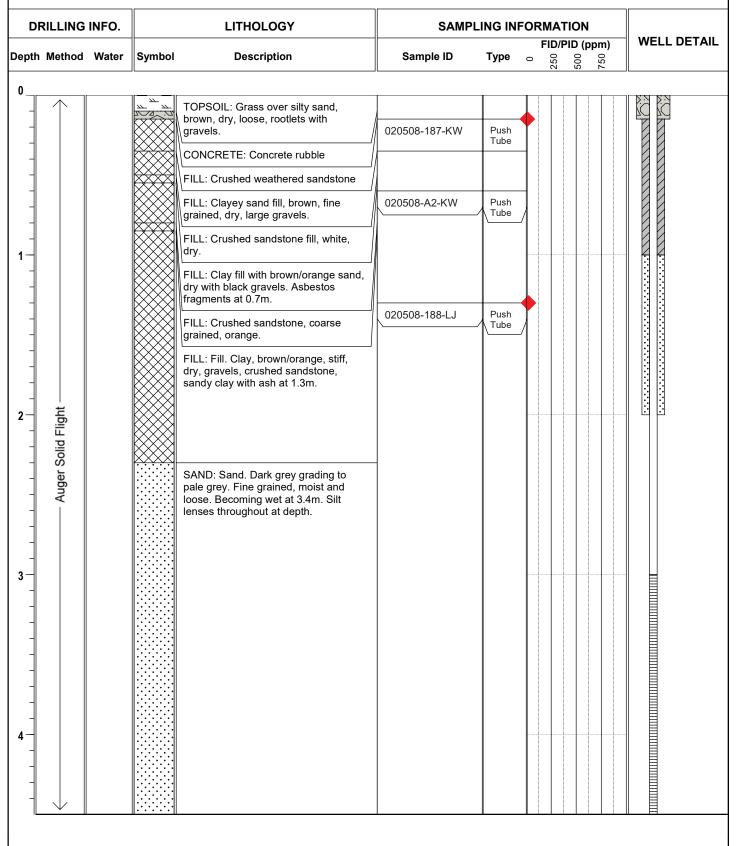
Northing: 329414.632

Boyd Cook Cove Elevation:



Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove Environmental Log: BMW401



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm): 75

Date Commenced: 02/05/2008

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

Project:

Cooks Cove

Easting: 6243090.111

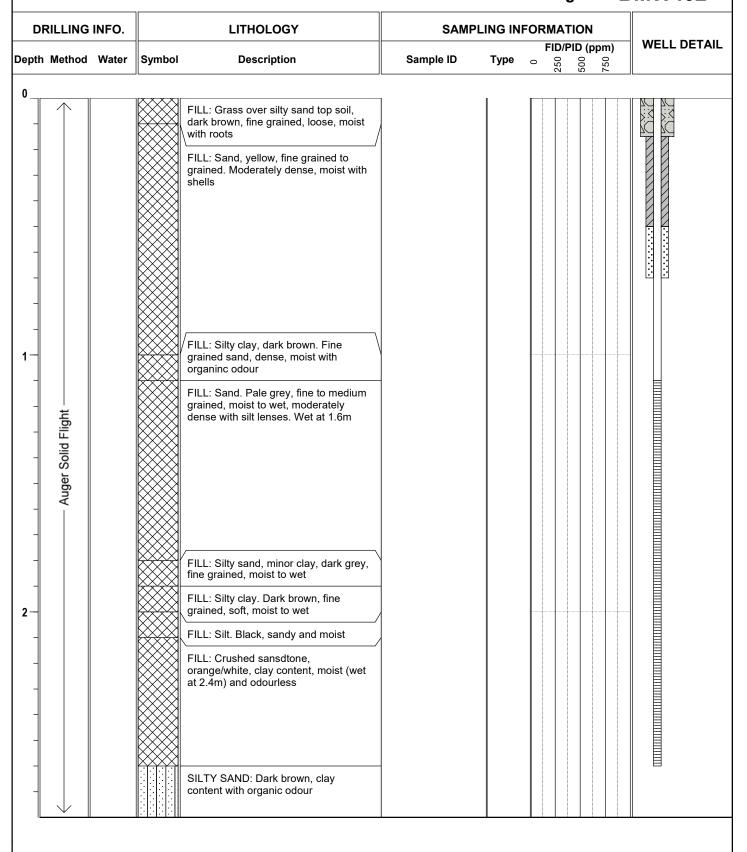
Northing: 329732.258 CONSULTING SCIENTIS TS

Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Boyd Cook Cove Client:

Elevation:

Location: Cooks Cove **BMW402 Environmental Log:**



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm): 75

02/05/2008 **Date Commenced:**

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

Easting:

6242940.504

Project: Cooks Cove

Northing: 329616.3

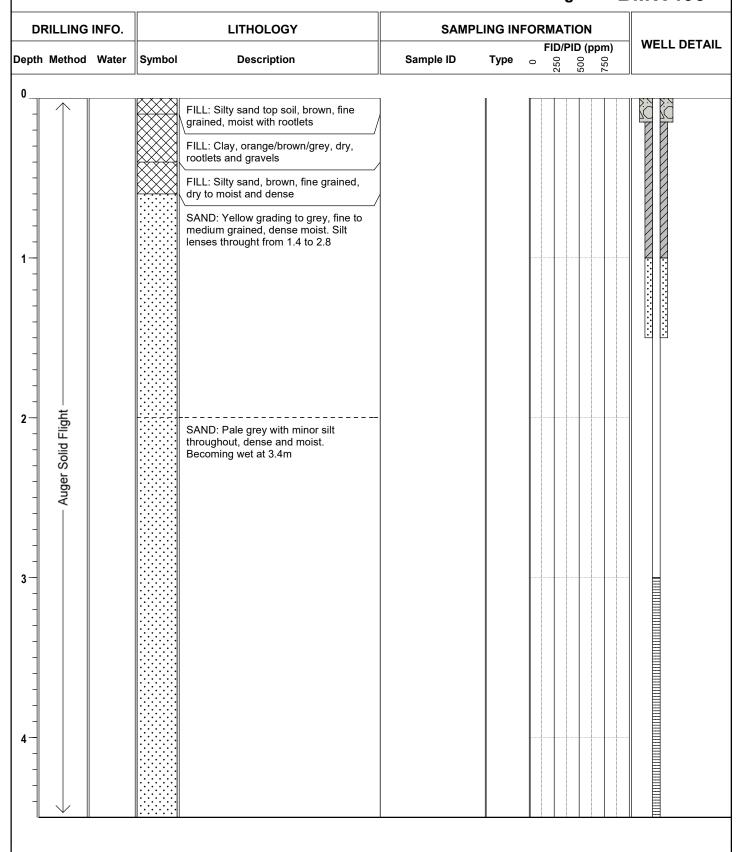
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Jones Bay Wharf 19-21, Lower Level Suite 121 26-32 Pirrama Road Pyrmont 2009 PH: (02) 8569 2200 FAX: (02) 9552 4399

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove Environmental Log: BMW403



Drill Company: Macquarie Drilling

Drill Model:

Hole Diameter (mm): 75

Date Commenced: 02/05/2008

Date Completed: 02/05/2008

Logged/checked by: Jenkins/Weir

Project ID:			Easti	ng:					ISULTING
Project:			North	ing:		⇉	₹		NTISTS
Client:			Eleva	tion:		26-3	2 Pirrar	ma Road Pyrmoi	wer Level Suite 121 nt 2009 (02) 9552 4399
Location:				Enviro	nmen	tal	Log	j:	
DRILLING	INFO.		LITHOLOGY	SAMPL	ING INI				WELL BETAIL
Depth Method	Water	Symbol	Description	Sample ID	Туре	0	FID/P 	ID (ppm) 092 120	WELL DETAIL
0			FILL: Grass over silty sand top soil, brown, dry, loose with roots FILL: Crushed sandstone, white, coarse grained, gravels and ceramics FILL: Sand, brown, fine grained, loose, dry, black gravels with silt inclusions FILL: Sand, black, dry with black as gravels UNKNOWN: Core loss SAND: Sand, yellow, fine to medium grained, loose, dry to moist UNKNOWN: Core loss SAND: Sand, grey, fine to medium grained, silt lenses, dry to moist	020508-175-KW 020508-176-KW	Push Tube Push Tube				
Drill Comp	-			Date Coi Date Coi			•		
Hole Diam		nm):		Logged/			oy:		
	(3-	,		- 33		-	•	SI	neet:

		Table 11: Soil Analytical Resul	lts - Metals								
Location	Sample Depth (m)	Sample ID	Date Sampled	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury
CD4 Eti			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enterprise ABH202	0.45-0.55	090508-192-KW	09 May 2008	7.1	< 1	8.5	24	4.7	180	69	< 0.1
ABH202	1.9-2.2	090508-202-KW	09 May 2008	8	< 1	3.6	< 1	1.6	1.7	1.4	< 0.1
ABH202 ABH204	3.8-4 0.1-0.4	150508-601-KW 070508-55-KW	15 May 2008 07 May 2008	nt < 4	nt < 1	nt 3.1	nt 3.9	nt 1	9.9	nt 4.8	nt < 0.1
ABH204	0.1-0.4	070508-56-KW Field Blind Replicate Sample of 070508-55-KW	07 May 2008	< 4	< 1	3	6.5	1	16	16	< 0.1
ABH204	0.1-0.4	070508-57-KW Split Field Duplicate of 070508-55-KW	07 May 2008	< 5	< 1	2	6	< 2	9	8	< 0.1
ABH205 ABH205	0.1-0.2 0.4-0.5	060508-49-KW 060508-50-KW	06 May 2008 06 May 2008	< 4 9.3	< 1	3.4 7	12	3.9 1.5	33 23	64 13	< 0.14
ABH206	0.1-0.2	090508-208-KW	09 May 2008	< 4	< 1	3.1	11	2.7	47	36	0.9
ABH206 ABH207	1-1.2 0.2-0.4	090508-209-KW 090508-207-KW	09 May 2008 09 May 2008	< 4	< 1	< 1 6	1.9	< 1 1.7	< 1 6.3	33 7.1	< 0.1
ABH210	0.1-0.2	060508-46-KW	06 May 2008	13	< 1	4	8.1	3.4	26	27	< 0.1
ABH2102	0.7-0.8	090508-186-KW	09 May 2008	4.6	< 1	3.9	13	7.2	40	44	0.26
ABH2103 ABH2103	0.1-0.2 0.1-0.2	090508-194-KW 090508-195-KW Field Blind Replicate Sample of 090508-194-KW	09 May 2008 09 May 2008	< 4	< 1	9.7 4.2	7.3	12	950 1200	41 34	< 0.1
ABH2103	0.9-1	090508-197-KW	09 May 2008	< 4	< 1	2.8	13	1.5	61	57	0.53
ABH2104 ABH2105	0.3-0.5 1.4-1.5	090508-198-KW 150508-333-KW	09 May 2008 15 May 2008	< 4	< 1 nt	11 nt	22 nt	15 nt	990 37	200	< 0.1
ABH2105	3.8-4	150508-555-KW 150508-600-KW	15 May 2008	nt nt	nt	nt nt	nt nt	nt	2.2	nt nt	nt nt
ABH2106	0.1-0.2	090508-204-KW	09 May 2008	< 4	< 1	6.7	25	9.2	130	89	< 0.1
ABH2107 ABH2107	1-1.1 1.5-1.6	150508-341-KW 150508-342-KW	15 May 2008 15 May 2008	nt nt	nt nt	nt nt	nt nt	nt nt	58 2.8	nt nt	nt nt
ABH2108	0.1-0.2	150508-342-KW	15 May 2008	< 4	< 1	4.2	4.6	4.2	54	20	< 0.1
ABH2108	1.1-1.2	150508-345-KW	15 May 2008	nt	nt	nt	nt	nt	8.2	nt	nt
ABH2108 ABH211	4.2-4.5 1-1.2	150508-348-KW 120508-215-KW	15 May 2008 12 May 2008	nt < 4	nt < 1	nt 1.6	nt < 1	nt < 1	2.1	nt 2.1	nt 0.14
ABH211	1-1.2	120508-215-KW Split Field Duplicate Sample of 120508-215-KW	12 May 2008	< 5	< 1	2	< 5	< 2	< 5	< 5	< 0.14
ABH212	0.35-0.45	080508-161-KW	08 May 2008	6.3	< 1	7.2	240	8.6	33	340	< 0.1
ABH213 ABH215	0.5-0.6 0-0.2	120508-212-KW 060508-36-KW	12 May 2008 06 May 2008	< 4 11	< 1	2.2	3.1 12	1.3 7.4	10 29	11 82	< 0.1
ABH215	0.7-0.9	060508-37-KW Field Blind Replicate Sample of 060508-36-KW	06 May 2008	6.5	< 1	2.7	<1	1.6	1.4	3	< 0.1
ABH215	0.7-0.9	060508-38-KW Split Sample Replicate of Sample 060508-37-KW	06 May 2008	<5	<1	3	<5	<5	<2	<5	< 0.1
ABH216 ABH216	0-0.2 2.6-2.8	060508-40-KW 060508-42-KW	06 May 2008 06 May 2008	12	< 1	23	10	6.4	20 < 1	34 4.4	< 0.1
ABH217	0-0.2	060508-43-KW	06 May 2008	< 4	< 1	3.5	11	1.9	36	38	< 0.1
ABH226 ABH227	0-0.1 0.8-1	060508-06-KW 060508-09-KW	06 May 2008 06 May 2008	9.6	< 1	4.2 1.9	9.9	1.6	45 12	50 6.1	< 0.1
ABH227	0.2-0.3	060508-04-KW	06 May 2008	7	< 1	3.9	27	21	11	38	0.71
ABH229	0.5-0.6	060508-05-KW	06 May 2008	< 4	< 1	1.4	1.5	< 1	7.7	7.1	< 0.1
ABH229 ABH297	0.1-0.25 0.5-0.55	080508-158-KW 090508-165-KW	08 May 2008 09 May 2008	< 4 6.2	< 1	1.9 2.1	7.6	1.5	34 14	67 11	0.29
ABH297	0.9-1.0	090508-166-KW	09 May 2008	4.5	< 1	2.1	8.5	1.6	31	51	0.28
ABH299	0.1-0.2	090508-168-KW	09 May 2008	5.1	< 1	3.8	2	1.8	5.7	7.9	< 0.1
ABH299 AMW203	1.2-1.3 0.25-0.35	090508-182-KW 090508-188-KW	09 May 2008 09 May 2008	< 4 4.5	< 1	1.7 5.4	< 1 16	< 1 4.5	3 68	28 47	< 0.1
AMW203	0.7-0.8	090508-189-KW	09 May 2008	< 4	< 1	2.4	33	15	21	33	< 0.1
E1 Public Recreatio											
BBH401 BBH402	0.2-0.4 0.5-0.6	280408-01-KW 280408-06-KW	28 Apr 2008 28 Apr 2008	4.9 8.7	< 1	4.1	3.4 44	2.3 32	7.7 64	12 65	< 0.13
BBH426	0.1-0.2	290408-69-KW	29 Apr 2008	< 4	< 1	4.4	7.6	1.4	34	46	< 0.1
BBH426	0.5-0.6	290408-70-KW	29 Apr 2008	< 4	< 1	< 1	< 1	< 1	2.4	2.8	< 0.1
P4 Enterprise ABH228	2.5-2.6	060508-12-KW	06 May 2008	< 4	< 1	1.2	< 1	< 1	1.2	14	< 0.1
ABH229	0.1-0.3	060508-13-KW	06 May 2008	68	< 1	9.7	31	2	68	13	0.27
ABH229	0.5-0.8	060508-14-KW 060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	< 4	< 1	2.1	< 1	< 1		1.3	
ABH229	0.5.0.0								1.1	36	< 0.1
ABH229	0.5-0.8 0.5-0.8		06 May 2008	< 4 <5	< 1 <1	1.8	< 1 <5	< 1 <5	1.2	36 12	< 0.1 < 0.1
ABH229 ABH230	0.5-0.8 0.5-0.8 0.5-0.6	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW		< 4 <5 4.9	<1 <1 <1	1.8 <2 7.3	<1 <5 11	< 1 <5 5.4	-	36	< 0.1
ABH230 ABH231	0.5-0.8 0.5-0.6 0-0.3	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008	<5 4.9 < 4	<1 <1 <1	<2 7.3 <1	<5 11 3.4	<5 5.4 <1	1.2 <2 26 18	36 12 28 29 18	< 0.1 < 0.1 < 0.1 < 0.1 < 0.1
ABH230 ABH231 ABH231	0.5-0.8 0.5-0.6 0-0.3 0.6-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-152-KW	06 May 2008 06 May 2008 08 May 2008	<5 4.9 < 4 < 4	<1 <1 <1 <1	<2 7.3 <1 1.3	<5 11 3.4 1.6	<5 5.4 <1 <1	1.2 <2 26 18 7.8	36 12 28 29 18	< 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1
ABH230 ABH231	0.5-0.8 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008	<5 4.9 < 4	<1 <1 <1	<2 7.3 <1	<5 11 3.4	<5 5.4 <1	1.2 <2 26 18	36 12 28 29 18	< 0.1 < 0.1 < 0.1 < 0.1 < 0.1
ABH230 ABH231 ABH231 ABH231 AEI Public Recreation	0.5-0.8 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-152-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008	<5 4.9 <4 <4 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<2 7.3 <1 1.3 1.2	<5 11 3.4 1.6 1.8	<5 5.4 <1 <1 <1	1.2 <2 26 18 7.8 9.1	36 12 28 29 18 9 12	< 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1
ABH230 ABH231 ABH231 ABH231 EEI Public Recreatio ABH235 ABH235	0.5-0.8 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008	<5 4.9 <4 <4 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1	<2 7.3 <1 1.3 1.2	<5 11 3.4 1.6 1.8	<5 5.4 <1 <1 <1	1.2 <2 26 18 7.8 9.1	36 12 28 29 18 9	< 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1
ABH230 ABH231 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 ABH235 P4 Enterprise ABH236	0.5-0.8 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-152-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008	<5 4.9 <4 <4 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<2 7.3 <1 1.3 1.2	<5 11 3.4 1.6 1.8	<5 5.4 <1 <1 <1	1.2 <2 26 18 7.8 9.1	36 12 28 29 18 9 12	< 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1
ABH230 ABH231 ABH231 ABH231 EF Public Recreation ABH235 ABH235 ABH235 ABH236 ABH236 ABH236	0.5-0.8 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0.0-0.1 0.4-0.55	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-152-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW 070508-80-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008 07 May 2008 07 May 2008 08 May 2008	<5 4.9 <4 <4 <4 <4 23	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<2 7.3 <1 1.3 1.2 3.4 31 4.3 2.1	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3	<5 5.4 <1 <1 <1 <1 1.4 11	1.2 <2 26 18 7.8 9.1 36 21	36 12 28 29 18 9 12 21 40	< 0.1 < 0.1
ABH230 ABH231 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 ABH235 P4 Enterprise ABH236	0.5-0.8 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7 0.0-0.1 0-0.1	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW 070508-80-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008 07 May 2008 07 May 2008	<5 4.9 <4 <4 <4 <4 23	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<2 7.3 <1 1.3 1.2 3.4 31	<5 11 3.4 1.6 1.8 9.5 8.4	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	1.2 <2 26 18 7.8 9.1 36 21	36 12 28 29 18 9 12 21 40	< 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1
ABH230 ABH231 ABH231 ABH231 ABH231 EF Public Recreatio ABH235 ABH235 ABH236 ABH236 ABH237 ABH238 ABH240 ABH240	0.5-0.8 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.4-0.55	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 080508-123-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008 07 May 2008 07 May 2008 08 May 2008 07 May 2008 08 May 2008 06 May 2008 06 May 2008 06 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<2 7.3 <1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 1.8	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2	36 12 28 29 18 9 12 21 40 38 33 9.7 5.3 3.3	< 0.1 <
ABH230 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240	0.5-0.8 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0-0.1 0.4-0.55 0-0.1 0-0.2 0.1-0.5 0.1-0.4 0.1-0.4	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-125-KW	06 May 2008 06 May 2008 08 May 2008 07 May 2008 07 May 2008 07 May 2008 06 May 2008 06 May 2008 06 May 2008 06 May 2008 08 May 2008 08 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <5	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	7.3 < 1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6 2	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 1.8 1.6 <5	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2	36 12 28 29 18 9 12 21 40 38 33 9.7 5.3 3.3 <5	<pre>< 0.1 < 0.1</pre>
ABH230 ABH231 ABH231 ABH231 ABH231 EF Public Recreatio ABH235 ABH235 ABH236 ABH236 ABH237 ABH238 ABH240 ABH240	0.5-0.8 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.4-0.55	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 080508-123-KW	06 May 2008 06 May 2008 08 May 2008 08 May 2008 08 May 2008 08 May 2008 07 May 2008 07 May 2008 08 May 2008 07 May 2008 08 May 2008 06 May 2008 06 May 2008 06 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<2 7.3 <1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 1.8	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2	36 12 28 29 18 9 12 21 40 38 33 9.7 5.3 3.3	< 0.1 <
ABH230 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240 ABH240 ABH240 ABH242 ABH242	0.5-0.8 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0.0-0.1 0.4-0.55 0.0-0.1 0.0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.0-0.1 0.5-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-123-KW 080508-123-KW 080508-123-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-145-KW	06 May 2008 06 May 2008 08 May 2008 07 May 2008 07 May 2008 08 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <6 <7	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	7.3 <1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6 2 3.1 7.2 12	<5 11 3.4 1.6 1.8 9.5 9.4 7.9 5.3 2.3 1.8 1.6 1.6 5 12 9.7 13	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2 <5 27 26 26	36 12 28 29 18 9 12 21 40 38 33 9,7 5.3 3.3 <5	< 0.1 <
ABH230 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240 ABH241 ABH242 ABH242 ABH242	0.5-0.8 0.5-0.6 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7 1 0-0.1 0-0.1 0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.5-0.7 0.5-0.7 0.5-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-152-KW 080508-152-KW 080508-152-KW 070508-79-KW 070508-80-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-123-KW 080508-124-KW Field Blind Replicate Sample of 080508-123-KW 080508-125-KW Split Field Duplicate Sample of 080508-123-KW 080508-125-KW Split Field Duplicate Sample of 080508-123-KW 080508-125-KW Split Field Split Spl	06 May 2008 06 May 2008 08 May 2008 07 May 2008 08 May 2008 08 May 2008 09 May 2008 09 May 2008 09 May 2008 09 May 2008 08 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <5 <4 <6.7 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	7.3 <1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6 2 3.1 7.2 <1	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 1.8 1.6 <5 12 9.7 13 <1	Control Cont	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2 <5 27 26 26 <1	36 12 28 29 18 9 12 21 40 38 33 9.7 5.3 3.3 <5 48 32 23	< 0.1
ABH230 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240 ABH240 ABH240 ABH242 ABH242	0.5-0.8 0.5-0.6 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0.0-0.1 0.4-0.55 0-0.1 0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-123-KW 080508-123-KW 080508-123-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-145-KW	06 May 2008 06 May 2008 08 May 2008 07 May 2008 07 May 2008 08 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <6 <7	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	7.3 <1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6 2 3.1 7.2 12	<5 11 3.4 1.6 1.8 9.5 9.4 7.9 5.3 2.3 1.8 1.6 1.6 5 12 9.7 13	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2 <5 27 26 26	36 12 28 29 18 9 12 21 40 38 33 9,7 5.3 3.3 <5	< 0.1 <
ABH230 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH235 ABH237 ABH238 ABH240 ABH240 ABH240 ABH240 ABH240 ABH240 ABH242 ABH244 ABH247	0.5-0.8 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0-0.1 0.4-0.55 0-0.1 0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7 0.2-0.3 0.1-0.4	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-152-KW 070508-79-KW 070508-80-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Split Sample of 080508-123-KW 080508-125-KW Split Field Split S	06 May 2008 06 May 2008 08 May 2008 07 May 2008 08 May 2008 08 May 2008 09 May 2008 08 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <5 <4 <4 <8.1 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<2 7.3 <1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6 2 3.1 7.2 12 <1 20 5.8	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 1.8 1.6 <55 12 9.7 13 <1 110 2.6	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <2 <3 <2.1 <2.1 <2.9 <1 <1 <4	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2 <5 27 26 <1 180	36 12 28 29 18 9 12 21 40 38 33 9.7 5.3 3.3 4.5 48 32 <11 320	< 0.1
ABH230 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240 ABH241 ABH242 ABH242 ABH242 ABH242 ABH242 ABH242 ABH243 ABH242 ABH243 ABH243 ABH244	0.5-0.8 0.5-0.6 0.5-0.6 0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0.0-0.1 0.4-0.55 0-0.1 0.0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7 1-1.1	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-124-KW Field Blind Replicate Sample of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-145-KW 080508-145-KW 080508-145-KW 080508-145-KW 080508-145-KW 080508-145-KW 080508-145-KW	06 May 2008 06 May 2008 08 May 2008 07 May 2008 08 May 2008 09 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	C C C C C C C C	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 1.8 1.6 <5 12 9.7 13 <1 110 2.6 <1	<pre> <5 5.4 <1 <1 <1 1.4 11 1.1 -2.3 1.1 1.1 <2 3 2.1 2.9 <1 15</pre>	1.2 <2 26 18 7.8 9.1 32 21 32 21 33.3 3.5 2 <5 27 26 <1 180 3.9 1.1	36 12 28 29 18 9 12 21 40 38 33 33 <5 33 48 32 23 <1 320	$ \begin{array}{c} <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1\\ <0.1$
ABH230 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH235 ABH237 ABH238 ABH240 ABH240 ABH240 ABH240 ABH240 ABH240 ABH242 ABH244 ABH247	0.5-0.8 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0-0.1 0.4-0.55 0-0.1 0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7 0.5-0.7 0.2-0.3 0.1-0.4	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-149-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-152-KW 070508-79-KW 070508-80-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Split Sample of 080508-123-KW 080508-125-KW Split Field Split S	06 May 2008 06 May 2008 08 May 2008 07 May 2008 08 May 2008 08 May 2008 09 May 2008 08 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <5 <4 <4 <8.1 <4	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<2 7.3 <1 1.3 1.2 3.4 31 4.3 2.1 3.5 2 2.6 2 3.1 7.2 12 <1 20 5.8	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 1.8 1.6 <55 12 9.7 13 <1 110 2.6	<5 5.4 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <2 <3 <2.1 <2.1 <2.9 <1 <1 <4	1.2 <2 26 18 7.8 9.1 36 21 32 21 3.3 3.5 2 <5 27 26 <1 180	36 12 28 29 18 9 12 21 40 38 33 33 9.7 5.3 3.3 3.5 48 32 23 41 320	< 0.1
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ABH230 ABH231 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240 ABH240 ABH240 ABH241 ABH242 ABH242 ABH242 ABH242 ABH242 ABH248 ABH249 ABH250 ABH250 ABH251 ABH251 ABH252 ABH253 ABH254 ABH254	0.5-0.8 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0.0-0.1 0.4-0.55 0-0.1 0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 1-1.1 1-1.1 1-1.1 1-1.1 1-1.1 1-1.1 1-1.1 1-1.1 0.7-0.9 1.5-1.6 0-0.1 0.6-0.8 0-0.1 0.6-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-1-18-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 060508-23-KW 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-145-KW Split Field Blind Replicate Sample of 080508-145-KW 080508-145-KW 080508-145-KW 080508-146-KW Field Blind Replicate Sample of 080508-145-KW 080508-141-KW 080508-111-KW	06 May 2008 06 May 2008 08 May 2008 07 May 2008 08 May 2008 09 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4	C C C C C C C C	27.3 3.4 31.2 3.4 31.2 2.1 3.5 2.2 2.6 2 3.1 7.2 12 <1 20 1.6 3.2 5.8 1 1.9 1.6 3.2 5.3 1.4 4.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 2.3 1.8 1.6 <5 12 13 <1 110 2.6 <1 <1 <1 6.3 1.5 8.5 9.7 13 <1 6.3 1.6 6.3 1.5 8.5 1.6 6.3 1.6 3.6 3.6 3.6 3.6 3.7	CS S.4 C C C C C C C C C	1.2	36 12 28 29 18 9 12 40 38 33 9.7 5.3 3.3 <5 48 32 23 <11 320 49 49 4.5 14 12 32 43 73 48 150	Color Colo
ABH230 ABH231 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240 ABH240 ABH240 ABH240 ABH241 ABH242 ABH242 ABH242 ABH242 ABH242 ABH243 ABH243 ABH243 ABH243 ABH243 ABH243 ABH243 ABH243 ABH243 ABH245 ABH248 ABH248 ABH248 ABH248 ABH249 ABH249 ABH249 ABH250 ABH250 ABH250 ABH251 ABH252 ABH253 ABH253 ABH253 ABH254 ABH254 ABH254	0.5-0.8 0.5-0.6 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0.0-0.1 0.4-0.55 0-0.1 0.0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 1-1.1 1.2-1.4 1.2-1.4 1.2-1.4 1.2-1.4 0.7-0.9 1.5-1.6 0.0-0.1 0.6-0.8 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1 0.0-0.1	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-1-15-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-80-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-27-KW 060508-23-KW 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-145-KW 080508-145-KW 080508-144-KW 080508-146-KW Field Blind Replicate Sample of 080508-145-KW 080508-141-KW 080508-141-KW 080508-141-KW 080508-141-KW 080508-141-KW 080508-115-KW 080508-115-KW 080508-115-KW 080508-116-KW 080508-116-KW 080508-111-KW 080508-111-KW 080508-111-KW 080508-111-KW 080508-111-KW 080508-111-KW 080508-116-KW	06 May 2008 06 May 2008 08 May 2008 07 May 2008 08 May 2008 09 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4	C C C C C C C C	22 7.3 1.2 3.4 31 2.1 3.5 2 2.6 2 2.6 2 2.6 2 12 2.1 20 1.6 3.2 1.9 1.6 3.2 1.9 1.6 3.2 1.9 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	CS 11 3.4 1.6 1.8 1.6 1.8 1.6 1.8 1.6 1.8 1.6 1.8 1.6 1.8 1.6	CS S.4 C C C C C C C C C	1.2	36 12 28 29 18 29 18 29 12 21 40 38 33 33 33 33 <5 48 32 41 320 42 45 14 12 32 43 73 48	< 0.1
ABH230 ABH231 ABH231 ABH231 ABH231 ABH231 ABH235 ABH235 ABH235 P4 Enterprise ABH236 ABH237 ABH238 ABH240 ABH240 ABH240 ABH240 ABH240 ABH241 ABH242 ABH242 ABH242 ABH242 ABH242 ABH248 ABH249 ABH250 ABH250 ABH251 ABH251 ABH252 ABH253 ABH254 ABH254	0.5-0.8 0.5-0.6 0.5-0.6 0.0-0.3 0.6-0.7 0.6-0.7 0.6-0.7 0.0-0.1 0.4-0.55 0-0.1 0.0-0.2 0.1-0.5 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 1-1.1 1.2-1.4 1.7-0.9 1.5-1.6 0.0-0.1 0.6-0.1 0.6-0.1 0.6-0.1 0.6-0.1 0.6-0.7 0.5-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-1-18-KW 080508-151-KW 080508-151-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW 070508-79-KW 070508-80-KW 080508-102-KW 060508-27-KW 060508-23-KW 060508-23-KW 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW 080508-145-KW Split Field Blind Replicate Sample of 080508-145-KW 080508-145-KW 080508-145-KW 080508-146-KW Field Blind Replicate Sample of 080508-145-KW 080508-141-KW 080508-111-KW	06 May 2008 06 May 2008 08 May 2008 07 May 2008 08 May 2008 09 May 2008	<5 4.9 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4	C C C C C C C C	27.3 3.4 31.2 3.4 31.2 2.1 3.5 2.2 2.6 2 3.1 7.2 12 <1 20 1.6 3.2 5.8 1 1.9 1.6 3.2 5.3 1.4 4.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	<5 11 3.4 1.6 1.8 9.5 8.4 7.9 5.3 2.3 2.3 1.8 1.6 <5 12 13 <1 110 2.6 <1 <1 <1 6.3 1.5 8.5 9.7 13 <1 6.3 1.6 6.3 1.5 8.5 1.6 6.3 1.6 3.6 3.6 3.6 3.6 3.7	CS S.4 C C C C C C C C C	1.2	36 12 28 29 18 9 12 40 38 33 9.7 5.3 3.3 <5 48 32 23 <11 320 49 49 4.5 14 12 32 43 73 48 150	Color Colo

