Environmental Site Assessment - 9 and 148 Gaudrons Road, Sapphire Beach

14 July 2023

For: Bowen & Hunter

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Ref	Ver	Date	Distribution
2021-71-05	A	14/07/23	Clients, Town Planner

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1 Introduction

Earth Water Consulting Pty Limited (EWC) was engaged by parties Bowen & Hunter (the "Clients") to undertake additional site investigations as part of a Detailed Environmental Site Assessment (DESA) for 9 and 148 Gaudrons Road, Sapphire Beach) (the "Site") (Figure 1).

A DESA was prepared on 15 June 2021 by EWC (Ref: 2021-71-04) as part of a planning proposal. The gateway determination report (Ref: PP-2021-5514, dated May 23), Section 3.3 required additional soil testing of the properties.

4.4 Remediation of Contaminated Land	No – Unresolved	Part of the land is known known to be potentially contaminated from previous agricultural land uses, in particular banana cropping. The land is proposed to be rezoned to facilitate a change of use for residential purposes. Council has considered the results of a preliminary investigation of the land for potential contamination; however the preliminary investigation report was based upon very limited testing of the site and is considered inadequate to determine potential contamination and/or remediation requirements. The proposal is therefore considered to be inconsistent with this Direction, pending further site assessment.

The scope of the original DESA was based on Coffs Harbour City Council (CHCC) policy for former banana plantation lands of requiring only limited assessments of properties covering 1,500m^2 over any proposed building envelopes. The Gateway Report required the DESA to assess the entire properties to confirm suitability of them in entirety for residential landuse rather than part.

1.1 Objectives

The objectives of the additional DESA are to:

- Make a detailed assessment of potential contamination issues for residential development based on the Site history review; and
- Where a risk of contamination has been assessed to undertake detailed sampling and analysis of the affected area.

1.2 Suitability to Undertake Works

Strider Duerinckx has project managed and signs off on this investigation. Strider is an environmental geologist with 25 years experience in contaminated sites investigations including numerous banana plantation assessments. Strider is a CEnvP (Site Contamination Specialist) accredited.

2 Proposed Development

Based on plans provided, it is understood that it is proposed to subdivide the subject properties as follows in **Table 1** and shown in Figures 2-3.

Table 1: Property Details

Existing Property	Lot & DP	Existing Size (m^2)	Proposed No. of Lots	Proposed Building Envelopes (m^2)	Proposed Lot Size (m^2)
No. 9	L11, DP1141269	52,939	3	1 @ 1,500, 2 existing dwellings	6,700-25,000
No. 148	L7, DP555490	20,496	2	NIL additional, 2 existing dwellings	10,000-10,500

3 Scope of Work

This DESA has been undertaken in reference to the relevant sections in the *Consultants Reporting on Contaminated Land* (NSW EPA 2020), and Department of Urban Affairs and Planning *Managing Land Contamination – Planning Guidelines SEPP55 – Remediation of Land* (DUAP & EPA 1998).

The assessment included:

- A desktop review of the previous investigation and historical activities;
- A site walkover of the Site to assess current layouts, surface conditions, presence hazardous building materials that may result subsurface contamination, and the presence of any obvious previous contaminating activities (such as current or historical fuel storage);
- Preparation of a Conceptual Site Model (CSM);
- Undertaking detailed sampling and analysis of No.9 and 148 Gaudrons Road in accordance with NSW EPA (2022) Guideline requirements; and
- Presentation of the DESA report, including the historical review, analytical results, conclusions and recommendations on the contamination status of the property and suitability of the rezoning application and future subdivision.

4 Site Description

4.1 Site Identification

The Site details are provided in **Table 1**. The Site properties are zoned RU2, rural landscape. Existing Site layout features are shown on Figures 4-7.

4.2 Location and Features

4.2.1 No. 9 Gaudrons Road

No. 9 is located at about 30mAHD in the lower eastern portion of Gaudrons Road, on the southern side. The property straddles a ridgeline, with intermittent drainage present along the southern boundary draining east under the Pacific Highway, and along the northwestern boundary draining north. Both are First-order streams in accordance with the Strahler ordering system.

Surface slopes are relatively shallow, and the property is currently an operating mixed banana plantation and hothouse fig farm, containing two dwellings and several sheds. The sheds and hothouses will be removed where required for any subdivision works.

4.2.2 No. 148 Gaudrons Road

No. 148 is located at about 160mAHD on the northern side of Gaudrons Road and is bisected by an incised intermittent First-order intermittent gully. The property is steely sloping down to the east and north to this gully across rocky ground. An existing dwelling is located in the southeastern corner of the property and a second dwelling along the western boundary. The proposed subdivision will create a building entitlement to allow the approval of this existing second dwelling. The property is a former banana plantation farm that has a number of disused access tracks but is now only used for hobby goat rearing and rural residential habitation.

4.3 Surrounding Land Use

The surrounding land use is detailed in **Table 2**.

Table 2: Surrounding Landuse

Existing Property	North	South	East	West
No. 9	Gaudrons Road then rural res	Former banana plantation undeveloped	Pacific Highway	Rural res
No. 148	Rural res	Gaudrons Rd	Rural res	Rural res

5 Site Inspection

A site inspection was undertaken on 2/11/20 and 15/6/23 by Strider Duerinckx. During the inspections it was noted that:

Table 3: Site Inspection Observations

Existing Property	Observations
No. 9	Horticultural production is reducing on the property. Between 2020 and 2023 banana and fig cultivation in the southwestern corner of the Site had ceased. Fig cultivation in greenhouses is ongoing. 2 older houses are present along the northwestern area with a gravel access road. The northern house is being relocated offsite and a new dwelling is under DA for the centre of that area as shown by detailed sampling (Figure 8). Two Galvanised Iron (GI) farm sheds are present south of the dwellings, one is a packing shed and one is a maintenance shed. The maintenance shed had no significant chemical or drum storage within, with minor oil staining around benches. The concrete slabs looked to be in good condition.

Existing Property	Observations
	The southern greenhouse is located on a shallow fill platform. Undeveloped forest is present along the western edge.
No. 148	The existing southern dwelling is perched on a narrow crestline along the southern boundary. The groundsurface slopes steeply down to the north across a series of cut/fill terraces that is used for chicken and goats. A shed type dwelling is present along the western boundary. Given its age and construction, it may be constructed with Asbestos Containing Material (ACM) sheeting. Several former banana plantation tracks are present parallel to contours on the property, and the majority of the property is cleared of vegetation except thin weeds and grass. Undeveloped forest is present along the northern edge.

Typical Site details are shown the following photographs.

5.1.1 No. 9 Gaudrons Road Photographs

Photograph 1 – Looking east across cleared ridgeline crest.

Photograph 2 – Looking south across the former banana plantation and fig nursery.

Photograph 3 – Looking south across greenhouses.

Photograph 4 – Looking southwest at existing dwellings.

5.1.2 No. 148 Gaudrons Road Photographs

Photograph 5 – Looking northwest from gully to western dwelling.

Photograph 6 – Looking north from existing dwelling towards gully.

6 Geology, Hydrogeology and Topography

6.1 Topography

The properties are located variously on steeply sloping ridgelines and lower lying more gentle footslopes. The dominant topographical features of each property are summarised in **Table 4**.

Table 4: Topography

Existing Property	Topography
No. 9	Dominant north trending ridgeline through the middle of the property, located at about 32mAHD. Sloping down to the northwest and southeast towards two intermittent gullies. Lowest ground surface at 10AHD in the southeastern corner.
No. 148	Dominant intermittent gully that drains northeast through the centre of the property, with steeply sloping (>30%) groundsurface. Groundsurface highest in southwestern corner at ~150mAHD, and lowest in northeast at ~110mAHD.

6.2 Geology

The properties are all underlain by the Coramba beds. These are comprised of lithofeldspathic wacke, minor siltstone, mudstone, metabasalt, jasper and rare calcareous siltstone.

6.3 Soils

We reviewed the Soil Landscapes of the Coffs Harbour 1:100,000 Sheet (Milford, 1999) which indicates that No. 9 Gaudrons Road is underlain by the Megan Soil Landscape and No.148 by the Suicide Soil Landscape (**Table 5**).

Table 5: Soil Landscapes

Existing Property	Soil Landscape	Type	Typical Profile	Limitations
No. 9	Megan	Erosional	moderately deep to deep (>100 cm), well drained structured Red Earths, Brown Earths, Brown or Red Podzolic Soils	strongly acid, stony (localised) soils of high erodibility.
No. 148	Suicide	Colluvial	moderately deep to deep (>100 cm), well drained, stony structured Yellow Earths on crests and upper slopes, with stony Lithosols and structured Red Earths on mid-slopes and footslopes.	strongly acid stony soils with low wet bearing strength, strong subsoil acidity and low fertility. Steep slopes.

6.4 Hydrogeology

The mapped regional aquifer is located within fractured bedrock and is an aquifer of low to moderate productivity.

No licensed groundwater bores are located on the Sites. There are numerous registered groundwater bores within 2000m of the properties. These are registered for mainly household use and drilled to between 29-132m depth. Some irrigation bores are also present.

Photograph 7 – Licensed groundwater bores

7 Site History

In order to provide a detailed desktop review, a search was undertaken of the Lotsearch Pty Ltd environmental database. Aerial photo excerpts from this report are included in Appendix A.

7.1 Mapped BP Land

A review of the Coffs Harbour City Council LEP mapping indicates that the three properties and surrounds are mapped as having been under banana cultivation between 1943 and 1994 (Photograph 8 and Figures 4-5).

Photograph 8 – CHCC mapped former banana plantations

7.2 Aerial Photographs

7.2.1 No. 9 Gaudrons Road Aerials

A review of aerial photographs from 1943-2019 was undertaken, and summarised in Table 6. The aerials are included in Appendix A.

Table 6: No. 9 Aerial Photograph Review

Year	Site	Surrounding Land
1943	The Site is partially forested and cleared grazing (?) land.	The Pacific Highway is located about 150m to the east. Forested land is present to the north and west, with banana cultivation occurring about 200m to the south.
1956	Banana cultivation is occurring in the southwestern and northeastern portions.	A small farm shed is located just off the middle of the southern boundary. Extensive banana cultivation is occurring to the east, west and south. Possible market gardening is occurring directly south in the low lying area.
1964	Banana cultivation is occurring along the western portion just east of the forest strip. The remainder of the property is cleared and fallow.	As per 1956, except no banana plantation to the east. Fallow.
1974	Cleared and fallow.	East and west cleared and fallow. South banana plantation still present. No shed along southern boundary. Rural residential development north of Gaudrons Road.

Year	Site	Surrounding Land
1984	House and one shed has been constructed as well as farm dam in southeastern corner.	Dwelling constructed across gully to the west. Remainder of surrounding landuse as per 1974.
1994	Second house constructed. Banana plantation in southwestern corner as per current, and market gardening in the eastern portion. Banan plantation also in northwestern corner.	As per 1984.
2004	Banana plantation increased to encompass majority of eastern strip.	Banana plantation in lowlying area just south of southeastern corner. Former banana plantation now to southwest.
2010	Houses and sheds as per current. Banana plantation extents have increased to southeast and into the middle of the property.	
2013	Some removal of banana plantation in centre of the property to prepare for greenhouse construction	All banana plantations removed surrounding the property. Pacific Highway realignment works in progress and highway has moved west removing some of the bananas that were located on the eastern portion of the larger property.
2016	As per 2014. Greenhouse removed from 37 Wakelands Road.	As per 2014.
2019	Greenhouses present. All bananas removed except southwestern corner.	As per 2016.

7.2.2 No. 148 Gaudrons Road Aerials

A review of aerial photographs from 1943-2019 was undertaken, and summarised in Table 6. The aerials are included in Appendix A.

Table 7: **No. 148 Aerial Photograph Review**

Year	Site	Surrounding Land
1943	The property is forested except for a portion along the eastern edge that has been recently cleared (felled trees visible).	Remnant forest surrounding with cleared land east, and banana plantations to the southeast and northwest.
1956	Banana cultivation is occurring in the southern half.	Banana plantations to the east and west. Forest to south and north.
1964	Banana cultivation is occurring entirely except for a narrow forested northern strip.	Extensive banana plantations to the east, west and south. A farm shed is present along ridgeline near southwestern boundary.
1974	As per 1964, but cutting and filling occurred in the southeastern corner in preparation for a dwelling construction	As per 1964.
1984	House has been constructed.	Dwelling constructed to the east and northwest.
1994	Banana plantations have ceased onsite. House has been constructed along western portion of the property.	All banana plantations have ceased in the vicinity, and rural residential development is occurring.
2004	As per 1994.	As per 1994.
2010	As per 2004.	As per 2004.
2013	As per 2010.	As per 2010.
2019	As per 2016.	As per 2016.

7.3 NSW EPA Records

A search of the NSW EPA's contaminated land record revealed no investigation or remediation notices have been issued on the three properties or adjacent lots for contamination or 'significant risk of harm' under Section 58 of the Contaminated Land Management Act 1997.

A search of the public register under Section 308 of the Protection of the Environment Operations Act indicated that no current and recently surrendered licenses have been held for potentially contaminating activities on the three properties or adjacent lots.

7.4 Other Contaminating Sites

The properties are not listed as any Defence sites, former gasworks, PFAS contaminated, loose fill asbestos insulation registered, cattle tick dip, dry cleaners, fire rescue, gas terminals, liquid fuel depots, active mines or quarries, derelict mines, petrol stations, power stations, electrical substations, telephone exchanges, active or historical waste management facilities (landfills) or wastewater treatment facilities, nor are any located in the vicinity.

7.5 Adjacent Business Operations

A search of published business directories indicates no registered and advertising businesses operated from the properties or immediate surrounds from 1950 through 1991.

7.6 Historical ownership

A search of historical owners was undertaken of the properties in the previous DESA compiled by EWC in 2021. These are summarised in Tables 9-11.

Table 8: No.9 Gaudrons Historical Ownership

Date	Detail
	(Lot 11 DP 1141269)
08.08.1952 (1952 to 1973)	Ernest Rockley Goodenough (Banana Grower)
08.05.1973 (1973 to 1979)	Gerard Properties Pty Limited
22.03.1979 (1979 to 1988)	Christopher John Housego (Ophthalmologist) and Valerie Alice Housego (Married Woman)
04.10.1988 (1988 to 1992)	Fleurpark Pty Limited
16.12.1992 (1992 to date)	Christopher Eric Bowen and Christine Giovanna Bowen

Table 9: No.148 Gaudrons Historical Ownership

Date	Detail
	(Lot 7 DP 555490)
08.08.1952 (1952 to 1966)	Ernest Rockley Goodenough (Banana Grower)
13.08.1966 (1966 to 1970)	Lillian Joyce Holloway (Married Woman) and Arthur Gordon Goodenough (Farmer)
08.12.1970 (1970 to 1971)	Lloyd Kenneth Foster (Banana Grower)
16.02.1971 (1971 to 1974)	Raymond Allan Harrigan (Earth Moving Contractor) and Shirley Joy Harrigan (Married Woman)
15.01.1974 (1974 to 1976)	John Spence Blackburn (Chartered Accountant)
06.12.1976 (1976 to 2002)	David Blair Campbell (Director) (& his deceased estate)
12.12.2002 (2002 to 2012)	Kerrie Frances Snoek Now Kerrie Frances Hunter, Narelle Irene O'Connell and Jennifer Mary Herington
15.05.2012 (2012 to date)	Kerrie Frances Hunter

7.7 Summary of Site History

7.7.1 No. 9 Gaudrons Road

The historical review confirmed that since at least 1956 (but no earlier than 1943), the property has been used for banana plantation and other agricultural activities.

House and shed construction were undertaken between 1974-1984, the second shed and house then constructed between 1994 and 2004, and greenhouses between 2013-2019. The current owners purchased the property in 1992.

A shed likely used for some mixing of chemicals has been present on the property since 1974.

7.7.2 No.148 Gaudrons Road

The historical review confirmed that since at least 1956 (but no earlier than 1943), the property has been used for banana plantation and other agricultural activities. These ceased sometime between 1984-1994.

House construction was undertaken around 1984, and the second house then constructed between 1984 and 1994. The remainder of the property remains fallow.

The current owner purchased the property in 2002, and banana growers were listed on ownership records between 1952 and 1971.

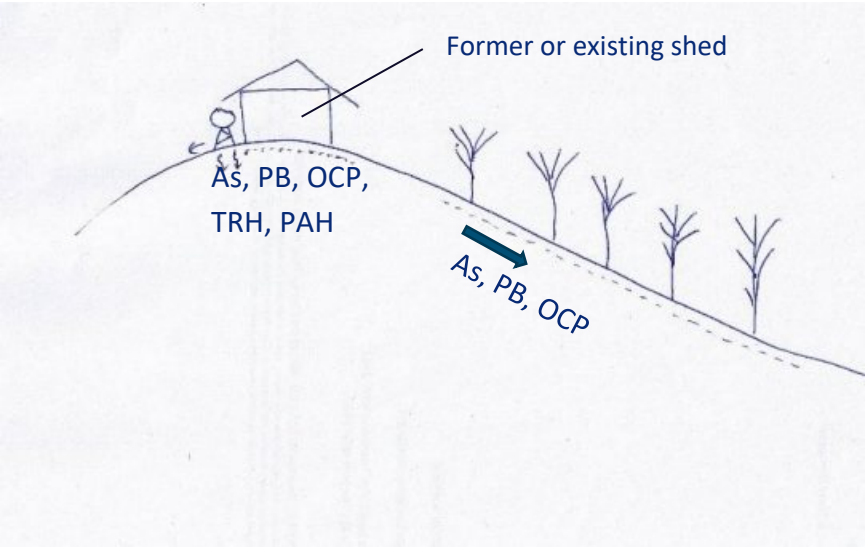
No chemical storage or packing shed appears to have been located on the property.

8 Conceptual Site Model

The Conceptual Site Model (CSM) for the proposed development areas are presented in Table 10.

Table 10: Conceptual Site Model Pathways

Element	Sub-Element	Comment
Mechanism of Contamination		Near surface inorganic and organic contaminants may be present from former farming practices located in the proposed development areas.
Potentially Affected Media	Soil	Yes, if present and disturbed.
	Sediment	No agricultural activities have historically been located upslope in the vicinity of the farm dam, reducing the risk of contaminated sediment accumulation. The dam is proposed to be filled as part of the development.
	Groundwater	Groundwater is not expected until >15m depth. Groundwater impacts are not expected.
	Surface Water	An intermittent gully drains down No.148.
	Indoor	Volatile contamination is generally not expected at the Site.
	Ambient Air	Significant volatile contamination is generally not expected at the Site.
Receptors	Human	The primary human receptors are long term residents with soil contact and ingestion.
	Ecological	Minimal future ecological exposure pathways are expected on No.9 as no sensitive ecological environments. Conservation zoned forest land is present on the downslope margin of No.148 and could be impacted if contaminated surface soils are identified.
Exposure Pathways	Potential	Given proposed rural residential usage, future exposure routes are likely from landscape portions.
	Complete	Complete human or environmental exposure routes have not been identified at this time.



Photograph 14 – Conceptual Site Model

9 Potential Areas and Contaminants of Concern

Based on the site history and a walkover, a number of Areas of Environmental Concern (AECs) and associated Contaminants of Concern (CoC) were identified for the properties. These are summarised in **Table 11**. Given the widespread extents of former or current agricultural activities, the AECs cover the entire lots.

Table 11: Areas of Environmental Concern

Existing Property	AEC	CoC
No. 9	Banana plantations over the property Existing sheds	heavy metals (arsenic, lead), aldrin, dieldrin and DDT. TRH/BTEX/PAH hydrocarbons from vehicle maintenance.
No. 148	Banana plantation over the property	heavy metals (arsenic, lead), aldrin, dieldrin and DDT.

10 Investigation Criteria

The soil investigation levels for banana plantation contamination (OCP, arsenic and lead) were adopted from the NSW EPA (1997) Guidelines. These are comparable to health-based investigation levels for residential sites with access to soil for home grown vegetables at less than the 10% of the daily intake, which are provided in NEPM (NEPC 2013) Guidelines.