		Table 11: Soil Analytical Resul	ts - Metals ¹								
Location	Sample Depth (m)	Sample ID	Date Sampled Units	mg/kg	Cadmium Cadmium	Chromium	Copper Copper	mg/kg	mg/kg	Zinc mg/kg	Mercury Mercury
SP4 Enterprise			•								
ABH261	0-0.2	120508-244-KW	12 May 2008	< 4	< 1	4.1	22	1.6	100	130	< 0.1
ABH265	0-0.1	120508-228-KW	12 May 2008	4.7	< 1	5.1	8.3	2.3	21	32	< 0.1
ABH265	0.9-1.1	120508-229-KW	12 May 2008	< 4	< 1	< 1	1.2	< 1	< 1	2.1	< 0.1
ABH265	0.9-1.1	120508-230-KW Split Field Duplicate Sample of 120508-229-KW	12 May 2008	< 5	< 1	< 2	< 5	< 2	< 5	< 5	< 0.1
ABH266 ABH267	1.2-1.3 0-0.2	120508-227-KW 120508-223-KW	12 May 2008 12 May 2008	5.8	< 1	15 2.3	15 6.4	2.8 1.2	18 23	59 26	< 0.1
ABH268	0-0.2	120508-275-KW	12 May 2008	< 4	< 1	4.6	11	2.6	28	33	0.24
RE1 Public Recreati											
ABH270	0.1-0.2	130508-311-KW	13 May 2008	< 4	< 1	< 1	1.3	< 1	2.7	5.1	< 0.1
ABH270	1.5-1.6	130508-312-KW	13 May 2008	< 4	< 1	< 1	< 1	< 1	1.2	< 1	< 0.1
ABH271	0-0.2	130508-308-KW	13 May 2008	12	< 1	8.8	20	4.5	36	42	0.29
ABH271	0.4-0.5	130508-309-KW	13 May 2008	< 4	< 1	< 1	1.8	< 1	< 1	< 1	< 0.1
ABH272	0.1-0.5	130508-304-KW	13 May 2008	< 4	< 1	4.1	13	2	72	120	0.12
ABH272	0.1-0.5	130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008	< 4	< 1	4.8	17	2.2	81	110	0.18
ABH272 ABH273	2.1-2.2 0.05-0.15	130508-307-KW 130508-292-KW	13 May 2008 13 May 2008	24 < 4	1.3	59 5.3	36 8.6	15 2.5	92 25	250 38	< 0.1
ABH273	0.05-0.15	130508-292-KW 130508-293-KW	13 May 2008 13 May 2008	< 4	< 1	2.8	3.7	< 1	13	17	< 0.1
ABH274	0.5-0.6	130508-290-KW	13 May 2008	< 4	< 1	1.9	2.3	< 1	5.5	6.5	< 0.1
ABH275	0.8-1.2	130508-286-KW	13 May 2008	< 4	< 1	<1	< 1	< 1	< 1	3.5	< 0.1
ABH275	0.8-1.2	130508-287-KW Field Blind Replicate Sample of 130508-286-KW	13 May 2008	< 4	< 1	< 1	< 1	< 1	< 1	1.3	< 0.1
ABH275	0.8-1.2	130508-288-KW Split Field Duplicate of 130508-286-KW	13 May 2008	< 5	< 1	< 2	< 5	< 2	< 5	< 5	< 0.1
ABH276	0.05-0.25	130508-282-KW	13 May 2008	4.5	< 1	16	45	11	110	150	0.16
ABH276	0.8-1	130508-283-KW	13 May 2008	4	< 1	19	66	18	120	110	0.16
SP4 Enterprise	1										
ABH277	1.1-1.2	130508-280-KW	13 May 2008	12	< 1	7.3	15	3.9	45	14	0.15
ABH277	2.1-2.2	130508-281-KW	13 May 2008	< 4	< 1	8.4	2	1.1	4.3	3.6	< 0.1
RE1 Public Recreation ABH283	0-0.2	150500 201 VW	15 M 2009	26	< 1	50	40	6.4	7.5	77	0.37
ABH284	1.3-1.6	150508-381-KW 150508-385-KW	15 May 2008 15 May 2008	< 4	< 1	58 2	48 1.7	1.3	75 2.7	25	< 0.1
ABH284	1.3-1.6	150508-386-KW Field Blind Replicate Sample of 150508-385-KW	15 May 2008	< 4	< 1	1.1	1.4	1.3	1.2	16	< 0.1
ABH284	1.3-1.6	150508-387-KW Split Field Duplicate of 150508-385-KW	15 May 2008	< 5	< 1	4	6	8	9	26	< 0.1
SP4 Enterprise		•	•		•				•	•	•
ABH285	0-0.2	150508-389-KW	15 May 2008	11	< 1	21	30	7.5	160	150	0.53
ABH286	0.1-0.3	150508-391-KW	15 May 2008	< 4	< 1	2.2	3.5	1.4	11	14	< 0.1
ABH286	2.3-2.5	150508-393-KW	15 May 2008	< 4	< 1	4.2	< 1	< 1	2.1	1.9	< 0.1
ABH286	2.3-2.5	150508-394-KW Field Blind Replicate Sample of 150508-393-KW	15 May 2008	< 4	< 1	4.1	< 1	1	1.8	1.2	< 0.1
RE1 Public Recreati		150500 270 KW	1534 2000	4.5	- 1	7.4	5.4	2.2	1.4	21	T + 0.1
ABH287 ABH287	0-0.4 0-0.4	150508-378-KW 150508-379-KW Field Blind Replicate Sample of 150508-378-KW	15 May 2008 15 May 2008	4.5 < 4	< 1	7.4 5.9	5.4	2.3	14 18	31 26	< 0.1
ABH288	0.7-0.8	150508-374-KW	15 May 2008	7.6	< 1	8.9	4.5	2.8	5.6	11	< 0.1
ABH289	0-0.3	150508-370-KW	15 May 2008	22	< 1	42	28	8.5	65	88	0.3
ABH289	0-0.3	150508-371-KW Field Blind Replicate Sample of 150508-370-KW	15 May 2008	25	< 1	53	40	9.5	77	100	0.44
ABH290	1.3-1.4	150508-359-KW	15 May 2008	7.7	< 1	22	19	5.2	48	67	0.3
SP4 Enterprise											
ABH291	0.1-0.5	150508-352-KW	15 May 2008	< 4	< 1	2	2.2	1.9	64	14	< 0.1
ABH291	0.1-0.5	150508-353-KW Field Blind Replicate Sample of 150508-352-KW	15 May 2008	< 4	< 1	1.6	2.7	1.4	140	20	< 0.1
ABH291	0.1-0.5	150508-354-KW Split Field Duplicate of 150508-352-KW	15 May 2008	< 5	< 1	< 2	< 5	< 2	46	13	< 0.1
ABH291 ABH291	2.7-2.8 4-4.2	150508-356-KW 150508-357-KW	15 May 2008 15 May 2008	< 4	< 1	4.9 5.4	1.1	2.1	2.8	4	< 0.1
RE1 Public Recreati		150500-5577-IXW	15 May 2000	. 7	- 1	J.T	1.1	2.1	2.0		- 0.1
ABH293	0.4-0.5	130508-328-KW	13 May 2008	< 4	< 1	6.5	9.4	3.6	56	42	< 0.1
ABH293	2.1-2.2	130508-330-KW	13 May 2008	19	2.4	50	40	15	120	260	0.65
ABH294	0.5-0.6	150508-368-KW	15 May 2008	18	1	34	26	11	61	110	0.27
ALG204	1.6-1.7	150508-377-KW	15 May 2008	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 0.1
ALG205	1.1-1.2	150508-364-KW	15 May 2008	< 4	< 1	3.5	3.1	2.3	5.3	30	< 0.1
ALG205	2.6-2.8	150508-365-KW	15 May 2008	< 4	< 1	3.7	3.9	< 1	8.9	33	< 0.1
AMW204	0.9-1	080508-119-KW	08 May 2008	19	< 1	27	8.1	9.8	20	29	< 0.1
AMW204 AMW205	2.6-2.8 0.1-0.2	080508-120-KW 080508-155-KW	08 May 2008 08 May 2008	22 < 4	< 1	6.7 1.5	< 1	5.1 < 1	2.6 5.8	3.2 16	< 0.1
AMW205	2-2.2	080508-157-KW	08 May 2008	< 4	< 1	2.4	< 1	1.3	1.1	10	< 0.1
AMW207	0.5-0.7	120508-219-KW	12 May 2008	9.9	< 1	20	7500	59	350	540	< 0.1
AMW207	1.4-1.5	120508-220-KW	12 May 2008	< 4	< 1	3.8	12	3.7	7.2	13	< 0.1
					< 1	6.1	1.6	2.9			< 0.1

		Table 11: Soil Analytical Resul	lts - Metals ¹								
Location	Sample Depth (m)	Sample ID	Date Sampled Units	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury
BBH403	1.1-1.4	280408-13-KW Field Blind Replicate Sample of 280408-12-KW	28 Apr 2008	mg/kg 5.8	mg/kg < 1	mg/kg 5.2	mg/kg 3.4	mg/kg 1.9	mg/kg 11	mg/kg 7.5	mg/kg < 0.1
BBH403	1.1-1.4	280408-14-KW Split Field Duplicate of 280408-12-KW	28 Apr 2008	11	< 1	4	< 5	< 2	< 5	< 5	< 0.1
BBH404	0-0.1	280408-15-KW	28 Apr 2008	< 4	< 1	14	24	42	12	40	< 0.1
BBH405	0-0.2	290408-48-KW	28 Apr 2008	< 4	< 1	4.2	3.6	2.3	68	25	< 0.1
BBH405	0.4-0.5	290408-49-KW	28 Apr 2008	< 4	< 1	4	9.9	6.2	140	62	0.15
BBH407 BBH411	0.05-0.15 0.2-0.4	290408-43-KW 290408-36-KW	29 Apr 2008 29 Apr 2008	7.3	< 1	7	6.1	6.1 7.1	43 16	29 13	< 0.1
BBH411	0.8-0.9	290408-37-KW	29 Apr 2008	9.7	< 1	70	90	49	230	180	< 0.1
BBH415	0.1-0.3	300408-78-KW	30 Apr 2008	9.6	< 1	13	19	1.6	13	9.1	< 0.1
SP4 Enterprise											
BBH421	0-0.1	300408-105-KW	30 Apr 2008	< 4	< 1	3.1	5.2	1.2	16	22	< 0.1
BBH422	2-2.2	300408-113-KW	30 Apr 2008	29	1.9	38	15	16	40	110	0.33
RE1 Public Recreatio		200400 04 17W	20.4. 2000	1.1	- 1	2.7	_	2.2	20	61	-01
BBH423 BBH423	0.1-0.3 0.7-0.8	300408-81-KW 300408-82-KW	30 Apr 2008 30 Apr 2008	4.7	< 1	3.7 5	5 6.7	2.3 3.2	20 10	51 7.4	< 0.1
BBH423 BBH460	0-0.15	010508-114-KW	01 May 2008	5.2	< 1	7.5	7	1.7	18	22	2.5
BMW401	0.15-0.35	020508-187-KW	02 May 2008	< 4	< 1	2.8	4.1	1.1	75	27	0.11
BMW401	1.3-1.4	020508-188-KW	02 May 2008	< 4	1	35	110	12	360	200	3.7
BBH454	0-0.1	010508-126-KW	01 May 2008	6.5	< 1	8.4	6	3.8	12	24	< 0.1
BBH454	2.2-2.3	010508-128-KW	01 May 2008	< 4	< 1	5.9	44	1.1	36	57	0.36
BBH406	0.1-0.2	290408-46-KW	29 Apr 2008	15	< 1	26	79	4.2	130	120	0.34
BBH406	0.6-0.8	290408-47-KW	29 Apr 2008	38	< 1	7.3	12	2.1	62	43	0.27
BBH409	0.2-0.5	290408-39-KW	29 Apr 2008	82	< 1	73	160	3.8	290	140	0.49
BBH409	0.2-0.5	290408-40-KW Field Blind Replicate Sample of 290408-39-KW	29 Apr 2008	40	< 1	97	150	4.3	360	150	0.58
BBH409 BBH417	0.2-0.5 0.2-0.4	290408-41-KW Split Field Duplicate of 290408-39-KW 290408-29-KW	29 Apr 2008 29 Apr 2008	56 8.7	< 1	72 16	133 60	9.2	268 69	111 160	0.3
BBH429	0-0.1	010508-152-KW	01 May 2008	< 4	< 1	8.4	36	9.2	160	100	0.15
BBH429 BBH429	2.4-2.5	010508-152-KW 010508-155-KW	01 May 2008 01 May 2008	14	< 1	15	90	30	450	420	2.1
SP4 Enterprise											
BBH430 RE1 Public Recreatio	2.4-2.6	300408-107-KW	30 Apr 2008	44	3	65	260	59	2100	1100	0.65
BBH431	0.1-0.2	300408-84-KW	30 Apr 2008	< 4	< 1	3.1	5.1	1.1	13	25	< 0.1
BBH431	0.5-0.6	300408-85-KW	30 Apr 2008	< 4	< 1	7.4	12	2.8	9.3	23	< 0.1
BBH432	0-0.1	010508-160-KW	01 May 2008	10	< 1	20	24	6.8	59	120	0.26
SP4 Enterprise											
BBH433	0.1-0.3	010508-156-KW	01 May 2008	16	< 1	19	66	12	110	190	0.4
BBH433	0.1-0.3	010508-157-KW Field Blind Replicate Sample of 010508-156-KW	01 May 2008	7.9	< 1	14	41	6.6	160	180	0.35
BBH433	2.4-2.5	010508-159-KW	01 May 2008	28	7.7	87	180	18	4400	7800	0.93
BBH434	0-0.2	300408-108-KW	30 Apr 2008	< 4	< 1	2.5	5.9	< 1	30	36	< 0.1
BBH434 BBH435	0.5-0.6 0.1-0.3	300408-109-KW 300408-110-KW	30 Apr 2008 30 Apr 2008	< 4 4.8	< 1	1.9 7.3	3.3	< 1 2.2	42 55	75 42	< 0.1
RE1 Public Recreatio		300408-110-KW	30 Apr 2008	4.8	< 1	7.3	13	2.2	33	42	0.12
BBH436	0.1-0.3	300408-87-KW	30 Apr 2008	< 4	< 1	7.1	6.4	1.8	26	40	< 0.1
BBH436	0.5-0.6	300408-87-KW 300408-88-KW	30 Apr 2008	4.5	< 1	3.7	4.8	1.0	3.9	17	< 0.1
BBH439	0.1-0.2	010508-133-KW	01 May 2008	8.2	< 1	21	34	12	75	110	0.22
BBH439	0.2-0.4	010508-134-KW	01 May 2008	11	1.1	20	71	17	140	260	0.54
BBH440	0.2-0.4	010508-148-KW	01 May 2008	< 4	< 1	2	2.4	< 1	4	6.5	< 0.1
BBH440	1-1.1	010508-149-KW	01 May 2008	< 4	< 1	1	3.8	< 1	2.7	9.5	< 0.1
SP4 Enterprise											
BBH441	0-0.2	010508-150-KW	01 May 2008	< 4	< 1	2.5	6.1	1.3	110	39	< 0.1
BBH442	0.1-0.4	300408-101-KW	30 Apr 2008	5	< 1	7.8	86	2.4	48	86	0.22
BBH442	0.1-0.4	300408-102-KW Field Blind Replicate Sample of 300408-101-KW	30 Apr 2008	< 4	< 1	5.8	40	1.8	30	61	0.12
RE1 Public Recreation BBH443	0.4-0.5	300408-89-KW	30 Apr 2008	5.2	Z 1	00	I 11	< 1	0.1	2.1	< 0.1
BBH443	0.4-0.5	300408-89-KW 300408-90-KW Field Blind Replicate Sample of 300408-89-KW	30 Apr 2008 30 Apr 2008	5.3	< 1	8.8 4.6	6.3	1.2	9.1 8.6	2.1 8.4	< 0.1
BBH443	2.2-2.4	300408-91-KW	30 Apr 2008	11	< 1	10	2.2	2.7	4.4	2.7	< 0.1
BBH445	0.1-0.4	010508-136-KW	01 May 2008	< 4	< 1	1.4	1.9	< 1	3	6.9	< 0.1
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 4	< 1	1.4	2.3	< 1	5	8.7	< 0.1
BBH445	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	<5	<1	3	6	<2	18	18	< 0.1
BBH445	1.8-1.9	010508-139-KW	01 May 2008	23	< 1	38	17	12	40	89	0.48
SP4 Enterprise	0100	010500 ****	0134 2005	1.			1 00	2.5		6.	0.00
BBH446	0.1-0.2	010508-146-KW	01 May 2008	11	< 1	11	26	3.5	66	84	0.27
BBH447 BBH448	0.1-0.2 0.1-0.2	010508-144-KW 300408-98-KW	01 May 2008 30 Apr 2008	< 4 7.4	< 1	1.6	3.8	< 1 4.5	51 22	25 30	< 0.1
RE1 Public Recreation		300+00-70-KW	30 Apr 2000	7.4	- 1	13	10	7.5	22	50	. 0.1
BBH450	0.4-0.5	010508-140-KW	01 May 2008	< 4	< 1	< 1	< 1	< 1	1.9	3	< 0.1
BBH450	0.8-1	010508-141-KW	01 May 2008	< 4	< 1	< 1	< 1	1.5	1.1	2.2	< 0.1
BBH451	0-0.2	010508-142-KW	01 May 2008	4.7	< 1	9.7	19	3.4	58	52	< 0.1
SP4 Enterprise BBH452	0.1-0.2	300408-96-KW	30 Apr 2008	8.5	> 1	14	21	5.5	48	۷0	0.25
RE1 Public Recreatio		3UU4U8-70-KW	30 Apr 2008	6.5	< 1	14	21	3.3	48	68	0.25
BBH453	0.2-0.3	300408-92-KW	30 Apr 2008	< 4	< 1	8.3	12	2.7	25	18	< 0.1
BBH455	0.1-0.2	010508-120-KW	01 May 2008	< 4	< 1	1.8	1.3	1.2	4.9	17	< 0.1
BBH455	0.5-0.6	010508-121-KW	01 May 2008	22	< 1	44	30	7.5	54	56	0.3
BBH456	0.2-0.4	010508-118-KW	01 May 2008	< 4	< 1	7.5	5.3	1.3	120	78	< 0.1
BBH456	1-1.2	010508-119-KW	01 May 2008	< 4	< 1	< 1	< 1	< 1	1.7	2.3	< 0.1
BBH457	0.45-0.6	300408-94-KW	30 Apr 2008	< 4	< 1	5.1	12	11	3.3	9.9	< 0.1
BBH457	1.1-1.2	300408-95-KW	30 Apr 2008	12	< 1	20	3.5	6.6	8.3	13	< 0.1
HIL-C Recreationa				300	90	-	17000	1200	600	30000	80
HIL-D Commercial				3000	900	200	240000	6000	1500	400000	730
EIL - Urban reside EIL - Commercial/	ntial / public open sp	acc		100 160	-	200 320	103 148	35 60	1131	275 405	-
	tion level are shown in bold tex			100		520	140	00	1001	703	

<### Represents results below the laboratory Practical Quantitation Limit. nt = Not Tested
-- = Action Level not established

| | Sample | | e 12: Soil Analytics Date Sampled | (O-9)
 | C10 - C14
 | C15.C28 | C29 - C36 | Benzene

 | Foluene | Ethy Benzene | ta-& para-
Xylene | ortho-Xylene | Fotal Xylenes |
|--|--|--|--
--
--|--|---|--
--
--
--
--|--|---|--|--|---|
| Location | Depth (m) | Sample ID | | HALL
 | TPH
 | TPH | HALL |

 | | | ě | | |
| SP4 Enter | prise
0.45-0.55 | 090508-192-KW | Units
09 May 2008 | mg/kg
< 25
 | mg/kg
< 50
 | mg/kg
< 100 | mg/kg
< 100 | mg/kg
< 0.5

 | mg/kg
< 0.5 | mg/kg | mg/kg | mg/kg | mg/kg
< 1 |
| ABH202
ABH202
ABH204 | 1.9-2.2
3.8-4
0.1-0.4 | 090508-202-KW
150508-601-KW
070508-55-KW | 09 May 2008
15 May 2008
07 May 2008 | < 25
< 25
< 25
 | < 50
< 50
< 50
 | < 100
< 100
< 100 | < 100
< 100
< 100 | < 0.5
< 0.5
< 0.5

 | < 0.5
< 0.5
< 0.5 | <1
<1
<1 | < 2
< 2
< 2 | <1
<1
<1 | <1
<1
<1 |
| ABH204
ABH204 | 0.1-0.4
0.1-0.4 | 070508-56-KW Field Blind Replicate Sample of 070508-55-KW
070508-57-KW Split Field Duplicate of 070508-55-KW | 07 May 2008
07 May 2008 | < 25
< 10
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.2

 | < 0.5 | < 1
< 0.5 | < 2 | < 1
< 0.5 | < 1
< 0.5 |
| ABH210
ABH210 | 0.1-0.2
0.1-0.2
0.3-0.5 | 060508-49-KW
060508-46-KW
060508-47-KW | 06 May 2008
06 May 2008
06 May 2008 | < 25
< 25
< 25
 | < 50
50
< 50
 | < 100
< 100
< 100 | < 100
< 100
< 100 | < 0.5
< 0.5
< 0.5

 | < 0.5
< 0.5
< 0.5 | <1
<1
<1 | < 2
< 2
< 2 | <1
<1
<1 | <1
<1
<1 |
| ABH2103
ABH2103 | 0.9-1
1.3-1.4 | 090508-197-KW
090508-199-KW | 09 May 2008
09 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5 | <1 | < 2
< 2 | <1 | <1
<1 |
| ABH2104
ABH2105
ABH2105 | 0.3-0.5
1.4-1.5
2.8-3 | 090508-198-KW
150508-333-KW
150508-346-KW | 09 May 2008
15 May 2008
15 May 2008 | < 25
200
< 25
 | < 50
720
< 50
 | < 100
130
< 100 | < 100
< 100
< 100 | < 0.5
8.9
< 0.5

 | < 0.5
2.1
< 0.5 | < 1
22
< 1 | < 2
53
< 2 | < 1
3.4
< 1 | < 1
56.4
< 1 |
| ABH2105
ABH2106 | 3.8-4
1.1-1.2 | 150508-600-KW
090508-205-KW | 15 May 2008
09 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5 | <1 | < 2
< 2 | <1 | <1
<1 |
| ABH2107
ABH2107 | 0.5-0.6
1-1.1
1.5-1.6 | 150508-340-KW
150508-341-KW
150508-342-KW | 15 May 2008
15 May 2008
15 May 2008 | < 25
1400
1900
 | < 50
2400
4300
 | < 100
190
590 | < 100
< 100
< 100 | < 0.5
51
96

 | < 0.5
390
470 | < 1
120
88 | < 2
470
340 | < 1
160
130 | < 1
630
470 |
| ABH2108
ABH2108 | 0.1-0.2
1.1-1.2 | 150508-343-KW
150508-345-KW | 15 May 2008
15 May 2008 | < 25
860
 | < 50
2900
 | < 100
270 | < 100
< 100 | < 0.5
28

 | < 0.5
150 | < 1
59 | < 2
250 | < 1
88 | <1
338 |
| ABH2108
ABH2108
ABH212 | 3-3.1
4.2-4.5
0.35-0.45 | 150508-347-KW
150508-348-KW
080508-161-KW | 15 May 2008
15 May 2008
08 May 2008 | < 25
< 25
< 25
 | < 50
< 50
< 50
 | < 100
< 100
< 100 | < 100
< 100
< 100 | < 0.5
< 0.5
< 0.5

 | < 0.5
< 0.5
< 0.5 | <1
<1
<1 | < 2
< 2
< 2 | <1
<1
<1 | <1
<1
<1 |
| ABH217
ABH219 | 0.2-0.5
0-0.2
0.2-0.3 | 060508-44-KW
060508-08-KW
060508-04-KW | 06 May 2008
06 May 2008 | < 25
< 25
< 25
 | < 50
< 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5
< 0.5 | <1
<1 | < 2
< 2
< 2 | <1 | <1 |
| ABH220
ABH221
REI Publi | 0.75-0.85
c Recreation | 080508-05-KW | 06 May 2008
08 May 2008 | < 25
 | < 50
 | 130
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5
< 0.5 | <1 | < 2 | <1 | <1 |
| BBH401
BBH402 | 0.5-0.6
0.8-0.9 | 280408-02-KW
280408-07-KW | 28 Apr 2008
28 Apr 2008 | < 25
nt
 | < 50
nt
 | < 100
nt | < 100
nt | < 0.5
< 0.5