The National Environmental Protection (Assessment of Site Contamination) Amendment Measure 1999 was amended in 2013 (NEPC 2013) and has been accepted for use in NSW by the NSW EPA.

NEPM 2013 presents Health based Investigation levels (HIL) for different land uses (e.g., industrial/commercial, residential, recreational open space etc.) as well as provisional Ecological Investigation Levels (EIL), Ecological Screening Levels (ESL), Health Screening Levels (HSL) and Management Limits (ML).

The HILs, HSLs and MLs were developed from significant review of toxicological data and risk assessment modelling undertaken and originally published by the National Environmental Protection Council (NEPC) in the NEPM 1999 document.

"*The HILs are scientifically based, generic assessment criteria to be used in the first stage (Tier 1) of an assessment of potential risks to human health from chronic exposure to contaminants. They are intentionally conservative and are based on a reasonable worst-case scenario*".

"*HILs are investigation or screening levels, and are not clean-up or response levels, nor are they desirable soil quality criteria. They are intended to be used to trigger consideration of an appropriate site-specific risk-based approach or appropriate risk-based management options when they are exceeded*". (NEPC 2013 Schedule B1 p4).

As the Site is proposed for use as residential, the adopted screening/investigation levels for the Site are for "HIL A".

Health Screening Levels (HSL) for vapour intrusion into dwellings for hydrocarbons have also been adopted as well as Management Limits (ML) to assess for risks of formation of LNAPLs in groundwater, fire and explosive hazards, and effects on buried infrastructure.

NSW DECC (2006) guidelines provided interim EILs for phytotoxicity, typically used to assess impacts to vegetation as sensitive receptors, but these were acknowledged to be interim and generics and where possible should be modified for the soil type and receptor. The DECC Guidelines recognise the significant limitations of phytotoxicity criteria because of the impact of soil characteristic and species parameters on plant growth. The NEPM 2013 provides revised EIL for common heavy metals including arsenic, chromium III, copper, Lead, nickel, mercury and zinc. The approach for deriving EILs for heavy metals is to combine background concentrations (i.e., naturally occurring) with an added contaminant limit (ACL), that is EIL = background + ACL. Preliminary EILs have been adopted for the Site based on assumed background conditions.

The investigation criteria for the Site are included in the attached summary Tables LR1-LR3.

11 Previous Investigations

A DESA was compiled for No.9 and 148 and 189 Gaudrons Road by EWC in 2021 (Ref: 2021-71-04 dated 15 June 2021). The DESA included a desktop historical review of the three properties, and detailed sampling of proposed 1,500m^2 Building Envelopes (BEs) on No.9 and 189 Gaudrons Road.

Given no additional dwellings were proposed for No.148, detailed sampling was not undertaken on that property.

No. 189 Gaudrons Road is part of a separate development application and is not discussed further here.

The desktop historical review of No.9 and 148 has been included in the appropriate sections of this report. In accordance with s2.1 of the NSW EPA (1997) Guidelines, the detailed sampling of the BE for proposed Lot 3 on No.9 Gaudrons Road included the collection of 16 samples from 0-75mm depth (Figure 8) and analysis of 4 composites for arsenic, lead, aldrin, dieldrin and DDT. The results are summarised in the attached Table LR1 and confirmed that concentrations of the CoCs were below the relevant investigation criteria.

A second DESA was prepared for a BE on proposed Lot 1 of No.9 Gaudrons Road (REF: EWC 2122-190-02, dated 15 January 2023). In accordance with s2.1 of the NSW EPA (1997) Guidelines, the detailed sampling of the BE for proposed Lot 3 on No.9 Gaudrons Road included the collection of 16 samples from 0-75mm depth (Figure 8) and analysis of 4 composites for arsenic, lead, aldrin, dieldrin and DDT. The results are summarised in the attached Table LR2 and confirmed an exceedance of lead in one composite sample adjacent to the driveway. Retesting of that composite (C-4) confirmed an exceedance of lead In one sample (S-13 of Table LR3) and the 95% UCL of lead was greater than the investigation criteria. The remainder of CoCs were below the relevant investigation criteria.

Remediation of a 76m^2 footprint was undertaken in accordance with a Remedial Action Plan (RAP) and validation samples collected of the stripped surface. The five validations samples were analysed for arsenic and lead. All concentrations were reported below the validation criteria (Table LR4), and the BE deemed to be suitable for residential landuse in the combined DESA, RAP and validation report (REF: EWC 2122-190-02, dated 15 January 2023).

12 Sampling Program

The additional sampling program was developed to meet the objectives of the investigation and was undertaken by a trained EWC environmental scientist. A systematic sampling program was undertaken.

12.1 No. 9 Gaudrons Road

The mapped former banana plantation land covers 23,537m^2, and current agricultural activities extend a further ~4,800m^2. Grid sampling has previously been undertaken for 2 x BEs on the property, totalling 3,000m^2 with a reduced untested footprint of 23,337m^2. Based on s2.1.1 and s2.2 of the NSW EPA (1997) Guidelines the sampling program included:

- In accordance with Table A of s2.1.1 (undisturbed broadacre) surface sampling in a 25m grid across the 20,000m^2 undisturbed area at a rate of 16 samples/ha. 30 surface samples were required to be collected, compositing into 8 samples for analysis;
- In accordance with s2.1.2 (disturbed areas) collection of 16 discrete samples in 2,000m^2 of track gravel, fill and natural soils from the existing greenhouse platforms and surrounds;
- In accordance with s2.2 (potential hotpots) collection of 13 samples in a 5m grid around the existing sheds;
- Given the lack of historical use of the 14,300m^2 southeastern portion of the property (proposed Lot 3), detailed sampling was not warranted. Eight (8) check samples were collected from the paddock area and compositing into 2 composite samples for analysis;
- Analysis of 40 composite and discrete samples for arsenic, lead, DDT, Aldrin and Dieldrin, 4 samples for OPP pesticides in greenhouses, and 4 samples for TRH/BTEX/PAH hydrocarbons around the; and
- Preparation of a revised ESA report to NSW EPA Guidelines for Consultants Reporting on Contaminated Sites. This report would detail the results of the desktop review and site walkover (completed), and assessment of contamination risks (completed), sampling program, presentation of analytical results with comparison to published guidelines, conclusions regarding the contamination status of the Site, and recommendations for remedial works required (if any).

12.2 No. 148 Gaudrons Road

The mapped former banana plantation area covers about 18,000m^2:

- In accordance with Table A of s2.1.1 of the NSW EPA (1997) Guidelines, surface sampling in a 25m grid across the property with the collection of 32 samples, compositing into 8 samples for analysis;
- Analysis for arsenic, lead, DDT, Aldrin and Dieldrin.

12.3 Combined Sampling Dataset

The combined sample dataset are provided in **Table 12**.

Table 12: Sampling Program

Round	Date	Property	Inv Footprint	Inv Area	Composite Sample ID	Discrete Sample ID
1	27 April 2021	No.9	Lot 3 BE	1,500m^2	2021-71 C-1 to C-4	2021-71 S-1 to S-16
2	29 November 2022	No.9	Lot 1 BE	1,500m^2	2122-190 C-1 to C-4	2122-190 S-1 to S-16
3	15 June 2023	No. 9	Entire Property Sheds, Track, Greenhouses	45,370m^2	C-1 to C-11	9 S-45 to 9 S-70
		No. 148	Entire Property	18,000m^2	C-14 to C-21	N/A

13 Data Quality Objectives

In determining the type, quantity and quality of data needed to support decisions relating to the environmental condition of the Site, EWC undertook a seven-step process to develop the DQOs in accordance with NSW EPA (2017). This step-by-step approach defined the criteria for data collection design, including when, where, how many, and how to collect samples or measurements, as well as limits on the tolerable decision error. The DQOs are presented in Table 13.

Table 13. Data Quality Objectives

DQO	Description	Solution
Environmental Problem	Residential redevelopment.	Undertake desktop review and environmental sampling.
Decisions Required	Is the Site suitable for the proposed residential redevelopment?	Historical review, development of CSM and sampling plan for detailed ESA investigations
Inputs Required	Historical information obtained in this investigation. Sampling and analysis and then 95% UCLs assessed to	Sampling in accordance with the sampling plan.

DQO	Description	Solution
	confirm contamination status.	
Study Boundaries	The boundary of investigation area is the cadastral boundary.	Figures 1-3.
Decision Rule	All analytical must be compared to the adopted investigation criteria	The investigation criteria are presented in this report.
	Appropriate field QA/QC techniques should be employed.	Field QA/QC will be considered sufficient if: -All field works are undertaken to industry standards including use of laboratory supplied jars, disposable latex gloves between each sample, equipment decontamination between each sample collection. Field duplicates to be collected at 1in10 analysed samples for the current ESA. RPDs calculated for results X10 the LOR. RPD to be <50%
	Appropriate Laboratory QA/QC techniques and methods are employed	Laboratory QA/QC will be considered sufficient if: -All laboratory analyses are undertaken using NATA registered methods and reports are appropriately signed; -Laboratory quality assurance analyses are undertaken and reported favourably in the analytical reporting. If the analytical results, field QA/QC or laboratory QA/QC do not meet the DQO criteria then additional investigations may be required, or limits placed on the dataset.
Limits on Decision Errors	Statistical analysis of the investigation dataset is required where appropriate	The Site will be deemed suitable for the proposed residential landuse without further investigations or remediation if: • The 95% UCL of the respective contaminants are less than the investigation criteria; or • Any single sample result does not exceed the investigation criteria by 2.5 times. The 95% UCL is the statistical parameter that can also be used to characterise the investigation dataset when comparing to HIL derived criteria. The 95% UCL is based on a 95% probability that the average concentration of contaminants do not exceed the respective adopted validation criteria. The 95% UCL is based on a 5% probability that a

DQO	Description	Solution
	Field QA/QC should be within acceptable error limits. Laboratory QA/QC should be within acceptable error limits.	Type 1 error has been made whereby a site is validated when it is still contaminated (false negative). No limits. Laboratory QA/QC will be considered sufficient if they meet internal laboratory reporting requirements. If the investigation results, field QA/QC or laboratory QA/QC do not meet the DQO criteria then additional investigations may be required, or limits placed on the dataset.
Data Optimisation	The most resource effective sampling and analyses are undertaken to meet the DQOs	Based on the developed CSM composite samples are considered reliable for the broadacre agricultural portion of the propertys.

14 Results

14.1 Sample Descriptions

The sampling locations are presented in Figures 8 and 9. Samples consisted of dark topsoil, clay, with clay or gravel fill on the track and greenhouses at No.9. Clay fill appeared to be sourced from onsite.

During sampling no odiferous or discoloured soils were noted, though some soil odour due to anaerobic decomposition in the fill was detected.

15 Analytical Results

Samples were forwarded under Chain of Custody conditions at Eurofins Laboratory for analysis. The laboratory reports are included in Appendix B.

15.1 Composite Analyses No.9

The soil analytical results are summarised in the attached Table LR5. Comparison of composite sample results C1 - C11 to the investigation criteria indicated that:

- Concentrations of OCP were reported below the laboratory Limit of Reporting (LOR) for all samples analysed; and
- Concentrations of arsenic and lead were reported below the investigation criteria for all samples analysed.

15.2 Composite Analyses No.148

The soil analytical results are summarised in the attached Table LR5. Comparison of composite sample results C14 - C21 to the investigation criteria indicated that:

- Concentrations of OCP were reported below the laboratory LOR for all samples analysed; and
- Concentrations of arsenic and lead were reported below the investigation criteria for all samples analysed.

15.3 Discrete Analyses No.9

The soil analytical results are summarised in the attached Table LR6. Comparison of discrete sample results to the investigation criteria indicated that:

- Concentrations of OCP were reported below the laboratory LOR for all samples except discrete sample 9 S-68, which returned a result of 0.06mg/kg for Endrin, which is above the 0.05mg/kg LOR, but well below the Health-based Investigation Level (HIL) threshold of 10mg/kg;
- Concentrations of arsenic and lead were reported below the investigation criteria for all samples analysed;
- Concentrations of OPP were reported below the LOR from the samples collected and analysed in the greenhouses; and
- Concentrations of TRH, BTEX and PAH were reported below the laboratory LOR for all samples collected and analysed form the shed margins.

15.4 95% Upper Confidence Limits

As all results except one sample containing Endrin were reported below the laboratory LOR and/or the investigation criteria, calculation of the 95% Upper Confidence Limits (UCLs) were not suitable or required to be calculated; that is the 95% UCL would be well below the investigation criteria.

15.5 Quality Assurance and Quality Control

15.5.1 Field Quality Control

Environmental sampling activities were based on industry accepted standard practices.

The sampling equipment was decontaminated between sampling locations by washing with detergent and rinsing with clean water. A new pair of disposable gloves was used when handling each soil sample. Samples were collected in laboratory supplied jars and shipped in a chilled esky to the laboratory.

15.5.2 Relative Percentage Difference

As presented in the attached Table LR7, the Relative Percentage Difference (RPD) was calculated between primary and field duplicate samples. If both samples were reported below the laboratory LOR then the RPD was not able to be calculated.

All calculated RPDs were <50% except for one arsenic RPD from samples C2 and C13. At this sample a RPD of 72% was calculated. Both primary/field duplicate samples were reported with a low arsenic

concentration <10x the LOR, as such a higher RPD could be expected, and the 72% is not a quality assurance failure.

15.5.3 Laboratory Quality Control

Primary samples were submitted to Eurofins Laboratory, which is a national laboratory that undertakes analyses to NATA accredited analytical methodologies, and participates in NATA endorsed laboratory round robin analyses. Laboratory Quality Control included testing and reporting of reagent blanks, laboratory control samples (LCS), matrix spikes and surrogates spikes, and laboratory duplicates to assess laboratory quality control.

The laboratory quality assurance results are included within the laboratory reports attached in Appendix C. No exceptions to the laboratory quality control reportable limits were noted.

15.5.4 Data Quality Check

The quality assurance and quality control of the field and laboratory methods is considered sufficiently robust for the investigation undertaken. Given this it is concluded that the analytical results dataset reliably represents soil concentrations in the field as sampled.

16 Discussion of Results

Historical banana plantation cropping has been reported for No.9 and No. 148 Gaudrons Road.

The agricultural nature of the potential contamination is commonplace in the northern beaches area of Coffs Harbour, with strong local government environmental policies, assessment and remediation procedures in place. In addition the NSW EPA (1997) banana plantations assessment guidelines provides a stepped approach to assessing and remediating such properties.

The proposed building envelopes on No.9 Gaudrons Road are undisturbed from the cropping state. Both detailed sampling of the BEs plus further broadacre composite analyses on No.9 and No.148 Gaudrons Road confirmed that concentrations of arsenic, lead and OCP pesticides are below levels of reportable detection or well below the investigation criteria in soil across the properties.

A low concentration of Endrin was recorded in one sample from the active greenhouse on No. 9 Gaudrons Road (9 S- 68), but the concentration is <10x the investigation criteria and given the systematic sampling is not considered a hotspot.

No elevated metals, pesticides or hydrocarbons were identified from the margins of the shed on No.9 Gaudrons Road and the area like the remainder of the Site is neat and tidy showing good farming management practices.

17 Conclusions and Recommendations

The DESA has identified that the subject properties were developed between 1943-1956 as banana plantations, and have progressively ceased these activities since about 1994, with ongoing agricultural landuse activities occurring on No.9 Gaudrons Road up to this day. In addition, No.9 Gaudrons Road contains existing packing and maintenance sheds, which will be demolished to allow residential redevelopment.

Detailed systematic sampling has been undertaken across both No. 9 and 148 Gaudrons Road with no elevated arsenic, lead, OCP and OPP pesticides and TRH, BTEX and PAH hydrocarbons reported.

As such, in their current states, the two properties are considered suitable for the proposed subdivision and creation of additional residential building entitlements without further investigations.

18 References

Coffs Harbour City Council. 2017. Contaminated Land Management Policy

Coffs Harbour City Council. 2018. Contaminated Land Management Procedure

Coffs Harbour City Council Local Environmental Plan 2013.

EWC. 2021. Environmental Site Assessment – 9, 148 & 189 Gaudrons Road Sapphire Beach. 2021-71-04 dated 15 June 2021.

EWC. 2023. Banana Plantation ESA, RAP and Validation Report - 9 Gaudrons Road Sapphire Beach. 2122-190-02, dated 15 January 2023.

NEPC. 2013. National Environment Protection (Assessment of Site Contamination) Measure. Schedule B1-Schedule B1 Guideline on Investigation Levels For Soil and Groundwater. National Environment Protection Council.

NSW EPA. 1997. Guidelines for Assessing Banana Plantation Sites.

NSW EPA. 2017. Guidelines for the NSW Site Auditor Scheme. NSW Environment Protection Authority. 3rd Edition

NSW EPA. 2020. Consultants Reporting on Contaminated Land. NSW Environment Protection Authority.

NSW EPA. 2022. Contaminated Land Guidelines sampling design part 1 – application. NSW Environment Protection Authority.

TABLES

Table LR1: Summary of Soil Composite Analytical Results for Proposed Lot 3 BE

Sample ID		LOR	Investigation Criteria			C-1	C-2	C-3	C-4
Location			NSW EPA	NEPM		BE Lot 3			
Date Collected						27/04/2021			
Depth Collected (mm)	Units	Eurofins	BP	HIL (A)	EIL	0 - 75	0 - 75	0 - 75	0 - 75
% Moisture	%	1	-	-	-	9.4	33	17	23
Heavy Metals									
Arsenic	mg/kg	2	100	100	100	10	53	67	33
Lead	mg/kg	5	300	300	1100	9.6	12	7.1	8.2
Organochlorine Pesticides									
4.4'-DDD	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	mg/kg	0.05	50	-	180	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin and Dieldrin (Total)*	mg/kg	0.05	10	6	-	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Chlordanes - Total	mg/kg	0.1	-	50	-	< 0.1	< 0.1	< 0.1	< 0.1
d-BHC	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	mg/kg	0.05	-	240	-	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	mg/kg	0.05	-	270	-	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	mg/kg	0.05	-		-	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	mg/kg	0.05	-	10	-	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	mg/kg	0.05	-	6	-	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene (HCB)	mg/kg	0.05	-	10	-	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	mg/kg	0.2	-	300	-	< 0.2	< 0.2	< 0.2	< 0.2
Toxaphene	mg/kg	0.1	-	20	-	< 0.1	< 0.1	< 0.1	< 0.1

Notes

Indicates sample concentration exceeds investigation criteria value

Indicates sample concentration exceeds investigation criteria value by >25%

Table LR2: Summary of Soil Composite Analytical Results for proposed Lot 1 BE

Sample ID		LOR	Investigation Criteria			C-1	C-2	C-3	C-4
Location			NSW EPA	NEPM		BE Lot 1			
Date Collected						29/11/2022			
Depth Collected (mm)	Units	Eurofins	BP	HIL (A)	EIL	0 - 75	0 - 75	0 - 75	0 - 75
% Moisture	%	1	-	-	-	16	15	20	15
Heavy Metals									
Arsenic	mg/kg	2	100	100	100	< 2	2.7	3.9	3.9
Lead	mg/kg	5	300	300	1100	8.8	14	89	480
Organochlorine Pesticides									
4.4'-DDD	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	mg/kg	0.05	50	-	180	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin and Dieldrin (Total)*	mg/kg	0.05	10	6	-	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Chlordanes - Total	mg/kg	0.1	-	50	-	< 0.1	< 0.1	< 0.1	< 0.1
d-BHC	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	mg/kg	0.05	-	240	-	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	mg/kg	0.05	-	270	-	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	mg/kg	0.05	-		-	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	mg/kg	0.05	-	10	-	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	mg/kg	0.05	-	6	-	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	mg/kg	0.05	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene (HCB)	mg/kg	0.05	-	10	-	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	mg/kg	0.05	-	300	-	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	mg/kg	0.1	-	20	-	< 0.5	< 0.5	< 0.5	< 0.5