 | < 0.5 | <1
<1 | < 2
< 2 | <1 | <1 |
| BBH426
BBH438
SP4 Enter | 1.7-1.8
1.9-2
prise | 290408-71-KW
290408-73-KW | 29 Apr 2008
30 Apr 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
200 | < 0.5
< 0.5

 | < 0.5
< 0.5 | <1 | < 2
< 2 | <1 | <1 |
| ABH225
ABH226 | 0.2-0.6
0.1-0.2 | 060508-34-KW
060508-20-KW | 06 May 2008
06 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5
< 0.5 | < 1
< 1 | < 2
< 2 | <1 | <1
<1 |
| ABH227
ABH227
ABH229 | 0.2-0.6
0.2-0.6
0.5-0.8 | 060508-17-KW
060508-18-KW Field Blind Replicate Sample of 060508-17-KW
060508-14-KW | 06 May 2008
06 May 2008
06 May 2008 | < 25
< 25
< 25
 | < 50
< 50
< 50
 | < 100
< 100
< 100 | < 100
< 100
< 100 | < 0.5
< 0.5
< 0.5

 | < 0.5
< 0.5
< 0.5 | <1
<1
<1 | < 2
< 2
< 2 | <1
<1
<1 | <1
<1
<1 |
| ABH229
ABH229 | 0.5-0.8
0.5-0.8 | 060508-15-KW Field Blind Replicate Sample of 060508-14-KW
060508-16-KW Split Field Duplicate of 060508-14-KW | 06 May 2008
06 May 2008 | < 25
<10
 | < 50
<50
 | < 100
<100 | < 100
<100 | < 0.5
< 0.2

 | < 0.5
< 0.5 | < 1
<0.5 | < 2
<0.5 | < 1
<0.5 | < 1
<0.5 |
| ABH231
ABH231 | 0.5-0.6
0.6-0.7
0.6-0.7 | 080508-149-KW
080508-152-KW
080508-153-KW Field Blind Replicate Sample of 080508-152-KW | 08 May 2008
08 May 2008
08 May 2008 | < 25
< 25
< 25
 | < 50
< 50
< 50
 | < 100
< 100
< 100 | < 100
< 100
< 100 | < 0.5
< 0.5
< 0.5

 | < 0.5
< 0.5
< 0.5 | <1
<1
<1 | < 2
< 2
< 2 | <1
<1
<1 | <1
<1
<1 |
| ABH238
ABH240 | 1.5-1.6
0.1-0.4 | 060508-26-KW
080508-123-KW | 06 May 2008
08 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5
< 0.5 | < 1 | < 2
< 2 | <1 | < 1
< 1 |
| ABH240
ABH240
ABH240 | 0.1-0.4
0.1-0.4
0.8-1 | 080508-124-KW Field Blind Replicate Sample of 080508-123-KW
080508-125-KW Split Field Duplicate of 080508-123-KW
080508-126-KW | 08 May 2008
08 May 2008
08 May 2008 | < 25
< 10
nt
 | < 50
< 50
nt
 | < 100
< 100
nt | < 100
< 100
nt | < 0.5
< 0.2
< 0.5

 | < 0.5
< 0.5
< 0.5 | < 1
< 0.5
< 1 | < 2
< 0.5
< 2 | < 1
< 0.5
< 1 | < 1
< 0.5
< 1 |
| ABH241
ABH243 | 0.5-0.6
0.2-0.3 | 080508-128-KW
080508-142-KW | 08 May 2008
08 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5

 | < 0.5 | <1 | < 2 | <1 | <1 |
| ABH247
ABH247 | 0.1-0.4
0.1-0.4 | 070508-98-KW
070508-99-KW Field Blind Replicate Sample of 070508-98-KW | 07 May 2008
07 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5
< 0.5 | <1 | < 2 | <1 | <1 |
| ABH248
SP4 Enter | 2.6-2.8
prise | 080508-108-KW | 08 May 2008 | < 25
 | < 50
 | < 100 | < 100 | < 0.5

 | < 0.5 | < 1 | < 2 | <1 | < 1 |
| ABH249
ABH250
ABH252 | 1-1.1
0.7-0.9
0.6-0.8 | 080508-110-KW
080508-114-KW
080508-131-KW | 08 May 2008
08 May 2008
08 May 2008 | < 25
< 25
< 25
 | < 50
< 50
< 50
 | < 100
< 100
< 100 | < 100
< 100
< 100 | < 0.5
< 0.5
< 0.5

 | < 0.5
< 0.5
< 0.5 | <1
<1
<1 | < 2
< 2
< 2 | <1
<1
<1 | <1
<1
<1 |
| ABH253
ABH254 | 2-2.1
0-0.1 | 080508-135-KW
080508-136-KW | 08 May 2008
08 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5
< 0.5 | <1
<1 | < 2
< 2 | <1 | < 1
< 1 |
| ABH255
REI Publi
ABH259 | 0.9-1
c Recreation
0.6-0.7 | 080508-140-KW
120508-249-KW | 08 May 2008
12 May 2008 | < 25
 | < 50
 | < 100 | < 100 | < 0.5

 | < 0.5 | <1 | < 2 | <1 | <1 |
| ABH260
ABH260 | 0.6-0.8
0.6-0.8 | 120508-245-KW
120508-246-KW Field Blind Replicate Sample of 120508-245-KW | 12 May 2008
12 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5 | <1 | < 2
< 2 | <1 | <1 |
| ABH261
ABH263 | 0-0.2
1-1.2 | 120508-244-KW
120508-236-KW | 12 May 2008
12 May 2008 | < 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5 | <1 | < 2 | <1 | <1 |
| ABH265
ABH266 | 0-0.1
1.2-1.3 | 120508-228-KW
120508-227-KW | 12 May 2008
12 May 2008 | < 25
< 25
 | < 50
< 50
 | < 100
< 100 | < 100
< 100 | < 0.5
< 0.5

 | < 0.5 | <1 | < 2
< 2 | <1 | <1
<1 |
| ABH275
ABH275
ABH275 | 0.8-1.2
0.8-1.2
0.8-1.2 | 130508-286-KW
130508-287-KW Field Blind Replicate Sample of 130508-286-KW
130508-288-KW Split Field Duplicate of 130508-286-KW | 13 May 2008
13 May 2008
13 May 2008 | nt
nt
 | nt
nt
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nt | nt
nt | < 0.5
< 0.5
< 0.2

 | < 0.5
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< 0.5 | < 1
< 1
< 0.5 | < 2
< 2
< 0.5 | < 1
< 1
< 0.5 | < 1
< 1
< 0.5 |
| | c Recreation | | |
 |
 | | |

 | | | | | |
| ABH276 | 0.8-1 | 130508-283-KW | 13 May 2008 | nt
 | nt
 | nt | nt | < 0.5

 | < 0.5 | < 1 | < 2 | < 1 | < 1 |
| ABH276
SP4 Enter
ABH277 | 0.8-1
prise
2.1-2.2 | 130508-283-KW
130508-281-KW | 13 May 2008
13 May 2008 | nt < 25
 | nt < 50
 | nt < 100 | nt < 100 | < 0.5

 | < 0.5 | <1 | < 2 | <1 | <1 |
| ABH276
SP4 Enter
ABH277
RE1 Publi
ABH281
ABH287 | 0.8-1
prise
2.1-2.2
c Recreation
0-0.2
0-0.4 | 130508-281-KW
130508-302-KW
150508-378-KW | 13 May 2008
13 May 2008
15 May 2008 | < 25
< 25
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 | < 50
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< 100 | < 100
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 | < 0.5
< 0.5
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| ABH276
SP4 Enter
ABH277
RE1 Publi
ABH281 | 0.8-1 prise 2.1-2.2 c Recreation 0-0.2 0-0.4 0-0.4 0.7-0.8 0-0.3 | 130508-281-KW
130508-302-KW | 13 May 2008
13 May 2008
15 May 2008
15 May 2008
15 May 2008
15 May 2008 | < 25
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| ABH276
SP4 Enter
ABH277
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ABH281
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ABH288
ABH289
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ABH289 | 0.8-1 prise 2.1-2.2 c Recreation 0-0.2 0-0.4 0-0.4 0.7-0.8 0-0.3 0-0.3 prise | 130506.21 A.W
130506.30 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W | 13 May 2008
13 May 2008
15 May 2008
15 May 2008
15 May 2008
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| ABH276
SP4 Enter
ABH277
RE1 Publi
ABH281
ABH287
ABH288
ABH288
ABH289
ABH289
ABH289
ABH289
ABH291
ABH291 | 0.8-1 prise 2.1-2.2 c Recreation 0-0.2 0-0.4 0-0.4 0.7-0.8 0-0.3 0-0.3 | 130108-321-XW 130108-302-XW 130108-302-XW 150108-372-XW 150108-372-XW 150108-372-XW 150108-372-XW 150108-372-XW 150108-372-XW 150108-372-XW 150108-372-XW 150108-372-XW | 13 May 2008
13 May 2008
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<2 | <1 | <1
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| ABH276
SP4 Enter
ABH277
RE1 Publi
ABH281
ABH287
ABH288
ABH289
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SP4 Enter
ABH291
ABH291
ABH291
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ABH291
ABH291
ABH291
ABH293 | 0.8-1 prise 2.1-2.2 c Recreation 0-0.2 0-0.4 0.7-0.8 0-0.3 0-0.3 prise 0.1-0.5 0.1-0.5 c Recreation | 130506.21 A.W
130506.30 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W
150508.37 A.W
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13 May 2008
15 May 2008 | < 25 < 25 < 25 < 25 < 25 nt < 25 < 25 < 25 < 25 < 25 < 25 < 25
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| ABH276
SP4 Enter
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ABH287
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SP4 Enter
ABH291
ABH291
REI Publi | 0.8-1 prise 2.1-2.2 c Recreation 0-0.2 0-0.4 0.7-0.8 0-0.3 0-0.3 prise 0.1-0.5 0.1-0.5 c Recreation | 136/08-251-KW 136/08-391-KW 156/08-375-KW 156/08-355-KW | 13 May 2008
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| ABH276 SP4 Enter ABH277 RE1 Publi ABH281 ABH287 ABH288 ABH289 ABH289 SP4 Enter ABH291 ABH291 ABH291 ABH293 RE1 Publi ABH293 ABH293 ABH293 ABH293 ABH297 ABH297 ABH297 ABH2999 ABH2999 | 0.8-1 | 13006.251.4.W 13006.251.4.W 15006.373.W | 13 May 2008 13 May 2008 15 May 2008 | <25 <25 <25 <25 <25 nt <25 <25 <25 <10 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25
 | < 50 < 50 < 50 < 50 < 50 < 50 nt < 50 < 50 < 50 < 50 < 50 < 50 < 50 < 50 | <100 <100 <100 <100 <100 nt <100 <100 <100 <100 <100 <100 <100 <10
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| ABH276 SP4 Enter ABH277 RE1 Publi ABH281 ABH287 ABH288 ABH289 ABH289 SP4 Enter ABH291 ABH291 ABH291 ABH293 RE1 Publi ABH293 ABH293 ABH293 ABH293 ABH297 ABH297 ABH297 ABH2999 ABH2999 | 0.8-1 prise 21.2.2 c Recreation 0.0.2 0.04 0.04 0.04 0.04 0.03 0.03 0.03 0.10.5 0.14.5 0.14.5 0.14.5 0.14.5 0.14.5 0.14.5 0.10.5 c Recreation 1.3-1.4 prise 0.9-1.0 0.9-1.0 0.9-1.0 0.9-1.0 0.9-1.0 0.9-1.0 0.9-1.0 0.9-1.0 | 138/08.251.4CW 12909.251.4CW 12909.251.4CW 15090.251.4CW | 13 May 2008 13 May 2008 15 May 2008 09 May 2008 09 May 2008 09 May 2008 09 May 2008 | <25 <25 <25 <25 <25 <25 <25 <10 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25
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| ABH276 SP4 Enter ABH277 RE1 Publi ABH281 ABH287 ABH288 ABH289 ABH289 SP4 Enter ABH291 RE1 Publi ABH291 RE1 Publi ABH293 SP4 Enter ABH299 ABH29 | 0.8.1 0.8.1 0.8.1 0.8.1 0.9.1 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.2 0.9.3 | 130906-351-KW 130908-W-1-KW 130908-W-1-KW 150908-T-K-W | 13 May 2008 13 May 2008 15 May 2008 16 May 2008 17 May 2008 18 May 2008 18 May 2008 19 May 2008 10 May 2008 12 May 2008 12 May 2008 | <25 <25 <25 <25 nt <25 <25 10 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25
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| ABH276 SP4 Enter ABH277 RE1 Publi ABH281 ABH287 ABH287 ABH289 ABH289 ABH289 ABH289 ABH289 ABH291 ABH291 ABH291 ABH291 ABH293 SP4 Enter ABH293 ABH293 ABH299 ABH299 RE1 Publi ABH297 ABH299 RE1 Publi AMW204 AMW2055 AMW2055 | 0.8.1 0.8.1 0.8.1 0.8.1 0.8.1 0.8.1 0.8.1 0.8.2 | 130008-251-KW 130008-251-KW 130008-375-KW 150008-375-KW 150008-355-KW | 13 May 2008 09 May 2008 09 May 2008 09 May 2008 09 May 2008 10 May 2008 10 May 2008 21 May 2008 22 May 2008 23 May 2008 | <25 <25 <25 <25 nt <25 <25 <26 nt <25 <25 <25 <25 <25 <25 <25 <25 <25 <25
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| ABHI276 ABHI276 ABHI277 ABHI287 ABHI28 | 0.8.1 prire 2.1.2.2 c Recreation 0.0.2 0.0.4 0.0.4 0.0.4 0.0.3 0.0.3 0.0.3 c 1.0.5 0.1.0.5 Recreation 0.1.0.5 Recreation 0.1.0.5 0.1.0 | 130508-321-KW 130508-375-KW 130508-375-KW 150508-375-KW | 13 May 2008 15 May 2008 16 May 2008 16 May 2008 16 May 2008 16 May 2008 17 May 2008 18 May 2008 28 May 2008 28 May 2008 29 May 2008 | <25 <25 <25 <25 <25 <25 <25 <25 <25 <25
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| ABILIZO ABILIZ | 0.8.1 pririe 2.1.22 c Recreation 0.02 c 0.02 c 0.04 c 0.04 c 0.04 c 0.05 | 15006.31.4.W 15006.39.4.W 15006.39.4.W 15006.37.4.W | 13 May 2008 15 May 2008 16 May 2008 10 May 2008 10 May 2008 10 May 2008 12 May 2008 22 Ag 2008 23 Ag 2008 24 Ag 2008 25 Ag 2008 25 Ag 2008 25 Ag 2008 26 Ag 2008 27 Ag 2008 27 Ag 2008 27 Ag 2008 28 Ag 2008 29 Ag 2008 29 Ag 2008 29 Ag 2008 20 Ag 2008 30 Ag 2008 | <25 < 25 < 25 < 25 < 25 < 25 < 25 < 25
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Location	Sample Depth (m)	Sample ID	Date Sampled Units	Naphthalene Salaba	Acenaphthylene 8kg	Myg Sylpan Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa Sylpa	Fluorene	benanthrene Phenanthrene	Anthracene Sk	Elloranthene	Byrene Say	Benzo(a)anthracene	Chrysene Sal/8m	Benzo(b)&(k)fluoranthe	Benzo(a)pyrene	Indeno(1,2,3-cd)pyren	Dibenz(a, h)anthracene	Benzo(g, h,i)perylene	Berzo(a)pyrene TEQ	mg/kg
SP4 Enter BBH437 ABH202	2.6-2.8 1.9-2.2	290408-77-KW 090508-202-KW	30 Apr 2008 09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.07	0.1	0.1	0.1	0.244	1.59 1.55
ABH204 ABH204 ABH204	0.1-0.4 0.1-0.4 0.1-0.4	070508-55-KW 070508-56-KW Field Blind Replicate Sample of 070508-55-KW 070508-57-KW Split Field Duplicate of 070508-55-KW	07 May 2008 07 May 2008 07 May 2008	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.3 0.25	0.1 0.3 0.25	0.1 0.1 0.25	0.1 0.2 0.25	0.22 0.4 nt	0.205 0.2 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.244 0.463 nt	1.725 2.4 3.5
ABH206 ABH207 ABH208	1-1.2 0.2-0.4 1.2-1.4	090508-209-KW 090508-207-KW 070508-68-KW	09 May 2008 09 May 2008 07 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.22 0.22 0.22	0.205 0.205 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.244 0.244	1.725 1.725 1.725
ABH209 ABH210 ABH2100	0.15-0.25 0.1-0.2 0.1-0.2	070508-62-KW 060508-46-KW 090508-171-KW	07 May 2008 06 May 2008 09 May 2008	0.1 0.2 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.3 0.1	0.1 0.3 0.1	0.1 0.1 0.1	0.1 0.2 0.1	0.22 0.3 0.22	0.205 0.1 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.453 0.244	1.725 2.3 1.725
ABH2101 ABH2102	0.4-0.5 0.7-0.8	090508-175-KW 090508-186-KW	09 May 2008 09 May 2008	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1	0.1 0.2	0.1	0.1 0.1	0.22 0.22	0.06 0.07	0.1	0.1 0.1	0.1 0.1	0.244 0.344	1.58 1.79
ABH2104 ABH2106 ABH2108	0.3-0.5 1.1-1.2 1.1-1.2	090508-198-KW 090508-205-KW 150508-345-KW	09 May 2008 09 May 2008 15 May 2008	0.1 0.1 30	0.1 0.1 0.1	0.1 0.1 0.6	0.1 0.1 1.2	0.1 0.1 5.1	0.1 0.1 1.5	0.1 0.1 4.8	0.1 0.1 4	0.1 0.1 1.4	0.1 0.1 1.3	0.22 0.22 1.4	0.1 0.205 0.8	0.1 0.1 0.5	0.1 0.1 0.1	0.1 0.1 0.3	0.244 0.244 4.446	1.62 1.725 53.1
ABH212 ABH213 ABH214	0.35-0.45 0.5-0.6 0.4-0.5	080508-161-KW 120508-212-KW 070508-71-KW	08 May 2008 12 May 2008 07 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.22 0.22 0.22	0.205 0.205 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.244 0.244	1.725 1.725 1.725
ABH218 ABH220 ABH221	0.4-0.5 0.2-0.3 0.75-0.85	060508-07-KW 060508-04-KW 080508-159-KW	06 May 2008 06 May 2008 08 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.22 0.22 0.22	0.07 0.205 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.244 0.244	1.59 1.725 1.725
ABH297 AMW203 AMW203	0.9-1.0 0.25-0.35 0.7-0.8	090508-166-KW 090508-188-KW 090508-189-KW	09 May 2008 09 May 2008 09 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.3 0.7	0.1 0.1 0.1	0.1 0.8 0.4	0.1 1 0.4	0.1 0.5 0.2	0.1 0.5 0.4	0.22 0.8 0.3	0.205 0.5 0.1	0.1 0.3 0.1	0.1 0.1	0.1 0.3 0.1	0.244 1.268 0.565	1.725 5.6 3.3
REI Public AMW203 BBH402	1.9-2 0.5-0.6	090508-190-KW 280408-06-KW	09 May 2008 28 Apr 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.1	0.244	1.725
BBH402 BBH426	0.8-0.9 0.5-0.6	280408-07-KW 280408-07-KW 290408-70-KW	28 Apr 2008 28 Apr 2008 29 Apr 2008	0.1 0.1 0.1	0.1 0.1	0.4 0.1 0.1	0.5 0.1 0.1	0.1 0.1	0.1 0.1	0.2 0.1	0.2 0.1	0.1 0.1	0.1 0.1	0.2 0.22	0.2 0.205	0.1 0.1	0.1 0.1	0.1 0.1	0.342 0.244	1.9 1.725
SP4 Enter ABH225 ABH226	0.2-0.6 0.1-0.2	060508-34-KW 060508-20-KW	06 May 2008 06 May 2008	0.1	0.1 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22 0.22	0.205 0.205	0.1	0.1	0.1	0.244	1.725 1.725
ABH226 ABH227 ABH227	0.4-0.5 0.2-0.6 0.2-0.6	060508-21-KW 060508-17-KW 060508-18-KW Field Blind Replicate Sample of 060508-17-KW	06 May 2008 06 May 2008 06 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.4 0.2	0.1 0.4 0.2	0.1 0.1 0.1	0.1 0.2 0.1	0.22 0.4 0.22	0.205 0.2 0.1	0.1 0.2 0.1	0.1 0.1 0.1	0.1 0.2 0.1	0.244 0.574 0.344	1.725 2.8 1.82
ABH227 ABH228 ABH229	0.2-0.6 0.2-0.3 0.1-0.3	060508-19-KW 060508-10-KW 060508-13-KW	06 May 2008 06 May 2008 06 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.3	0.1 0.2 0.3	0.1 0.1 0.1	0.1 0.1 0.2	0.22 0.22 0.3	0.205 0.07 0.2	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.344 0.453	1.725 1.69 2.3
ABH229 ABH229	0.5-0.8 0.5-0.8	060508-14-KW 060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008 06 May 2008	0.1	0.1	0.1	0.1 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22 0.22	0.205 0.205	0.1	0.1 0.1	0.1 0.1	0.244 0.244	1.725 1.725
ABH229 ABH231 ABH231	0.5-0.8 0.6-0.7 0.6-0.7	060508-16-KW Split Field Duplicate of 060508-14-KW 080508-152-KW 080508-153-KW Field Blind Replicate Sample of 080508-152-KW	06 May 2008 08 May 2008 08 May 2008	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	nt 0.22 0.22	0.25 0.205 0.205	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	nt 0.244 0.244	3.5 1.725 1.725
ABH232 ABH238 ABH239	1.9-2.1 1.5-1.6 0.4-0.5	060508-54-KW 060508-26-KW 080508-122-KW	06 May 2008 06 May 2008 08 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.22 0.22 0.22	0.205 0.205 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.244 0.244	1.725 1.725 1.725
ABH240 ABH240 ABH240	0.1-0.4 0.1-0.4 0.1-0.4	080508-123-KW 080508-124-KW Field Blind Replicate Sample of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW	08 May 2008 08 May 2008 08 May 2008	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.22 0.22 nt	0.205 0.205 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.244 0.244 nt	1.725 1.725 3.5
ABH243 REI Publi ABH247	0.2-0.3 ic Recreation 0.1-0.4	080508-142-KW 070508-98-KW	08 May 2008 07 May 2008	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.6	0.3	0.4	0.9	0.5	0.4	0.1	0.4	0.868	4.9 1.725
ABH247 ABH248	0.1-0.4 2.6-2.8	070508-99-KW Field Blind Replicate Sample of 070508-98-KW 080508-108-KW	07 May 2008 08 May 2008	0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1	0.1	0.1	0.1 0.1	0.1 0.1	0.22 0.22	0.205 0.205	0.1	0.1	0.1	0.244	1.725 1.725
ABH249 ABH249	1-1.1 1.2-1.4	080508-110-KW 080508-111-KW	08 May 2008 08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22 0.22	0.205 0.205	0.1	0.1	0.1	0.244 0.244	1.725 1.725
ABH250 ABH250 ABH254	0.7-0.9 1.5-1.6 0.6-0.7	080508-114-KW 080508-115-KW 080508-137-KW	08 May 2008 08 May 2008 08 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.3	0.1 0.1 0.1	0.1 0.1 0.8	0.1 0.1	0.1 0.1 0.3	0.1 0.1 0.4	0.22 0.22 0.9	0.205 0.205 0.5	0.1 0.1 0.3	0.1 0.1 0.1	0.1 0.1 0.3	0.244 0.244 1.257	1.725 1.725 5.4
ABH260 ABH260		120508-245-KW 120508-246-KW Field Blind Replicate Sample of 120508-245-KW	12 May 2008 12 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205 0.205	0.1	0.1	0.1	0.244	1.725 1.725
SP4 Enter ABH261	prise 0-0.2		12 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.09	0.1	0.1	0.1	0.244	1.725
ABH271 ABH276	0.4-0.5 0.8-1	130508-309-KW 130508-283-KW	13 May 2008 13 May 2008	0.1	0.1	0.1 0.1	0.1	0.1 1.7	0.1	0.1	0.1	0.1	0.1 2.1	0.22	0.205 2.5	0.1	0.1	0.1	0.244 5.017	1.725 24.8
ABH277 REI Publi		130508-281-KW	13 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.1	0.244	1.725
ABH281 ABH283 ABH283	0-0.2 0-0.2 0.5-0.6	130508-302-KW 150508-381-KW 150508-382-KW	13 May 2008 15 May 2008 15 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.2 0.1	0.1 0.1 0.1	0.1 0.6 0.1	0.1 0.6 0.1	0.1 0.3 0.1	0.1 0.4 0.1	0.22 0.7 0.22	0.205 0.4 0.205	0.2 0.3 0.1	0.1 0.1 0.1	0.2 0.3 0.1	0.255 0.837 0.244	1.925 4.4 1.725
SP4 Enter ABH286 RE1 Publi	prise 0.1-0.3	150508-391-KW	15 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.1	0.244	1.725
ABH289 ABH289	0-0.3 0-0.3	150508-370-KW 150508-371-KW Field Blind Replicate Sample of 150508-370-KW	15 May 2008 15 May 2008	0.1	0.1	0.1	0.1	0.3	0.1	0.8	0.8	0.5	0.6	1	0.5	0.4	0.1	0.4 0.4	1.1 0.989	5.9 5.4
ABH291 ABH291	0.1-0.5 0.1-0.5	150508-352-KW 150508-353-KW Field Blind Replicate Sample of 150508-352-KW	15 May 2008 15 May 2008	0.1 0.1	0.1	0.1 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22 0.22	0.205	0.1	0.1	0.1	0.244	1.725 1.725
ABH291 ABH291	0.1-0.5 2.7-2.8 4-4.2	150508-354-KW Split Field Duplicate of 150508-352-KW 150508-356-KW 150508-357-KW	15 May 2008 15 May 2008 15 May 2008	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.1 0.1	0.25 0.2 0.1	0.25 0.1 0.1	0.25 0.7 0.1	0.25 0.6 0.1	0.25 0.3 0.1	0.25 0.4 0.1	nt 0.7 0.22	0.25 0.3 0.205	0.25 0.3 0.1	0.25 0.1 0.1	0.25 0.2 0.1	nt 0.836 0.244	3.5 4.3 1.725
ABH293 ABH293	0.4-0.5 1.3-1.4	130508-328-KW 130508-329-KW	13 May 2008 13 May 2008	0.1 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.09	0.1	0.1	0.1	0.244 0.342	1.61
ABH293 BBH404	2.1-2.2 0-0.1	130508-330-KW 280408-15-KW	13 May 2008 28 Apr 2008 28 Apr 2008	0.1	0.1	0.1	0.1	0.6	0.1	1.2	1.3	0.6	0.5	0.9	0.5	0.3	0.1	0.3	1.588	6.8
BBH405 BBH407 BBH411	0.4-0.5 0.4-0.5 0.8-0.9	290408-49-K W 290408-44-K W 290408-37-K W	29 Apr 2008 29 Apr 2008 29 Apr 2008	0.1 0.1 0.1	0.6 0.1 0.1	0.1 0.1 0.1	0.2 0.1 0.1	0.1 0.3	0.6 0.1 0.1	4.7 0.1 0.8	4.9 0.1	0.1 0.7	0.1 0.8	3.7 0.22 1.5	0.205 0.9	0.1 0.5	0.1 0.1 0.1	0.1 0.6	5.755 0.244 1.384	1.725 7.7
SP4 Enter BBH421 RE1 Publi	0.5-0.6 ic Recreation	300408-104-KW	30 Apr 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.08	0.1	0.1	0.1	0.244	1.6
BBH423 BMW401 BMW401	0.7-0.8 0.15-0.35 1.3-1.4	300408-82-KW 020508-187-KW 020508-188-KW	30 Apr 2008 02 May 2008 39570	0.1 0.1 0.1	0.1 0.2 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.6 1.2	0.1 0.1 0.2	0.2 1.4 2	0.1 1.6 2.4	0.1 0.9 1.2	0.1 0.8 1.3	0.22 1.4 1.9	0.06 1 1.3	0.1 0.7 0.9	0.1 0.1 0.2	0.1 0.6 0.9	0.244 2.014 3.022	1.68 9.7 13.9
BBH409 BBH409 BBH409	0.2-0.5 0.2-0.5 0.2-0.5	290408-39-KW 290408-39-KW 290408-40-KW Field Blind Replicate Sample of 290408-39-KW 290408-41-KW Split Field Duplicate of 290408-39-KW	39567 39567 39567	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.1 0.25	0.1 0.3 0.25	0.1 0.1 0.25	0.3 0.7 0.6	0.4 0.7 0.6	0.2 0.3 0.25	0.2 0.4 0.25	0.5 0.6 nt	0.3 0.3 0.25	0.2 0.2 0.25	0.1 0.1 0.25	0.2 0.2 0.25	0.594 0.916 nt	3 43 42
BBH417 BBH417	0.2-0.4 1.1-1.2	290408-29-KW 290408-30-KW	29 Apr 2008 29 Apr 2008	0.1 0.1	0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1 0.1	0.1	0.244 0.463	1.725 2.4
BBH429 BBH429 SP4 Enter	prise	010508-152-KW 010508-155-KW	01 May 2008 01 May 2008	0.1	0.1	0.1	0.1	1.1 0.1	0.2	0.2	3.2 0.2	0.1	1.5 0.1	0.2	0.09	0.1	0.1	0.1	3.846 0.342	17.2
BBH431	2.4-2.6 ic Recreation 0.5-0.6	300408-107-KW 300408-85-KW	30 Apr 2008 30 Apr 2008		0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.1	0.2	0.5	0.2	0.2	0.1	0.2	0.584	1.725
SP4 Enter BBH433 BBH434	prise	010508-159-KW 300408-109-KW	01 May 2008 30 Apr 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.3 0.22	0.1	0.1	0.1	0.1	0.352	1.9
BBH435 REI Publi	1-1.1 ic Recreation	300408-111-KW	30 Apr 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.1	0.244	1.725
BBH439 BBH440 SP4 Enter	0.2-0.4 1-1.1	010508-134-KW 010508-149-KW	01 May 2008 01 May 2008	0.1	0.1	0.1 0.1	0.1	0.2	0.1	0.5	0.6	0.3	0.3	0.6	0.3 0.205	0.3	0.1	0.3	0.826 0.244	1.725
BBH443 BBH443	0-0.2 0.4-0.5 0.4-0.5	010508-150-KW 300408-89-KW 300408-90-KW Field Blind Replicate Sample of 300408-89-KW	01 May 2008 30 Apr 2008 30 Apr 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.22 0.22 0.22	0.205 0.205 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.244 0.244	1.725 1.725 1.725
	ic Recreation	010508-136-KW 010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008 01 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.1	0.244	1.725
BBH445 SP4 Enter	0.1-0.4 prise	010508-138-KW Split Field Duplicate Sample of 010508-136-KW 010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.16	0
	0.1-0.2 0.4-0.5 ic Recreation	300408-99-KW	01 May 2008 30 Apr 2008	0.1 0.1	0.1	0.1 0.1	0.1	0.1	0.1 0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1 0.1	0.1	0.244 0.484	1.725 3.1
BBH450 BBH451 SP4 Enter	0.4-0.5 0.65-0.75 prise	010508-140-KW 010508-143-KW	01 May 2008 01 May 2008	0.1	0.1	0.1 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.1	0.244 0.342	1.725
BBH452	0.1-0.2 ic Recreation 0.2-0.3	300408-96-KW 300408-92-KW	30 Apr 2008 30 Apr 2008	0.1	0.1	0.1	0.1	9.6	0.1	0.2	0.2	0.1	0.1	0.3	0.2 8.8	0.1	0.1	0.1	0.352 29.47	115.4
BBH453 ALG205	0.55-0.65 1.1-1.2	300408-93-KW 150508-364-KW	30 Apr 2008 15 May 2008	0.1 0.1	0.1	0.1	0.1 0.1	0.1	0.1 0.1	0.1	0.1	0.1	0.1 0.2	0.22 0.22	0.205 0.1	0.1	0.1 0.1	0.1	0.244 0.445	1.725 2.32
ALG205 AMW204 AMW205	2.6-2.8 2.6-2.8 2-2.2	150508-365-KW 080508-120-KW 080508-157-KW	15 May 2008 08 May 2008 08 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.22 0.22 0.22	0.205 0.205 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.244 0.244	1.725 1.725 1.725
AMW207 AMW207 AMW207	0.2-0.4 0.5-0.7 1.4-1.5	120508-218-KW 120508-219-KW 120508-220-KW	12 May 2008 12 May 2008 12 May 2008	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.22 0.22 0.22	0.205 0.08 0.205	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	0.244 0.244 0.244	1.725 1.6 1.725
AMW207	1.9-2	HI	12 May 2008 C Recreational L-D Commercial	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.2	0.4	0.2	0.2	0.1	0.2	0.474 3 40	2.6 300 4000
		ESL Urban Residential and Put ESL Commercial EIL - Urban residential / pu	dic Open Space and Industrial	170	-	-	-	-	-	-	-	-		-	0.7		-		-	
Concentrations	above this action level	EIL - Commer	cial/ Industrial	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