Notes

Indicates sample concentration exceeds investigation criteria value

Indicates sample concentration exceeds investigation criteria value by >25%

Table LR3: Summary of Soil Discrete Analytical Results for Proposed Lot 1 BE

Sample ID		LOR	Investigation Criteria			S-13	S-14	S-15	S-16	Count	Avg	SD	CV	Students t	95% UCL
Date Collected			NSW EPA	NEPM		29/11/2022									
Composite Sample						C-3	C-3	C-3	C-3						
Depth Collected (mm)	Units	Eurofins	BP	HIL (A)	EIL	0-75	0-75	0-75	0-75						
% Moisture	%	1	-	-	-	13	13	16	21	-	-	-	-	-	-
Heavy Metals															
Lead	mg/kg	5	300	300	1100	1000	23	16	21	4	265	490	1.8	1.86	**720.7**

Notes

Indicates sample concentration exceeds investigation criteria value

Indicates sample concentration exceeds investigation criteria value by >25%

Table LR4: Summary of Soil Validation Analytical Results for Propsed Lot 1 BE

Sample ID	Units	LOR	Validation Criteria		V-1	V-2	V-3	V-4	V-5	Count	Avg	SD	CV	Students t	95% UCL
Date Collected			NSW EPA	NEPM	16/12/2022										
Depth Collected (mm)		Eurofins	BP	HIL (A)	0-75	0-75	0-75	0-75	0-75						
% Moisture	%	1	-	-	21	20	20	19	20	-	-	-	-	-	-
Heavy Metals															
Arsenic	mg/kg	2	100	100	28	28	42	25	29	5	30	7	0.2	1.86	**35.9**
Lead	mg/kg	2	100	300	14	13	13	12	14	5	13	1	0.1	1.86	**13.9**

Notes

Indicates sample concentration exceeds investigation criteria value

Indicates sample concentration exceeds investigation criteria value by >250%

Table LR5: Summary of Soil Composite Analytical Results for No.9 and 148

Sample ID		LOR	Investigation Criteria			C 1	C 2	C 3	C 4	C 5	C 6	C 7	C 8	C 9	C 10	C 11	C 14	C 15	C 16	C 17	C 18	C 19	C 20	C 21
Location			NSW EPA	NEPM		No. 9											No.148							
Date Collected						15/06/2023																		
Depth Collected (mm)	Units	Eurofins	BP	HIL (A)	EIL	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75
% Moisture	%	1	-	-	-	18	25	20	22	28	19	26	24	21	23	23	9.4	17	18	23	21	18	19	21
Heavy Metals																								
Arsenic	mg/kg	2	100	100	100	3.3	6.1	2.9	< 2	13	5.9	51	26	79	38	18	9.4	29	14	22	< 2	25	30	20
Lead	mg/kg	5	300	300	1100	6.9	12	6.1	9.6	27	15	17	13	10	13	38	35	40	21	36	< 5	25	23	21
Organochlorine Pesticides																								
4.4'-DDD	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	mg/kg	0.05	50	-	180	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin and Dieldrin (Total)*	mg/kg	0.05	10	6	-	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chlordanes - Total	mg/kg	0.1	-	50	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
d-BHC	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	mg/kg	0.05	-	240	-	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	mg/kg	0.05	-	270	-	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	mg/kg	0.05	-	10	-	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	mg/kg	0.05	-	6	-	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	mg/kg	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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene (HCB)	mg/kg	0.05	-	10	-	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	mg/kg	0.2	-	300	-	< 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	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	mg/kg	0.1	-	20	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Notes

Indicates sample concentration exceeds investigation criteria value

Indicates sample concentration exceeds investigation criteria value by >25%

Table LR6: Summary of Soil Discrete Analytical Results for No.9 and 148

Sample ID		LOR	Investigation Criteria					9 S-45	9 S-46	9 S-47	9 S-48	9 S-49	9 S-50	9 S-51	9 S-52	9 S-53	9 S-54	9 S-55	9 S-56	9 S-57	9 S-58 0-150	9 S-58 500-650	9 S-59 0-150	9 S-59 800-950	9 S-60 0-150	9 S-60 850-1000	9 S-61	9 S-62	9 S-63	9 S-64	9 S-65	9 S-66	9 S-67	9 S-68	9 S-69	9 S-70
Location			NSW EPA	NEPM				Shed													Greenhouse fill						Track	Greenhouse		Track	Greenhouse					
Date Collected								15/06/2023																											
Depth Collected (mm)	Units	Eurofins	BP	HIL (A)	EIL (A)	ESL(A)	HSL (A)	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-150	500-650	0-150	800-950	0-150	850-1000	0-150	0-150	0-150	0-150	0-150	0-150	0-150	0-150	0-75	0-75
% Moisture	%	1	-	-	-	-	-	16	15	20	12	15	11	17	11	16	4	21	16	15	23	26	22	25	20	21	7.6	5.2	18	20	19	8.3	15	17	12	5.2
Heavy Metals																																			
Arsenic	mg/kg	2	100	100	100	-	-	6.3	7.6	8.2	10	11	8.5	6.2	13	6.3	8	5.5	8.4	6.1	12	3.9	18	6	3.2	12	3.4	< 2	4.3	4.4	11	13	16	16	10	16
Lead	mg/kg	5	300	300	1100	-	-	22	25	22	26	22	19	9.8	15	15	27	16	34	75	17	14	22	13	9.8	14	14	5.5	12	13	33	23	24	25	23	25
Organochlorine Pesticides																																			
4.4'-DDD	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	mg/kg	0.05	50	-	180	-	-	< 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	< 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	< 0.05	< 0.05	< 0.05
a-BHC	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin and Dieldrin (Total)*	mg/kg	0.05	10	6	-	-	-	< 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	< 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	< 0.05	< 0.05	< 0.05
b-BHC	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Chlordanes - Total	mg/kg	0.1	-	50	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
d-BHC	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	mg/kg	0.05	-	240	-	-	-	< 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	< 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	< 0.05	< 0.05	< 0.05
Dieldrin	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	mg/kg	0.05	-	270	-	-	-	< 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	< 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	< 0.05	< 0.05	< 0.05
Endosulfan II	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	mg/kg	0.05	-	10	-	-	-	< 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	< 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	0.06	< 0.05	< 0.05
Endrin aldehyde	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	mg/kg	0.05	-	6	-	-	-	< 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	< 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	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	mg/kg	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	< 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	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene (HCB)	mg/kg	0.05	-	10	-	-	-	< 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	< 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	< 0.05	< 0.05	< 0.05
Methoxychlor	mg/kg	0.2	-	300	-	-	-	< 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	< 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	< 0.05	< 0.05	< 0.05
Toxaphene	mg/kg	0.1	-	20	-	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Organophosphorus Pesticides																																			
Azinphos-methyl	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Bolstar	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Chlorfenvinphos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Chlorpyrifos	mg/kg	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Chlorpyrifos-methyl	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Coumaphos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 2	< 2	-	-	-	-	< 2	-	< 2
Demeton-O	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Demeton-S	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Diazinon	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Dichlorvos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Dimethoate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Disulfoton	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
EPN	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Ethion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Ethoprop	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Ethyl parathion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Fenitrothion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Fensulfothion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Fenthion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Malathion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Merphos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Methyl parathion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Mevinphos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Monocrotophos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 2	< 2	-	-	-	-	< 2	-	< 2
Naled	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Omethoate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 2	< 2	-	-	-	-	< 2	-	< 2
Phorate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Pirimiphos-methyl	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Pyrazophos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Ronnel	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Terbufos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Tetrachlorvinphos	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2

Table LR6: Summary of Soil Discrete Analytical Results for No.9 and 148

Sample ID		LOR	Investigation Criteria					9 S-45	9 S-46	9 S-47	9 S-48	9 S-49	9 S-50	9 S-51	9 S-52	9 S-53	9 S-54	9 S-55	9 S-56	9 S-57	9 S-58 0-150	9 S-58 500-650	9 S-59 0-150	9 S-59 800-950	9 S-60 0-150	9 S-60 850-1000	9 S-61	9 S-62	9 S-63	9 S-64	9 S-65	9 S-66	9 S-67	9 S-68	9 S-69	9 S-70
Location			NSW EPA	NEPM				Shed													Greenhouse fill						Track	Greenhouse		Track	Greenhouse					
Date Collected								15/06/2023																												
Depth Collected (mm)	Units	Eurofins	BP	HIL (A)	EIL (A)	ESL(A)	HSL (A)	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-75	0-150	500-650	0-150	800-950	0-150	850-1000	0-150	0-150	0-150	0-150	0-150	0-150	0-150	0-150	0-75	0-75
Tokuthion	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
Trichloronate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2	-	-	-	-	< 0.2	-	< 0.2
BTEX																																				
Benzene	mg/kg	0.1	-	-	-	65	0.7	-	< 0.1	-	< 0.1	-	-	-	< 0.1	-	-	< 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.1	-	-	-	125	-	-	< 0.1	-	< 0.1	-	-	-	< 0.1	-	-	< 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.1	-	-	-	105	480	-	< 0.1	-	< 0.1	-	-	-	< 0.1	-	-	< 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes - Total*	mg/kg	0.3	-	-	-	45	110	-	< 0.3	-	< 0.3	-	-	-	< 0.3	-	-	< 0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Recoverable Hydrocarbons																																				
Naphthalene	mg/kg	0.5	-	-	170		5	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRH C6-C10 less BTEX (F1)	mg/kg	< 20	-	-	-	180	50	-	< 20	-	< 20	-	-	-	< 20	-	-	< 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRH >C10-C16 less Naphthalene (F2)	mg/kg	< 50	-	-	-	-	280	-	< 50	-	< 50	-	-	-	< 50	-	-	< 50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRH >C10-C16	mg/kg	< 50	-	-	-	120	-	-	< 50	-	< 50	-	-	-	< 50	-	-	< 50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRH >C16-C34	mg/kg	< 100	-	-	-	1300	-	-	< 100	-	< 100	-	-	-	< 100	-	-	< 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRH >C34-C40	mg/kg	< 100	-	-	-	5600	-	-	< 100	-	< 100	-	-	-	< 100	-	-	< 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRH >C10-C40 (total)*	mg/kg	< 100	-	-	-	-	-	-	< 100	-	< 100	-	-	-	< 100	-	-	< 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																																				
Acenaphthene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	< 0.5	-	-	-	1.4	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene TEQ (medium bound) *	mg/kg	0.6	-	3	-	-	-	-	0.6	-	0.6	-	-	-	0.6	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b&j)fluoranthene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g.h.i)perylene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a.h)anthracene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	< 0.5	-	-	170	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	mg/kg	< 0.5	-	-	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PAH*	mg/kg	< 0.5	-	300	-	-	-	-	< 0.5	-	< 0.5	-	-	-	< 0.5	-	-	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes

Indicates sample concentration exceeds investigation criteria value

Indicates sample concentration exceeds investigation criteria value by >25%

Table LR7: Summary of Soil QA/QC Analytical Results for No.9 and 148

Sample ID	Units	LOR	9 S-45	9 Q-45	RPD	9 S-46	9 Q-46	RPD	9 S-47	9 Q-47	RPD	C 1	C 12	RPD	C 2	C 13	RPD
Date Collected			15/06/2023														
Type			Prim	FD		Prim	FD		Prim	FD		Prim	FD		Prim	FD	
% Moisture			16	13	NA	15	15	NA	20	14	NA	18	22	NA	25	23	NA
Heavy Metals																	
Arsenic	mg/kg	<2	6.3	7.1	12	7.6	9	17	8.2	8.3	1	3.3	2.8	16	6.1	13	72
Lead	mg/kg	<5	22	19	15	25	26	4	22	23	4	6.9	7.3	6	12	14	15
Organochlorine Pesticides																	
4.4'-DDD	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
4.4'-DDE	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
4.4'-DDT	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
a-HCH	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Aldrin	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Aldrin and Dieldrin (Total)*	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
b-HCH	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Chlordanes - Total	mg/kg	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA
DDT + DDE + DDD (Total)*	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
d-HCH	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Dieldrin	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Endosulfan I	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Endosulfan II	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Endosulfan sulphate	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Endrin	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Endrin aldehyde	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Endrin ketone	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
g-HCH (Lindane)	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Heptachlor	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Heptachlor epoxide	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Hexachlorobenzene	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Methoxychlor	mg/kg	< 0.05	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA	< 0.05	< 0.05	NA
Toxaphene	mg/kg	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5	NA	< 0.5	< 0.5	NA	< 0.5	< 0.5	NA	< 0.5	< 0.5	NA
BTEX																	
Benzene	mg/kg	< 0.1	-	-	-	< 0.1	< 0.1	NA	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	< 0.1	-	-	-	< 0.1	< 0.1	NA	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	< 0.1	-	-	-	< 0.1	< 0.1	NA	-	-	-	-	-	-	-	-	-
Xylenes - Total*	mg/kg	< 0.3	-	-	-	< 0.3	< 0.3	NA	-	-	-	-	-	-	-	-	-
Total Recoverable Hydrocarbons																	
TRH C6-C10 less BTEX (F1)	mg/kg	< 20	-	-	-	< 20	< 20	NA	-	-	-	-	-	-	-	-	-
TRH >C10-C16 less Naphthalene (F2)	mg/kg	< 50	-	-	-	< 50	< 50	NA	-	-	-	-	-	-	-	-	-
TRH >C16-C34	mg/kg	<100	-	-	-	< 100	< 100	NA	-	-	-	-	-	-	-	-	-
TRH >C34-C40	mg/kg	< 100	-	-	-	< 100	< 100	NA	-	-	-	-	-	-	-	-	-
TRH >C10-C40 (total)*	mg/kg	< 100	-	-	-	< 100	< 100	NA	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																	
Benzo(a)pyrene	mg/kg	<0.5	-	-	-	< 0.5	< 0.5	NA	-	-	-	-	-	-	-	-	-
Total PAH*	mg/kg	<0.5	-	-	-	< 0.5	< 0.5	NA	-	-	-	-	-	-	-	-	-

Notes

Indicates RPD exceeds 50%

FIGURES

0 100 200 300

Horizontal Scale (metres) 1:6000

LEGEND

Property Boundary

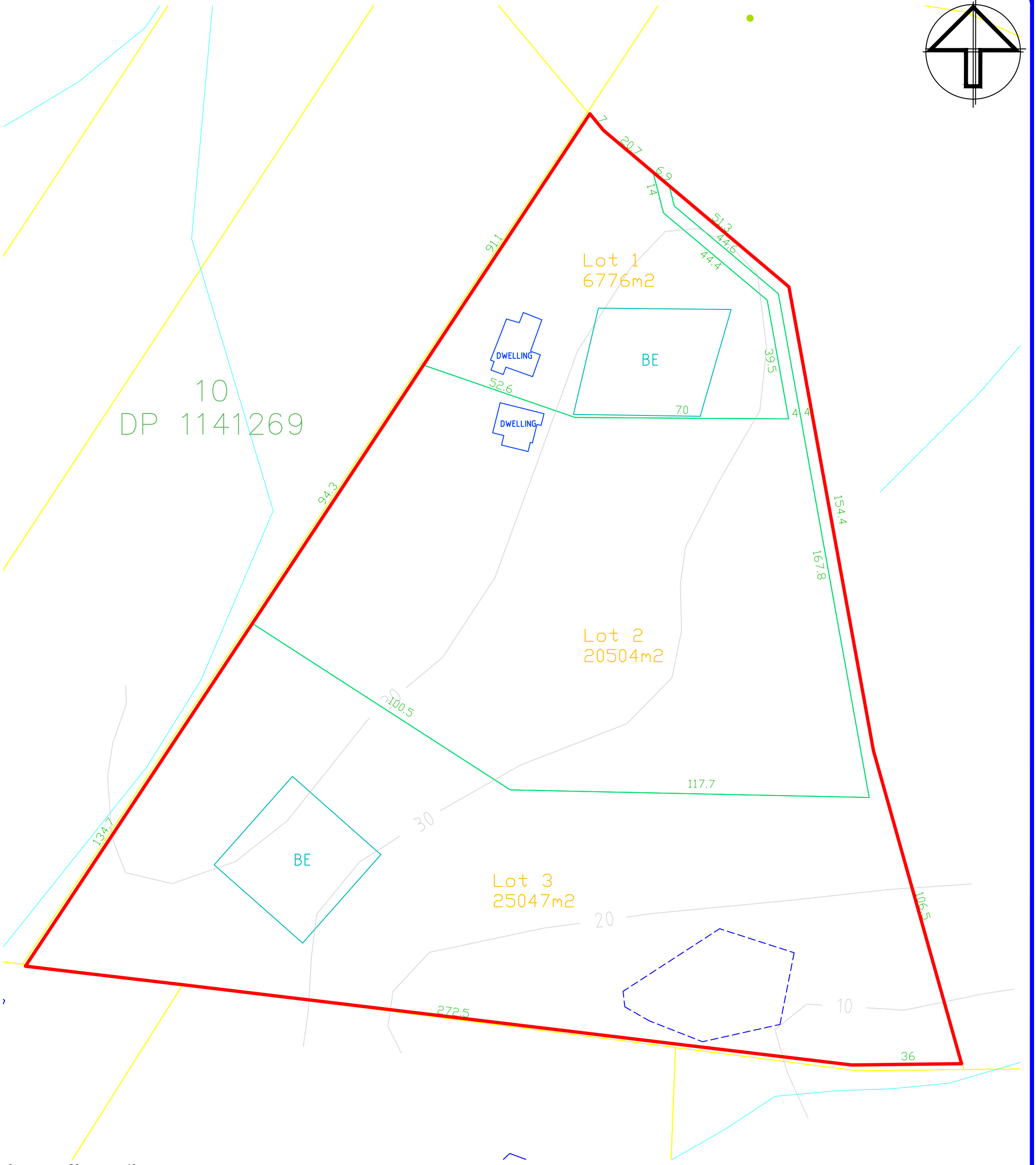
Adjacent Properties

Drainage Alignment

Dams

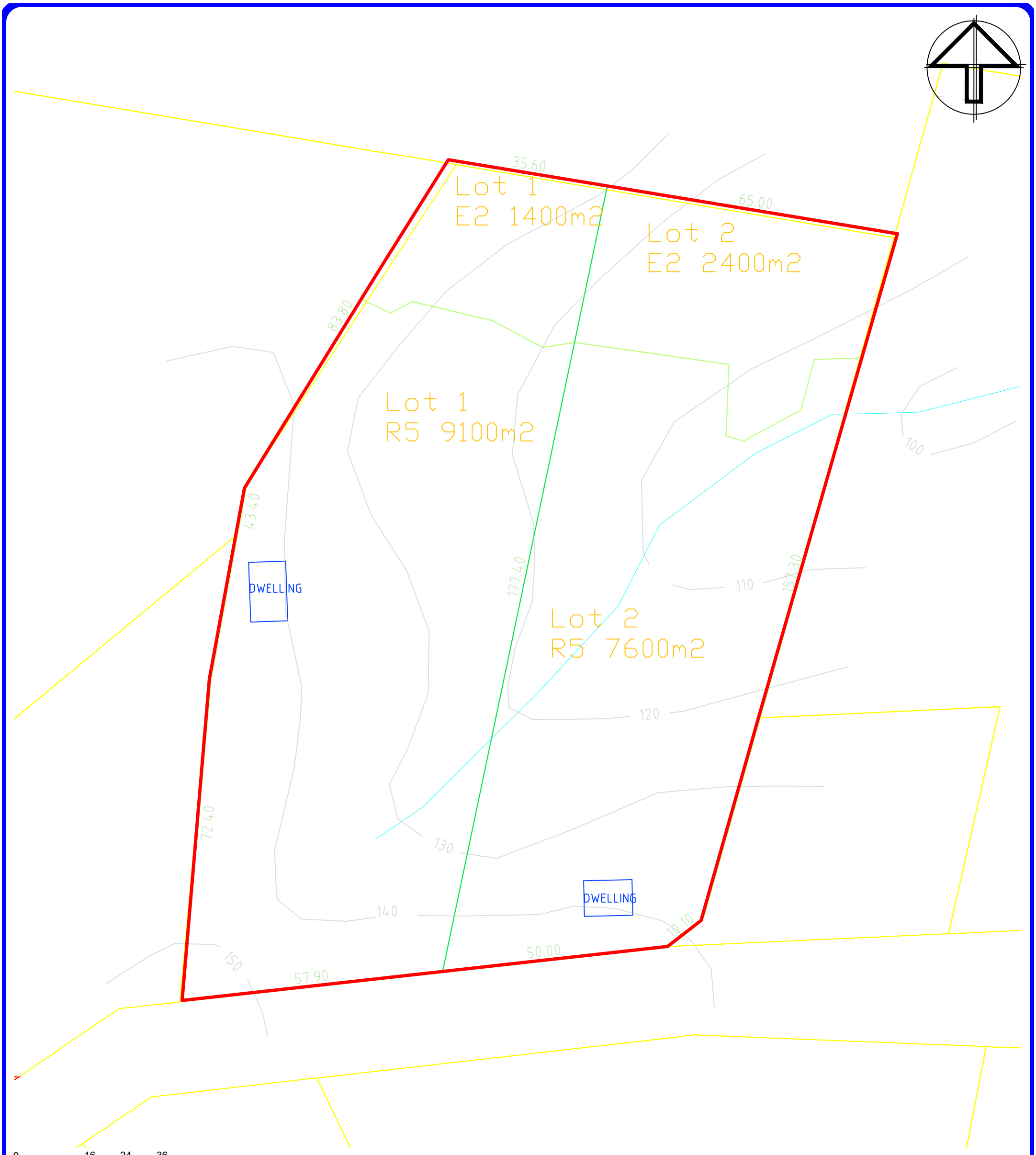
EARTH WATER CONSULTING

TITLE: Site Location			PROJECT: ESA for Proposed Subdivision of No. 9 & 148 Gaudrons Road, Sapphire Beach		CLIENT: Bowen & Hunter
FIGURE: Figure 1					
SHEET: 1 OF 1	ISSUE: A	AUTHOR: SD	DATE: 14/7/23	SCALE: 1:6000	PROJECT: 2021-71