							Table 1	4: Soil Ana	lytical Resu	ılts - OCP														П
Sample Location Depth (m)	Sample I D	Date Sampled	BCH siphs-	Hexachlo robenzen e	Р-ВНС	Samma- BHC (Lindane)	9-внс	Heptachi	ninblA	Neptachl or cpoxide	Сърогаяв с - бъява	Chlordan e - cis	Endosulf an alpha	Dieldrin	t't-DDE	ddd-4,4	Endorin Endorum	H ns H ns	Endrin aldehyde Endosulf	Endosulf an sulphate	Methoxye	Methoxyc hlor	E+DDD	ChainblA ainbləi
SP4 Enterprise	NAVO BOJOVO	UBIES	Sh (Sim	mgwg	mgwg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg	Mg/Kg	Mg/Kg	mg/kg	S KS	E S	S KS	m sake	SN KE INS	N Kg	Kg mg	M .	25
ABH206 0.1-0.2	090508-20-0-WW 090508-20-0-WW	09 May 2008	700	10 0	100	10 0	10 0	× 0.1	00.0	100	V 00.1	00.0	00.1	00.1	00.1	100	100	100	100	001	0.0		3 2 2	
ABR2102 0.2-0.3	090508-18.5VW	09 May 2008	10 >	× 01	10 >	< 0.1	10 >	< 0.1	100	1.00	< 0.1	100	< 0.1	< 0.1	< 0.1	100	100	100	100	001	0.1	17	10	1.0
ABID103 0.1-0.2	090508-195-KW Field Blind Replants Sample of 090508-194-KW	09May 2008	0 0	10 >	10 0	10 >	×0.1	< 0.1	00.0	100	100	00.0	< 0.1	< 0.1	<0.1	100	100	100	100	001	10			10 0
ABR211 0-0.1	120508-214-KW	12May 2008	70 0	0 >	10 >	10 >	0 >	1.0	10>	100	1.0	1.0	× 0.1	× 0.1	< 0.1	100	1.0	10	100	0.1	10			10
ABRZ18 0-0.1 ABRZ18 0-0.1	WA-01-02000 WA-01-02000 WA-01-02000	06 May 2008 08 May 2008	000	100	100	100	100	00.1	000	100	200	0 0 0	000	000	000	100	100	100	100	000	3 3 3	700		3 3 3
RE1 Public Recreation	MAGNAGO U	occur) wood																						П
BBH401 0.2-0.4 BBH404 0.0.1	280408-01-KW 280408-15-KW	28 Apr 2008	0 0	0 0	0 0 0	× 01	, 0.1 0.0	100	× 0.1	× 0.1	0.0	, 0.1 0.0	×0.1	×0.1	0.0	1.00	100	1.00	1.00	v v	0.1 0.1	2 2	170	0.1
BBH425 0.2-0.4 BBH426 0.1-0.2	290408-57-KW 290408-60-KW	29 Apr 2008 29 Apr 2008	10 ×	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	101	101	101	0.01	× 1.00	0.1 0.1	2 2	170	1.0
SB1H38 0.2-0.3	290408-72-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.00	1.00	1.00	× 0.1	> 1.0	> 1.0) × (1.0
ABH225 0.0.2	060508-33-KW	06 May 2008	10 ×	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	- 170	. 1.0	- 170	< 0.1	> 1.0	> 170	> 17	- 1.0	1.0
ABH229 0.5-0.8 ABH229 0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060908-14-KW	06 May 2008 06 May 2008	70 v 07	0 0	0 0 0	× 01	× 01	<0.1 <0.1	< 0.1	< 0.1	0°10 0°10 0°10	< 0.1	< 0.1	< 0.1	(0.1 (0.1	.0.1	1001	.0.1	(0.1	v v v	0.1	13 13	===	5 5
ABH229 0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.05	< 0.05	> 000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	> 50.0	> 50.0	> 50.0	> 50.0	> 0.05	0.2	22 < 0	10	1.0
REI Public Recreation	080300-140-KW	00 May 2000	187	10/	18/	18	10/	100	187	160	100	167	100	100	100	100	100	100	100	100	-	7		-
ABH235 0-0.1	070508-79-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	- 170	. 1.0	- 170	< 0.1	> 1.0	> 1.0	> 17	. 1.0	0.1
ABR37 0-0.2	060508-27-KW	06 May 2008	F0 >	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.0 >	< 0.1	< 0.1	< 0.1	< 0.1	1.00	1.00	1.00	1.0>	> 1700	> 1.0	> 17	1.0	1.0
ABR239 0-0.1	080508-121-KW	08 May 2008	10 ×	0 >	10 >	< 0.1	10 >	< 0.1	< 0.1	< 0.1	1.0 >	< 0.1	< 0.1	< 0.1	< 0.1	101	101	101	10.1	× 1.0	> 1.0	200		17.0
ABH240 0.1-0.4	080508-124KW Field Blind Replicate Sample of 080908-123-KW	08 May 2008	0 >	0 >	10 >	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.0>	< 0.1	1.00	1.00	1.00	1.0	0.1	0.1	170		0.1
ABH240 0.1-0.4 ABH243 0.0.1	080508-125-KW Split Field Duplicate of 080908-123-KW	08 May 2008	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	< 0.05	> 50.03	> 50.03	> 50.03	> 0.05	> 0.05	0.2 <	0.2 < 0	. 10	1.0
RE1 Public Recreati	UO UO																						1	П
ABR247 0.1-0.4 ABR247 0.1-0.4	070508-98-KW 070908-90-KW Field Bind R pelisate Samule of 070908-99-KW	07 May 2008 07 May 2008	10 >	10 >	0 > 01	0 > 01	× 0.1	100	< 0.1	< 0.1	1.0>	< 0.1	10>	< 0.1	100	100	.01	100	0.01	> 100	> 10	170	170	1.0
SP4 Enterprise																							H	П
ABR251 0-0.1 ABR253 0-0.1	080508.116.KW 080508.133.KW	08 May 2008 08 May 2008	0 0	0 0	0 0 0	× 01	10 × 01	100	× 0.1	× 0.1	0.0	, 0.1 0.0	×0.1	×0.1	0.0	1.00	100	1.00	1.00	v v	0.1 0.1	2 2	170	0.1
ABH255 0-0.2	080508-139-KW	08 May 2008	> 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.03	: 0.1	1.03	< 0.1	< 0.1	> 1.0	> 17		0.1
ABH259 0-0.1	on 12050&248.KW	ay 2	× 0.1	r0 >	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	100	1.00	100	1.0>	> 100	> 1.0	> 17	1.0	1.0
ABH260 0-0.2	12050	12May 2008	> 01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.00	1.00	1.00	1.00	> 1.0	> 1.0	> 17		0.1
ABR263 0-0.1	120508-235-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.00	. 1.00	1.00	1.00	> 1.0	> 1.0	> 17	1.0	0.1
ABH264 0.0.1	120508-232-KW	12 May 2008	10 × 01	10 0	10 >	10 >	10 >	00.1	< 0.1	< 0.1	100	< 0.1	100	100	1.00	100	100	100	100	v v	0.1	2 2	10 10	170
ABH267 0-0.2	120508-223-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	:0.1	:0.1	:0.1	< 0.1	< 0.1	> 1.0	> 17		0.1
REI Public Recreati.	120508-275-KW	12 May 2008	V 0.1	V 01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	< 0.1	<0.1	10:1	10:	10:1	100	> 100	> 10	>	10	10
ABH271 0-0.2	130508-308-KW	13 May 2008	> 01	> 01	10 >	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	- 1.0	- 1.0	- 1.0	× 1.0 ×	> 1.0:	> 1.0	> 17	10	0.1
ABR272 0.1-0.5	130508-305-KW Field Blind Replans Sunnle of 130908-304-KW	13 May 2008	0 0	0 0	0 0	0 0	0 0	00.0	×0.1	<0.1	00.0	<0.1	00.1	00.0	×0.1	10.1	10.1	10.1	001	v v	0.1	200		0.0
ABH274 0.1-0.3	130508-239-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	101	1.00	101	< 0.1	> 1.0	> 1.0	> 17	1.0	0.1
ABH282 0-0.2	130508-254-KW	13 May 2008 13 May 2008	10 ×	× 0.1	0 > 01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	.0.1	1.0	.0.1	0.1	0.1	0.1	2 0	0.1	0.1
S B4 Entermedia	150508-331-KW	15 May 2008	× 0.1	× 0.1	× 0.1	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	. 170	100	. 170	0.1	v 1.00	> 1.0). V		0.1
ABH285 0-0.2	150508-389-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	: 0.1	:0.1	< 0.1	:0.1	> 17	0.1	3	0.1
ABDST 004	UNIX.ELE	15May 2008	107	107	107	107	107	107	107	107	107	107	102	102	107	10.	10.	10.	100	100	10	10		-
ABR287 0-0.4	150508-379-KW Field Blind Replicate Sample of 150508-378-KW	15 May 2008	0 >	0 >	10>	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1	1.0	1.0	1.0	1.0	0.1	0.1	7 > 17		0.1
ABH288 0-0.2 ABH790 0-0.7	150508-373-KW 150508-358-KW	15 May 2008	× 0.1	10 >	10 >	< 0.1	× 01	< 0.1	< 0.1	< 0.1	100	< 0.1	100	100	100	100	100	100	001	× 0.10	o.1	100		1.0
ALC205 0-015	150508-303-WW	15May 2008	10 >	10 >	0 >	10 >	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	10>	< 0.1	10>	100	100	100	100	> 10	170			10
BBH415 0.1-0.3	300408-78-KW	30 Apr 2008	70 7	× 0.1	0 > 01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0	1.0	00.1	0.1	0.10	200		0 0
SP4 Enterprise BBH21 0-0.1	300408-105KW	30 Apr 2008	> 01	10 >	< 0.1	< 0.1	- 0 I	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1	10>	10:	100	10:	100	> 100	V 10	12	10	1.0
RE1 Public Recreation	UI A PET SOCIOTO	000V1000	3	107	107	10.7	107	107	107	107	107	107	107	107	107		100		100	-				
BB1406 0.1-0.2	010308-126-KW 290408-46-KW	29 Apr 2008	70 0	0 > 01	10 >	× 01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.0	:01	1.0	0.01	0.1	0.10	17 17		0.0
BBH07 0.05-0.15 BBH09 0.2-0.5	290408-43-KW 290408-39-KW	29 Apr 2008	70 0	10 > 01	10 >	10 >	100	1.0 >	< 0.1	< 0.1	100	< 0.1	100	100	1.00	100	100	100	1.00	× 0.1	V V	2 2	100	1.0
BB1409 02-0.5	290486-40-KW Field Blind Replicate Sample of 290488-39-KW nontrol at a VW eals field Paralisms of 200498-39-VW	29 Apr 2008	000	× 01	< 0.0	< 0.0	< 0.1	< 0.1	× 0.1	< 0.1	< 0.1	< 0.1	<0.1	< 0.1	1.0	100	100	. 0.00	100	000	> 100	0 0	170	100
BB1H29 0-0.1	010508-152-KW	01 May 2008	> 0.1	> 01	< 0.1	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	101	:01	101	0.1	< 1.0	> 1.0	> 10	. 1.0	0.1
SP4 Enterprise	010308-180-KW	01 May 2008	70 >	V 0.1	70 >	10 ×	0.0	1.0 >	× 0.1	- O.1	100	1.0 >	< 0.1	< 0.1	× 0.1		170		00.1	0.1	v 16) 		3
BB H433 0.1-0.3 BB H433 0.1-0.3	010508-155-KW Field Blind Replicate Sample of 010508-156-KW	01 May 2008 01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	00.1	< 0.1	<0.1	< 0.1	<0.1	<0.1	. 0.1	100	. 0.1	100	> 100	> 10	2 2	17.17	0.1
RE1 Public Recreati-	W.X.T.8-3014001	30 Apre 2008	10 >	10 >	< 0.1	< 0.1	10>	10>	<0.1	102	10>	102	10>	10>	102	10:	10:	10:	100	> 100	> 10	0 >		-
BB1439 0.1-0.2	010508-133-KW	01 May 2008	0 >	× 01	10 >	10 >	× 0.1	< 0.1	< 0.1	< 0.1	1.0 >	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0	1.0	0.01	× 1.0	0.1	17	170	0.1
SP4 Enterprise	WASHISTON	01 May 2008	3	100	10/		10/		1000	1007	100	100								100	3			П
BBH441 0.0.2 BBH442 0.1-0.4	010508-150-KW 300408-101-KW	01 May 2008 30 Apr 2008	10 v	< 0.1	× 01	× 01	< 0.1	< 0.1	<0.1	00.	< 0.1	1.0 >	< 0.1	< 0.1	<0.1	100	1.00	100	1.00	× 1.00	V V	2 2	10 10	0.1
RF1 Public Recreation	300408-102-KW Field Blind Replicate Sample of 300408-101-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	. 1.0	. 1.0	. 1.0	< 0.1	> 1.0	> 1.0	> 17	. 1.0	0.1
BBB445 0.1-0.4	010308.136.KW	01 May 2008	10 >	10>	< 0.1	10 >	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	100	100	100	100	0.1	0.1	0 100	10	1.0
BBB445 0.10.4	010508-138-KW Spite Field Daplicate Simple of 010508-136-KW	01 May 2008	< 0.05	< 0.05	< 0.005	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05	<0.05	< 0.05	170	> 500	> 900	> 50.0	> 900	> 500	0.2	0 0		10
ВВ1446 0.1-0.2	010508.146.KW	01 May 2008	F0 >	< 0.1	< 0.1	10 >	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0.1	1.0	1.0	> 1.0	> 1.0	N ×	170	1.0
BBH447 0.1-0.2 BBH448 0.1-0.2	010505-144.W 30408-98-X.W	01 May 2008 30 Apr 2008	0 0	× 01	0 0 0	× 01	< 0.1	< 0.1	0.0	0 0	< 0.1	0°0°	<0.1	<0.1	<0.1	0.0	0.0	0.0	0.0	0.1	0.1	2 2		0 0
RE1 Public Recreati. BBH451 0-0.2	010508-142-KW	01 May 2008	F0 >	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	10:	10:	10:	100	> 100	v 1.0	17	1.0	0.1
BB1453 0.2-0.3 BR1445 0.1-0.2	300408-92-KW 010508-170-KW	30 Apr 2008 01 May 2008	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<0.2	.02	0.02	.02	002	0.2	0.2 <	20 < 0	1.0	1.0
BB1H56 0.2-0.4	010508-118-KW	01 May 2008	70 >	0 >	0 >	< 0.1	× 0.1	< 0.1	< 0.1	< 0.1	× 0.1	< 0.1	< 0.1	< 0.1	< 0.1	101	101	101	0.1	0.1	0.1			0.1
BB1437 0.43-0.6	300408-34-K W	30 Apr 2008 HL-C Recreational		10 >				10				70	340	100			20		20.1	0.1	0.1	400	. 00	01
	EIL - Urban residential	/ HIL-D Commercia		8			1	95	ŀ			530	2000				001				. 80	96 .	00 .	ş.
	EIL - Cor	ımercial/Industria.																		9 -	40			

		Table 15: Soil A	Analytical Resul	ts - OPP						
	Sample		Date Sampled	Dimeth	Diazin	Chlorp yrifos- methyl	Ronnel	Fenitro thion	Chlorp yrifos	Ethion
Location	Depth (m)	Sample ID	Units	mg/kg	mg/kg	mg/kg	⊮ mg/kg	ੁੰ ∉ mg/kg	등 등 mg/kg	⊞ mg/kg
SP4 Enter										
ABH205 ABH206	0.1-0.2 0.1-0.2	060508-49-KW 090508-208-KW	06 May 2008 09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH207	0.2-0.4	090508-207-KW	09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2102 ABH2103	0.2-0.3 0.1-0.2	090508-185-KW 090508-194-KW	09 May 2008 09 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2103 ABH2106	0.1-0.2 0.1-0.2	090508-195-KW Field Blind Replicate Sample of 090508-194-KW 090508-204-KW	09 May 2008 09 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1 < 0.1
ABH211	0-0.1	120508-214-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH216 ABH218	0-0.2 0-0.1	060508-40-KW 060508-06-KW	06 May 2008 06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH221	0.1-0.25	080508-158-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH401	0.2-0.4	n 280408-01-KW	28 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH454	0-0.1	010508-126-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH425 BBH426	0.2-0.4 0.1-0.2	290408-57-KW 290408-69-KW	29 Apr 2008 29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH438 SP4 Enter	0.2-0.3	290408-72-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH225	0-0.2	060508-33-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229 ABH229	0.5-0.8 0.5-0.8	060508-14-KW 060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008 06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.05	< 0.05	< 0.05	nt	nt	< 0.05	< 0.05
ABH230 RE1 Publi	0.1-0.2 ic Recreation	080508-148-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH235	0-0.1	070508-79-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter ABH237	prise 0-0.2	060508-27-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH239	0-0.1	080508-121-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH240 ABH240	0.1-0.4 0.1-0.4	080508-123-KW 080508-124-KW Field Blind Replicate Sample of 080508-123-KW	08 May 2008 08 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH240	0.1-0.4	080508-125-KW Split Field Duplicate of 080508-123-KW	08 May 2008	< 0.05	< 0.05	< 0.05	nt	nt	< 0.05	< 0.05
	0-0.1 ic Recreation	080508-141-KW n	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH247 ABH247	0.1-0.4	070508-98-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter	0.1-0.4 prise	070508-99-KW Field Blind Replicate Sample of 070508-98-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH251 ABH253	0-0.1 0-0.1	080508-116-KW	08 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1
ABH255	0-0.1	080508-133-KW 080508-139-KW	08 May 2008 08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH259	0-0.1	n 120508-248-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH260	0-0.2	120508-243-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter ABH263	prise 0-0.1	120508-235-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH264	0-0.1	120508-232-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH266 ABH267	0.1-0.2 0-0.2	120508-226-KW 120508-223-KW	12 May 2008 12 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Publi	ic Recreation	n								
ABH268 ABH271	0-0.2 0-0.2	120508-275-KW 130508-308-KW	12 May 2008 13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272	0.1-0.5	130508-304-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272 ABH274	0.1-0.5 0.1-0.3	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-289-KW	13 May 2008 13 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH276 ABH282	0.05-0.25 0-0.2	130508-282-KW 130508-296-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH283	0-0.2	150508-290-KW 150508-381-KW	13 May 2008 15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter ABH285	prise 0-0.2	150508-389-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Publi	ic Recreation		13 Way 2008	× 0.1	× 0.1	V 0.1	V 0.1	V 0.1	V 0.1	< 0.1
ABH287 ABH287	0-0.4 0-0.4	150508-378-KW 150508-379-KW Field Blind Replicate Sample of 150508-378-KW	15 May 2008 15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH288	0-0.2	150508-373-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH290 ALG205	0-0.2 0-0.15	150508-358-KW 150508-363-KW	15 May 2008 15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
AMW205	0.1-0.2	080508-155-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH404 BBH415	0-0.1 0.1-0.3	280408-15-KW 300408-78-KW	28 Apr 2008 30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter BBH421		300408-105-KW	20.42008	< 0.1	< 0.1	<0.1	<0.1	< 0.1	< 0.1	< 0.1
	0-0.1 ic Recreation		30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH406 BBH407	0.1-0.2 0.05-0.15	290408-46-KW 290408-43-KW	29 Apr 2008	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1
BBH409	0.03-0.13	290408-43-KW 290408-39-KW	29 Apr 2008 29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH409 BBH409	0.2-0.5 0.2-0.5	290408-40-KW Field Blind Replicate Sample of 290408-39-KW 290408-41-KW Split Field Duplicate of 290408-39-KW	29 Apr 2008 29 Apr 2008	< 0.1 < 0.05	< 0.1 < 0.05	< 0.1 < 0.05	< 0.1 nt	< 0.1 nt	< 0.1 < 0.05	< 0.1 < 0.05
BBH429	0-0.1	010508-152-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter	0-0.1	010508-160-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH433	0.1-0.3	010508-156-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH433 RE1 Publi	0.1-0.3 ic Recreation	010508-157-KW Field Blind Replicate Sample of 010508-156-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH436	0.1-0.3	300408-87-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH439 BBH440	0.1-0.2 0.2-0.4	010508-133-KW 010508-148-KW	01 May 2008 01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter	prise									
BBH441 BBH442	0-0.2 0.1-0.4	010508-150-KW 300408-101-KW	01 May 2008 30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH442	0.1-0.4	300408-102-KW Field Blind Replicate Sample of 300408-101-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Publi BBH445	0.1-0.4	n 010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter	0.1-0.4 prise	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	< 0.05	< 0.05	< 0.05	nt	nt	< 0.05	< 0.05
BBH446	0.1-0.2	010508-146-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH447 BBH448	0.1-0.2 0.1-0.2	010508-144-KW 300408-98-KW	01 May 2008 30 Apr 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1
	ic Recreation									
BBH451 BBH453	0-0.2	010508-142-KW 300408-92-KW	01 May 2008 30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 < 0.2	< 0.1 < 0.2	< 0.1
BBH455	0.1-0.2	010508-120-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH456 BBH457	0.2-0.4 0.45-0.6	010508-118-KW 300408-94-KW	01 May 2008 30 Apr 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1
		HI	L-C Recreational IL-D Commercial	-	-	-	-	-	250 2000	-
Concentrations		a level are shown in bold text.	& Commercial						2000	

Concentrations above this action level are shown in **bold** text.