EARTH WATER CONSULTING

TITLE: No.9 Gaudrons Road Proposed Development Layout			FIGURE: Figure 2
			SHEET: 1 OF1 ISSUE: B
PROJECT: ESA for Proposed Subdivision of No. 9 & 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 29/06/23	SCALE: 1:1200	PROJECT: 2021-71



EARTH WATER CONSULTING

TITLE: No.148 Gaudrons Road Proposed Development Layout			FIGURE: Figure 3
			SHEET: 1 OF1 ISSUE: B
PROJECT: ESA for Proposed Subdivision of No. 9 & 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 29/06/23	SCALE: 1:800	PROJECT: 2021-71

0 20 40

Horizontal Scale (metres) 1:1200

LEGEND

- Property Boundary
- Contour Line (10m)
- Drainage Alignment
- Dam to be removed
- Existing Dwelling
- BP Extent

EARTH WATER CONSULTING

TITLE: No.9 Gaudrons Road Former Banana PLantation			FIGURE: Figure 4
			SHEET: 1 OF1 ISSUE: B
PROJECT: ESA for Proposed Subdivision of No. 9 & 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 29/06/23	SCALE: 1:1200	PROJECT: 2021-71

0 16 24 36

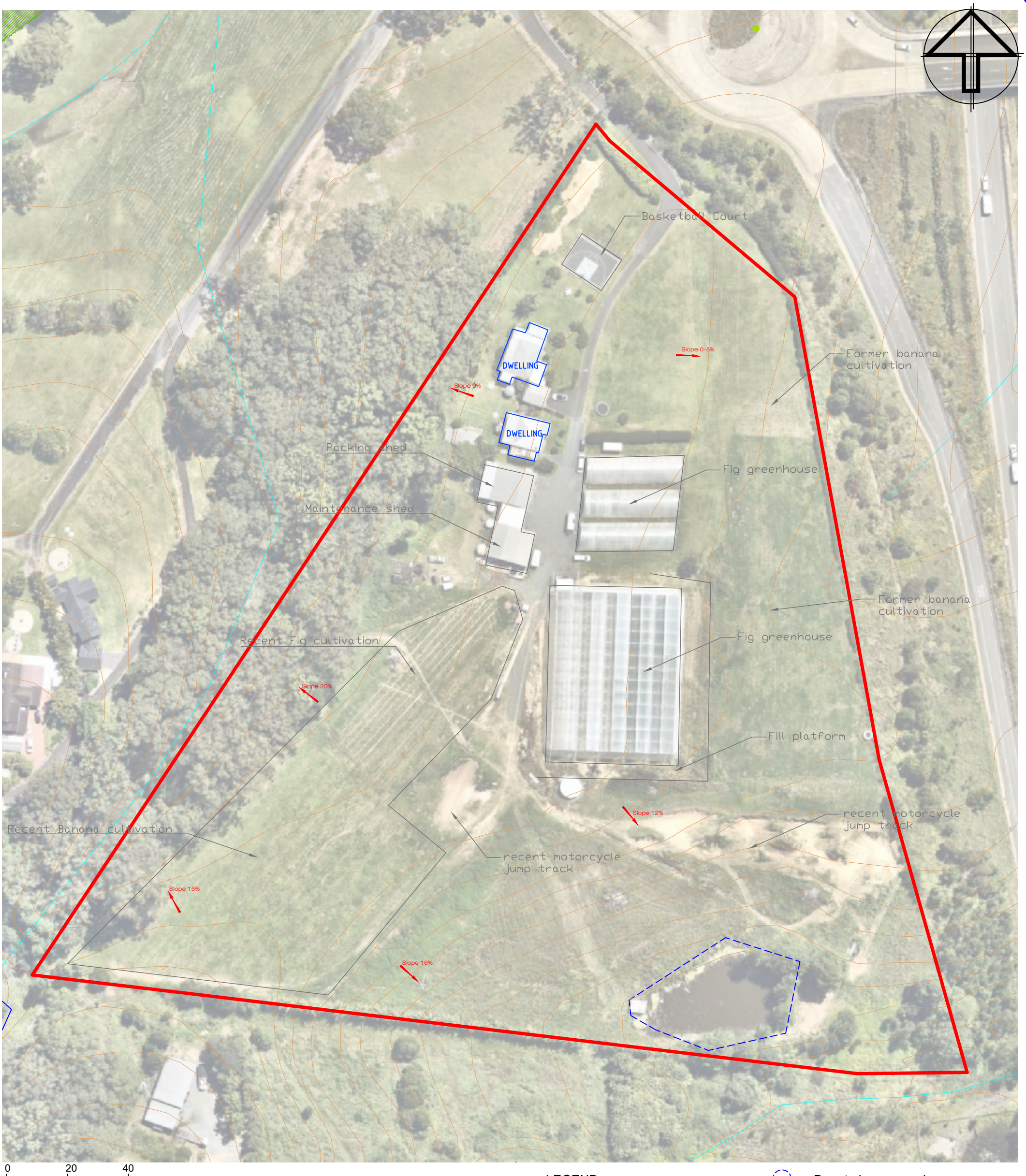
Horizontal Scale (metres) 1:800

LEGEND

- Property Boundary
- Contour Line (10m)
- Adjacent Properties
- D Existing Building
- BP Outline

EARTH WATER CONSULTING

TITLE: No.148 Gaudrons Road Former Banana Plantation			FIGURE: Figure 5
			SHEET: 1 OF1 ISSUE: B
PROJECT: ESA for Proposed Subdivision of No. 9 & 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 14/7/23	SCALE: 1:800	PROJECT: 2021-71



0 20 40

Horizontal Scale (metres) 1:1200

LEGEND

- Property Boundary
- Contour Line (2m)
- Drainage Alignment
- Dam to be removed
- Existing Dwelling
- Slope % — Slope Direction

EARTH WATER CONSULTING

TITLE: No.9 Gaudrons Road Existing Property Layout			FIGURE: Figure 1
			SHEET: 1 OF1 ISSUE: B
PROJECT: ESA for Proposed Subdivision of No. 9 & 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 14/7/23	SCALE: 1:1200	PROJECT: 2021-71

0 10 20

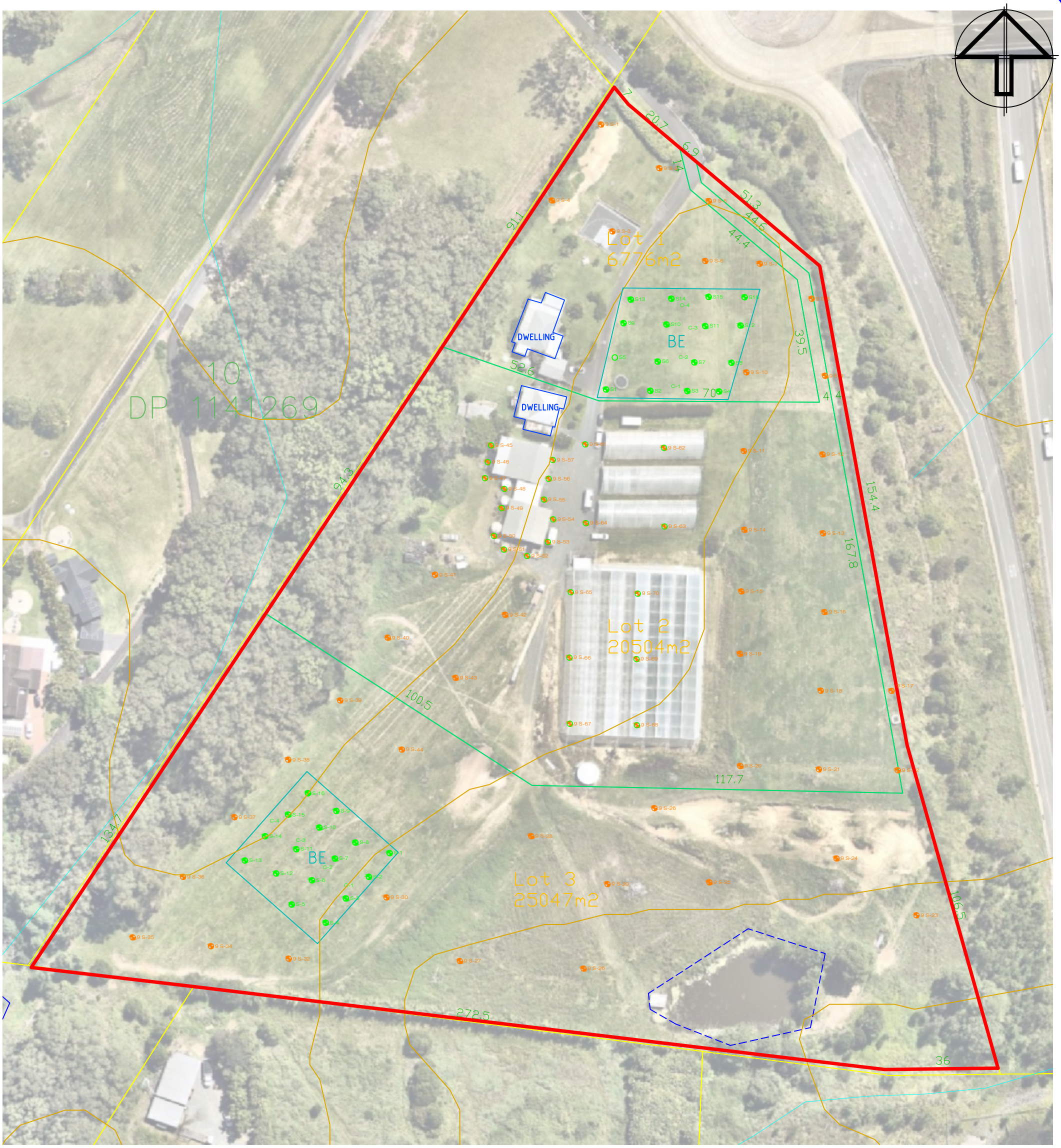
Horizontal Scale (metres) 1:600

LEGEND

- Property Boundary
- Contour Line (2m)
- Drainage Alignment
- Zoning Boundaries
- Existing Dwelling
- Slope % Slope Direction

EARTH WATER CONSULTING

TITLE: No.148 Gaudrons Existing Property Layout			FIGURE: Figure 6
			SHEET: 1 OF1 ISSUE: A
PROJECT: ESA for Proposed Subdivision of No. 9 & 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 29/06/23	SCALE: 1:600	PROJECT: 2021-71



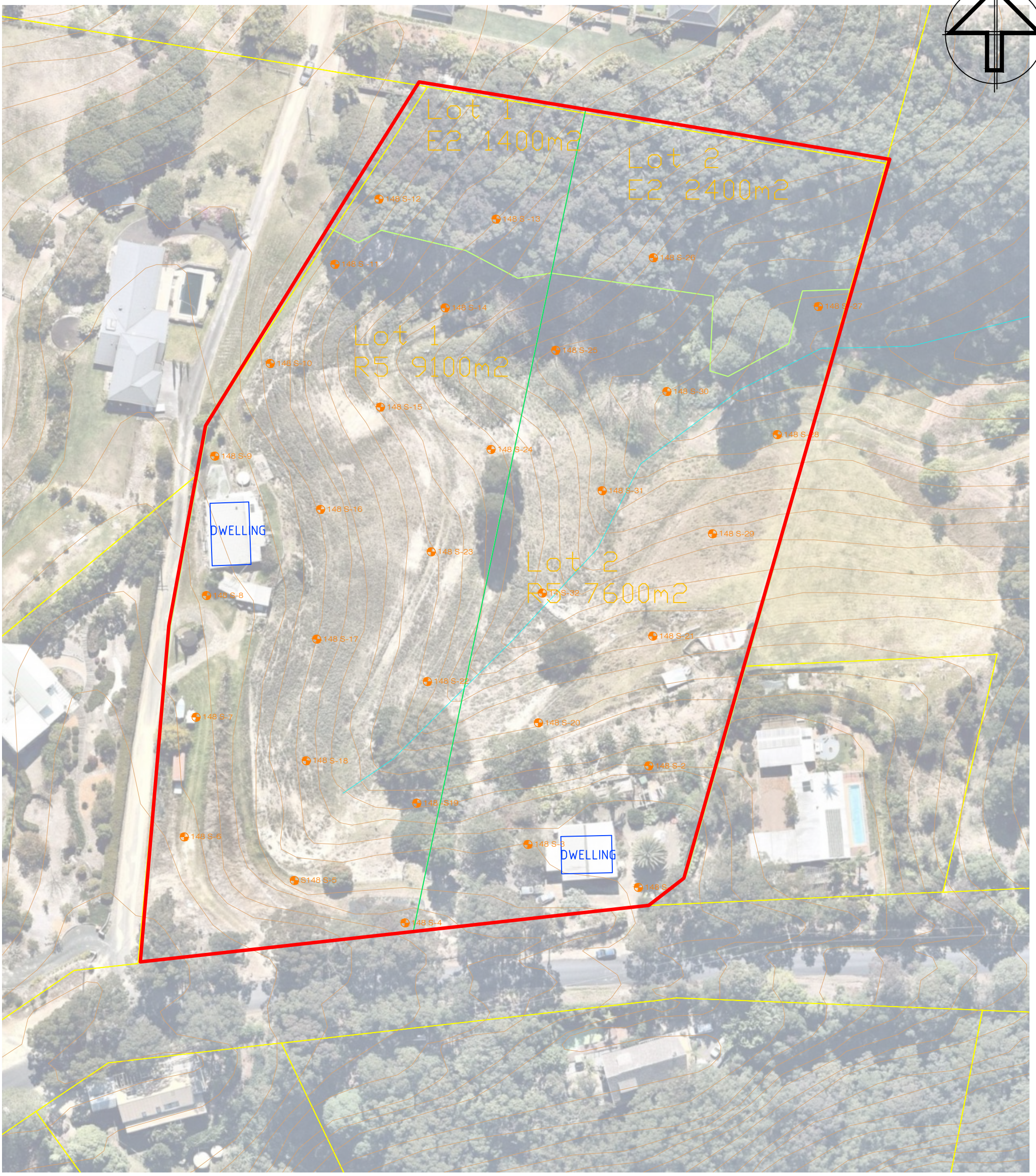
0 25 50 75

Horizontal Scale (metres) 1:1250

LEGEND

- Property Boundary
- Subdivision Boundary
- Adjacent Properties
- BE Proposed Building Envelope
- BE Targeted Sample Locations
- Discrete Sample Locations
- Composite Sample Locations

TITLE: No.9 Gaudrons Road Sampling Locations			FIGURE: Figure 8
			SHEET: 1 OF1 ISSUE: A
PROJECT: ESA for Proposed Subdivision of No. 9 and 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 14/7/23	SCALE: 1:1250	PROJECT: 2021-71



0 16 24 36

Horizontal Scale (metres) 1:800

LEGEND

- Property Boundary
- Adjacent Properties
- Subdivision Boundary
- Drainage Alignment
- Existing Dwelling
- Composite Sample Locations

TITLE: No.148 Gaudrons Sampling Locations			FIGURE: Figure 9
			SHEET: 1 OF1 ISSUE: A
PROJECT: ESA for Proposed Subdivision of No. 9 and 148 Gaudrons Road, Sapphire Beach			CLIENT: Bowen & Hunter
AUTHOR: SD	DATE: 14/7/23	SCALE: 1:800	PROJECT: 2021-71

APPENDIX A

Aerial Imagery 2019

9 Gaudrons Road, Sapphire Beach, NSW 2450

Aerial Imagery 2013

9 Gaudrons Road, Sapphire Beach, NSW 2450

Scale: 0 40 80 120 160 Meters

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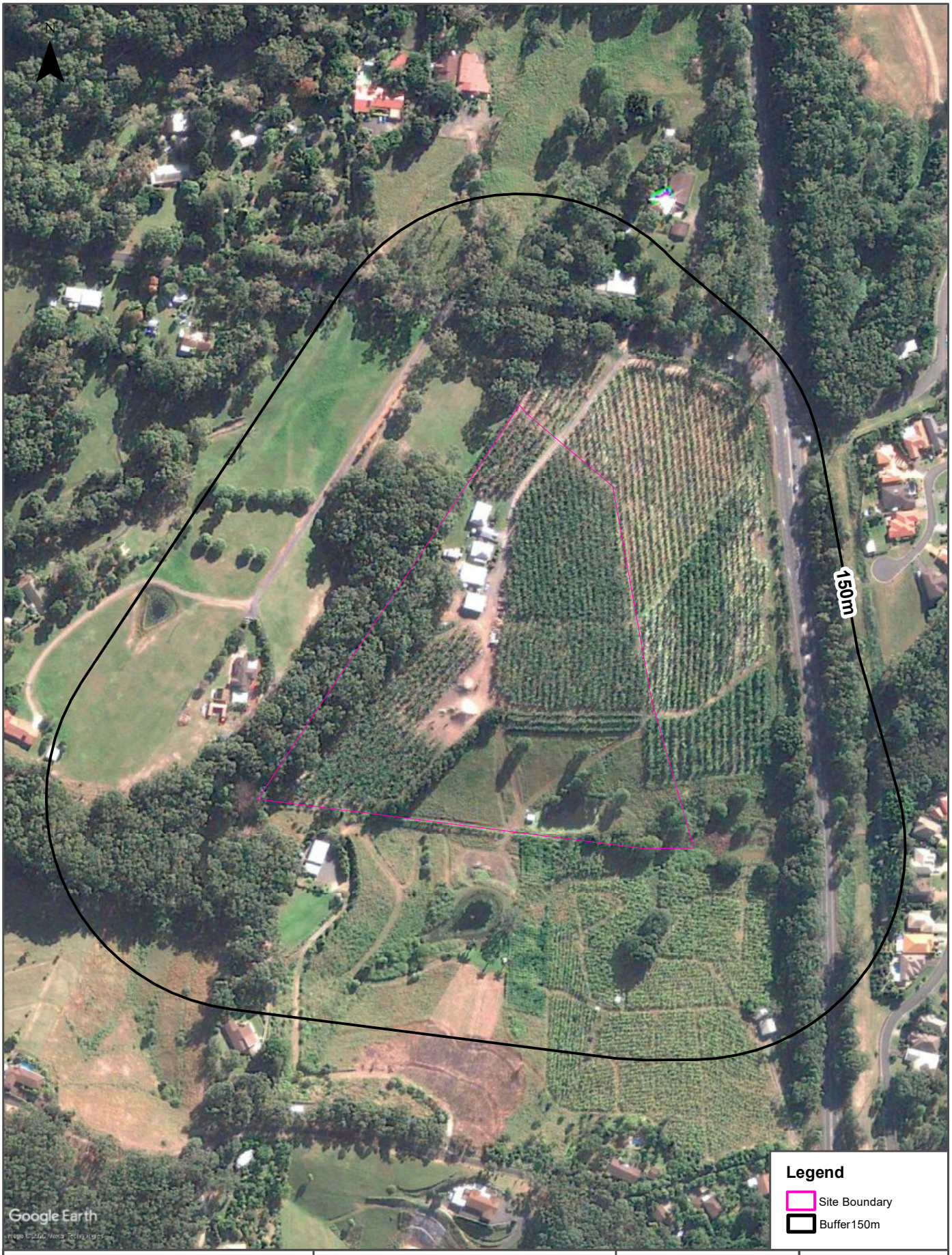
Coordinate System: GDA 1994 MGA Zone 56