- 4888 Represents results below the laboratory Practical Quantitation Limit.

nt = Nox Tested

- Action Level not established

Location	Sample Depth (m)	Sample ID	Date Sampled Units	Aroclor 1016	gy/gm Aroclor 1232	gg/gm Aroclor 1242	Bay/Bu Aroclor 1248	bay/8m Aroctor 1254	ga/gm Aroctor 1260	Mg/kgm Lotal PCBs
P4 Enter ABH205	0.1-0.2	060508-49-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
ABH206 ABH207	0.1-0.2 0.2-0.4	090508-208-KW 090508-207-KW	09 May 2008 09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH211	0-0.1	120508-214-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH216 ABH218	0-0.2 0-0.1	060508-40-KW 060508-06-KW	06 May 2008 06 May 2008	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	-
ABH221 ABH229	0.1-0.25 0.5-0.8	080508-158-KW 060508-14-KW	08 May 2008 06 May 2008	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	-
ABH229 ABH229	0.5-0.8 0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW 060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008 06 May 2008	< 0.1 nt	< 0.1 nt	< 0.1 nt	< 0.1 nt	< 0.1 nt	< 0.1 nt	< 0.1
ABH2102 ABH2103	0.2-0.3 0.1-0.2	090508-185-KW 090508-194-KW	09 May 2008 09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH2103 ABH2106	0.1-0.2 0.1-0.2	090508-195-KW Field Blind Replicate Sample of 090508-194-KW 090508-204-KW	09 May 2008 09 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	-
RE1 Publi	c Recreation	ı								
BBH401 BBH426	0.2-0.4 0.1-0.2	280408-01-KW 290408-69-KW	28 Apr 2008 29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt nt
BBH438 BBH425	0.2-0.3 0.2-0.4	290408-72-KW 290408-57-KW	30 Apr 2008 29 Apr 2008	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	nt nt
ABH225 SP4 Enter	0-0.2 prise	060508-33-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH230	0.1-0.2 c Recreation	080508-148-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH235	0-0.1	070508-79-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH237	0-0.2	060508-27-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH239 ABH240	0-0.1 0.1-0.4	080508-121-KW 080508-123-KW	08 May 2008 08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH240 ABH240	0.1-0.4	080508-124-KW Field Blind Replicate Sample of 080508-123-KW 080508-125-KW Split Field Duplicate of 080508-123-KW	08 May 2008 08 May 2008	< 0.1	< 0.1	< 0.1 nt	< 0.1	< 0.1 nt	< 0.1	< 0.1
ABH243	0-0.1 c Recreation	080508-141-KW	08 May 2008 08 May 2008	nt < 0.1	nt < 0.1	nt < 0.1	nt < 0.1	nt < 0.1	nt < 0.1	- 0.1
ABH247	0.1-0.4	070508-98-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH247 SP4 Enter	0.1-0.4 prise	070508-99-KW Field Blind Replicate Sample of 070508-98-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH251 ABH253	0-0.1	080508-116-KW 080508-133-KW	08 May 2008 08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH255	0-0.2	080508-139-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH259	0-0.1	120508-248-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH260 SP4 Enter	0-0.2 prise	120508-243-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH263 ABH264	0-0.1 0-0.1	120508-235-KW 120508-232-KW	12 May 2008 12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH266	0.1-0.2	120508-226-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH267 RE1 Publi	0-0.2 c Recreation	120508-223-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
ABH268 ABH271	0-0.2 0-0.2	120508-275-KW 130508-308-KW	12 May 2008 13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH272 ABH272	0.1-0.5 0.1-0.5	130508-304-KW 130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008 13 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	-
ABH274 ABH276	0.1-0.3 0.05-0.25	130508-289-KW 130508-282-KW	13 May 2008 13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH282	0-0.2	130508-296-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH283 SP4 Enter		150508-381-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
ABH285 RE1 Public	0-0.2 c Recreation	150508-389-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ABH287 ABH287	0-0.4 0-0.4	150508-378-KW 150508-379-KW Field Blind Replicate Sample of 150508-378-KW	15 May 2008 15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	-
ABH288 ABH290	0-0.2	150508-373-KW 150508-378-KW	15 May 2008 15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
ALG205	0-0.15	150508-363-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
AMW205 BBH404	0.1-0.2 0-0.1	080508-155-KW 280408-15-KW	08 May 2008 28 Apr 2008	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	nt
BBH415 SP4 Enter	0.1-0.3 prise	300408-78-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH421	0-0.1 c Recreation	300408-105-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH406	0.1-0.2	290408-46-KW	29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH407 BBH409	0.05-0.15 0.2-0.5	290408-43-KW 290408-39-KW	29 Apr 2008 29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	nt nt
BBH409 BBH409	0.2-0.5 0.2-0.5	290408-40-KW Field Blind Replicate Sample of 290408-39-KW 290408-41-KW Split Field Duplicate of 290408-39-KW	29 Apr 2008 29 Apr 2008	< 0.1 nt	< 0.1 nt	< 0.1 nt	< 0.1 nt	< 0.1 nt	< 0.1 nt	nt < 0.1
BBH429 BBH432	0-0.1 0-0.1	010508-152-KW 010508-160-KW	01 May 2008 01 May 2008	< 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	nt nt
SP4 Enter		010508-156-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH433	0.1-0.3	010508-157-KW Field Blind Replicate Sample of 010508-156-KW	01 May 2008 01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt nt
BBH436	0.1-0.3	300408-87-KW	30 Apr 2008	< 1	< 1	< 1	< 1	< 1	< 1	nt
BBH439 BBH440	0.1-0.2 0.2-0.4	010508-133-KW 010508-148-KW	01 May 2008 01 May 2008	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	nt nt
SP4 Enter		010508-150-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH442	0.1-0.4	300408-101-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
	0.1-0.4 c Recreation		30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH445 BBH445	0.1-0.4 0.1-0.4	010508-136-KW 010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008 01 May 2008	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	nt nt
BBH445 P4 Enter	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	nt	nt	nt	nt	nt	nt	< 0.1
BBH446	0.1-0.2	010508-146-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH447 BBH448	0.1-0.2 0.1-0.2	010508-144-KW 300408-98-KW	01 May 2008 30 Apr 2008	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1 < 0.1	nt nt
RE1 Publi BBH451	c Recreation 0-0.2	010508-142-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH453 BBH455	0.2-0.3 0.1-0.2	300408-92-KW 010508-120-KW	30 Apr 2008 01 May 2008	< 1	< 1	< 1	< 1	< 1	< 1	nt nt
BBH456	0.2-0.4	010508-118-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
BBH457	0.45-0.6 0-0.2	300408-94-KW 020508-178-KW	30 Apr 2008 02 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 < 0.1	< 0.1	nt nt
BLG404		020508-175-KW	02 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	nt
	0.1-0.2		L-C Recreational	-	-	-	-	-	-	1

		Table 17: Soil Analytical Results - Phenols ¹		
Location	Sample Depth (m)	Sample ID	Date Sampled Units	mg/kg
SP4 Enter	nrise		Units	mg/kg
ABH202	1.9-2.2	090508-202-KW	09 May 2008	< 5
ABH210	0.1-0.2	060508-46-KW	06 May 2008	< 5
ABH212	0.35-0.45	080508-161-KW	08 May 2008	< 5
ABH219	0-0.2	060508-08-KW	06 May 2008	< 5
ABH220	0.2-0.3	060508-04-KW	06 May 2008	< 5
ABH299	0.1-0.2	090508-168-KW	09 May 2008	< 5
ABH2103	1.3-1.4	090508-199-KW	09 May 2008	< 5
ABH2106	1.1-1.2	090508-205-KW	09 May 2008	< 5
	c Recreation	22.000 200 12.11	22 2:2 : 3 2 000	
BBH426	1.7-1.8	290408-71-KW	29 Apr 2008	< 5
SP4 Enter		270100 71 1211	2) 11p1 2000	
ABH226	0.1-0.2	060508-20-KW	06 May 2008	< 5
ABH229	0.5-0.8	060508-14-KW	06 May 2008	< 5
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	< 5
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.5
ABH231	0.6-0.7	080508-152-KW	08 May 2008	< 5
ABH231	0.6-0.7	080508-153-KW Field Blind Replicate Sample of 080508-152-KW	08 May 2008	< 5
ABH239	0.4-0.5	080508-122-KW	08 May 2008	< 5
ABH240	0.8-1	080508-126-KW	08 May 2008	< 5
ABH243	0.2-0.3	080508-142-KW	08 May 2008	< 5
ABH249	1-1.1	080508-110-KW	08 May 2008	< 5
ABH265	0-0.1	120508-228-KW	12 May 2008	< 5
	c Recreation		,	
ABH289	2-2.2	150508-372-KW	15 May 2008	< 5
AMW207	1.4-1.5	120508-220-KW	12 May 2008	< 5
SP4 Enter			,	
BBH421	0-0.1	300408-105-KW	30 Apr 2008	< 5
BBH407	0.4-0.5	290408-44-KW	29 Apr 2008	< 5
BBH424	1.4-1.6	290408-55-KW	29 Apr 2008	< 5
	c Recreation		1	-
BBH429	2.4-2.5	010508-155-KW	01 May 2008	< 5
BBH437	2.6-2.8	290408-77-KW	30 Apr 2008	< 5
BBH443	0.4-0.5	300408-89-KW	30 Apr 2008	< 5
BBH443	0.4-0.5	300408-90-KW Field Blind Replicate Sample of 300408-89-KW	30 Apr 2008	< 5
BBH445	0.1-0.4	010508-136-KW	01 May 2008	< 5
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 5
BBH445	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	<5
SP4 Enter				
BBH447	0.1-0.2	010508-144-KW	01 May 2008	< 5
BBH447	0.7-0.8	010508-145-KW	01 May 2008	< 5
	c Recreation			
BBH450	0.4-0.5	010508-140-KW	01 May 2008	< 5
			L-C Recreational	40000
			HIL-D Commercial	240000
				0000

Concentrations above this action level are shown in **bold** text

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

⁻⁻ = Action Level not established

				Tab	le 18: Soil	Analytica	l Results -	Nutrient	s and Sali	nity									
Location	Sample Depth (m)	Sample ID	Date Sampled	Ammonia as N	Total Nitrogen	Nitrite as N	Nitrate as N	Total Phosphorous	Hq	Texture	Electrical Conductivity	ECE	Salinty as NACL	Resistivity	Sulphate as SO ₄	Sulphite as SO ₃	Sulphate as SO ₃	Choride	Choride
nn. n	L		Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pН	-	us/cm	dS/m	mg/kg	ohm m	mg/kg	mg/kg	%	mg/kg	%
RE1 Recr ALG205	0.0-0.15	150508-363-KW	15 May 2008	nt	nt	nt	nt	nt	7.3	nt	180	nt	120	56	<25	nt	nt	<100	nt
SP4 Enter	prise																		
ABH201	0-0.2	050508-01-KW 070508-59-KW	05 May 2008	7.3	1100	0.1	5.1	230 630	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH203 ABH206	0-0.1	070508-59-KW 090508-208-KW	07 May 2008 09 May 2008	< 0.5	2100 2300	< 0.1	1.7	220	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt
ABH217	0-0.2	060508-43-KW	06 May 2008	11	3300	< 0.1	< 0.5	350	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH221	0.1-0.25	080508-158-KW	08 May 2008	3.5	1500	< 0.1	0.8	160	7.8	nt	61	nt	39	160	29	nt	nt	<100	nt
ABH222 ABH224	0.0-0.1	070508-76-KW 060508-30-KW	07 May 2008 06 May 2008	nt nt	nt nt	nt nt	nt nt	nt nt	6.2 5.6	nt nt	580 94	nt nt	370 60	17 110	63 48	nt nt	nt nt	820 <100	nt nt
ABH229	0.5-0.8	060508-50-KW	06 May 2008	1.2	240	< 0.1	0.6	20	7.5	nt	88	nt	56	110	31	nt	nt	<100	nt
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	1.4	200	< 0.1	0.7	19	7.3	nt	95	nt	61	110	30	nt	nt	130	nt
ABH229 ABH233	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW 070508-93-KW	06 May 2008 07 May 2008	< 20 19	140 2900	0.199	0.1 5.9	24 440	6.7 nt	nt nt	105 nt	nt nt	nt nt	nt nt	50 nt	nt nt	nt nt	100 nt	nt nt
RE1 Recr		070308-93-KW	07 May 2008	19	2900	1.0	3.9	440	nı	nı	nt	nı	nı	nı	nt	nt	nı	nt	nı
ABH235	0-0.1	070508-79-KW	07 May 2008	14	4600	0.2	2.9	250	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
SP4 Enter									,										
ABH237 ABH241	0-0.2 0-0.1	060508-27-KW 080508-127-KW	06 May 2008 08 May 2008	4.5 14	2700 2000	0.3	2.9	150 550	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt
ABH241 ABH242	0.5-0.7	080508-127-KW 080508-145-KW	08 May 2008 08 May 2008	2.5	320	< 0.1	0.8	120	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt	nt nt
ABH242	0.5-0.7	080508-146-KW Field Blind Replicate Sample of 080508-145-KW	08 May 2008	2.5	220	< 0.1	0.7	72	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH243	0-0.1	080508-141-KW	08 May 2008	5.2	4100	< 0.1	2.5	430	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH247		070508-98-KW	07 May 2008	1.5	840	< 0.1	2.1	400	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
SP4 Enter		070308-78-KW	07 May 2008	1.3	840	~ 0.1	2.1	400	III.	III.	III.	III.	III.	III.	- III	111	III.	III.	III.
ABH252	0.0-0.1	080508-130-KW	08 May 2008	nt	nt	nt	nt	nt	8.1	nt	290	nt	190	35	31	nt	nt	380	nt
ABH256	0-0.1	120508-264-KW	12 May 2008	0.9	710	< 0.1	0.7	1500	7.1	nt	90	nt	58	110	<25	nt	nt	<100	nt
ABH260	0-0.2	120508-243-KW	12 May 2008	2.5	2000	< 0.1	0.8	210	6.8	nt	130	nt	83	77	<25	nt	nt	<100	nt
ABH262	0.3-0.5	120508-238-KW	12 May 2008	0.7	240	< 0.1	< 0.5	77	8.6	nt	70	nt	45	140	<25	nt	nt	<100	nt
SP4 Enter				•															
ABH267 RE1 Recr	0-0.2	120508-223-KW	12 May 2008	1.3	1700	< 0.1	< 0.5	84	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH272	0.1-0.5	130508-304-KW	13 May 2008	< 0.5	480	< 0.1	< 0.5	340	7.7	nt	110	nt	70	91	<25	nt	nt	<100	nt
		130508-304-KW 130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008 13 May 2008	< 0.5	480 560	< 0.1	< 0.5 < 0.5	340 340	7.7	nt nt	110 110	nt nt	70 70	91 91	<25 <25	nt nt	nt nt	<100 <100	nt nt
ABH272 ABH272 ABH275	0.1-0.5 0.1-0.5 0.0-0.2	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-285-KW	13 May 2008 13 May 2008	0.6 nt	560 nt	< 0.1 nt	< 0.5 nt	340 nt	7.7 7.3	nt nt	110 110	nt nt	70 70	91 91	<25 <25	nt nt	nt nt	<100 <100	nt nt
ABH272 ABH272 ABH275 ABH276	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-285-KW 130508-282-KW	13 May 2008 13 May 2008 13 May 2008	0.6 nt 1.6	560 nt 610	< 0.1 nt < 0.1	< 0.5 nt < 0.5	340 nt 380	7.7 7.3 nt	nt nt nt	110 110 nt	nt nt nt	70 70 nt	91 91 nt	<25 <25 nt	nt nt nt	nt nt nt	<100 <100 nt	nt nt nt
ABH272 ABH272 ABH275 ABH276 ABH280 ABH282	0.1-0.5 0.1-0.5 0.0-0.2	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-285-KW	13 May 2008 13 May 2008	0.6 nt	560 nt 610 nt 530	< 0.1 nt	< 0.5 nt	340 nt	7.7 7.3	nt nt	110 110	nt nt	70 70	91 91	<25 <25	nt nt	nt nt	<100 <100	nt nt
ABH272 ABH272 ABH275 ABH276 ABH280 ABH282 ABH284	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-285-KW 130508-228-KW 130508-290-KW 130508-296-KW 150508-340-KW	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008	0.6 nt 1.6 nt 5.1 2.8	560 nt 610 nt 530 2400	<0.1 nt <0.1 nt <0.1 <0.1	< 0.5 nt < 0.5 nt 2.3 6.2	340 nt 380 nt 200 420	7.7 7.3 nt 8.4 nt	nt nt nt nt nt	110 110 nt 90	nt nt nt	70 70 nt 58	91 91 nt 110 nt	<25 <tr> <25</tr>	nt nt nt nt nt	nt nt nt nt nt	<100 <100 nt <100 nt nt	nt nt nt nt nt
ABH272 ABH272 ABH275 ABH276 ABH280 ABH282 ABH284 ABH288	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2	130508-305-KW Field Bind Replicate Sample of 130508-304-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-296-KW 150508-394-KW 150508-384-KW 150508-334-KW 150508-508-KW 150508-334-KW 150508-508-KW 150508-508-KW 150508-508-KW 150508-508-KW 150508-508-KW 150508-508-K	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3	560 nt 610 nt 530 2400 1500	<0.1 nt <0.1 nt <0.1 <0.1 <0.1 <0.1	< 0.5 nt < 0.5 nt 2.3 6.2 3.2	340 nt 380 nt 200 420 430	7.7 7.3 nt 8.4 nt nt	nt	110 110 nt 90 nt nt	nt nt nt nt nt nt nt nt	70 70 nt 58 nt nt	91 91 nt 110 nt nt	<25 <tr> <25</tr>	nt nt nt nt nt nt nt nt	nt nt nt nt nt nt nt nt	<100 <100 nt <100 nt nt nt	nt
ABH272 ABH272 ABH275 ABH276 ABH280 ABH282 ABH284	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-285-KW 130508-228-KW 130508-290-KW 130508-296-KW 150508-340-KW	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008 15 May 2008	0.6 nt 1.6 nt 5.1 2.8	560 nt 610 nt 530 2400	<0.1 nt <0.1 nt <0.1 <0.1	< 0.5 nt < 0.5 nt 2.3 6.2	340 nt 380 nt 200 420	7.7 7.3 nt 8.4 nt	nt nt nt nt nt	110 110 nt 90 nt	nt nt nt nt	70 70 nt 58 nt	91 91 nt 110 nt nt nt	<25 <tr> <25</tr>	nt nt nt nt nt nt nt nt	nt	<100 <100 nt <100 nt 100 nt nt nt nt	nt n
ABH272 ABH275 ABH276 ABH280 ABH282 ABH284 ABH288 ABH294 ABH295 ABH296	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-228-KW 130508-228-KW 130508-298-KW 130508-298-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-326-KW 130508-326-KW 150508-326-KW 150508-4-KW 150508-326-KW 150508-526-KW 150508-326-KW 150508-526-KW 150508-526-KW 150508-526-KW	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9	560 nt 610 nt 530 2400 1500 3000 300 17000	<0.1 nt <0.1 nt <0.1 0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5	340 nt 380 nt 200 420 430 540 64	7.7 7.3 nt 8.4 nt nt nt 4.8	nt	110 110 nt 90 nt nt nt nt nt nt 99 99	nt	70 70 nt 58 nt nt nt 63	91 91 nt 110 nt nt nt nt nt	<25 <25 nt <25 nt nt <25 nt nt <25 nt nt <25 nt nt calcalate c	nt	nt n	<100 <100 nt <100 nt <100 nt	nt n
ABH272 ABH272 ABH275 ABH276 ABH280 ABH282 ABH284 ABH288 ABH298 ABH295 ABH296 ALG202	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-335-KW 130508-335-KW 130508-335-KW 130508-335-KW 130508-335-KW 130508-335-KW 120508-365-KW	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9	560 nt 610 nt 530 2400 1500 3000 300 17000 520	<0.1 nt <0.1 nt <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5	340 nt 380 nt 200 420 430 540 64 1000 200	7.7 7.3 nt 8.4 nt nt nt nt 4.8 6.3	nt n	110 110 nt 90 nt nt nt nt nt nt st nt st	nt n	70 70 nt 58 nt nt nt nt nt 53 54	91 91 nt 110 nt nt nt nt nt nt 100 120	<25 <25 nt <25 nt nt nt nt nt nt nt nt <25 <25 <25	nt n	nt n	<100 <100 nt <100 nt <100 nt nt nt nt nt nt <100 <100 <100 <100	nt n
ABH272 ABH275 ABH276 ABH280 ABH282 ABH284 ABH288 ABH294 ABH295 ABH296	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-228-KW 130508-228-KW 130508-298-KW 130508-298-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-334-KW 150508-326-KW 130508-326-KW 150508-326-KW 150508-4-KW 150508-326-KW 150508-526-KW 150508-326-KW 150508-526-KW 150508-526-KW 150508-526-KW	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9	560 nt 610 nt 530 2400 1500 3000 300 17000	<0.1 nt <0.1 nt <0.1 0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5	340 nt 380 nt 200 420 430 540 64	7.7 7.3 nt 8.4 nt nt nt 4.8	nt	110 110 nt 90 nt nt nt nt nt nt 99 99	nt n	70 70 nt 58 nt nt nt 63	91 91 nt 110 nt nt nt nt nt	<25 <25 nt <25 nt nt <25 nt nt <25 nt nt <25 nt nt calcalate c	nt	nt n	<100 <100 nt <100 nt <100 nt	nt n
ABH272 ABH272 ABH273 ABH276 ABH280 ABH280 ABH284 ABH288 ABH294 ABH295 ABH296 ALG202 AMW201 BBH401 BBH401	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-228-KW 130508-228-KW 130508-228-KW 130508-228-KW 130508-228-KW 130508-238-KW 150508-374-KW 150508-374-KW 150508-374-KW 150508-374-KW 120508-367-KW 120508-367-KW 120508-375-KW 120508-375-KW 120508-376-KW 120508-576-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-576-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-576-KW 120508-576-KW 120508-576-KW 120508-576-KW 120508-576	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt	560 nt 610 nt 530 2400 1500 3000 3000 17000 520 5100 440 nt	<0.1 nt <0.1 nt <0.1 0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 nt 0.5 nt	340 nt 380 nt 200 420 430 540 64 1000 200 1700 74 nt	7.7 7.3 nt 8.4 nt	nt n	110 110 nt 90 nt	nt n	70 70 nt 58 nt nt nt nt nt nt nt nt 1 2 8	91 91 nt 110 nt nt nt nt nt 100 120 nt	<25 <25 nt <25 nt <25 nt nt <25 <25 nt nt <25 <25 nt <25	nt n	nt n	<100 <100 nt <100 nt <100 nt nt nt nt nt nt nt nt nt <100 <100 nt 100 <100 nt 100 nt	nt n
ABH272 ABH275 ABH275 ABH275 ABH276 ABH280 ABH280 ABH284 ABH284 ABH295 ABH296 ALG202 AMW201 BBH401 BBH402 BBH405	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.3 0-0.2 0-0.3 0-0.0	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-335-KW 130508-335-KW 130508-335-KW 130508-335-KW 130508-357-KW 130508-357-KW 120508-367-KW 120508-257-KW	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008 29 Apr 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt nt	560 nt 610 nt 530 2400 1500 3000 3000 17000 520 5100 440 nt nt	<0.1 nt <0.1 nt <0.1 st <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 nt nt nt	340 nt 380 nt 200 420 430 540 64 1000 200 1700 74 nt nt	7.7 7.3 nt 8.4 nt nt nt nt nt nt nt end 6.3 nt nt end 9.1	nt n	110 110 nt 90 nt nt nt nt nt nt nt 43 75	nt n	70 70 nt 58 nt nt nt nt nt nt 28 48	91 91 nt 110 nt nt nt nt nt 100 120 nt	<25 <25 nt <25 nt <25 <25 <25 <25 <25	nt n	nt n	<100 <100 nt <100 nt <100 nt nt nt nt nt nt nt 100 <100 <100 <100 ctil nt nt <100 <100 ctil nt nt nt nt nt <100 <100 nt nt nt nt nt nt <100	nt n
ABH272 ABH272 ABH273 ABH276 ABH280 ABH280 ABH284 ABH288 ABH294 ABH295 ABH296 ALG202 AMW201 BBH401 BBH401	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-228-KW 130508-228-KW 130508-228-KW 130508-228-KW 130508-228-KW 130508-238-KW 150508-374-KW 150508-374-KW 150508-374-KW 150508-374-KW 120508-367-KW 120508-367-KW 120508-375-KW 120508-375-KW 120508-376-KW 120508-576-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-576-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-376-KW 120508-576-KW 120508-576-KW 120508-576-KW 120508-576-KW 120508-576	13 May 2008 13 May 2008 13 May 2008 13 May 2008 13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt	560 nt 610 nt 530 2400 1500 3000 3000 17000 520 5100 440 nt	<0.1 nt <0.1 nt <0.1 0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 nt 0.5 nt	340 nt 380 nt 200 420 430 540 64 1000 200 1700 74 nt	7.7 7.3 nt 8.4 nt	nt n	110 110 nt 90 nt	nt n	70 70 nt 58 nt nt nt nt nt nt nt nt 1 2 8	91 91 nt 110 nt nt nt nt nt 100 120 nt	<25 <25 nt <25 nt <25 nt nt <25 <25 nt nt <25 <25 nt <25	nt n	nt n	<100 <100 nt <100 nt <100 nt nt nt nt nt nt nt nt nt <100 <100 nt 100 <100 nt 100 nt	nt n
ABH272 ABH272 ABH273 ABH274 ABH280 ABH280 ABH282 ABH284 ABH294 ABH296 ALG202 AMW201 BBH401 BBH402 BBH405 BBH405 BBH401	0.1-0.5 0.1-0.5 0.0-0.2 0.0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.2-0.4 0.1-0.2 0.2-0.4 0.1-0.3 0.0-0.2 0.1-0.3	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-282-KW 130508-282-KW 130508-296-KW 130508-396-KW 130508-396-KW 130508-378-KW 130508-378-KW 130508-378-KW 130508-378-KW 120508-367-KW 120508-367-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-388-KW 120508-388-KW 120508-388-KW 120508-388-KW 120508-388-KW 120508-388-KW	13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 nt nt 0.9 1.4	560 nt 610 nt 530 2400 1500 3000 17000 520 5100 440 nt nt 460 380 250	<0.1 nt <0.1 nt <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 6 <0.5 <0.5 <0.5 <0.5 nt nt 4.2 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 nt 380 nt 200 420 430 540 1000 200 1700 74 nt nt 2800 75 120	7.7 7.3 nt 8.4 nt nt nt nt nt nt nt nt nt 1 4.8 6.3 nt nt rt rt rt nt	nt n	110 110 nt 90 nt nt nt nt nt 143 75 nt 192 nt	nt n	70 70 nt 58 nt nt nt nt nt nt 1 28 48 nt nt 1 7 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	91 91 nt 110 nt nt nt nt 120 nt 110 nt 100 120 nt nt nt nt nt	<25 <25 nt exp <25 <25 nt nt <25 <25 nt 62 nt 62 nt	nt n	nt n	<100 <100 nt 100 nt nt nt nt nt nt 100 <100 <100 <100 <100 nt nt nt 100 <100 nt	nt n
ABH272 ABH273 ABH275 ABH276 ABH280 ABH280 ABH282 ABH284 ABH284 ABH294 ABH296 ALG202 ABH296 ALG202 BBH401 BBH401 BBH402 BBH401 BBH402 BBH404 BBH401 BBH404 BBH401 BBH402 BBH405 BBH406	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-325-KW Field Blind Replicate Sample of 130508-304-KW 130508-325-KW 130508-325-KW 130508-326-KW 130508-335-KW 130508-335-KW 130508-357-KW 130508-357-KW 120508-367-KW 120508-375-KW	13 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt nt nt nt nt 1.9 1.4	560 nt 610 nt 530 2400 1500 3000 3000 3000 520 5100 440 nt nt 460 380	<0.1 nt <0.1 nt <0.1 st <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 4.2 4.2 <0.5	340 nt 380 nt 200 420 430 540 64 1000 200 1700 74 nt nt 2800 75	7.7 7.3 nt 8.4 nt 1.8 6.3 nt nt 1.7 7.7	nt n	110 110 nt 90 nt	nt n	70 70 nt 58 nt nt nt nt nt nt nt nt 1 28 48 nt 59	91 91 nt 110 nt nt nt nt nt nt 120 nt 1100 121 nt 1100 121 130 130 131	<25 <25 mt <25 nt <25 <25 nt nt <25 <25 nt <26 <27 <28 <27 <28 <27 <28 <27 <28 <28 <27 <28 <28 <27 <28 <28 <28 <27 <28 <27 <28 <27 <28 <27 <28 <27 <28 <28 <28 <27 <28 <28 <28 <27 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28 <28	nt n	nt n	<100 <100 nt nt nt nt nt nt 100 <100 nt nt nt nt 100 <100 <100 nt nt 11 <100 <100 <100 <100 <100 <100 <100	nt n
ABH272 ABH273 ABH275 ABH276 ABH280 ABH280 ABH284 ABH288 ABH294 ABH296 ALG202 ABW201 BBH401 BBH402 BBH401 BBH402 BBH402 BBH402 BBH405 BBH405 BBH411 BBH423 BBH423 SP4 Enter	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.2-0.4 0.1-0.3 0.0-0.2 0.2-0.4 0.1-0.3	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-225-KW 130508-225-KW 130508-296-KW 130508-396-KW 150508-334-KW 150508-333-KW 150508-333-KW 150508-337-KW 150508-373-KW 120508-367-KW 120508-367-KW 120508-257-KW 120508-257-KW 120508-257-KW 120508-257-KW 120508-257-KW 120508-357-KW	13 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008	0.6 mt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.9 1.4 0.8 0.6 nt nt 0.9 1.4 1.3 0.7	560 mt 610 nt 530 2400 1500 3000 3000 3000 17000 520 5100 440 nt nt 460 380 250 690	<0.1 nt <0.1 nt <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 nt 380 nt 200 420 420 420 430 540 64 1000 1700 74 nt nt 2800 75 120 260	7.7 7.3 nt 8.4 nt nt nt nt nt nt nt nt 1.3 nt nt nt nt 1.4 0.8 6.9 9.1 nt nt 1.7 nt nt nt	nt n	110 110 nt 90 nt	nt n	70 70 nt 58 nt nt nt nt nt nt nt 1 28 nt	91 91 nt nt nt nt nt nt 100 120 nt	<25 <25 <25 nt <25 <25 nt <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25 <26 <27 <27 <28 <27 <27 <27 <28 <27 <27 <27 <28 <27 <27 <27 <28 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 <27 </td <td>nt nt n</td> <td>nt nt n</td> <td><100 <100 nt <100 nt <100 nt nt ot 100 nt nt nt nt nt 100 <100 <100 nt nt</td> <td>nt nt n</td>	nt n	nt n	<100 <100 nt <100 nt <100 nt nt ot 100 nt nt nt nt nt 100 <100 <100 nt	nt n
ABH272 ABH273 ABH275 ABH276 ABH280 ABH280 ABH282 ABH284 ABH284 ABH294 ABH296 ALG202 ABH296 ALG202 BBH401 BBH401 BBH402 BBH401 BBH402 BBH404 BBH401 BBH404 BBH401 BBH402 BBH405 BBH406	0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.1-0.2 0.1-0.2 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-282-KW 130508-282-KW 130508-296-KW 130508-396-KW 130508-396-KW 130508-378-KW 130508-378-KW 130508-378-KW 130508-378-KW 120508-367-KW 120508-367-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-378-KW 120508-388-KW 120508-388-KW 120508-388-KW 120508-388-KW 120508-388-KW 120508-388-KW	13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 nt nt 0.9 1.4	560 nt 610 nt 530 2400 1500 3000 17000 520 5100 440 nt nt 460 380 250	<0.1 nt <0.1 nt <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	<0.5 nt <0.5 nt 2.3 6.2 3.2 6 6 <0.5 <0.5 <0.5 <0.5 nt nt 4.2 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 nt 380 nt 200 420 430 540 1000 200 1700 74 nt nt 2800 75 120	7.7 7.3 nt 8.4 nt nt nt nt nt nt nt nt nt 1 4.8 6.3 nt nt rt rt rt nt	nt n	110 110 nt 90 nt nt nt nt nt 143 75 nt 192 nt	nt n	70 70 nt 58 nt nt nt nt nt nt 1 28 48 nt nt 1 7 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	91 91 nt 110 nt nt nt nt 120 nt 110 nt 100 120 nt nt nt nt nt	<25 <25 nt exp <25 <25 nt nt <25 <25 nt 62 nt 62 nt	nt n	nt n	<100 <100 nt 100 nt nt nt nt nt nt 100 <100 <100 <100 <100 nt nt nt 100 <100 nt	nt n
ABH272 ABH275 ABH276 ABH276 ABH280 ABH280 ABH284 ABH284 ABH284 ABH295 ABH295 ABH296 ABH296 BBH402 BBH402 BBH402 BBH402 BBH405 BBH405 BBH405 BBH407 SP4 Enter BBH430 REI Recr BBH430	0.1-0.5 0.1-0.5 0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.15 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.1-0.2 0.1-0.3 0.0-0.2 0.1-0.3 prise 0.1-0.3 eational	130598-305-KW Field Blind Replicate Sample of 130598-304-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-235-KW 130508-325-KW 130508-335-KW 130508-335-KW 130508-335-KW 130508-325-KW 120508-325-KW	13 May 2008 15 May 2008 12 May 2008 13 May 2008 14 May 2008 15 May 2008 16 May 2008 16 May 2008 17 May 2008 18 May 2008 19 May 2008 19 May 2008 10 May 2008 10 May 2008 10 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 nt nt 1.3 0.6 1.4 1.3 0.7	560 nt 610 nt 530 2400 1500 3000 3000 520 5100 440 nt nt nt 640 380 250 690	<0.1 nt <0.1 nt <0.1 co.1 co.1 co.1 co.1 co.1 co.1 co.1 co	<0.5 mt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 nt 380 nt 200 420 430 540 64 1000 200 1700 74 nt nt 2800 75 120 68	7.7 7.3 nt 8.4 nt	nt n	110 110 110 110 111 90 11 11 11 11 11 11 11 11 11 11 11 11 11	nt n	70 70 70 nt 58 nt nt nt nt nt 63 54 nt nt nt 28 48 nt	91 91 110 nt 110 nt nt nt nt 100 120 nt 110 nt	<25 <25 <25 nt <25 <25 nt nt <25 <25 nt nt <62 nt <td>nt nt n</td> <td>nt nt n</td> <td><100 <100 10 10 10 10 11 <100 11 11 11 11 11 11 11 11 11 11 11 11</td> <td>nt nt n</td>	nt n	nt n	<100 <100 10 10 10 10 11 <100 11 11 11 11 11 11 11 11 11 11 11 11	nt n
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ABH272 ABH272 ABH275 ABH276 ABH280 ABH280 ABH284 ABH294 ABH295 ABH295 ABH295 ABH295 ABH295 ABH295 ABH296 ALG202 AMW201 BBH402 BBH402 BBH402 BBH403 BBH403 REI Recr BBH403 REI Recr BBH432	0.1-0.5 0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.3 0.1-0.3 0.1-0.3 0.1-0.3 prise actional 0-0.1	130598-305-KW Field Blind Replicate Sample of 130598-304-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-235-KW 130508-325-KW 130508-335-KW 130508-335-KW 130508-335-KW 130508-325-KW 120508-325-KW	13 May 2008 15 May 2008 12 May 2008 28 Apr 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008 20 Apr 2008 20 Apr 2008 30 Apr 2008 20 Apr 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 nt nt 1.3 0.6 1.4 1.3 0.7	560 nt 610 nt 530 2400 1500 3000 3000 520 5100 440 nt nt nt 640 380 250 690	<0.1 nt <0.1 nt <0.1 co.1 co.1 co.1 co.1 co.1 co.1 co.1 co	<0.5 mt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 nt 380 nt 200 420 430 540 64 1000 200 1700 74 nt nt 2800 75 120 68	7.7 7.3 nt 8.4 nt	nt n	110 110 110 110 111 90 11 11 11 11 11 11 11 11 11 11 11 11 11	nt n	70 70 70 nt 58 nt nt nt nt nt 63 54 nt nt nt 28 48 nt	91 91 110 nt 110 nt nt nt nt 100 120 nt 110 nt	<25 <25 <25 nt <25 <25 nt nt <25 <25 nt nt <62 nt <td>nt nt n</td> <td>nt nt n</td> <td><100 <100 10 10 10 10 11 <100 11 11 11 11 11 11 11 11 11 11 11 11</td> <td>nt nt n</td>	nt n	nt n	<100 <100 10 10 10 10 11 <100 11 11 11 11 11 11 11 11 11 11 11 11	nt n
ABH272 ABH272 ABH273 ABH273 ABH276 ABH280 ABH282 ABH284 ABH284 ABH294 ABH295 ABH296 ALG202 AMW201 BBH401 BBH402 BBH402 BBH405 BBH406 BBH411 BBH402 BBH406 BBH411 BBH402 BBH406 BBH411 BBH402 BBH406 BBH411 BBH412 BBH412 BBH412 BBH412 BBH412 BBH412 BBH413 BBH413 BBH413 BBH413 BBH414 BBH414 BBH414 BBH414 BBH414 BBH414 BBH414 BBH414 BBH414	0.1-0.5 0.1-0.5 0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.3 0.1-0.2 0.1-0.2 0.1-0.3 0.1-0.3 prise 0.1-0.3 prise 0.1-0.3 0-0.1 0.2-0.4 0.1-0.3 0.1-0.3 prise 0.1-0.3 0-0.1 0.2-0.4 0.1-0.3	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-326-KW 130508-326-KW 130508-326-KW 130508-337-KW 130508-337-KW 130508-337-KW 130508-337-KW 130508-325-KW 120508-367-KW 120508-367-KW 120508-367-KW 120508-367-KW 120508-37-KW 120508-38-KW	13 May 2008 14 May 2008 15 May 2008 15 May 2008 15 May 2008 16 May 2008 12 May 2008 13 May 2008 14 May 2008 15 May 2008 16 May 2008 17 May 2008 18 May 2008 19 May 2008 10 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt nt 0.9 1.4 1.3 0.7 <	560 nt 610 nt 530 2400 1500 3000 3000 17000 520 5100 440 nt nt nt 60 460 250 690 280	<0.1 nt <0.1 nt <0.1 c0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <	<0.5 mt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 mt 380 nt 200 420 430 540 64 1000 1700 74 mt et 2800 75 120 68 700 100	7.7 7.3 nt 8.4 nt nt nt nt nt 4.8 6.3 nt nt nt 4.8 nt	nt n	110 110 110 110 110 110 110 110 110 111 11	nt n	70 70 70 70 nt s8 nt	91 91 91 nt 110 nt		nt n	nt n	<100 <100 100 100 100 100 100 100 100 10	nt n
ABH272 ABH272 ABH275 ABH276 ABH278 ABH282 ABH288 ABH288 ABH289 ABH295 ALG202 AMW201 BBH402 BBH402 BBH402 BBH405 BBH406 BBH406 BBH406 BBH407 SP4 Enter BBH430 REI Recr BBH432 BBH442 BBH442 BBH442 BBH442 BBH442 BBH442 BBH442	0.1-0.5 0.1-0.5 0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.2-0.4 0.1-0.2 0.2-0.4 0.1-0.3 0.0-0.2 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 eational 0-0.1 0.2-0.4 0.1-0.4 0.1-0.4 0.1-0.4	130598-305-KW Field Blind Replicate Sample of 130598-304-KW 130598-225-KW 130598-225-KW 130598-225-KW 130598-225-KW 130598-225-KW 130598-225-KW 150598-33-KW 150598-33-KW 150598-33-KW 150598-33-KW 150598-33-KW 120598-325-KW 120	13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 13 May 2008 14 May 2008 15 May 2008 16 May 2008 17 May 2008 18 May 2008 19 May 2008 19 May 2008 10 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt 0.9 1.4 1.3 0.7	560 nt 610 nt 530 2400 1500 3000 520 5100 440 nt 460 380 690 680 2500 280	<0.1 nt <0.1 nt <0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c	<0.5 nt <0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 1.5 <0.5 <0.5 nt nt 4.2 <0.5 <0.5 <0.6 1.5 1.5 1.5 1.5 1.5 1.5	340 nt nt 380 nt 200 420 420 430 540 64 1000 200 1700 74 nt 2800 75 120 260 68 700 100	7.7 7.3 nt 8.4 nt	nt n	110 1110 1110 1110 1110 111 111 111 111	nt n	70 70 70 70 nt 70 nt 58 nt	91 91 110 nt 110 nt		nt n	nt n	<100 <100 nt 100 nt 100 nt 100 nt	nt n
ABH272 ABH272 ABH273 ABH275 ABH276 ABH280 ABH282 ABH284 ABH295 ABH296 ALG202 AMW201 BBH402 BBH405 BBH405 BBH406 BBH411 BBH402 BBH407 BBH407 BBH407 BBH408	0.1-0.5 0.1-0.5 0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.1 0-0.1 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.1-0.2 0.2-0.4 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4	130508-305-KW Field Blind Replicate Sample of 130508-304-KW 130508-325-KW 130508-325-KW 130508-325-KW 130508-326-KW 130508-326-KW 130508-326-KW 130508-337-KW 130508-337-KW 130508-337-KW 130508-337-KW 130508-325-KW 120508-367-KW 120508-367-KW 120508-367-KW 120508-367-KW 120508-37-KW 120508-38-KW	13 May 2008 14 May 2008 15 May 2008 15 May 2008 15 May 2008 16 May 2008 12 May 2008 13 May 2008 14 May 2008 15 May 2008 16 May 2008 17 May 2008 18 May 2008 19 May 2008 10 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt nt 0.9 1.4 1.3 0.7 <	560 nt 610 nt 530 2400 1500 3000 3000 17000 520 5100 440 nt nt nt 60 460 250 690 280	<0.1 nt <0.1 nt <0.1 c0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <	<0.5 mt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 mt 380 nt 200 420 430 540 64 1000 1700 74 mt et 2800 75 120 68 700 100	7.7 7.3 nt 8.4 nt nt nt nt nt 4.8 6.3 nt nt nt 4.8 nt	nt n	110 110 110 110 110 110 110 110 110 111 11	nt n	70 70 70 70 nt s8 nt	91 91 91 nt 110 nt		nt n	nt n	<100 <100 100 100 100 100 100 100 100 10	nt n
ABH272 ABH272 ABH275 ABH276 ABH278 ABH282 ABH288 ABH288 ABH289 ABH295 ALG202 AMW201 BBH402 BBH402 BBH402 BBH405 BBH406 BBH406 BBH406 BBH407 SP4 Enter BBH430 REI Recr BBH432 BBH442 BBH442 BBH442 BBH442 BBH442 BBH442 BBH442	0.1-0.5 0.1-0.5 0.1-0.5 0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0-0.1 0-0.1 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0-0.2 0.1-0.2 0.2-0.4 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.3 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4 0.1-0.4	130598-305-KW Field Blind Replicate Sample of 130598-304-KW 130598-225-KW 130598-225-KW 130598-225-KW 130598-225-KW 130598-225-KW 130598-225-KW 150598-33-KW 150598-33-KW 150598-33-KW 150598-33-KW 150598-33-KW 120598-325-KW 120	13 May 2008 15 May 2008 15 May 2008 15 May 2008 15 May 2008 12 May 2008 13 May 2008 14 May 2008 15 May 2008 16 May 2008 17 May 2008 18 May 2008 19 May 2008 19 May 2008 10 May 2008	0.6 nt 1.6 nt 5.1 2.8 8.3 4.5 2.2 2.9 2.4 0.8 0.6 nt 0.9 1.4 1.3 0.7	560 nt 610 nt 530 2400 1500 3000 520 5100 440 nt 460 380 690 680 2500 280	<0.1 nt <0.1 nt <0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c	<0.5 nt <0.5 nt <0.5 nt 2.3 6.2 3.2 6 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 1.5 <0.5 <0.5 nt nt 4.2 <0.5 <0.5 <0.6 1.5 1.5 1.5 1.5 1.5 1.5	340 nt nt 380 nt 200 420 420 430 540 64 1000 200 1700 74 nt 2800 75 120 260 68 700 100	7.7 7.3 nt 8.4 nt	nt n	110 1110 1110 1110 1110 111 111 111 111	nt n	70 70 70 70 nt 70 nt 58 nt	91 91 110 nt 110 nt		nt n	nt n	<100 <100 nt 100 nt 100 nt 100 nt	nt n
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ABILITY ABILIT	0.1-0.5 0.0-0.2 0.05-0.25 0.0-0.2 0.05-0.25 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.3 0.0-0.2 0.0-0.3 0.0-0.2 0.0-0.3 0.	130598-305-KW Field Blind Replicate Sample of 300408-101-KW 130698-225-KW 130698-225-KW 130698-225-KW 130698-225-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 120598-375-KW 120598-375-K	13 May 2008 14 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008 30 Apr 2008 10 May 2008 30 Apr 2008	0.6 nt 1.6 nt 1.	560 10	<0,1	<0.5 mt <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0	340 at 1 at	7.7. 7.3 nt 8.4 nt nt nt nt nt et nt nt st 4.8 nt nt nt nt nt st 4.8 nt nt nt nt st 4.8 nt nt nt nt st 8.4 nt n	rst	110 at 90 nt	nt n	70 nt 170 nt 180	91 91 91 110 110 1110 1110 1110 1110 11	△35 m 1 1 1 1 1 1 1 1 1	10 10 10 10 10 10 10 10	nr nr nr nr nr nr nr nr	C C C C C C C C	nt n
ABIF272 ABIF27	0.1-0.5 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0.0-0.2 0-0.2	130598-305-KW Field Blind Replicate Sample of 130598-304-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-225-KW 130508-235-KW 130508-335-KW 130508-335-KW 130508-337-KW 130508-337-KW 130508-337-KW 120508-325-KW 120508-345-KW	13 May 2008 15 May 2008 12 May 2008 13 May 2008 14 May 2008 15 May 2008 16 May 2008 16 May 2008 17 May 2008 18 May 2008 19 May 2008 10 May 2008	0.6 et al. 6	560 100	<0,1 1	<0.5	340 340 380 set 380 set 100 200 420 420 420 420 430 540 1000 200 74 set 1000 75 100 1100 1100 1100 1100 1100 11	7.7. 7.3 nt 8.4 nt nt nt nt nt 4.8 nt nt nt nt nt nt nt nt st 4.8 nt n	nt n	110 110 110 110 111 110 111 110 111 111	nt n	70 70 70 70 81 81 88 81 81 81 81 81 81 83 84 84 81 81 81 81 81 81 81 81 81 81 81 81 81	91 91 91 110 110 110 110 110 110 110 110	<25 nt nt nt nt <25 <25 nt <25 nt <25 nt nt nt <25 <25 nt nt nt <25 <25 nt <25 <25 nt <25 nt <25 <25 nt <25 <25 nt <25	10 10 10 10 10 10 10 10	nt n	<100 <100 nt <100 nt <100 nt <100 nt <100 nt <100 nt <100 nt <100 nt <100 nt <100 nt <100 nt	mt mt mt mt mt mt mt mt
ABILT2: ABILT2: ABILT2: ABILT3: ABILT3	10.1-0.5 10.0-0.2 10.	130598-305-KW Field Blind Replicate Sample of 300408-101-KW 130698-225-KW 130698-225-KW 130698-225-KW 130698-225-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 130698-325-KW 120598-375-KW 120598-375-K	13 May 2008 14 May 2008 12 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008 30 Apr 2008 10 May 2008	0.6 nt 1.6 nt 1.	560 10	<0,1	<0.5 mt <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0	340 at 1 at	7.7 7.3 nt 8.4 nt nt nt nt nt 4.8 6.3 nt nt nt nt st 6.9 9.1 nt nt nt nt nt st 8.4 8.2 8.2 8.2 8.2 8.2	eff. set	110 110 110 110 110 110 110 110 110 110	nt n	70 70 70 70 81 81 88 81 81 81 81 81 81 81 81 81 81	91 nt 110 nt n	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	10 10 10 10 10 10 10 10	Int	C C C C C C C C C C C C C	nt n
ABILT2 AB	0.1-0.5 0.0-0.2 0.0-0.5 0.0-0.2 0.0-0.	130598-305-KW Field Blind Replicate Sample of 300408-104-KW 130508-325-KW 120508-375-KW	13 May 2008 14 May 2008 15 May 2008 15 May 2008 12 May 2008 12 May 2008 12 May 2008 28 Apr 2008 29 Apr 2008 29 Apr 2008 29 Apr 2008 30 Apr 2008 10 May 2008	0.6 et al. 6	560 100 110	<0,1	<0.5 mt <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	340 and	7.7 7.3 nt 8.4 nt nt nt nt nt nt nt st 4.8 6.9 9.1 nt nt nt st 4.8 8.2 8.2 8.2 8.2 nt	eff in the second of the secon	110 110 110 110 110 110 110 110 110 111 11	nt n	70 res from 1 res from	91 91 91 110 110 111 111 111 111 111 111	△35 10 10 10 10 10 10 10 1	ref ref	Int	Cl00	ता त

RK.1 Kecreational
BMW401 | 0.10-0.35 | 020508-187-KW
Concentrations above this action level are shown in bold text.

-## Represents results below the laboratory Practical Quantitation Limit.

-# No Texted
- Action Level not established

Table 19: S	oil Analy	Table 19: Soil Analytical Results - VOC1																									Н
Location	Sample Depth (m)	Sample ID	Date Sampled	Styrene	Cumene (isopropylbenzene)	n-Propylbenzene	onosmodłynomiaT-2,5,1	sec-pnţλjpeuzeue	onosnodłyntomiaT-4,2,1	tert-Butylbenzene	p-isopropyltoluene	2,2-Dichloropropane	1,2-dichloropropane	ors-1,3-Dichloropropene	trans-1,3-Dichloropropene	onsdieomordid-2,1	Dichlorodifluoromethane	Chloromethane	Vinyl chloride	Вгототейзапе	Сһіогосіваве	Trichlorofluoromethane	1,1-Dichloroethylene	9nethaorochaid-1,1	cis-1,2-Dichloroethylene	ansitration of the second of t	
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg n	mg/kg m	mg/kg mg	mg/kg mg/kg	kg mg/kg	g mg/kg	mg/kg	mg/kg	mg/kg	mg/kg 1	mg/kg n	mg/kg m	mg/kg mg	mg/kg mg	mg/kg mg	mg/kg mg/kg	g mg/kg	g mg/k	mg/kg	
SP4 Enterprise	rise																										7
ABH202	1.9-2.2	090508-202-KW	09 May 2008	< 1	<1	< 1	< 1	<1	<1	<1 <	:1 <1	< 1	< 1	^ 1	<1	< 1	< 10	< 10	< 10	< 10 <	> 01	10 <	1 <1	< 1	> 1	>	
ABH210	0.1-0.2	060508-46-KW	06 May 2008	< 1	^ 1	< 1	1.5	< 1	3.1	<1 <	< 1	\ \	\ \	< 1	< 1	^ 1	< 10	< 10	< 10	< 10 <	< 10 <	< 10 <	1 <1	<1	^	^	
ABH2103	0.9-1	090508-197-KW	09 May 2008	~	- V	- V	- V			v 	7	~	V	- V	- V	- V	> 10	< 10	< 10	× 10	> 01 >	> 01		~	~	~	
ABH2105	1.4-1.5	150508-333-KW	15 May 2008	< 1	1.5	5.5	7.8	<1	43 <	< 1 >	1.9	<1	< 1	< 1	< 1	< 1	< 10	< 10		> 01>		. > 01	1 <1	< 1	< 1	< 1	П
ABH2105	3.84	150508-600-KW	15 May 2008	^		^ 1	^ 1	^ 1	-	^ ^		- -	· ·	_	- 1	^ 1	> 10	< 10	> 10	> 01 >	> 10 >	> 01 >		^	^	^	7
ABH2106	1.1-1.2	090508-205-KW	09 May 2008	- 1	-	-1>	<1	-1		· I>	1	-	-	^	<1	<1	< 10	< 10	> 10	> 01 >	> 01>	> 01 >	-	^	^	^	_
ABH2107	1-1.1	150508-341-KW	15 May 2008	< 10	< 10	19	40	< 10	> 091	< 10 <	10 <10	0 < 10	< 10	<10	< 10	< 10	< 100	< 100	> 100 >	< 100 < 1	100	> 001	< 10 < 10	< 10	< 10	< 10	
ABH2108	4.2-4.5	150508-348-KW	15 May 2008	^		^ 1	^ 1	^ 1	-	^1 ^		- V	· ·	_	- 1	^ 1	> 10	< 10	> 10	> 01 >	< 10 <	> 01 >		^	^	^	7
\neg	0.35-0.345	080508-161-KW	08 May 2008	-	~	-1	^ 1		~	\ \ \	1	~	^ \	~	-1	^ 1	> 10	< 10	× 10	> 10	> 10 >	10		~	~	~	7
ABH299	0.1-0.2	090508-168-KW	09 May 2008	^1	~	<1	× 1	-1		×1 ×	.1	× 1	× 1	~	-1	> 1	< 10	< 10	> 10	< 10 <	< 10 <	10	1 <1	~	~	~	7
ė	tional																										П
BBH402	6.0-8.0	280408-07-KW	28 Apr 2008	^ \	-	< 1	< 1	-1		<1 >	1 <1	^ \	< 1	-	٧.	< 1	< 10	< 10	> 01>	< 10 <	> 10 >	> 01	1 <1	^	^	^	г
BBH438	1.9-2	290408-73-KW	30 Apr 2008	< 1	< 1	<1	< 1	<1	<1	<1 <1	1 <1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	> 01 >	> 01>	> 01>	< 10 < 1	1 <1	<1	< 1	< 1	П
SP4 Enterprise	rise																										П
ABH226	0.1-0.2	060508-20-KW	06 May 2008	< 1	^	< 1	< 1	<1	-	×1 ×	1 <1	^	· 1	<1	<1	< 1	< 10	< 10	> 01 >	> 10 >	> 01>	> 01	1 <1	<1	^	^	Т
ABH229	8.0-5.0	060508-14-KW	06 May 2008	< 1	^	<1	< 1	× 1	<1	<1 >	1 <1	^	^	< 1	< 1	< 1	< 10	< 10	< 10	< 10 <	> 10 >	> 01>	1 <1	<1	×	^	
_	8.0-5.0	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	~	~	-	-		-	×1 ×	1	~	~	~	-	-	< 10	< 10	> 01 >	> 01>	> 01>	> 01 >	-	~	~	~	Г
\dashv	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 < 0	< 0.5 < 0.5	5 < 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 5 <	< 5 <	< > < >	< 0.5 < 0.5	> < 0.5	< 0.5	< 0.5	_
_	0.6-0.7	080508-152-KW	08 May 2008	-			-		_	_	_	~	~		- 1	-	< 10	-		+		+	_	~	^	^	Т
ABHZ31	0.6-0.7	080508-153-KW Field Blind Replicate Sample of 080508-152-KW	08 May 2008	7	7	7	7	7	7 7	v 1	7 7	7 7	7 7	7 7	7 7	7	01 > 10	01 > 10	01 > 10	v 10 01 v 1	01 01 0	01 > 10	7 7	7	7 7	7 7	Т
ABH249	1-1.1	080508-110-KW	08 May 2008	7 -	7 -	7 -	7 -	7 -					7 -	7 -		7	01 >				-			7 -	7 7	7 7	Т
ABH265	0-0.1	120508-228-KW	12 May 2008	~	~	-	- 1	- 1	-	\ 	-1	~	~	~	· 1	\ 	< 10	< 10				< 10 < 1	1 <1	^	^	^	Т
RE1 Recreational	tional																										П
ABH275	0.8-1.2	130508-286-KW	13 May 2008	< 1	< 1	<1	<1	<1	<1	<1 >	1 <1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	> 01 >	> 01>	> 01>	> 01>	1 <1	< 1	< 1	< 1	П
-	0.8-1.2	130508-287-KW Field Blind Replicate Sample of 130508-286-KW	13 May 2008	~	~	~							~	-	-	<1	< 10	< 10	· 01 >	> 01>	> 01>	> 01 >			^	~	П
\dashv	0.8-1.2	130508-288-KW Split Field Duplicate of 130508-286-KW	13 May 2008	< 0.5	< 0.5	< 0.5	< 0.5	2	.5	< 0.5 < 0.5		5 < 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 5				*		·	< 0.5	< 0.5	\neg
-	0.8-1	130508-283-KW	13 May 2008	-	-	7			_	_	_	⊽ :	7 :	- -	-	-	> 10	< 10	+	+	+			~ :	7 7	~ -	Т
-	0.7-0.8	IS0S08-3/4-KW	15 May 2008	·	·	·	_	-		1	_	1	·	·	1>	-	oI >	+	+	+	+	+	1	·	·	·	Т
AMW207	0.5-0.7	120508-219-KW	12 May 2008	~	<u>_</u>	7	-	-		~ :	~	~	~ =	~ -	-	-	< 10	< 10		> 01 >		< 10 < 1		~ :	~	~	Т
+	24.25	WN-2-M-904-02-00-00-00-00-00-00-00-00-00-00-00-00-	29 Apr 2006	7 5	7 -	7 -	7 7	7 5		7 .			7 5	7 .	7 -	7 5	01 / 10	01/01/	01/01/		01/10	01/01/	7 -	7 1	7 5	7 5	Т
+	9050	300408-85-KW	30 Apr 2008														01 >	> 10	+					1 1			Т
- 1	rise		on why wood	:			-	-					:	:			21,		01,		2	1		1		:	т
BBH433	2.4-2.5	010508-159-KW	01 May 2008	~	^		-	-	-			^	^	~	^	_ ^	< 10	< 10	< 10	> 10	> 10	< 10	-	nt	^	^	1
ة ⊢	fional		and the same of th																-	1	ł	ł		-			т
BBH447	0.7-0.8	010\$08-14\$-KW	01 May 2008	~	~	-	-	-	-			~	~	~	>	· ·	> 10	< 10	v 10	> 01 >	> 01>	> 01	_	nt	V	V	Τ
	0.4-0.5	010508-140-KW	01 May 2008					-		· ·					-	-	01 >			H	-	01		1		~	Т
-1	1								1		l	$\frac{1}{2}$						1	1	1	$\frac{1}{2}$	1		-			1

OUTODO-concentration above this action local are shown in hold text.