Date: 28 October 2020

Aerial Imagery 2010

9 Gaudrons Road, Sapphire Beach, NSW 2450



Scale: 0 40 80 120 160 Meters

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Coordinate System: GDA 1994 MGA Zone 56

Date: 28 October 2020

Aerial Imagery 2004

9 Gaudrons Road, Sapphire Beach, NSW 2450

Scale: 0 40 80 120 160 Meters

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Coordinate System: GDA 1994 MGA Zone 56

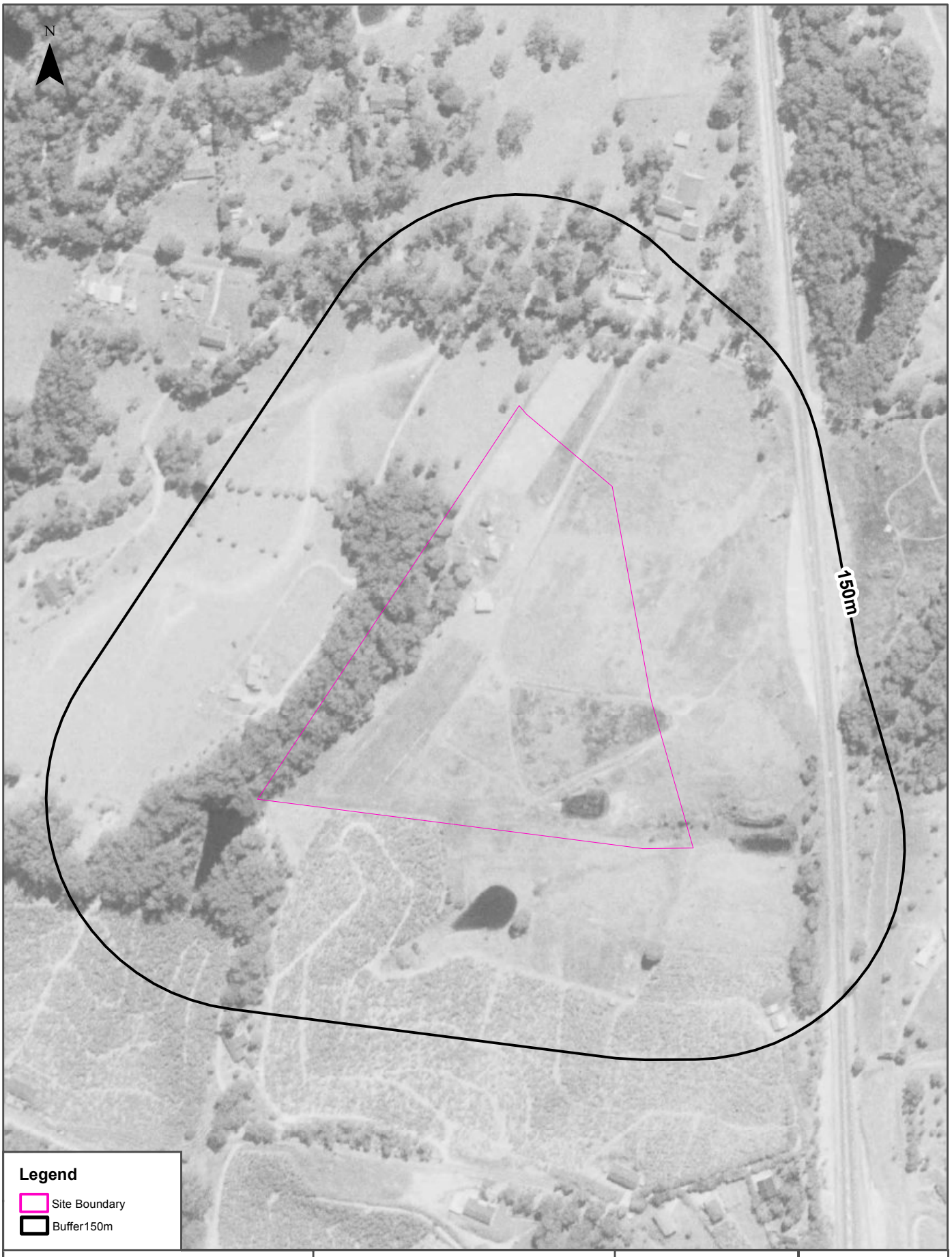
Date: 28 October 2020

Aerial Imagery 1994

9 Gaudrons Road, Sapphire Beach, NSW 2450

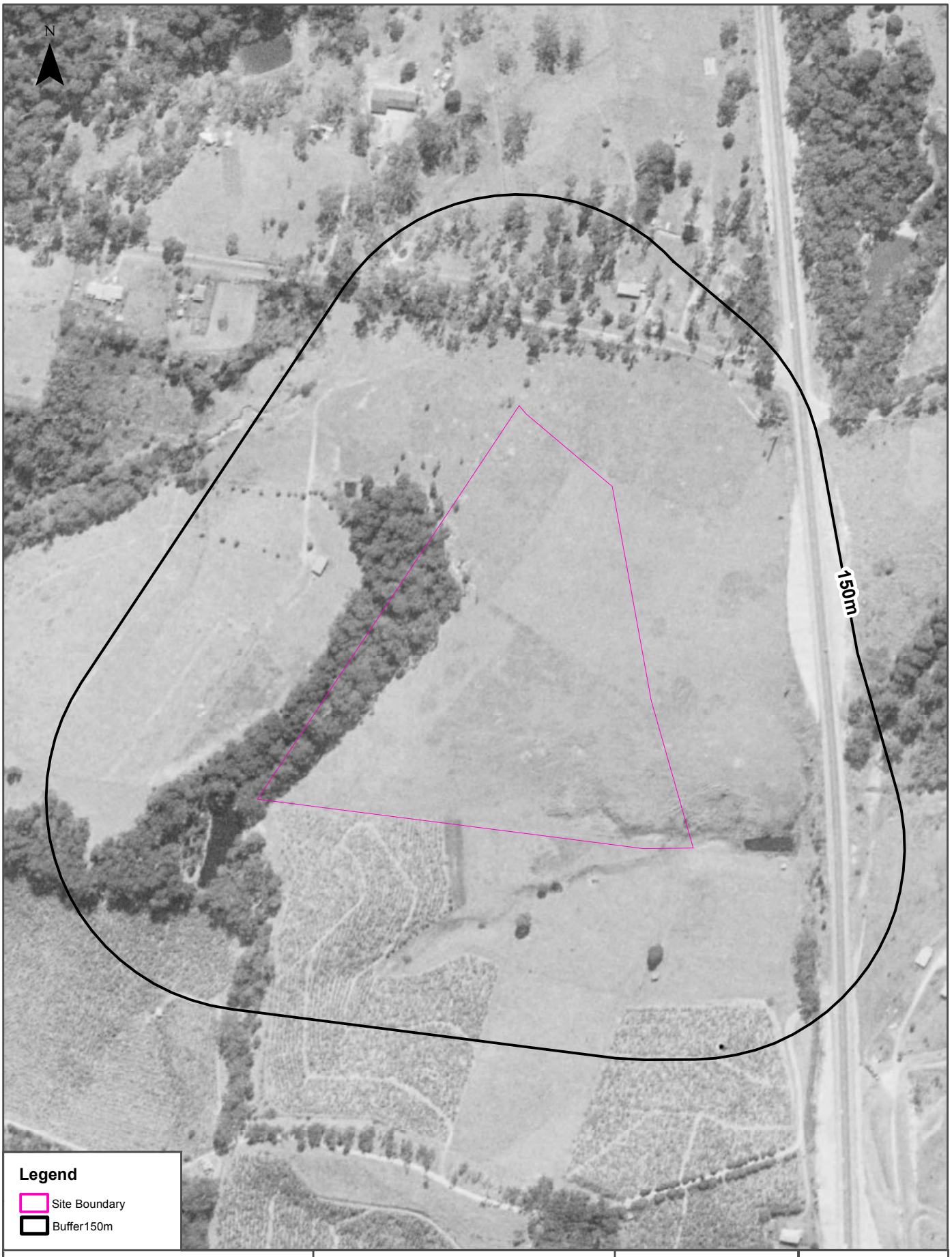
Aerial Imagery 1984

9 Gaudrons Road, Sapphire Beach, NSW 2450



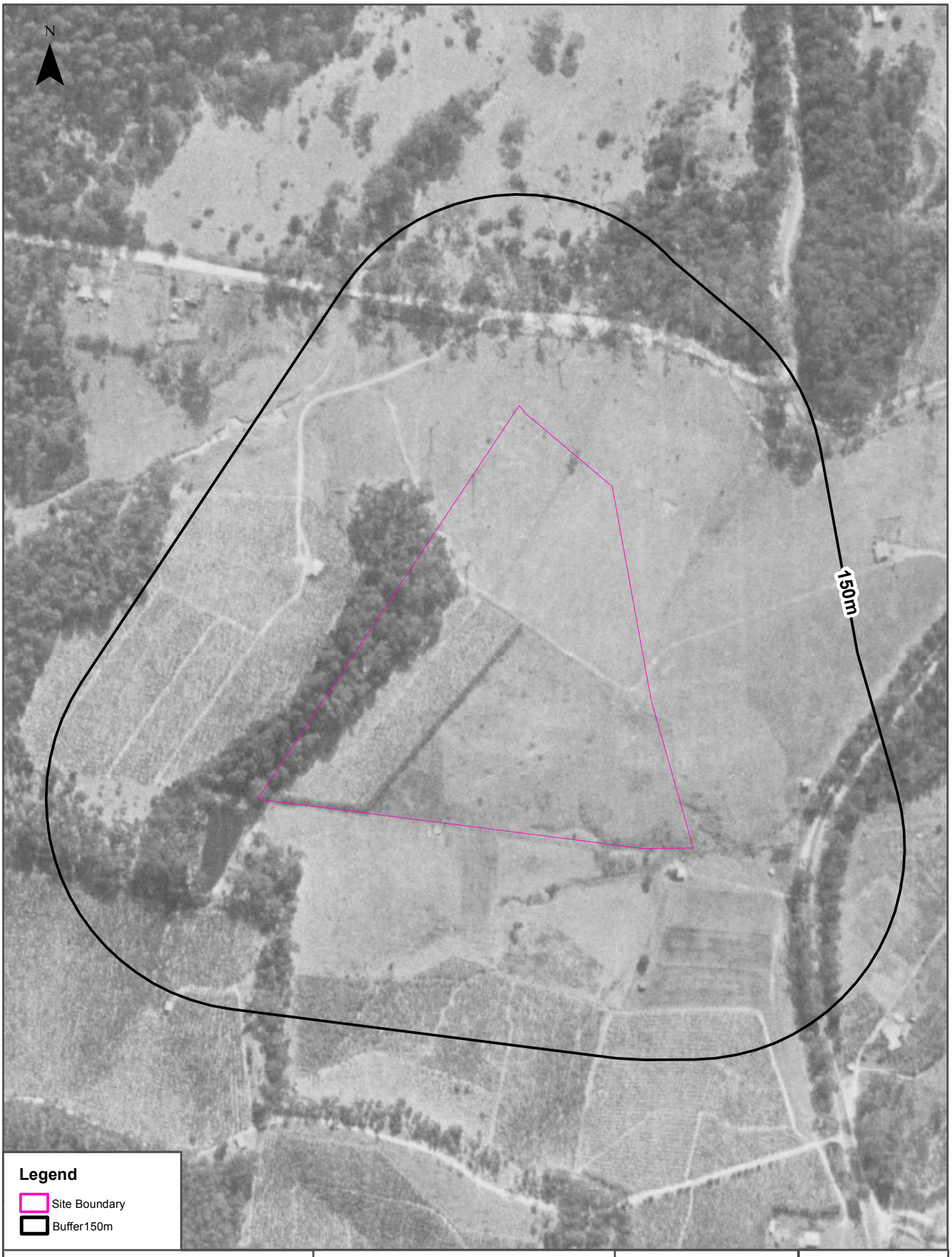
Aerial Imagery 1974

9 Gaudrons Road, Sapphire Beach, NSW 2450



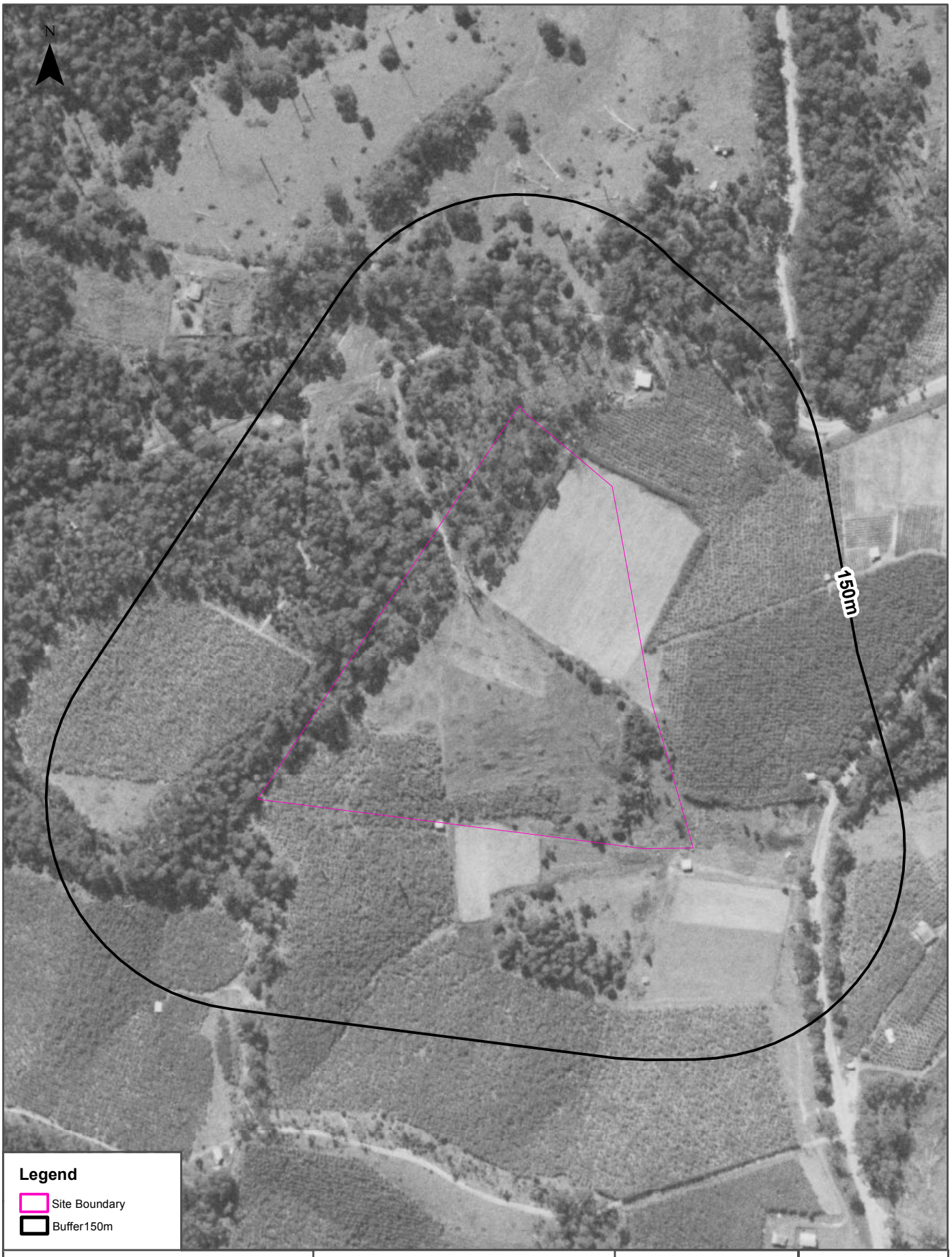
Aerial Imagery 1964

9 Gaudrons Road, Sapphire Beach, NSW 2450



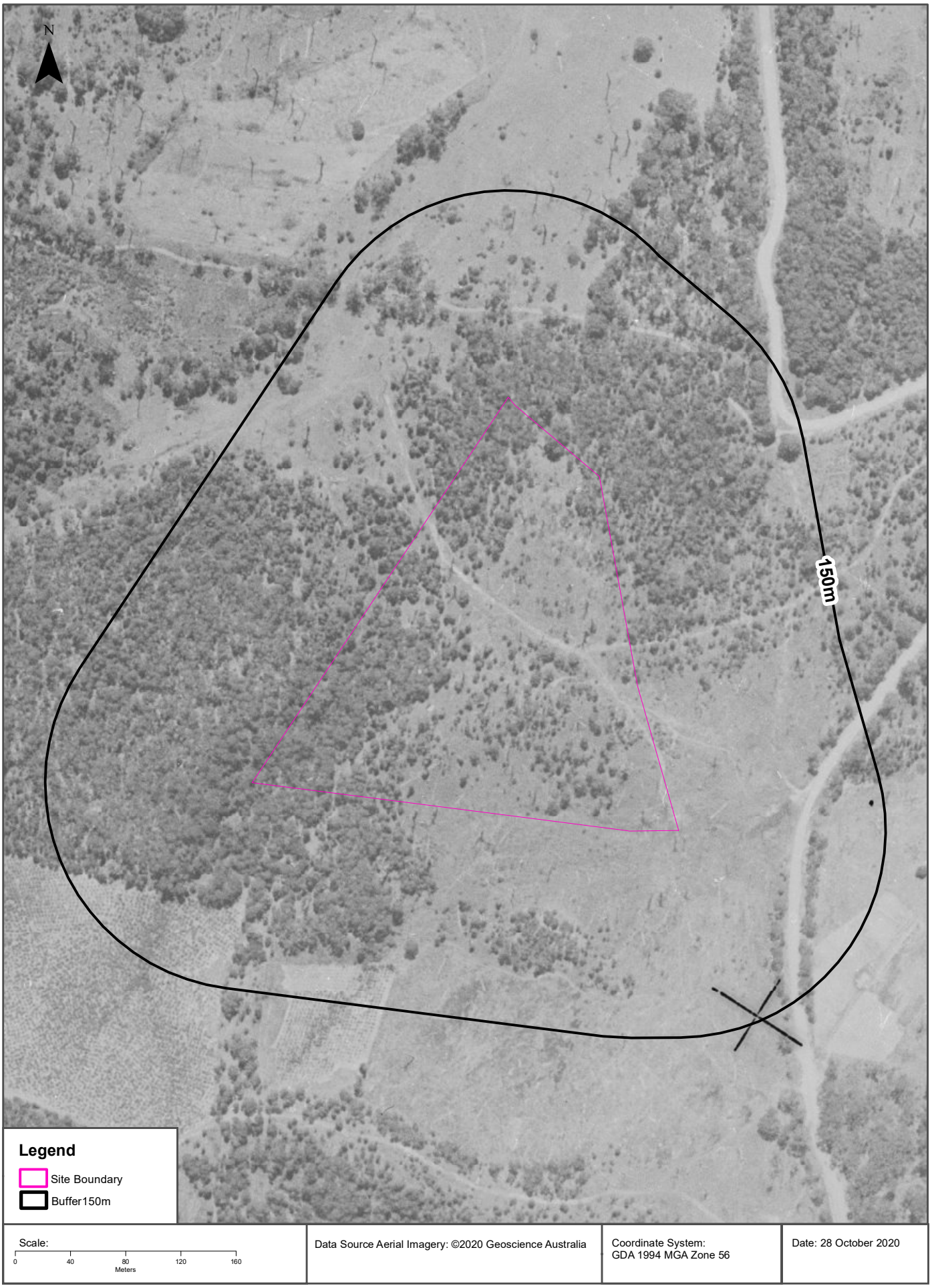
Aerial Imagery 1956

9 Gaudrons Road, Sapphire Beach, NSW 2450



Aerial Imagery 1943

9 Gaudrons Road, Sapphire Beach, NSW 2450

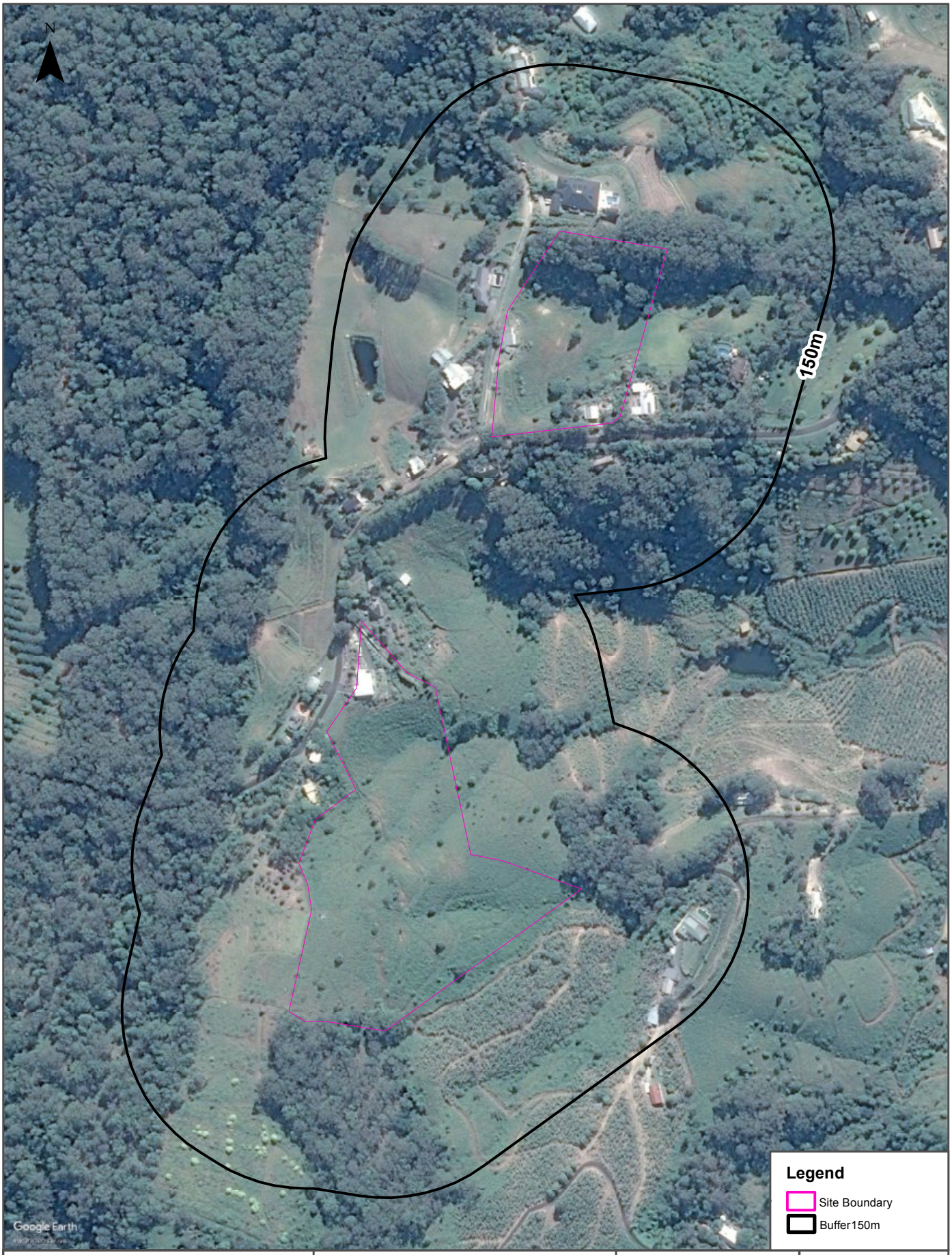


Aerial Imagery 2019

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450

Aerial Imagery 2013

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450



Scale:
0 50 100 150 200
Meters

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Coordinate System:
GDA 1994 MGA Zone 56

Date: 28 October 2020

Aerial Imagery 2010

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450

Scale:
0 50 100 150 200
Meters

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Coordinate System:
GDA 1994 MGA Zone 56

Date: 28 October 2020

Aerial Imagery 2004

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Scale: 0 50 100 150 200 Meters

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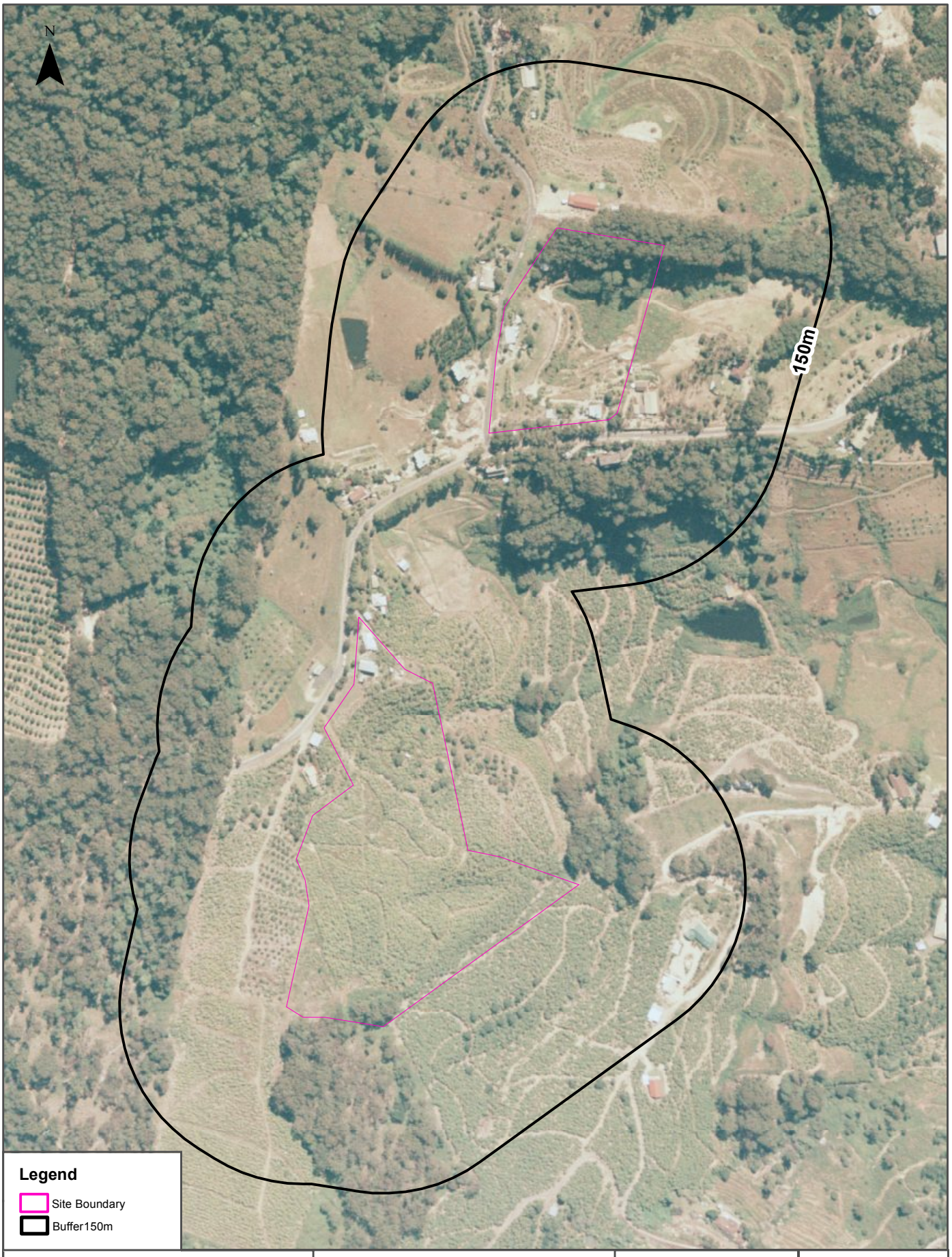
Coordinate System: GDA 1994 MGA Zone 56

Date: 28 October 2020

Aerial Imagery 1994

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450

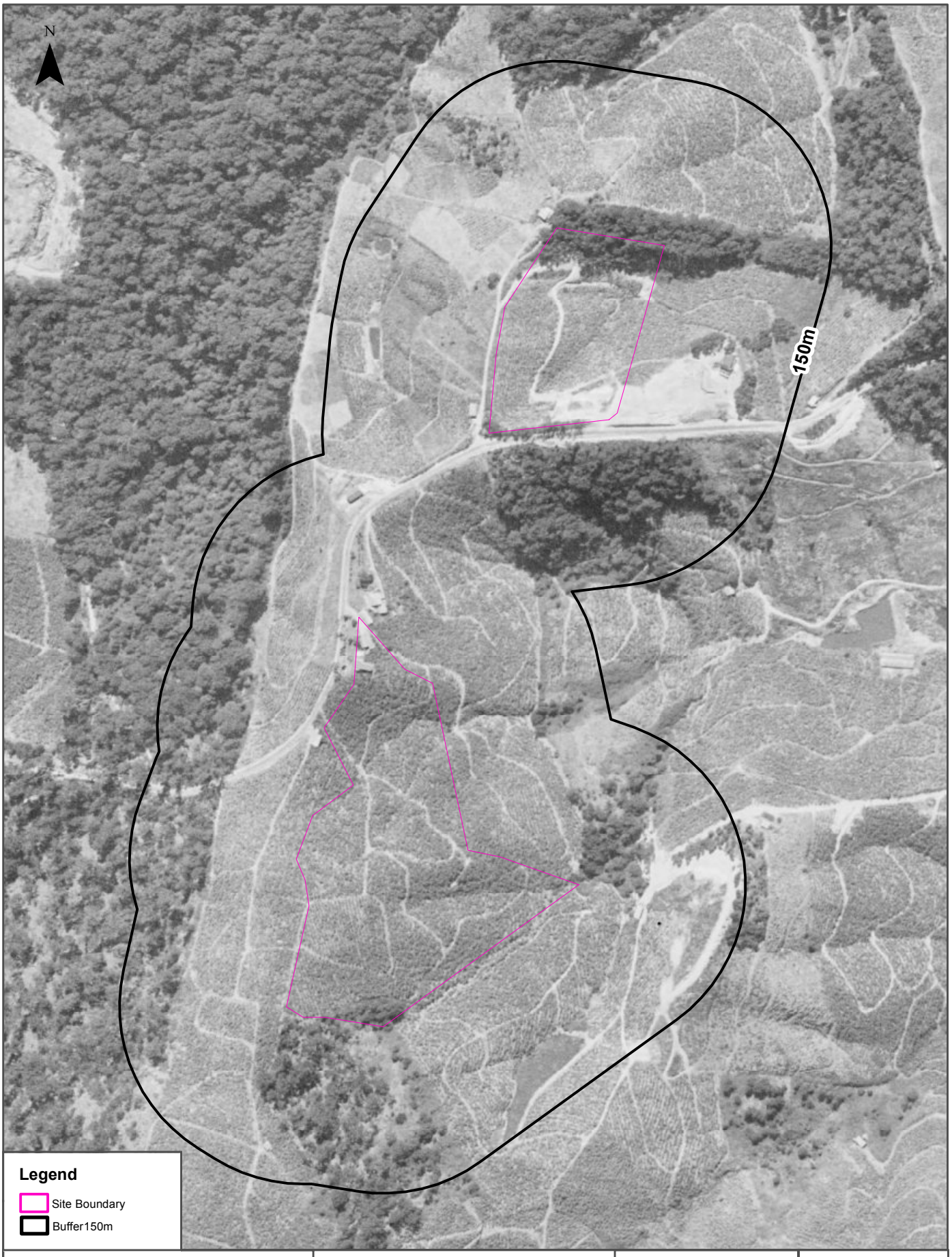


Aerial Imagery 1984

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450

Aerial Imagery 1974

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450

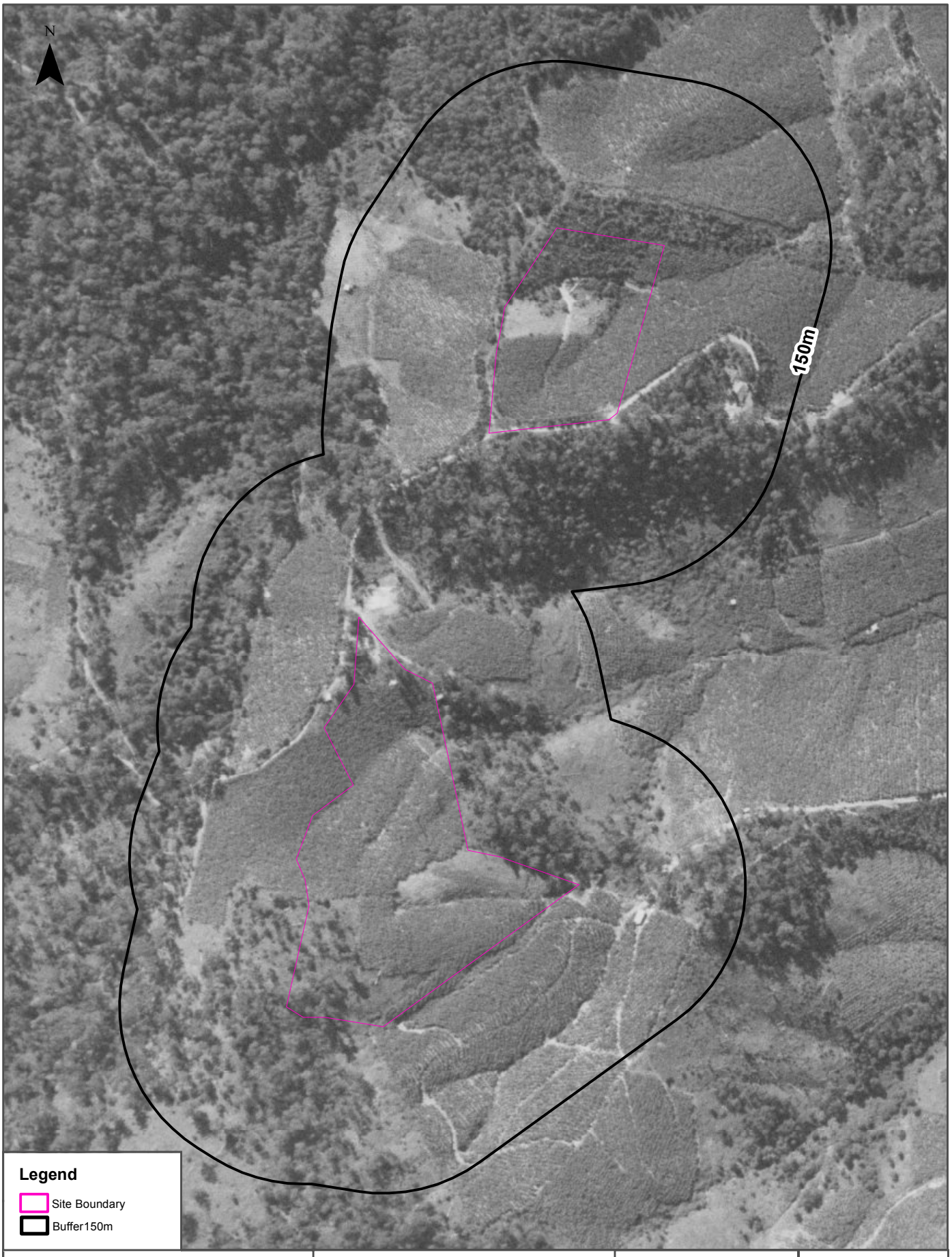


Aerial Imagery 1964

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450

Aerial Imagery 1956

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450



Aerial Imagery 1943

148 and 189 Gaudrons Road, Sapphire Beach, NSW 2450

APPENDIX B

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Company Name: Earth Water Consulting Pty Limited
Address: 2-16 Lourdes Avenue
Urunga
NSW 2455

Project Name: 9 GAUDRONS RD
Project ID: 2021-71

Order No.: 2021-71
Report #: 1001245
Phone: 0402 6083 96
Fax:

Received: Jun 21, 2023 9:50 AM
Due: Jun 28, 2023
Priority: 5 Day
Contact Name: Strider Duerinckx

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	HOLD	Lead	Organochlorine Pesticides	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B4
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	9 S-1	Jun 15, 2023		Soil	M23-Jn0050065		X					
2	9 S-2	Jun 15, 2023		Soil	M23-Jn0050066		X					
3	9 S-3	Jun 15, 2023		Soil	M23-Jn0050067		X					
4	9 S-4	Jun 15, 2023		Soil	M23-Jn0050068		X					
5	C 1	Jun 15, 2023		Soil	M23-Jn0050069	X		X	X		X	
6	9 S-5	Jun 15, 2023		Soil	M23-Jn0050070		X					
7	9 S-6	Jun 15, 2023		Soil	M23-Jn0050071		X					
8	9 S-7	Jun 15, 2023		Soil	M23-Jn0050072		X					
9	9 S-8	Jun 15, 2023		Soil	M23-Jn0050073		X					
10	C 2	Jun 15, 2023		Soil	M23-Jn0050074	X		X	X		X	
11	9 S-9	Jun 15, 2023		Soil	M23-Jn0050075		X					
12	9 S-10	Jun 15, 2023		Soil	M23-Jn0050076		X					
13	9 S-11	Jun 15, 2023		Soil	M23-Jn0050077		X					

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
14	9 S-12	Jun 15, 2023		Soil	M23-Jn0050078		X					
15	C 3	Jun 15, 2023		Soil	M23-Jn0050079	X		X	X		X	
16	9 S-13	Jun 15, 2023		Soil	M23-Jn0050080		X					
17	9 S-14	Jun 15, 2023		Soil	M23-Jn0050081		X					
18	9 S-15	Jun 15, 2023		Soil	M23-Jn0050082		X					
19	9 S-16	Jun 15, 2023		Soil	M23-Jn0050083		X					
20	C 4	Jun 15, 2023		Soil	M23-Jn0050084	X		X	X		X	
21	9 S-17	Jun 15, 2023		Soil	M23-Jn0050085		X					
22	9 S-18	Jun 15, 2023		Soil	M23-Jn0050086		X					
23	9 S-19	Jun 15, 2023		Soil	M23-Jn0050087		X					
24	9 S-20	Jun 15, 2023		Soil	M23-Jn0050088		X					
25	C 5	Jun 15, 2023		Soil	M23-Jn0050089	X		X	X		X	
26	9 S-21	Jun 15, 2023		Soil	M23-Jn0050090		X					
27	9 S-22	Jun 15, 2023		Soil	M23-Jn0050091		X					
28	9 S-23	Jun 15, 2023		Soil	M23-Jn0050092		X					
29	9 S-24	Jun 15, 2023		Soil	M23-Jn0050093		X					