Concentrations above the identical plant action of the text of the control of the con

Table 19(c	continued)	Table 19(continued): Soil Analytical Results - VOC1																											
Location	Sample Depth (m)	Sample ID	Date Sampled	snsqorqoroldsiG-1,1	Carbon tetrachloride	onentsorothsid-2,1	Trichlorocthene	Dibriomomordid	onsqorqoroldəib-£,1	Tetrachloroethene	onethorotherioT-2,1,1,1	onediooroldoerioT-2,2,1,1	oneqoaqoaoldoiaT-E,S,I	onsqorqoroldo-£-omordid-£,1	Hexachlorobutadiene	Вготосьою тента	Втотоорепхене	o-Chlorotoluene	4-chlorotoluene	ənəxnədoroldəi(I-£,I	ənəznədoroldəi(I-Þ,I	onoznodoroldoid-2,1	snsznsdoroldsivi-4,£,£	onoscnodovolioirotene	Сыючоют	Вготобісью петрапо	Съгостовнотот Съгост	Вготога	Naphthalene
			Units	mg/kg	mg/kg	mg/kg m	mg/kg mg.	ng/kg mg/kg	cg mg/kg	g mg/kg	mg/kg	mg/kg	mg/kg n	mg/kg mg	mg/kg mg	mg/kg mg/kg	kg mg/kg	g mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg r	mg/kg	mg/kg
SP4 Enterprise	prise								ŀ			ŀ				ŀ	ŀ											-	
ABH202	1.9-2.2	090508-202-KW	09 May 2008	~	-		+			~	- -	- V	~			+		~	~	~	7	~	~	~	~	~	~	_	nt
ABH210	0.1-0.2	060508-46-KW	06 May 2008	~		1	+	1	1	√ .	· ·	Ţ.	~	1		+	1	⊽ .	~	~	√ .	~	~	~	~	~	~	~	nt
ABH2103	0.9-1	090508-197-KW	09 May 2008	7	7	V 7	~ ~	V 7	V 7	⊽ 7	V 7	⊽ ₹	7	· ·	V 7	V 7	V 7	V 0	V 7	7	7	· ·	V 7	7	V 1	⊽ 7	7	7 7	t i
ABH2105	3.8.4	150508-505-5W	15 May 2008	7 7	7 7		7 7			7 7	7 7	7 7	7 7	ł	ł			0.1	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	i i
ABH2106	1.1-1.2	090508-205-KW	09 May 2008			H	+	H		7	7			H	ŀ		H	7				7	7						1 11
ABH2107	1717	150508-341-KW	15 May 2008	<10	< 10	t	\vdash	<10 <10	ŀ	< 10	< 10	× 10	0	_	< 10	10 < 10	0 < 10	ŀ	< 10	< 10	< 10	<10	< 10	< 10	× 10	v 10	<10	< 10	nt
ABH2108	424.5	150508-348-KW	15 May 2008	V	· ·	-	^1 v	· ·	~	V	· ·	ī	~	~	~	\ \ \	7	7	V	~	V	V	V	V	V	V	V	V	nt
	0.35-0.345	080508-161-KW	08 May 2008	~	· ·	-	× I ×	1 <1	-	~	< l	ī	- 1	·	<1 <	-	~	~	~	<1	-		· ·	· ·	-	-1	· ·	-1	nt
ABH299	0.1-0.2	090508-168-KW	09 May 2008	· · ·	<1	<1	< I >	1 <1	< 1	· ·	<1	· ·	<1	· - 1 -	<1 ×	<1 <1		< l	<1	<1	<1	< 1	- 1	· ·	<1	<1	<1	<1	nt
	sational																												
		280408-07-KW	28 Apr 2008	V	V	- - -	v 	~	⊽	~	V	7	~	~	v 	V V		~	~	~	7	7	7	~	7	~	7		< 0.1
BBH438	7-6-1	290408-73-KW	30 Apr 2008	v	~	-	v	_	-	v	~	V	V	-		-	v	V	v	v	~	V	~	_	_	~	_	_	Ţ
ABLIDGE D I	o i o o	NA 00 803070	00 Mar. 2000	-	`\		1	-	7	7	`\	1	-	-	-	\	7	1	7	-	-	-	-	-	-	-	-	-	-
-	0.5-0.8	060508-14-KW	06 May 2008	7 7	7 7	+		+		7 7	7 7	7 7	7 7	+				7	7	· -	7	· I >	7 7	7 7	7 7	7 7	7 7	7 7	1 1
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	~	^					~	^	7	~	~		-		~	~	~	~	· .	-	~	~	-	~	-	nt
ABH229	8.0-5.0	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.5	16	< 0.5		< 0.5 < 0.5	5 < 0.5	< 0.5	< 0.5	< 0.5	5.	> 6.5	< 0.5 n	nt < 0.5	5 < 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2	< 0.5	nt
ABH231	2.0-9.0	080508-152-KW	08 May 2008	· ·	<1	-	× 1 ×	1>	· ·	·	· ·	ľ	- 1		v		·	< >	>	< 1	· 1	1>	1>	>	>	-1	· ·	< 1	nt
ABH231	0.6-0.7	080508-153-KW Field Blind Replicate Sample of 080508-152-KW	08 May 2008	7	~ .	+	+	+		~	-	7	-	+	1	+	+	⊽ -	~	7	7	~	-	7	-	7	- -	-	nt
ABH240 ABH249	0.8-1	080508-126-KW 080508-110-KW	08 May 2008 08 May 2008	v v	v v	v v	V V	v v	v v	v v	v v	v v	v v	v v	v v	V V	v v	v v	V	V V	v v	v v	V V	v v	v	v v	~ ~	v v	t t
ABH265	0.0.1	120508-228-KW	12 May 2008	~	-	~	·		~	~	~	~	-	-		~	~	~	~	~	-	-	7	-	7	7	-	-	nt
RE1 Recreational	ational																												
ABH275	0.8-1.2	130508-286-KW	13 May 2008	~	^		v 	~	~	~	^1	· 1	-	~	\ \ \	~	~	~	~	~	~	^	~	~	~	-	-	-	nt
ABH275	0.8-1.2	130508-287-KW Field Blind Replicate Sample of 130508-286-KW	13 May 2008	7	+	+	1	+	+	7	- :		+	+	+		+	7	- ·	^1						7			nt
ABH2/5	771-870	130308-288-KW Split Field Duplicate of 130308-288-KW	13 May 2008	< 0.0	< 0.3	v 0.3	× 0.3	0.0	CU > C	< 0.0	< 0.3	50.5	c.0.5	v cov	7 nu c'n >	nt < 0.5	C.U.>	C0 >	c.u.>	< 0.0	co.	c.0.>	cu>	c.u.>	c.0.5	cu>	c.0.5	CU.>	nt -
ABH288	0.7.0.8	150508-253-KW	15 May 2008	7 7	7 7		7 7			7 7	7 7	7 7	7 7	ł		ł	+	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	i i
AMW207	0.5-0.7	120508-219-KW	12 May 2008				+	H		7				H		+	H	7	7	7		7		7	7			-	ıı tı
BBH416	97-51	2 90408-35 -KW	29 Apr 2008	~	~	~		~	~	~	~	~	-	-	~	~	~	~	~	~	~	· ·	-	~	~	~	~	~	_
BBH424	1.4-1.6	290408-55-KW	29 Apr 2008	~	· ·	- 1	×	- I >	~	~	^	7	-1	-	v -	-1>	~	~	~	· 1	~	1>	-1>	-	V .	-	-	- I	~
BBH409	1.9-2	290408-42-KW	29 Apr 2008	· · ·	<1	<1	< I >	1 <1	< 1	· ·	<1	· ·	<1	<1	×1 ×	<1 <1		< l	<1	<1	<1	< 1	- 1	· ·	<1	<1	<1	<1	-
BBH429	2.4-2.5	010508-155-KW	01 May 2008	~	V .		v 	_	~	~	, ,		~		~			~	~	~	~	· ·	~	~	~	~	~	-	< 0.1
BBH431	9.0-2.0	300408-85-KW	30 Apr 2008	~	V .		·		~	~	^ ^		~	~	- -	~	~	~	~	~	~	· ·	~	~	~	~	-	-	< 0.1
	prise			-	-	ŀ	-		-	-		-	-	-		ŀ	-	-								ŀ	-	-	-
BBH433	2.4-2.5	010508-159-KW	01 May 2008	· ·	· ·		v	· ·	v	·	· ·	V	- I >	v	V	· ·	v	·	·	~	v	·	~	~	~	~	_		< 0.1
	eational	THAT OF L WOOD IN	0000			ŀ	ľ		L	ŀ		ŀ		ŀ	ŀ	ŀ	L	-											T,
	0.7-0.8	010508-145-KW	01 May 2008	7	7	+	v :	V .		₹ 5	7	⊽ ;	7	+	+	+	$\frac{1}{1}$	V .	7	7	7	· ·	7	7	7	7	7	7	Ţ.
BBH450	0.4-0.5	010508-140-KW	01 May 2008	V	· v	_	v v	·	·	·	·	· ·	v	v v	v		_	·	V	· ·	-	V	·	-	v	v	V	~	< 0.1

-### Represents results below the laboratory Pract in t = Nor Tested -- Artison Level not established

		Table 2	0: Soil Analyti	cal Result	s - PAAH	1						
Location	Sample Depth (m)	Sample ID	Date Sampled	2,4-DB	Dicamba	2-(2-Methyl-4- chlorophenoxy) propionic acid	2-Methyl-4- chlorophenoxyac etic acid	2,4-DP (Dichloroprop)	2,4D	Triclopyr	2-(2,4,5- Trichlorophenox y) propionic acid	2,4,5-T
CD4 E			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enter		0.00500 40 77W	0616 2000	.0.1	.0.1		.01	.0.1	-0.1	-0.1	-0.1	.01
ABH205 ABH206	0.1-0.2	060508-49-KW 090508-208-KW	06 May 2008 09 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH206 ABH215	0.1-0.2	090508-208-KW 060508-36-KW	06 May 2008	< 0.1	< 0.1	nt nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH221	0.1-0.25	080508-158-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2102	0.2-0.3	090508-185-KW	09 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-14-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.04	< 0.04	nt	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
ABH230	0.1-0.2	080508-148-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH237	0-0.2	060508-27-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH242	0.5-0.7	080508-145-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH242	0.5-0.7	080508-146-KW Field Blind Replicate Sample of 080508-145-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH251	0-0.1	080508-116-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH253	0-0.1	080508-133-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recre												
ABH259	0-0.1	120508-248-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter												
ABH261	0-0.2	120508-244-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH264	0-0.1	120508-232-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recre												
ABH268	0-0.2	120508-275-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272	0.1-0.5	130508-304-KW	13 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272	0.1-0.5	130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH275	0-0.2	130508-285-KW	13 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter ABH285	0-0.2	150508-389-KW	15 M 2000	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
		130308-389-KW	15 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH288	0-0.2	150508-373-KW	15 May 2008	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH290	0-0.2	150508-358-KW	15 May 2008	< 0.1	< 0.1	nt nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH423	0.1-0.3	300408-81-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH454	0-0.1	010508-126-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter		***************************************	,									
BBH407	0.05-0.15	290408-43-KW	29 Apr 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH430	0.1-0.3	300408-106-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recre	eational											
BBH432	0-0.1	010508-160-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter	prise		•			•	•				•	
BBH441	0-0.2	010508-150-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recre	eational											
BBH445	0.1-0.4	010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH445	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
BBH446	0.1-0.2	010508-146-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enter												
BBH452	0.1-0.2	300408-96-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recre				1				1				
BBH455	0.1-0.2	010508-120-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Concentrations above this action level are shown in **bold** text.

<### Represents results below the laboratory Practical Quantitation Limit.</p>
nt = Not Tested
... = Action Level not established

			Table	21: Asbestos F	Results	
Location	Sample Depth	Sample Id	Date Sampled	Material Type	Sample Description	Asbestos ID in material
ABH283	0-0.2	150508-381-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH206	0.1-0.2	090508-208-KW	09 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH207	0.2-0.4	090508-207-KW	09 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH210	0.1-0.2	060508-46-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH212	0.35-0.45	080508-161-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH214	0-0.1	070508-70-KW	07 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH217	0.0-0.2	060508-43-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH220	0.2-0.3	060508-04-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH221	0.1-0.25	080508-158-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH222	0-0.1	070508-76-KW	07 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH225	0.0-0.2	060508-33-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH228	0.2-0.3	060508-10-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH231	0-0.3	080508-151-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH232	0-0.2	060508-52-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH236	0-0.1	080508-102-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH243	0-0.1	080508-141-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH246	0-0.2	070508-84-KW	07 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH248	0-0.1	080508-105-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH251	0-0.1	080508-116-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH254	0-0.1	080508-136-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH257	0-0.2	120508-254-KW	12 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH265	0-0.1	120508-228-KW	12 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH271	0-0.2	130508-308-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH274	0.1-0.3	130508-289-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH276	0.05-0.25	130508-282-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH281	0-0.2	130508-302-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH286	0.1-0.3	150508-391-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH287	0-0.4	150508-378-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH291	0.1-0.5	150508-352-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH293	0.4-0.5	130508-328-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH294	0-0.2	150508-367-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH296	0-0.2	120508-261-KW	12 May 2008	FILL FILL	No asbestos detected	Respirable fibres not detected
ABH296 ALG203	2.6-2.8 0-0.2	120508-263-KW	12 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ALG203 Area A1-A	Surface	130508-317-KW	13 May 2008	MATERIAL	No asbestos detected	Respirable fibres not detected Chrysotile asbestos detected.
Area A1-A	Surface	130508-A1-KW 120508-A1-KW	13 May 2008 12 May 2008	MATERIAL	60x80x4mm fibre cement sheet fragm 200g fibre cement sheet fragments	Chrysotile asbestos detected.
Alca Al-D	Surface	120306-A1-KW	12 May 2006	WATEKIAL	200g note cement sheet fragments	Amosite asbestos detected.
						Crocidolite asbestos detected
Area A2	Surface	120508-A2-KW	12 May 2008	MATERIAL	15g fibre cement sheet fragments	Chrysotile asbestos detected
Area A3	Surface	120508-A3-KW	12 May 2008	MATERIAL	15g fibre cement sheet fragments	Chrysotile asbestos detected
BBH407	0.05-0.15	290408-43-KW	29 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH408	0-0.2	290408-50-KW	29 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH412	0-0.2	280408-21-KW	29 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH415	0.1-0.3	300408-78-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH428	0.1-0.2	010508-162-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH430	0.1-0.3	300408-106-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH432	0.1-0.2	010508-160-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH435	0.1-0.3	300408-110-KW	19 Jun 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH438	0.2-0.3	290408-72-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH439	0.1-0.2	010508-133-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH442	0.1-0.4	300408-101-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH446	0.1-0.2	010508-146-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH451	0.0-0.1	010508-A1-KW	01 May 2008	FILL	Fibre cement sheet	Chrysotile asbestos detected
BBH452	0.1-0.2	300408-96-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH453	0.2-0.3	300408-92-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH454	0-0.1	010508-126-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH455	0.1-0.2	010508-120-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BMW401	0.6-0.7	020508-A2-KW	02 May 2008	FILL	Fibre cement sheet	Chrysotile asbestos detected
- = not collected	1					

^{- =} not collected

									1	able 22: Soil an	Fable 22: Soil analytical results - POCAS	- POCAS										
		ABH203(1.9-2.0)	ABH209(1.7-1.9)	ABH203(1.9-2.0) ABH209(1.7-1.9) ABH210(2.6-2.8) ABH214(1.8-2.0) ABH228(1.9-2.2)	ABH214(1.8-2.0)	ABH228(1.9-2.2)	ABH230(1.8-2.0)	BH231(1.6-1.8)	ABH238(1.9-2.0) ABH237(2.3-2.4)	ABH237(2.3-2.4)	ABH242(1.6-1.7)		ABH255(2.4-2.6) ABH258(1.6-1.7)		ABH266(2.02.2) ABH269(2.1-2.2) ABH270(2.4-2.6)	ABH270(2.4-2.6)	Action	Action Criteria (1 - 1000 tonnes)	tonnes)	Action (Action Criteria (>1000 tonnes)	nes)
Parameters	EQL	7-May-08	7-May-08	6-May-08	7-May-08	6-May-08	8-May-08	8-May-08	7-May-08	6-May-08	8-May-08	8-May-08	12-May-08	12-May-08	13-May-08	13-May-08	Sands to loamy	Sandy loams to	Sandy loams to Medium to heavy	Sands to loamy	Sandy loams to Medium to heavy	fedium to heavy
		Sand	Sand	Sand	Sand	Silty sand	Silty sand	Silty sand	Sand	Sand	Sand	Sand	Sand	Silty sand	Silty sand	Silty sand	spues	light clays	clays	sands	light clays	clays
ield ph (H ₂ O)	0.1	5.5	5.5	5.5	5.5	5.5	9	7	5.5	9	9	7	9	9	6.5	6.5						
ield ph (H ₂ O ₂)	0.1	-	-	-	5.5	0	\$	00	2	0	2	0	3	2	-	0						
AA (mol H+/tonne)	5	12		\$		12						5										
PA (mol H+/tonne)	5	130		5		165						213					18	36	62	18	18	18
S-KCI (%)	0.01	0.02		800.0		0.039						0.072										
-P (%)	0.01	0.33		0.053		0.48						0.58										
-POS (%)	0.01	0.31		0.045		0.44						0.51					0.03	90'0	0.1	0.03	0.03	0.03
'SA (mol H+/tonne)	2	118		<5.0		153						213										
Note: Concentrations over action criteria are highlighted and shown in bold text.	eria are highlighs	ted and shown in bold tex	ţ.																			
		ABH(2.2-2.4)		ABH272(2.4-2.6) ABH273(2.4-2.6) ABH274(2.5-2.7) ABH275(2.6-2.8) ABH276(2.6-2.8) ABH277(1.2-1	ABH274(2.5-2.7)	ABH275(2.6-2.8)	ABH276(2.6-2.8)	(4:	ABH278(2.6-2.8)	ABH281 (2.4-2.6)	ABH286(2.0-2.2)	ABH291(2.6-2.7)	ABH295(2.4-2.6)	ALG202(2.0-2.4)	ABH278(2.6-2.8) ABH28(2.4-2.6) ABH286(2.0-2.2) ABH291(2.6-2.7) ABH295(2.4-2.6) ALG202(2.0-2.4) ALG203(2.2-2.4) ALG204(2.0-2.4)	ALG204(2.0-2.4)	Action	Action Criteria (1 - 1000 tonnes)	tonnes)	Action (Action Criteria (>1000 tonnes)	nes)
Parameters	EQL	13-May-08	13-May-08	13-May-08	13-May-08	13-May-08	13-May-08	13-May-08	13-May-08	13-May-08	15-May-08	13-May-08	13-May-08	12-May-08	13-May-08	15-May-08	Sands to loamy	Sandy loams to	Sandy loams to Medium to heavy	Sands to loamy	Sandy loams to Medium to heavy	fedium to heav
		Sand	Silty sand	Silty clay	Silty clay	Silty sand	Silty sand	Silty sand	Silty sand	Silty clay	Silty sand	Silty clay	Silty clay	Silty sand	Silty clay	Silty sand	smds	light clays	clays	spurs	light clays	clays
(O ^z H) hd blo	0.1	- 4	9	6.5	7	6.5	6.5	9	6.2	9	6.5	6.5	6.5	5	59	6.5						
ield ph (H ₂ O ₂)	0.1	9	3	0	-	0	0	4	0	3	3.5	6.5	9	4	9	6.5						
AA (mol H+/tonne)	5			\$	<>		<>		\$>		\$>											
PA (mol H+/tonne)	5			505	338		418		240		463						18	36	62	18	18	18
S-KCI (%)	0.01			0.034	0.031		0.058		0.038		0.036											
-P (%)	0.01			1.1	0.81		1.2		89:0		0.72											
9-POS (%)	0.01			1	0.78		17		9.65		69'0						0.03	90.0	0.1	0.03	0.03	0.03
'SA (mol H+/tonne)	5			505	338		418		240		463						18	36	62	18	18	18
Note: Concentrations over action oriteria are highlighted and shown in bold text.	eria are highlight.	ted and shown in bold tex	4																			

	-	BBH401(2.6-2.8)	() BBH403(2.0-2.2)	BBH406(1.8-1.9)	BBH408(2.0-2.2)	BBH411(2.2-2.3)	BBH412(2.2-2.4)	BBH415(2.6-2.8)	BBH421(1.8-2.0)	BBH422(2.6-2.8)	BBH427(2.6-2.8)	BBH440(2.3-2.4)	BBH442(2.6-2.8)	BBH447(2.6-2.8)	BBH453(2.5-2.6)	BBH458(3.8-4.0)	Action	Action Criteria (1 - 1000 tonnes)	(onnes)	Action	Action Criteria (>1000 tonnes)	onnes)
		28-Apr-08	28-Apr-08	29-Apr-08	29-Apr-08	29-Apr-08	28-Apr-08	30-Apr-08	30-Apr-08	30-Apr-08	29-Apr-08	1-May-08	30-Apr-08	1-May-08	30-Apr-08	1-May-08	Sands to loamy	Sandy loams to	Medium to heavy		Sands to loamy Sandy loams to Medium to heavy	Medium to hear
Parameters	EQL	Sand	Silty sand	Sand	Sand	Sand	Sand	Silty sand	Silty clay	Silty sand	Clayey silt	Silty clay	Silty clay	Silty clay	Silt	Silty sand	smds	light clays	clays	spas	light clays	clays
Fieldph(H ₂ O)	0.1	7.5	6.5	9	9	9	7	9	5'9	9	7	6.5	9	6.5	5.5	9						
Field ph (H ₂ O ₂)	0.1	6.5	-	4.5	5	2	1	4.5	5	9	3	3	3.5	6.5	1.5	-						
TAA (mol H+/tonne)	2		\$	7.5		5	<>				\$>	<>			<>	<>						
TPA (mol H+/tonne)	5		333	108		\$	338				1010	253			195	1185	18	36	62	18	18	18
S-KCI (%)	0.01		0.047	910.0		600.0	0.039				0.13	0.024			0.043	0.13						
S-P (%)	0.01		92'0	0.22		0.12	82.0				3.9	0.52			0.56	2.5						
S-POS (%)	0.01		0.71	0.21		0.11	0.74				3.7	0.49			0.52	2.4	0.03	90.0	0.1	0.03	0.03	0.03
TSA (mol H+/tonne)	5		333	100		<>	335				1010	253			861	1188	18	36	62	18	18	18
Note: Concentrations over action criteria are highlighted and shown in bold text.	criteria are highligi	thed and shown in bold to	zxt.																			

	Phenols	mg/l	<0.05	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	ıı	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	0.05	400
	noI (II) muisəngsM	mg/l	220	099	0.29	622	nt	16	nt	24	68	99	24	24	24	230	110	450	330	320	nt	nt	42	110	22	14	71	3	24	30	336	300	-	
	(sV) muibo2	l/gm	2000	7200	7300	0855	ju	84	nt	140	092	089	120	120	122	2100	620	4600	0091	1500	nt	nt	096	1000	38	36	220	320	250	3500	3160	3500	1	
	noI (I) muisskio¶	l/gm	63	230	240	205	ju	8.8	nt	10	43	98	61	61	20	89	47	130	66	92	nt	nt	33	09	10	12	23	25	23	130	130	120	1	
	Galcium (II) Ion	l/gm	320	300	310	437	ju	26	nt	150	760	230	18	82	92	110	230	009	019	610	nt	nt	26	089	160	110	370	130	82	170	163	230	1	
	Total Alkalinity	mg/l	nt	370	370	323	nt	270	nt	270	nt	530	nt	nt	153	nt	nt	nt	nt	nt	nt	nt	360	nt	nt	460	nt	nt	450	nt	272	320	1	
	Bicarbonate Alkalinity as	l/gm	930	370	370	323	nt	270	nt	270	540	530	150	150	153	110	490	470	810	810	nt	nt	360	590	420	460	560	620	450	280	nt	320	1	-
	Carbonate Alkalinity as	l/gm	<0.1	<>	<>	<1	nt	<>	nt	<>	<0.1	<>	<0.1	<0.1	>	<0.1	<0.1	<0.1	<0.1	<0.1	nt	nt	\$	<0.1	<0.1	<>	<0.1	<0.1	<5	<0.1	nt	<>	0.1	
	Viinilg2	l/gm	7	nt	nt	nt	nt	nt	nt	nt	3.3	2500	<1	>	0.62	6.4	2.9	15	6.2	6.1	nt	nt	nt	4100	610	nt	1800	1600	1100	10000	9350	nt	1	
	Resistivity	ohm m	nt	nt	nt	nt	nt	nt	nt	nt	nt	2.6	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	1.6	10	nt	3.6	4	6	<1	62	nt	1	
Results	sbiloS bevlossid latoT	mg/l	7500	nt	nt	nt	nt	nt	nt	nt	3600	2500	800	006	726	0098	3600	16000	8900	7600	nt	nt	nt	5100	660	nt	2100	1400	920	11000	11000	nt	10	
Analytical	Sulphate	mg/l	360	1500	1400	1110	nt	54	nt	110	410	410	140	130	129	390	059	1300	2300	2400	nt	nt	340	1400	110	3	880	<>	17	830	969	350	1	-
23: Ground Water Field Parameters and Analytical Results	Chloride	mg/L	3300	10000	0026	9440	nt	140	nt	320	1300	880	210	230	234	3300	1100	8900	2000	2100	nt	nt	1400	1400	27	30	330	500	320	5900	6140	5300	0.1	
eld Param	Electrical Conductivity (field)	m2/cm	9640	25134	25134	25134	1071	1013	1092	1658	4200	3791	1082	1082	1082	8140	4150	1832	7810	8140	nt	7350	5263	6440	944	804	2780	2460	1721	15800	15800	14142	0.1	
Water Fi	(µeld)	pH units	7.12	4.78	4.78	4.78	6.44	5.02	6.83	6.57	7.04	2.67	6.22	6.22	6.22	6.33	6.41	6.59	6.77	6.33	nt	6.25	6.59	7.05	6.3	6.54	6.77	6.77	6.28	6.83	6.83	6.92	0.01	-
3: Ground	Dissolved Oxygen (field)	mg/l	0.18	80.0	80.0	80.0	0.23	0.14	0.25	0.16	0.17	0.12	0.16	0.16	0.16	0.22	0.12	2.13	0.54	0.22	nt	0.21	0.76	-0.23	-0.16	0.3	-0.25	0.01	0.35	-0.33	-0.33	0.14	0.01	-
Table 2	Redox (field)	mV	-180	-131.7	-131.7	-131.7	-162	-110.2	-5	-113.3	-246	220.1	69-	69-	69-	2	-94	-31	-100	2	nt	-40	-105.3	-211	85	-150.2	-167	-93	-185.2	-299	-299	-313.9	1	-
	Тетрегачиге (field)	degc	20.1	25.5	25.5	25.5	19	24.7	21.1	25.3	17.6	23.3	18.4	18.4	18.4	18.9	18.6	18.1	18.7	18.9	nt	22.8	25.3	18	21.1	22.5	19.3	20.5	22.4	19.7	19.7	22.4	0.1	
	Standing Water Level	mBTOC	1.59	1.48	1.48	1.48	1.59	1.5	1.4	1.48	0.49	0.41	0.41	0.41	0.41	29.0	0.72	1.5	0.85	0.67	1.69	1.59	1.64	0.43	3.96	4.14	2.13	3.48	3.5	2.38	2.38	2.24	0.01	
	Date Sampled	Units	29 May 2008	17 Feb 2017	17 Feb 2017	17 Feb 2017	29 May 2008	17 Feb 2017	29 May 2008	17 Feb 2017	29 May 2008	17 Feb 2017	29 May 2008	29 May 2008	29 May 2008	30 May 2008	29 May 2008	30 May 2008	30 May 2008	30 May 2008	30 May 2008	30 May 2008	17 Feb 2017	18 Jun 2008	17 Jun 2008	17 Feb 2017	17 Jun 2008	17 Jun 2008	17 Feb 2017	17 Jun 2008	17 Jun 2008	17 Feb 2017		
	Sample ID		Z30508-01-LJ	AMW203	OAQCI	QAQC2	Z30208-02-LJ	ABH2105	290508-03-LJ	ABH202	290508-04-LJ	AMW205	LT-50-80508	290508-06-LJ Field blind replicate of 290508-05-LJ	290508-07-LJ Field split replicate of 290508-05-LJ	300508-12-LJ	290508-08-LJ	300508-09-LJ	£1-01-80500£	300508-11-LJ Field blind replicate of 300508-10-LJ	300508-13-LJ	300508-14-LJ	ABH2100	180608-06-LJ	170608-01-LJ	BMW401	170608-05-LJ	170608-02-LJ	BMW403	170608-03-LJ	170608-04-LJ Field Blind Replicate of170608-03-LJ	BMW404	orting	NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters
	Location			A NATA 703	COZ W MA		40101104	ABHZIUS	ABH202	AD11202	ANAW305	CO2 WIMA		AMW201		AMW202	AMW204	AMW207	90CWMV	MINI W 200	ABH2110	ABH2100		BBH304	BMW401	DIM W 401	BMW402	BMW403	7		BMW404		Limit of Reporting	NEPM (2013

nt = not analysed
-- = Action Level not established
BR = blind replicate
SPD = split duplicate