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Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
30	C 6	Jun 15, 2023		Soil	M23-Jn0050094	X		X	X		X	
31	9 S-25	Jun 15, 2023		Soil	M23-Jn0050095		X					
32	9 S-26	Jun 15, 2023		Soil	M23-Jn0050096		X					
33	9 S-27	Jun 15, 2023		Soil	M23-Jn0050097		X					
34	9 S-28	Jun 15, 2023		Soil	M23-Jn0050098		X					
35	C 7	Jun 15, 2023		Soil	M23-Jn0050099	X		X	X		X	
36	9 S-29	Jun 15, 2023		Soil	M23-Jn0050100		X					
37	9 S-30	Jun 15, 2023		Soil	M23-Jn0050101		X					
38	9 S-31	Jun 15, 2023		Soil	M23-Jn0050102		X					
39	9 S-32	Jun 15, 2023		Soil	M23-Jn0050103		X					
40	C 8	Jun 15, 2023		Soil	M23-Jn0050104	X		X	X		X	
41	9 S-33	Jun 15, 2023		Soil	M23-Jn0050105		X					
42	9 S-34	Jun 15, 2023		Soil	M23-Jn0050106		X					
43	9 S-35	Jun 15, 2023		Soil	M23-Jn0050107		X					
44	9 S-36	Jun 15, 2023		Soil	M23-Jn0050108		X					
45	C 9	Jun 15, 2023		Soil	M23-Jn0050109	X		X	X		X	

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
46	9 S-37	Jun 15, 2023		Soil	M23-Jn0050110		X					
47	9 S-38	Jun 15, 2023		Soil	M23-Jn0050111		X					
48	9 S-39	Jun 15, 2023		Soil	M23-Jn0050112		X					
49	9 S-40	Jun 15, 2023		Soil	M23-Jn0050113		X					
50	C 10	Jun 15, 2023		Soil	M23-Jn0050114	X		X	X		X	
51	9 S-41	Jun 15, 2023		Soil	M23-Jn0050115		X					
52	9 S-42	Jun 15, 2023		Soil	M23-Jn0050116		X					
53	9 S-43	Jun 15, 2023		Soil	M23-Jn0050117		X					
54	9 S-44	Jun 15, 2023		Soil	M23-Jn0050118		X					
55	C 11	Jun 15, 2023		Soil	M23-Jn0050119	X		X	X		X	
56	9 Q-1	Jun 15, 2023		Soil	M23-Jn0050120		X					
57	9 Q-2	Jun 15, 2023		Soil	M23-Jn0050121		X					
58	9 Q-3	Jun 15, 2023		Soil	M23-Jn0050122		X					
59	9 Q-4	Jun 15, 2023		Soil	M23-Jn0050123		X					
60	C 12	Jun 15, 2023		Soil	M23-Jn0050124	X		X	X		X	
61	9 Q-5	Jun 15, 2023		Soil	M23-Jn0050125		X					

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
62	9 Q-6	Jun 15, 2023		Soil	M23-Jn0050126		X					
63	9 Q-7	Jun 15, 2023		Soil	M23-Jn0050127		X					
64	9 Q-8	Jun 15, 2023		Soil	M23-Jn0050128		X					
65	C 13	Jun 15, 2023		Soil	M23-Jn0050129	X		X	X		X	
66	9 Q-45	Jun 15, 2023		Soil	M23-Jn0050130	X		X	X		X	
67	9 S-45	Jun 15, 2023		Soil	M23-Jn0050131	X		X	X		X	
68	9 Q-46	Jun 15, 2023		Soil	M23-Jn0050132	X		X	X		X	X
69	9 S-46	Jun 15, 2023		Soil	M23-Jn0050133	X		X	X		X	X
70	9 Q-47	Jun 15, 2023		Soil	M23-Jn0050134	X		X	X		X	
71	9 S-47	Jun 15, 2023		Soil	M23-Jn0050135	X		X	X		X	
72	9 S-48	Jun 15, 2023		Soil	M23-Jn0050136	X		X	X		X	X
73	9 S-49	Jun 15, 2023		Soil	M23-Jn0050137	X		X	X		X	
74	9 S-50	Jun 15, 2023		Soil	M23-Jn0050138	X		X	X		X	
75	9 S-51	Jun 15, 2023		Soil	M23-Jn0050139	X		X	X		X	
76	9 S-52	Jun 15, 2023		Soil	M23-Jn0050140	X		X	X		X	X
77	9 S-53	Jun 15, 2023		Soil	M23-Jn0050141	X		X	X		X	

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
78	9 S-54	Jun 15, 2023		Soil	M23-Jn0050142	X		X	X		X	
79	9 S-55	Jun 15, 2023		Soil	M23-Jn0050143	X		X	X		X	X
80	9 S-56	Jun 15, 2023		Soil	M23-Jn0050144	X		X	X		X	
81	9 S-57	Jun 15, 2023		Soil	M23-Jn0050145	X		X	X		X	
82	9 S-58 0-150	Jun 19, 2023		Soil	M23-Jn0050146	X		X	X		X	
83	9 S-58 500-650	Jun 19, 2023		Soil	M23-Jn0050147	X		X	X		X	
84	9 S-59 0-150	Jun 19, 2023		Soil	M23-Jn0050148	X		X	X		X	
85	9 S-59 800-950	Jun 19, 2023		Soil	M23-Jn0050149	X		X	X		X	
86	9 S-60 0-150	Jun 19, 2023		Soil	M23-Jn0050150	X		X	X		X	
87	9 S-60 850-1000	Jun 19, 2023		Soil	M23-Jn0050151	X		X	X		X	
88	9 S-61	Jun 19, 2023		Soil	M23-Jn0050152	X		X	X		X	
89	9 S-62	Jun 19, 2023		Soil	M23-Jn0050153	X		X		X	X	
90	9 S-63	Jun 19, 2023		Soil	M23-Jn0050154	X		X		X	X	
91	9 S-64	Jun 19, 2023		Soil	M23-Jn0050155	X		X	X		X	

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Company Name: Earth Water Consulting Pty Limited
Address: 2-16 Lourdes Avenue
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NSW 2455

Project Name: 9 GAUDRONS RD
Project ID: 2021-71

Order No.: 2021-71
Report #: 1001245
Phone: 0402 6083 96
Fax:

Received: Jun 21, 2023 9:50 AM
Due: Jun 28, 2023
Priority: 5 Day
Contact Name: Strider Duerinckx

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	HOLD	Lead	Organochlorine Pesticides	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B4
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
92	9 S-65	Jun 19, 2023		Soil	M23-Jn0050156	X		X	X		X	
93	9 S-66	Jun 19, 2023		Soil	M23-Jn0050157	X		X	X		X	
94	9 S-67	Jun 19, 2023		Soil	M23-Jn0050158	X		X	X		X	
95	9 S-68	Jun 19, 2023		Soil	M23-Jn0050159	X		X		X	X	
96	9 S-69	Jun 19, 2023		Soil	M23-Jn0050160	X		X	X		X	
97	9 S-70	Jun 19, 2023		Soil	M23-Jn0050161	X		X		X	X	
98	148 S-1	Jun 19, 2023		Soil	M23-Jn0050162		X					
99	148 S-2	Jun 19, 2023		Soil	M23-Jn0050163		X					
100	148 S-3	Jun 19, 2023		Soil	M23-Jn0050164		X					
101	148 S-4	Jun 19, 2023		Soil	M23-Jn0050165		X					
102	C 14	Jun 19, 2023		Soil	M23-Jn0050166	X		X	X		X	
103	148 S-5	Jun 19, 2023		Soil	M23-Jn0050167		X					
104	148 S-6	Jun 19, 2023		Soil	M23-Jn0050168		X					
105	148 S-7	Jun 19, 2023		Soil	M23-Jn0050169		X					
106	148 S-8	Jun 19, 2023		Soil	M23-Jn0050170		X					
107	C 15	Jun 19, 2023		Soil	M23-Jn0050171	X		X	X		X	

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Company Name: Earth Water Consulting Pty Limited
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NSW 2455

Project Name: 9 GAUDRONS RD
Project ID: 2021-71

Order No.: 2021-71
Report #: 1001245
Phone: 0402 6083 96
Fax:

Received: Jun 21, 2023 9:50 AM
Due: Jun 28, 2023
Priority: 5 Day
Contact Name: Strider Duerinckx

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	HOLD	Lead	Organochlorine Pesticides	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B4
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
108	148 S-9	Jun 19, 2023		Soil	M23-Jn0050172		X					
109	148 S-10	Jun 19, 2023		Soil	M23-Jn0050173		X					
110	148 S-11	Jun 19, 2023		Soil	M23-Jn0050174		X					
111	148 S-12	Jun 19, 2023		Soil	M23-Jn0050175		X					
112	C 16	Jun 19, 2023		Soil	M23-Jn0050176	X		X	X		X	
113	148 S-13	Jun 19, 2023		Soil	M23-Jn0050177		X					
114	148 S-14	Jun 19, 2023		Soil	M23-Jn0050178		X					
115	148 S-15	Jun 19, 2023		Soil	M23-Jn0050179		X					
116	148 S-16	Jun 19, 2023		Soil	M23-Jn0050180		X					
117	C 17	Jun 19, 2023		Soil	M23-Jn0050181	X		X	X		X	
118	148 S-17	Jun 19, 2023		Soil	M23-Jn0050182		X					
119	148 S-18	Jun 19, 2023		Soil	M23-Jn0050183		X					
120	148 S-19	Jun 19, 2023		Soil	M23-Jn0050184		X					
121	148 S-20	Jun 19, 2023		Soil	M23-Jn0050185		X					
122	C 18	Jun 19, 2023		Soil	M23-Jn0050186	X		X	X		X	
123	148 S-21	Jun 19, 2023		Soil	M23-Jn0050187		X					

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Company Name: Earth Water Consulting Pty Limited
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Project Name: 9 GAUDRONS RD
Project ID: 2021-71

Order No.: 2021-71
Report #: 1001245
Phone: 0402 6083 96
Fax:

Received: Jun 21, 2023 9:50 AM
Due: Jun 28, 2023
Priority: 5 Day
Contact Name: Strider Duerinckx

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	HOLD	Lead	Organochlorine Pesticides	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B4
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
124	148 S-22	Jun 19, 2023		Soil	M23-Jn0050188		X					
125	148 S-23	Jun 19, 2023		Soil	M23-Jn0050189		X					
126	148 S-24	Jun 19, 2023		Soil	M23-Jn0050190		X					
127	C 19	Jun 19, 2023		Soil	M23-Jn0050191	X		X	X		X	
128	148 S-25	Jun 19, 2023		Soil	M23-Jn0050192		X					
129	148 S-26	Jun 19, 2023		Soil	M23-Jn0050193		X					
130	148 S-27	Jun 19, 2023		Soil	M23-Jn0050194		X					
131	148 S-28	Jun 19, 2023		Soil	M23-Jn0050195		X					
132	C 20	Jun 19, 2023		Soil	M23-Jn0050196	X		X	X		X	
133	148 S-29	Jun 19, 2023		Soil	M23-Jn0050197		X					
134	148 S-30	Jun 19, 2023		Soil	M23-Jn0050198		X					
135	148 S-31	Jun 19, 2023		Soil	M23-Jn0050199		X					
136	148 S-32	Jun 19, 2023		Soil	M23-Jn0050200		X					
137	C 21	Jun 19, 2023		Soil	M23-Jn0050201	X		X	X		X	
Test Counts						53	84	53	49	4	53	5

Earth Water Consulting Pty Limited
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Attention: **Strider Duerinckx**

Report **1001245-S**
Project name 9 GAUDRONS RD
Project ID 2021-71
Received Date Jun 21, 2023

Client Sample ID			**C 1**	**C 2**	**C 3**	**C 4**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**M23-Jn0050069**	**M23-Jn0050074**	**M23-Jn0050079**	**M23-Jn0050084**
Date Sampled			**Jun 15, 2023**	**Jun 15, 2023**	**Jun 15, 2023**	**Jun 15, 2023**
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	85	83	97	98
Tetrachloro-m-xylene (surr.)	1	%	59	89	57	80
Heavy Metals						
Arsenic	2	mg/kg	3.3	6.1	2.9	< 2
Lead	5	mg/kg	6.9	12	6.1	9.6
Sample Properties						
% Moisture	1	%	18	25	20	22

Client Sample ID			C 5	C 6	C 7	C 8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050089	M23-Jn0050094	M23-Jn0050099	M23-Jn0050104
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	86	69	101	111
Tetrachloro-m-xylene (surr.)	1	%	126	109	79	59
Heavy Metals						
Arsenic	2	mg/kg	13	5.9	51	26
Lead	5	mg/kg	27	15	17	13
Sample Properties						
% Moisture	1	%	28	19	26	24

Client Sample ID			C 9	C 10	C 11	C 12
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050109	M23-Jn0050114	M23-Jn0050119	M23-Jn0050124
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			C 9	C 10	C 11	C 12
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050109	M23-Jn0050114	M23-Jn0050119	M23-Jn0050124
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	80	99	88	100
Tetrachloro-m-xylene (surr.)	1	%	78	65	63	71
Heavy Metals						
Arsenic	2	mg/kg	79	38	18	2.8
Lead	5	mg/kg	10	13	38	7.3
Sample Properties						
% Moisture	1	%	21	23	23	22

Client Sample ID			C 13	9 Q-45	9 S-45	9 Q-46
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050129	M23-Jn0050130	M23-Jn0050131	M23-Jn0050132
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			C 13	9 Q-45	9 S-45	9 Q-46
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050129	M23-Jn0050130	M23-Jn0050131	M23-Jn0050132
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	82	116	101	98
Tetrachloro-m-xylene (surr.)	1	%	123	63	69	55
Heavy Metals						
Arsenic	2	mg/kg	13	7.1	6.3	9.0
Lead	5	mg/kg	14	19	22	26
Sample Properties						
% Moisture	1	%	23	13	16	15
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	138
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			C 13	9 Q-45	9 S-45	9 Q-46
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050129	M23-Jn0050130	M23-Jn0050131	M23-Jn0050132
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	98
p-Terphenyl-d14 (surr.)	1	%	-	-	-	61

Client Sample ID			9 S-46	9 Q-47	9 S-47	9 S-48
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050133	M23-Jn0050134	M23-Jn0050135	M23-Jn0050136
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	104	93	66	88
Tetrachloro-m-xylene (surr.)	1	%	58	57	52	69

Client Sample ID			9 S-46	9 Q-47	9 S-47	9 S-48
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050133	M23-Jn0050134	M23-Jn0050135	M23-Jn0050136
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	7.6	8.3	8.2	10
Lead	5	mg/kg	25	23	22	26
Sample Properties						
% Moisture	1	%	15	14	20	12
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	-	< 20
TRH C15-C28	50	mg/kg	< 50	-	-	< 50
TRH C29-C36	50	mg/kg	< 50	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	< 50
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	-	< 50
TRH >C16-C34	100	mg/kg	< 100	-	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	81	-	-	112
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	-	< 0.5

Client Sample ID			9 S-46	9 Q-47	9 S-47	9 S-48
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050133	M23-Jn0050134	M23-Jn0050135	M23-Jn0050136
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
2-Fluorobiphenyl (surr.)	1	%	98	-	-	66
p-Terphenyl-d14 (surr.)	1	%	60	-	-	79

Client Sample ID			9 S-49	9 S-50	9 S-51	9 S-52
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050137	M23-Jn0050138	M23-Jn0050139	M23-Jn0050140
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	108	65	133	64
Tetrachloro-m-xylene (surr.)	1	%	62	60	108	59
Heavy Metals						
Arsenic	2	mg/kg	11	8.5	6.2	13
Lead	5	mg/kg	22	19	9.8	15
Sample Properties						
% Moisture	1	%	15	11	17	11
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50

Client Sample ID			9 S-49	9 S-50	9 S-51	9 S-52
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050137	M23-Jn0050138	M23-Jn0050139	M23-Jn0050140
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	63
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	58
p-Terphenyl-d14 (surr.)	1	%	-	-	-	61

Client Sample ID			9 S-53	9 S-54	9 S-55	9 S-56
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050141	M23-Jn0050142	M23-Jn0050143	M23-Jn0050144
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	61	62	72	70
Tetrachloro-m-xylene (surr.)	1	%	62	57	75	69
Heavy Metals						
Arsenic	2	mg/kg	6.3	8.0	5.5	8.4
Lead	5	mg/kg	15	27	16	34
Sample Properties						
% Moisture	1	%	16	4.0	21	16
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	-
TRH C10-C14	20	mg/kg	-	-	< 20	-
TRH C15-C28	50	mg/kg	-	-	< 50	-
TRH C29-C36	50	mg/kg	-	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	-	< 50	-
TRH C6-C10	20	mg/kg	-	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	-
TRH >C10-C16	50	mg/kg	-	-	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	< 50	-
TRH >C16-C34	100	mg/kg	-	-	< 100	-
TRH >C34-C40	100	mg/kg	-	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	-

Client Sample ID			9 S-53	9 S-54	9 S-55	9 S-56
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050141	M23-Jn0050142	M23-Jn0050143	M23-Jn0050144
Date Sampled			Jun 15, 2023	Jun 15, 2023	Jun 15, 2023	Jun 15, 2023
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	-	81	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	1.2	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Phenanthrene	0.5	mg/kg	-	-	< 0.5	-
Pyrene	0.5	mg/kg	-	-	< 0.5	-
Total PAH*	0.5	mg/kg	-	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	-	65	-
p-Terphenyl-d14 (surr.)	1	%	-	-	63	-

Client Sample ID			9 S-57	9 S-58 0-150	9 S-58 500-650	9 S-59 0-150
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050145	M23-Jn0050146	M23-Jn0050147	M23-Jn0050148
Date Sampled			Jun 15, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			9 S-57	9 S-58 0-150	9 S-58 500-650	9 S-59 0-150
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050145	M23-Jn0050146	M23-Jn0050147	M23-Jn0050148
Date Sampled			Jun 15, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	93	63	77	54
Tetrachloro-m-xylene (surr.)	1	%	69	55	63	51
Heavy Metals						
Arsenic	2	mg/kg	6.1	12	3.9	18
Lead	5	mg/kg	75	17	14	22
Sample Properties						
% Moisture	1	%	15	23	26	22

Client Sample ID			9 S-59 800-950	9 S-60 0-150	9 S-60 850-1000	9 S-61
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050149	M23-Jn0050150	M23-Jn0050151	M23-Jn0050152
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			9 S-59 800-950	9 S-60 0-150	9 S-60 850-1000	9 S-61
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050149	M23-Jn0050150	M23-Jn0050151	M23-Jn0050152
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	57	65	65	67
Tetrachloro-m-xylene (surr.)	1	%	51	61	56	61
Heavy Metals						
Arsenic	2	mg/kg	6.0	3.2	12	3.4
Lead	5	mg/kg	13	9.8	14	14
Sample Properties						
% Moisture	1	%	25	20	21	7.6

Client Sample ID			9 S-62	9 S-63	9 S-64	9 S-65
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050153	M23-Jn0050154	M23-Jn0050155	M23-Jn0050156
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			9 S-62	9 S-63	9 S-64	9 S-65
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050153	M23-Jn0050154	M23-Jn0050155	M23-Jn0050156
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	112	62	72	128
Tetrachloro-m-xylene (surr.)	1	%	56	92	93	74
Heavy Metals						
Arsenic	2	mg/kg	< 2	4.3	4.4	11
Lead	5	mg/kg	5.5	12	13	33
Sample Properties						
% Moisture	1	%	5.2	18	20	19
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	-
Bolstar	0.2	mg/kg	< 0.2	< 0.2	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	-
Coumaphos	2	mg/kg	< 2	< 2	-	-
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	-	-
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	-	-
Diazinon	0.2	mg/kg	< 0.2	< 0.2	-	-
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	-	-
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	-	-
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	-	-
EPN	0.2	mg/kg	< 0.2	< 0.2	-	-
Ethion	0.2	mg/kg	< 0.2	< 0.2	-	-
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	-
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	-	-
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	-	-
Fenthion	0.2	mg/kg	< 0.2	< 0.2	-	-
Malathion	0.2	mg/kg	< 0.2	< 0.2	-	-
Merphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Monocrotophos	2	mg/kg	< 2	< 2	-	-
Naled	0.2	mg/kg	< 0.2	< 0.2	-	-
Omethoate	2	mg/kg	< 2	< 2	-	-
Phorate	0.2	mg/kg	< 0.2	< 0.2	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	-
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	-	-
Ronnel	0.2	mg/kg	< 0.2	< 0.2	-	-
Terbufos	0.2	mg/kg	< 0.2	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	-	-
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	120	66	-	-