	Table 24: G	Table 24: Groundwater Analytical Results	lytical Re	sults - Diss	- Dissolved me	metals				
Location	Sample ID	Date Sampled	Arsenic	muimbr	muimord)	Copper	Геяф	Метсигу	Nickel	əniX
		Units	ug/l	ug/l	ug/l	ug/l	ug/1	l/gn	ug/l	ug/l
	290508-01-LJ-	29 May 2008	9.5	0.2	<1	3.9	$\overline{\ }$	<0.5	5.9	<1
A NATA7202	AMW203	17 Feb 2017	32	<0.1	~	$\overline{\lor}$	$\overline{\lor}$	<0.05	∇	ightharpoons
CU2W IVIA	QAQC1 Field blind replicate of AMW203	17 Feb 2017	32	<0.1	<1	<1	<1	<0.05	<1	<1
	QAQC2 Field split replicate of AMW204	17 Feb 2017	22	<0.1	<1	<1	~	<0.1	<1	<>
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	~	nt	nt	nt
ABI12102	ABH2105	17 Feb 2017	4	<0.1	<1	<1	~	<0.05	<1	5
VBH200	290508-03-LJ	29 May 2008	nt	nt	nt	nt	<1	nt	nt	nt
AD11202	ABH202	17 Feb 2017	9	<0.1	9	1	<1	<0.05	83	14
20CIXIAA	290508-04-LJ	29 May 2008	5.6	<0.1	2.7	2.1	<1	<0.5	2.6	1.2
CO2 W IVIA	AMW205	17 Feb 2017	4	<0.1	1	<1	<1	<0.05	2	<1
	290508-05-LJ	29 May 2008	11	<0.1	<1	$\overline{\ }$	$\overline{\lor}$	<0.5	1.1	<1
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	11	<0.1	1.1	<1	<1	<0.5	1	<1
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	10	<0.1	<0.1	<0.1	<0.1	<0.01	<0.1	<0.5
AMW202	300508-12-LJ	30 May 2008	4.9	0.1	1.6	<1	<1	<0.5	<1	<1
AMW204	290508-08-LJ	29 May 2008	6.1	0.3	5.3	<1	<1	<0.5	4.4	5.9
AMW207	300508-09-LJ	30 May 2008	14	0.2	11	$\overline{\lor}$	$\overline{\lor}$	<0.5	64	82
906/81848	300508-10-LJ	30 May 2008	5.7	0.2	1.5	<1	<1	<0.5	11	5.9
002 W IVIE	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	5.5	0.1	1.5	<1	<1	<0.5	11	5.7
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	<1	nt	nt	nt
AD1121100	ABH2100	17 Feb 2017	14	0.4	4	3	7	<0.05	17	8
BBH304	180608-06-LJ	18 Jun 2008	4.9	<0.1	2.5	2.1	<1	<0.5	1.7	1.5
BMW7401	170608-01-LJ	17 Jun 2008	2.2	<0.1	<1	1.8	<1	<0.5	<1	6.3
DIVI W 401	BMW401	17 Feb 2017	14	<0.1	<1	3	<1	<0.05	<1	4
BMW402	170608-05-LJ	17 Jun 2008	5.6	<0.1	<1	<1	<1	<0.5	1.7	3.1
BMW403	170608-02-LJ	17 Jun 2008	4.9	<0.1	2	<1	<1	<0.5	3.1	<1
COL M INTO	BMW403	17 Feb 2017	3	<0.1	<1	1	~	<0.05	1	1
	170608-03-LJ	17 Jun 2008	1.6	0.2	23	9.9	~	<0.5	2.5	4.1
BMW404	170608-04-LJ Field Blind Replicate of170608-03-LJ	17 Jun 2008	<1	<0.01	24	2	4	∇	9	<0.1
	BMW404	17 Feb 2017	8	<0.1	3	$\overline{\lor}$	$\overline{\lor}$	<0.05	1	1
Limit of Reporting	orting		1	0.1	1	1	1	0.1	1	3
NEPM (2013	NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters		-	0.7	-	1.3	4.4	0.1	7	8

Note 1: ANZG 2018 Marine 95% (Concentrations above this action level are shown in **bold** text.) nt = Not Tested
--- = Action Level not established
BR = blind replicate

				Table 25: 0	Groundwa	ter Analyt	25: Groundwater Analytical Results - TPH and BTEX	s - TPH a	and BTEX									Γ
Location	Sample ID	Date Sampled	СЭ - 9Э НАТ	TPH C6 - C10	BLEX (E1) LbH Ce - C10 less	TPH C10 - C14	ТРН С15 - С28	1ьн С59 - С3е	TRH >C10 - C16	TRH >C10 - C16 less	TRH >C16 - C34	LKH >C34 - C40	Benzene	JuonloT	Ęţμληρeuzeue	աշքո- & թուո-Хуlene	оп'гіло-Хуїепе	Suslehtque ^N
		Units	µg/L	hg/L	µg/L	hg/L	hg/L	µg/L	μg/L	hg/L	µg/L	hg/L	µg/L	µg/L	J/gn	hg/L	ng/L	hg/L
	290508-01-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	$\overline{\lor}$	~	~	\$	⊽	nt
A NATA/202	AMW203	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	~	<1	~	<2	7	~
AM W 203	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	$\overline{\lor}$	~	$\overline{\ }$	\$	⊽	⊽
	QAQC2 Field split replicate of AMW204	17 Feb 2017	<20	<20	<20	<50	<100	<50	<100	<100	<100	<100	~	7	\$	<2	7	\$
A DITO 105	290508-02-LJ	29 May 2008	059	nt	nt	550	<100	<100	nt	nt	nt	nt	190	20	09	150	30	nt
ABIIZIO	ABH2105	17 Feb 2017	260	260	54	<50	<100	<100	<50	<20	<100	<100	200	2	<1	<2	7	~
VEHOUS	290508-03-LJ	29 May 2008	72	nt	nt	<50	<100	<100	nt	nt	nt	nt	3.8	<1	1	18	8	nt
ABIIZUZ	ABH202	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
20C/XIVV	290508-04-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
CO2 W IVIN	AMW205	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
		29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	<20	nt	nt	<50	<100	<50	nt	nt	nt	nt	<1	<5	<2>	<2	<2	nt
AMW204		29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	~	<1	<1	<2	<1	nt
AMW207		30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	~	7	~	₽	7	nt
ANW206		30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	~	7	~	₽	7	nt
007 M M	300508-11-LJ Fiel	30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	~	7	~	₽	7	nt
AMW202		30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	▽	7	~	₽	7	nt
ABH2110		30 May 2008	<10	nt	nt	nt	nt	nt	nt	nt	nt	nt	~	~	~	<2	7	nt
ARH2100	31	30 May 2008	<10	nt	nt	nt	nt	nt	nt	nt	nt	nt	~	<1	<1	<2	~	nt
111111111111111111111111111111111111111		17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	~	~1	~	\$	~	~
BBH304	180608-06-LJ	18 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	$\overline{\lor}$	<1	√1	<2	~	nt
BMW401	1	17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	~		~	<2	~	nt
		17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	▽	< <u>-</u>	~	<2	~	~
BMW402		17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	▽	< <u>-</u>	~	<2	~	nt
RMW403	.1	17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	$\overline{\ }$	< <u>-</u>	~	<2	~	nt
		17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	~	~1	~	<	~	~
		17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	~	1.5	~	<2	~	nt
BMW404	170608-04-LJ Field E	17 Jun 2008	<20	nt	nt	<50	<100	<100	nt	nt	nt	nt	$\overline{\ }$	\$	<2	<2	7	nt
	BMW404	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	$\overline{\lor}$	~	▽	\$	~	~
Limit of Reporting	porting		10	10	10	20	100	100	20	20	100	100	1	1	1	1	1	1
NEPM (201	NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters					-							200	-		-		20
NEPM (201	NEPM (2013) Health Screening Levels (HSLs) - HSL C - Sand, 2m-<4m.			'	'	-	-	-	-	'				-				
NEPM (201	NEPM (2013) Health Screening Levels (HSLs) - HSL D - Sand, 2m-<4m.		•	•	009	•	•	•	•				200				•	
anoitent moone	a above this action loyal as above in hold taxt																	

Concentrations above this action level are shown in bold text at a NorT seted ... = Action Level not established BR = blind replicate

		Ta	Table 26: Ground	onndwater	· Analytics	l Results -	dwafer Analytical Results - Polycyclic Aromatic Hydrocarbons	c Aromati	c Hydroc	arbons							
Location	Sample ID	Date Sampled	Vaphthalene	Асепарhthylene	усепярћ еће пе	Пиотепе	Рћепапthrепе	Аптргасепе	Fluoranthene	Pyrene	Вепхо(я)яп'інгасепе	Сһгузепе	Benzo(b+k)fluoranthen	Benzo(a)pyrene	on97yq(b,2-2,1,1)on9bn1	onsografing(d,g)oznsdiQ	Benzo(g,h,i)perylene
		Units	l/gn	l/gn	l/gn	l/gn	ng/l	l/gn	l/gn	l/gn	l/gn	l/gn	l/gn	l/gn	l/gn	l/gn	ug/l
	290508-01-LJ	29 May 2008	~1	7	~	~	7	7	7	∀	~	~	7	<1	~	$\overline{\vee}$	~1
A NATA 702	AMW203	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1		<1	<1	<2	<1	<1	<1	<1
202 W IVIA	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	QAQC2 Field split replicate of AMW 204	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1
AD17105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABIZIO	ABH2105	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
VDHJ07	290508-03-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
AD11202	ABH202	17 Feb 2017	<1	<1	<1	<1	~	<1	<1		<1	<1	2	<1	<1	<1	<1
A NATA 705	290508-04-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
CO2 W INITY	AMW205	17 Feb 2017	<1	~	<1	<1	~	<1	<1	7	<1	<1	7	<1	<1	<1	<1
	290508-05-LJ	29 May 2008	<1	<1	<1	<1	~	~	<1	\vdash	<1	<1	<2	<1	<1	<1	<1
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	290508-07-LJ Fiel	29 May 2008	~	∇	~	~	7	~	~	▽	~	~	<0.5	^1	<1	7	~
AMW202	300508-12-LJ	30 May 2008	^	▽	~	~	7	~	<1	▽	~	^	4	<1	<1	7	^
AMW204	290508-08-LJ	29 May 2008	<1	▽	~	~	~	~	^1	~	~1	~	4	<1	<1	7	<1
AMW207	300508-09-LJ	30 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1
A NATA C	300508-10-LJ	30 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
71VI W 200	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	<1	~	<1	<1	~	<1	<1	7	<1	<1	7	<1	<1	<1	<1
ABH2110		30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2100	17 Feb 2017	$\overline{\lor}$	~	~	$\overline{\lor}$	▽	~	~1	\forall	~	~	7	<1	<1	$\overline{\lor}$	~
BBH304	180608-06-LJ	18 Jun 2008	~	$\overline{\lor}$	~	$\overline{\lor}$	7	~	~	$\overline{\lor}$	~	~	2	~	<1	$\overline{\lor}$	$\overline{\lor}$
RMW401	170608-01-LJ	17 Jun 2008	~1	$\overline{\ }$	~	~	7	~	~1	~	~	~	7	<1	<1	7	~
101 1111	BMW401	17 Feb 2017	<1	▽	~	~	7	~	^1	7	~	^	4	<1	~1	7	<1
BMW402	170608-05-LJ	17 Jun 2008	^	▽	~	~	7	~	<1	▽	~	^	4	<1	<1	7	$\overline{\ }$
BMW403	170608-02-LJ	17 Jun 2008	<1	~	<1	<1	<1	~	<1	~	<1	<1	\$	<1	<1	<1	<1
COLUMNIC	BMW403	17 Feb 2017	~	∇	~	~	7	~	~	▽	~	~	4	~1	<1	7	~
	170608-03-LJ	17 Jun 2008	~	∇	~	~	▽	~	~	∇	~	~	4	~	<1	⊽	~
BMW404	170608-04-LJ Field E	17 Jun 2008	~1	$\overline{\ }$	~	~	7	~	~1	~	~	~	7	<0.5	<1	7	~
	BMW404	17 Feb 2017	~1	~	~	~	7	~	~1	∀	~	~	4	~1	~	7	~
Limit of Reporting	porting		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEPM (201.	NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters		50			,					,	,	,		,		ı

Concentrations above this action level are shown in **bold** text

nt = Not Tested -- = Action Level not established BR = blind replicate

	Table 27: Ground Water Analytic	al Results - Nutrier	ıts		
Location	Sample ID	Date Sampled	Ammonia as N	Total Nitrogen	Total Phosphorous
		Units	mg/L	mg/L	mg/L
	290508-01-LJ	29 May 2008	4.1	5	0.87
4) (TV/202	AMW203	17 Feb 2017	1.1	1.4	nt
AMW203 —	QAQC1 Field blind replicate of AMW203	17 Feb 2017	1.1	1.3	nt
	QAQC2 Field split replicate of AMW204	17 Feb 2017	0.96	1.5	0.62
A DI 105	290508-02-LJ	29 May 2008	nt	nt	nt
ABH2105	ABH2105	17 Feb 2017	3	4.1	nt
1 DAY 200	290508-03-LJ	29 May 2008	nt	nt	nt
ABH202	ABH202	17 Feb 2017	0.73	1.8	nt
	290508-04-LJ	29 May 2008	2.4	5.1	0.81
AMW205	AMW205	17 Feb 2017	1	2.2	nt
	290508-05-LJ	29 May 2008	2	3.4	1.3
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	2.1	3.4	1.1
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	0.971	2.7	2.7
AMW202	300508-12-LJ	30 May 2008	1.9	2.7	< 0.05
AMW204	290508-08-LJ	29 May 2008	7.2	6	0.28
AMW207	300508-09-LJ	30 May 2008	5.1	7.8	0.24
AMW206	300508-10-LJ	30 May 2008	3.1	7	1.1
AMW206	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	3.1	6.9	1.3
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt
A DI 12100	300508-14-LJ	30 May 2008	nt	nt	nt
ABH2100	ABH2100	17 Feb 2017	0.29	1.2	nt
BBH304	180608-06-LJ	18 Jun 2008	2.9	5.3	0.63
BMW401	170608-01-LJ	17 Jun 2008	< 0.1	9.5	0.06
BM W401	BMW401	17 Feb 2017	0.92	1.2	nt
BMW402	170608-05-LJ	17 Jun 2008	3	4.3	0.18
DMW402	170608-02-LJ	17 Jun 2008	14	21	0.19
BMW403	BMW403	17 Feb 2017	8	9.2	nt
	170608-03-LJ	17 Jun 2008	4.4	5.6	1
BMW404	170608-04-LJ Field Blind Replicate of170608-03-LJ	17 Jun 2008	4.69	7	0.76
	BMW404	17 Feb 2017	1.7	2.8	nt
Limit of Reporti	ing		0.01	0.01	0.01
	Groundwater Investigation Levels (GILs) - Marine Waters		0.91	-	-

Concentrations above this action level are shown in **bold** text

nt = Not Tested

-- = Action Level not established

BR: Blind replicate SPD: Split duplicate

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	Cocation	ution		VM W20.5			MW200	ľ	AMW201	1	AMW204 A	MW207 AN	4W206 AM	WZ06 AMW	202 ABH2	02 ABHZIIC	ABH	0017	ABHZIOS	BBH304	BMW401	B	BM W402	BMW4US		BMW40	
	Sample	Sample ID 290508-01-IJ	-IJ AMW203		QAQC1 Fiskl QAQC2 Fiskl blind replicate split replicate of AMW203 of AMW204	e 290508-04-LJ	J AMW205	290508-05-LJ	Field blind replicate of	Field spile 29 replicate of 29	290508-08-11 3000	3002 08-09-17 30020	300508-10-LJ Field replik	Field blind 300 508-12-13	12-LJ ABH202	300508-13-13	П 300508-14-П	ABH2100	ABH2105	1130008-06-11	13060E.01.11	BMW401	170608-05-11	17060E-07-11	BARVARI 170606-01-11	Field Blind Replicate	P . II
	Date Sampled	pled 29 May 2008	008 17 Feb 2017		17 Feb 2017 17 Feb 2017	7 29 May 2008	8 17 Feb 2017	29 May 2008	29 May 2008		29 May 2008 30 I	30 May 2008 30 M	30 May 2008 30 Mg	30 May 2008 30 May 2008	2008 17 Feb 2017	2017 30 May 2008	30 May 2008	17 Feb 2017	17 Feb 2017	_	-	7	-	_	+		1
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12,2-trichloro benzone
Conontrations above this action level are sh
nt = Not Tested
--- Action Lovel na established
BR: Blinst replicate

						T	ıble 29: Gı	oundwate	Table 29: Groundwater Analytical Results - OCP	d Results -	OCP											Г
Location	Sample ID	Date Sampled	нсв	ајрћа-ВИС	дня-вишва	реғя-ВНС	Нереясиюг	delta-BHC	nirblA	Heptachlor Epoxide	gamma-Chlordane	alpha-Chlordane	Endosulfan I	ninbloid	m District		add-qq	Endosulfan II DDT	Endrin Aldehyde	Епдоѕийяп Ѕиірћає	- Дециохасијог	
		Units	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	n T/Sn	n J/gn	ng/L n	ng/L u	T/gu T/gu	T/gu T/	/L ug/I	,	ng/L uş	ng/L ng	ng/L ug/L	=	T/gn	
	290508-01-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		-		<0.2 <0.2			<0.2	<0.2		<0.2 <0.2		<0.2	
COC(XI)AAA	AMW203	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	<0.2 <0.2		<0.2 <0	<0.2 <(<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
AM W 203	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2		<0.2 <0	<0.2 <(<0.2	<0.2 <0	<0.2 <0.	2 <0.2	<0.2	
	QAQC2 Field split replicate of AMW204	17 Feb 2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		nt <	<0.5 <0.5		<0.5	<0.5	< 0.5	<0.5 <0	<0.5 <0.5	.5 <0.5	<0.5	
\$01CIIGA	290508-02-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt nt	t nt		nt r	nt	nt r	nt nt	nt	nt	Г
ABH2103	ABH2105	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2	< 0.2	< 0.2	<0.2 <0.2		. 2	<0.2 <(<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt	nt	nt	nt			nt	nt				nt r					nt	
20211202	ABH202	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2		<0.2 <0		2	<0.2 <0	<0.2 <0.2	V	<0.2	
300/3004	290508-04-LJ	29 May 2008	<2>	<2	<2	<2	<2	<2													<2	Г
CO2 W IVIA	AMW205	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2 <0.2			<0.2	<0.2	<0.2 <0			<0.2	Г
	290508-05-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2		<0.2 <0		<0.2	<0.2 <0	<0.2 <0.2		<0.2	
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	< 0.2	< 0.2	<0.2 <0.2		<0.2 <0	<0.2	<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	nt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5 <0.5				<0.5	<0.5	<2 <0.5	.5 <0.5	\Diamond	
AMW202	300508-12-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2			<0.2	<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
AMW204	290508-08-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2			<0.2 <0.2		_		<0.2	<0.2 <0	<0.2 <0.2		<0.2	
AMW207	300508-09-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2		<0.2	<0.2 <0.2		_			<0.2 <0			<0.2	
90C/XIVV	300508-10-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2 <0.2		_	<0.2	<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
7 AINI W 200	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2			<0.2		_						<0.2	
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt nt		nt n	nt	nt	nt n	nt nt	ut	nt	
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	nt	nt					-		4		-	_	-	_	nt	
	ABH2100	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2		<0.2 <0	<0.2 <(<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
BBH304	180608-06-LJ	18 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2													<0.2	
DMWWAOI	170608-01-LJ	17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2 <0.2				<0.2	<0.2 <0	_		<0.2	
DIM W 401	BMW401	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2				<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
BMW402	170608-05-LJ	17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					<0.2 <0.2				<0.2	<0.2 <0			<0.2	
BMW403	170608-02-LJ	17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2			<0.2 <(<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
	BMW403	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				-									<0.2	
		17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2											V		<0.2	
BMW404	170608-04-LJ Field E	17 Jun 2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5													4	П
	BMW 404	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 <0.2	_	<0.2 <0	<0.2 <(<0.2	<0.2 <0	<0.2 <0.2	2 <0.2	<0.2	
Limit of Reporting	orting		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.2 0.2	2 0.2			0.2 0	0.2 0.	0.2 0.2	2 0.2	0.2	
NEPM (201	NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters	şs			-				,			0 -	- 500.0	H	. 0.0	0.004	<u> </u>	<u>.</u> -	<u>.</u> - .	'	_	

NEPW (LOLS) COURTOWATCH INVOIGEMENT ACRES (CLIES) - NATH CONCENTRATIONS above the action level are shown in bold text cittle Represents results below the laboratory Practical Quantitation Limit. nt = Not Textod --- Action Level not established BR = blind repleate

Location	Sample ID	Date Sampled	Azinphos-methyl (Guthion)	Bromophos ethyl	Chlorpyriphos	Chlorpy riphos-methyl	Diazinon	Dichlorovos	Dimethoate	Ethion	Fenitrothion	Malathion	Parathion	Ronnel
		Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	290508-01-LJ	29 May 2008		< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
AMW203	AMW203	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
11.11.1.203	QAQC1 Field blind replicate of AMW203	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	QAQC2 Field split replicate of AMW204	17 Feb 2017	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<2	< 0.5
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2105	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH202	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
AMW205	290508-04-LJ	29 May 2008	nt	<2	<2	<2	<2	nt	<2	<2	<2	nt	nt	<2
	AMW205	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
l.	290508-05-LJ	29 May 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	nt	< 0.5	< 0.5	< 0.5	< 0.5	nt	< 0.5	< 0.5	nt	nt	nt	nt
AMW204	290508-08-LJ	29 May 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
AMW207	300508-09-LJ	30 May 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
AMW206	300508-10-LJ	30 May 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
111111200	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
AMW202	300508-12-LJ	30 May 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
110112100	ABH2100	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BBH304	180608-06-LJ	18 Jun 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
BMW401	170608-01-LJ	17 Jun 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
B.1111 101	BMW401	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BMW402	170608-05-LJ	17 Jun 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
BMW403	170608-02-LJ	17 Jun 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
	BMW403	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
ļ	170608-03-LJ	17 Jun 2008	nt	< 0.2	< 0.2	< 0.2	< 0.2	nt	< 0.2	< 0.2	< 0.2	nt	nt	< 0.2
BMW404	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	nt	< 0.5	< 0.5	< 0.5	< 0.5	nt	< 0.5	< 0.5	< 0.5	nt	nt	nt
	BMW404	17 Feb 2017	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Limit of Repo	8		-	0.2	0.2	0.2	0.2	-	0.2	0.2	0.2	-	-	0.2
NEPM (2013	B) Groundwater Investigation Levels (GILs) - Marine Waters		-	-	0.009	-	-	-	-	-	-	-	-	<u> </u>
Concentrations a	above this action level are shown in bold text s results below the laboratory Practical Quantitation Limit.		_	<u> </u>	0.009	<u> </u>	<u> </u>	<u> </u>	-				_	

	Table	e 31: Groundwa	iter Analy	tical Resu	ılts - PCB					
Location	Sample ID	Date Sampled	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Total PCB
		Units	ug/L	ug/L						
	290508-01-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW203	AMW203	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
AIVI W 203	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
	QAQC2 Field split replicate of AMW204	17 Feb 2017	nt	nt						
ABH2105	290508-02-LJ	29 May 2008	nt	nt						
АБП2103	ABH2105	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
ABH202	290508-03-LJ	29 May 2008	nt	nt						
ABH202	ABH202	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
AMW205	290508-04-LJ	29 May 2008	<20	nt	<20	<20	<20	<20	<20	<20
Alvi w 203	AMW205	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
AMW201	290508-05-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW201	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	nt	nt						
AMW204	290508-08-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW207	300508-09-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW206	300508-10-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW206	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW202	300508-12-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
ABH2110	300508-13-LJ	30 May 2008	nt	nt						
4 DI 12100	300508-14-LJ	30 May 2008	nt	nt						
ABH2100	ABH2100	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
BBH304	180608-06-LJ	18 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
D) (W/401	170608-01-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
BMW401	BMW401	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
BMW402	170608-05-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
DMW402	170608-02-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
BMW403	BMW403	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
	170608-03-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
BMW404	170608-04-LJ Field Blind Replicate of170608-03-LJ	17 Jun 2008	-	nt	-	-	-	-	-	nt
	BMW404	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
Limit of Rep	porting		2	2	2	2	2	2	2	1
NEPM (201	3) Groundwater Investigation Levels (GILs) - Marine Wa	aters	-	-	-	-	-	-	-	-

Concentrations above this action level are shown in **bold** text

BR = blind replicate

<### Represents results below the laboratory Practical Quantitation Limit.</p>

nt = Not Tested

^{-- =} Action Level not established

					Table 3	32: Sub-su	rface Gas	32: Sub-surface Gas Monitoring Results	g Results					
		Ilom leitial			Initial	well concentrations	trations					Well conc	entrations fo	Well concentrations following purging
	Ambient	pressure above		Flow Rate	CH_4	CO_2	\mathbf{O}_2	Maximum	Recovery	Total	Time	CH_4	CO_2	\mathbf{O}_2
Well ID	reading (ppm)	atmospheric (kPa)	Initial vent	L/hr	(%)	(%)	(%)	vacuum on well (psi)	time (min)	volume purged (L)	vented (Minutes)	(%)	(%)	(%)
ALG201	0	0	Nil	0	0.3	8.4	14.9	Unable to pu	ırge as groun	dwater was s	ucked into th	e vacuum ta	Unable to purge as groundwater was sucked into the vacuum tank during monitoring	nitoring
ALG202	0	0	Nil	0	0.2	2.6	18.4	-20	2	40	-	0.2	0.2	20.8
ALG203	0	0	Nil	0	0.1	0.3	20.0	-20	1	40	-	0.2	0.2	20.8
ALG204	0	0	Nil	0	0.2	10.2	4.0	Unable to pu	ırge as groun	dwater was s	ucked into th	e vacuum ta	Unable to purge as groundwater was sucked into the vacuum tank during monitoring	nitoring
ALG205	0	0	Nil	0	0.2	3.5	14.3	-20	1	40	-	0.2	3.7	13.6
ALG206	0	0	Nil	0	0.1	6.0	18.6	Unable to pu	ırge as groun	dwater was s	ucked into th	e vacuum ta	Unable to purge as groundwater was sucked into the vacuum tank during monitoring	nitoring
BLG401	0	0	Nil	0	0.1	2.7	18.6	-20	1	50	-	0.1	11.9	6.1
BLG402	0	0	Nil	0	0.2	0.4	20.3	-20	1	50		0.2	0.2	20.8
BLG403	0	0	Nil	0	0.2	1.5	19.7	-20	1	40		0.1	1.4	19.4
BLG404	0	0	Nil	0	0.1	1.2	19.4	-20	1	40		0.1	1.2	19.5

BOLD Represents detection levels above the NSW EPA (2016) detection limit of 1.0% v/v in subsurface gas monitoring wells