Client Sample ID			9 S-66	9 S-67	9 S-68	9 S-69
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050157	M23-Jn0050158	M23-Jn0050159	M23-Jn0050160
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	0.06	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	95	116	256	81
Tetrachloro-m-xylene (surr.)	1	%	77	76	112	105
Heavy Metals						
Arsenic	2	mg/kg	13	16	16	10
Lead	5	mg/kg	23	24	25	23
Sample Properties						
% Moisture	1	%	8.3	15	17	12
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	< 0.2	-
Bolstar	0.2	mg/kg	-	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	-	< 0.2	-
Coumaphos	2	mg/kg	-	-	< 2	-
Demeton-S	0.2	mg/kg	-	-	< 0.2	-
Demeton-O	0.2	mg/kg	-	-	< 0.2	-
Diazinon	0.2	mg/kg	-	-	< 0.2	-
Dichlorvos	0.2	mg/kg	-	-	< 0.2	-
Dimethoate	0.2	mg/kg	-	-	< 0.2	-
Disulfoton	0.2	mg/kg	-	-	< 0.2	-
EPN	0.2	mg/kg	-	-	< 0.2	-
Ethion	0.2	mg/kg	-	-	< 0.2	-
Ethoprop	0.2	mg/kg	-	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	-	-	< 0.2	-

Client Sample ID			9 S-66	9 S-67	9 S-68	9 S-69
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050157	M23-Jn0050158	M23-Jn0050159	M23-Jn0050160
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Fenitrothion	0.2	mg/kg	-	-	< 0.2	-
Fensulfothion	0.2	mg/kg	-	-	< 0.2	-
Fenthion	0.2	mg/kg	-	-	< 0.2	-
Malathion	0.2	mg/kg	-	-	< 0.2	-
Merphos	0.2	mg/kg	-	-	< 0.2	-
Methyl parathion	0.2	mg/kg	-	-	< 0.2	-
Mevinphos	0.2	mg/kg	-	-	< 0.2	-
Monocrotophos	2	mg/kg	-	-	< 2	-
Naled	0.2	mg/kg	-	-	< 0.2	-
Omethoate	2	mg/kg	-	-	< 2	-
Phorate	0.2	mg/kg	-	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	-	-	< 0.2	-
Pyrazophos	0.2	mg/kg	-	-	< 0.2	-
Ronnel	0.2	mg/kg	-	-	< 0.2	-
Terbufos	0.2	mg/kg	-	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	-	-	< 0.2	-
Tokuthion	0.2	mg/kg	-	-	< 0.2	-
Trichloronate	0.2	mg/kg	-	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	-	-	195	-

Client Sample ID			9 S-70	C 14	C 15	C 16
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050161	M23-Jn0050166	M23-Jn0050171	M23-Jn0050176
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			9 S-70	C 14	C 15	C 16
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050161	M23-Jn0050166	M23-Jn0050171	M23-Jn0050176
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	131	125	107	108
Tetrachloro-m-xylene (surr.)	1	%	63	131	93	83
Heavy Metals						
Arsenic	2	mg/kg	16	9.4	29	14
Lead	5	mg/kg	25	35	40	21
Sample Properties						
% Moisture	1	%	5.2	9.4	17	18
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	-
Coumaphos	2	mg/kg	< 2	-	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-	-
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
EPN	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Malathion	0.2	mg/kg	< 0.2	-	-	-
Merphos	0.2	mg/kg	< 0.2	-	-	-
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Monocrotophos	2	mg/kg	< 2	-	-	-
Naled	0.2	mg/kg	< 0.2	-	-	-
Omethoate	2	mg/kg	< 2	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	86	-	-	-

Client Sample ID			C 17	C 18	C 19	C 20
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Jn0050181	M23-Jn0050186	M23-Jn0050191	M23-Jn0050196
Date Sampled			Jun 19, 2023	Jun 19, 2023	Jun 19, 2023	Jun 19, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	97	78	89	91
Tetrachloro-m-xylene (surr.)	1	%	61	59	73	64
Heavy Metals						
Arsenic	2	mg/kg	22	< 2	25	30
Lead	5	mg/kg	36	< 5	25	23
Sample Properties						
% Moisture	1	%	23	21	18	19

Client Sample ID			C 21
Sample Matrix			Soil
Eurofins Sample No.			M23-Jn0050201
Date Sampled			Jun 19, 2023
Test/Reference	LOR	Unit	
Organochlorine Pesticides			
Chlordanes - Total	0.1	mg/kg	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05
a-HCH	0.05	mg/kg	< 0.05
Aldrin	0.05	mg/kg	< 0.05
b-HCH	0.05	mg/kg	< 0.05
d-HCH	0.05	mg/kg	< 0.05

Client Sample ID			C 21
Sample Matrix			**Soil**
Eurofins Sample No.			**M23-Jn0050201**
Date Sampled			**Jun 19, 2023**
Test/Reference	LOR	Unit	
Organochlorine Pesticides			
Dieldrin	0.05	mg/kg	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05
Endrin	0.05	mg/kg	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05
Heptachlor	0.05	mg/kg	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05
Toxaphene	0.5	mg/kg	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1
Dibutylchlorendate (surr.)	1	%	68
Tetrachloro-m-xylene (surr.)	1	%	61
Heavy Metals			
Arsenic	2	mg/kg	20
Lead	5	mg/kg	21
Sample Properties			
% Moisture	1	%	21

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Suite B14: OCP/OPP			
Organochlorine Pesticides	Melbourne	Jun 27, 2023	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)			
Organophosphorus Pesticides	Melbourne	Jun 27, 2023	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)			
Heavy Metals	Melbourne	Jun 27, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Melbourne	Jun 22, 2023	14 Days
- Method: LTM-GEN-7080 Moisture			
Eurofins Suite B4			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Jun 27, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Jun 27, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Jun 27, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Melbourne	Jun 27, 2023	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Melbourne	Jun 27, 2023	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

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Company Name: Earth Water Consulting Pty Limited
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Project Name: 9 GAUDRONS RD
Project ID: 2021-71

Order No.: 2021-71
Report #: 1001245
Phone: 0402 6083 96
Fax:

Received: Jun 21, 2023 9:50 AM
Due: Jun 28, 2023
Priority: 5 Day
Contact Name: Strider Duerinckx

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	HOLD	Lead	Organochlorine Pesticides	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B4
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	9 S-1	Jun 15, 2023		Soil	M23-Jn0050065		X					
2	9 S-2	Jun 15, 2023		Soil	M23-Jn0050066		X					
3	9 S-3	Jun 15, 2023		Soil	M23-Jn0050067		X					
4	9 S-4	Jun 15, 2023		Soil	M23-Jn0050068		X					
5	C 1	Jun 15, 2023		Soil	M23-Jn0050069	X		X	X		X	
6	9 S-5	Jun 15, 2023		Soil	M23-Jn0050070		X					
7	9 S-6	Jun 15, 2023		Soil	M23-Jn0050071		X					
8	9 S-7	Jun 15, 2023		Soil	M23-Jn0050072		X					
9	9 S-8	Jun 15, 2023		Soil	M23-Jn0050073		X					
10	C 2	Jun 15, 2023		Soil	M23-Jn0050074	X		X	X		X	
11	9 S-9	Jun 15, 2023		Soil	M23-Jn0050075		X					
12	9 S-10	Jun 15, 2023		Soil	M23-Jn0050076		X					
13	9 S-11	Jun 15, 2023		Soil	M23-Jn0050077		X					

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Received: Jun 21, 2023 9:50 AM
Due: Jun 28, 2023
Priority: 5 Day
Contact Name: Strider Duerinckx

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	HOLD	Lead	Organochlorine Pesticides	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B4
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
14	9 S-12	Jun 15, 2023		Soil	M23-Jn0050078		X					
15	C 3	Jun 15, 2023		Soil	M23-Jn0050079	X		X	X		X	
16	9 S-13	Jun 15, 2023		Soil	M23-Jn0050080		X					
17	9 S-14	Jun 15, 2023		Soil	M23-Jn0050081		X					
18	9 S-15	Jun 15, 2023		Soil	M23-Jn0050082		X					
19	9 S-16	Jun 15, 2023		Soil	M23-Jn0050083		X					
20	C 4	Jun 15, 2023		Soil	M23-Jn0050084	X		X	X		X	
21	9 S-17	Jun 15, 2023		Soil	M23-Jn0050085		X					
22	9 S-18	Jun 15, 2023		Soil	M23-Jn0050086		X					
23	9 S-19	Jun 15, 2023		Soil	M23-Jn0050087		X					
24	9 S-20	Jun 15, 2023		Soil	M23-Jn0050088		X					
25	C 5	Jun 15, 2023		Soil	M23-Jn0050089	X		X	X		X	
26	9 S-21	Jun 15, 2023		Soil	M23-Jn0050090		X					
27	9 S-22	Jun 15, 2023		Soil	M23-Jn0050091		X					
28	9 S-23	Jun 15, 2023		Soil	M23-Jn0050092		X					
29	9 S-24	Jun 15, 2023		Soil	M23-Jn0050093		X					

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Company Name: Earth Water Consulting Pty Limited
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Project Name: 9 GAUDRONS RD
Project ID: 2021-71

Order No.: 2021-71
Report #: 1001245
Phone: 0402 6083 96
Fax:

Received: Jun 21, 2023 9:50 AM
Due: Jun 28, 2023
Priority: 5 Day
Contact Name: Strider Duerinckx

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	HOLD	Lead	Organochlorine Pesticides	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B4
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
30	C 6	Jun 15, 2023		Soil	M23-Jn0050094	X		X	X		X	
31	9 S-25	Jun 15, 2023		Soil	M23-Jn0050095		X					
32	9 S-26	Jun 15, 2023		Soil	M23-Jn0050096		X					
33	9 S-27	Jun 15, 2023		Soil	M23-Jn0050097		X					
34	9 S-28	Jun 15, 2023		Soil	M23-Jn0050098		X					
35	C 7	Jun 15, 2023		Soil	M23-Jn0050099	X		X	X		X	
36	9 S-29	Jun 15, 2023		Soil	M23-Jn0050100		X					
37	9 S-30	Jun 15, 2023		Soil	M23-Jn0050101		X					
38	9 S-31	Jun 15, 2023		Soil	M23-Jn0050102		X					
39	9 S-32	Jun 15, 2023		Soil	M23-Jn0050103		X					
40	C 8	Jun 15, 2023		Soil	M23-Jn0050104	X		X	X		X	
41	9 S-33	Jun 15, 2023		Soil	M23-Jn0050105		X					
42	9 S-34	Jun 15, 2023		Soil	M23-Jn0050106		X					
43	9 S-35	Jun 15, 2023		Soil	M23-Jn0050107		X					
44	9 S-36	Jun 15, 2023		Soil	M23-Jn0050108		X					
45	C 9	Jun 15, 2023		Soil	M23-Jn0050109	X		X	X		X	

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46	9 S-37	Jun 15, 2023		Soil	M23-Jn0050110		X					
47	9 S-38	Jun 15, 2023		Soil	M23-Jn0050111		X					
48	9 S-39	Jun 15, 2023		Soil	M23-Jn0050112		X					
49	9 S-40	Jun 15, 2023		Soil	M23-Jn0050113		X					
50	C 10	Jun 15, 2023		Soil	M23-Jn0050114	X		X	X		X	
51	9 S-41	Jun 15, 2023		Soil	M23-Jn0050115		X					
52	9 S-42	Jun 15, 2023		Soil	M23-Jn0050116		X					
53	9 S-43	Jun 15, 2023		Soil	M23-Jn0050117		X					
54	9 S-44	Jun 15, 2023		Soil	M23-Jn0050118		X					
55	C 11	Jun 15, 2023		Soil	M23-Jn0050119	X		X	X		X	
56	9 Q-1	Jun 15, 2023		Soil	M23-Jn0050120		X					
57	9 Q-2	Jun 15, 2023		Soil	M23-Jn0050121		X					
58	9 Q-3	Jun 15, 2023		Soil	M23-Jn0050122		X					
59	9 Q-4	Jun 15, 2023		Soil	M23-Jn0050123		X					
60	C 12	Jun 15, 2023		Soil	M23-Jn0050124	X		X	X		X	
61	9 Q-5	Jun 15, 2023		Soil	M23-Jn0050125		X					

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
62	9 Q-6	Jun 15, 2023		Soil	M23-Jn0050126		X					
63	9 Q-7	Jun 15, 2023		Soil	M23-Jn0050127		X					
64	9 Q-8	Jun 15, 2023		Soil	M23-Jn0050128		X					
65	C 13	Jun 15, 2023		Soil	M23-Jn0050129	X		X	X		X	
66	9 Q-45	Jun 15, 2023		Soil	M23-Jn0050130	X		X	X		X	
67	9 S-45	Jun 15, 2023		Soil	M23-Jn0050131	X		X	X		X	
68	9 Q-46	Jun 15, 2023		Soil	M23-Jn0050132	X		X	X		X	X
69	9 S-46	Jun 15, 2023		Soil	M23-Jn0050133	X		X	X		X	X
70	9 Q-47	Jun 15, 2023		Soil	M23-Jn0050134	X		X	X		X	
71	9 S-47	Jun 15, 2023		Soil	M23-Jn0050135	X		X	X		X	
72	9 S-48	Jun 15, 2023		Soil	M23-Jn0050136	X		X	X		X	X
73	9 S-49	Jun 15, 2023		Soil	M23-Jn0050137	X		X	X		X	
74	9 S-50	Jun 15, 2023		Soil	M23-Jn0050138	X		X	X		X	
75	9 S-51	Jun 15, 2023		Soil	M23-Jn0050139	X		X	X		X	
76	9 S-52	Jun 15, 2023		Soil	M23-Jn0050140	X		X	X		X	X
77	9 S-53	Jun 15, 2023		Soil	M23-Jn0050141	X		X	X		X	

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
78	9 S-54	Jun 15, 2023		Soil	M23-Jn0050142	X		X	X		X	
79	9 S-55	Jun 15, 2023		Soil	M23-Jn0050143	X		X	X		X	X
80	9 S-56	Jun 15, 2023		Soil	M23-Jn0050144	X		X	X		X	
81	9 S-57	Jun 15, 2023		Soil	M23-Jn0050145	X		X	X		X	
82	9 S-58 0-150	Jun 19, 2023		Soil	M23-Jn0050146	X		X	X		X	
83	9 S-58 500-650	Jun 19, 2023		Soil	M23-Jn0050147	X		X	X		X	
84	9 S-59 0-150	Jun 19, 2023		Soil	M23-Jn0050148	X		X	X		X	
85	9 S-59 800-950	Jun 19, 2023		Soil	M23-Jn0050149	X		X	X		X	
86	9 S-60 0-150	Jun 19, 2023		Soil	M23-Jn0050150	X		X	X		X	
87	9 S-60 850-1000	Jun 19, 2023		Soil	M23-Jn0050151	X		X	X		X	
88	9 S-61	Jun 19, 2023		Soil	M23-Jn0050152	X		X	X		X	
89	9 S-62	Jun 19, 2023		Soil	M23-Jn0050153	X		X		X	X	
90	9 S-63	Jun 19, 2023		Soil	M23-Jn0050154	X		X		X	X	
91	9 S-64	Jun 19, 2023		Soil	M23-Jn0050155	X		X	X		X	

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
92	9 S-65	Jun 19, 2023		Soil	M23-Jn0050156	X		X	X		X	
93	9 S-66	Jun 19, 2023		Soil	M23-Jn0050157	X		X	X		X	
94	9 S-67	Jun 19, 2023		Soil	M23-Jn0050158	X		X	X		X	
95	9 S-68	Jun 19, 2023		Soil	M23-Jn0050159	X		X		X	X	
96	9 S-69	Jun 19, 2023		Soil	M23-Jn0050160	X		X	X		X	
97	9 S-70	Jun 19, 2023		Soil	M23-Jn0050161	X		X		X	X	
98	148 S-1	Jun 19, 2023		Soil	M23-Jn0050162		X					
99	148 S-2	Jun 19, 2023		Soil	M23-Jn0050163		X					
100	148 S-3	Jun 19, 2023		Soil	M23-Jn0050164		X					
101	148 S-4	Jun 19, 2023		Soil	M23-Jn0050165		X					
102	C 14	Jun 19, 2023		Soil	M23-Jn0050166	X		X	X		X	
103	148 S-5	Jun 19, 2023		Soil	M23-Jn0050167		X					
104	148 S-6	Jun 19, 2023		Soil	M23-Jn0050168		X					
105	148 S-7	Jun 19, 2023		Soil	M23-Jn0050169		X					
106	148 S-8	Jun 19, 2023		Soil	M23-Jn0050170		X					
107	C 15	Jun 19, 2023		Soil	M23-Jn0050171	X		X	X		X	

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108	148 S-9	Jun 19, 2023		Soil	M23-Jn0050172		X					
109	148 S-10	Jun 19, 2023		Soil	M23-Jn0050173		X					
110	148 S-11	Jun 19, 2023		Soil	M23-Jn0050174		X					
111	148 S-12	Jun 19, 2023		Soil	M23-Jn0050175		X					
112	C 16	Jun 19, 2023		Soil	M23-Jn0050176	X		X	X		X	
113	148 S-13	Jun 19, 2023		Soil	M23-Jn0050177		X					
114	148 S-14	Jun 19, 2023		Soil	M23-Jn0050178		X					
115	148 S-15	Jun 19, 2023		Soil	M23-Jn0050179		X					
116	148 S-16	Jun 19, 2023		Soil	M23-Jn0050180		X					
117	C 17	Jun 19, 2023		Soil	M23-Jn0050181	X		X	X		X	
118	148 S-17	Jun 19, 2023		Soil	M23-Jn0050182		X					
119	148 S-18	Jun 19, 2023		Soil	M23-Jn0050183		X					
120	148 S-19	Jun 19, 2023		Soil	M23-Jn0050184		X					
121	148 S-20	Jun 19, 2023		Soil	M23-Jn0050185		X					
122	C 18	Jun 19, 2023		Soil	M23-Jn0050186	X		X	X		X	
123	148 S-21	Jun 19, 2023		Soil	M23-Jn0050187		X					

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124	148 S-22	Jun 19, 2023		Soil	M23-Jn0050188		X					
125	148 S-23	Jun 19, 2023		Soil	M23-Jn0050189		X					
126	148 S-24	Jun 19, 2023		Soil	M23-Jn0050190		X					
127	C 19	Jun 19, 2023		Soil	M23-Jn0050191	X		X	X		X	
128	148 S-25	Jun 19, 2023		Soil	M23-Jn0050192		X					
129	148 S-26	Jun 19, 2023		Soil	M23-Jn0050193		X					
130	148 S-27	Jun 19, 2023		Soil	M23-Jn0050194		X					
131	148 S-28	Jun 19, 2023		Soil	M23-Jn0050195		X					
132	C 20	Jun 19, 2023		Soil	M23-Jn0050196	X		X	X		X	
133	148 S-29	Jun 19, 2023		Soil	M23-Jn0050197		X					
134	148 S-30	Jun 19, 2023		Soil	M23-Jn0050198		X					
135	148 S-31	Jun 19, 2023		Soil	M23-Jn0050199		X					
136	148 S-32	Jun 19, 2023		Soil	M23-Jn0050200		X					
137	C 21	Jun 19, 2023		Soil	M23-Jn0050201	X		X	X		X	
Test Counts						53	84	53	49	4	53	5

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

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

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**µg/L:** micrograms per litre
ppm: parts per million	**ppb:** parts per billion	**%:** Percentage
org/100 mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres
CFU: Colony forming unit		

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR: RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Lead	mg/kg	< 5			5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	96			70-130	Pass	
4.4'-DDD	%	93			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4.4'-DDE	%	104			70-130	Pass	
4.4'-DDT	%	96			70-130	Pass	
a-HCH	%	122			70-130	Pass	
Aldrin	%	127			70-130	Pass	
b-HCH	%	88			70-130	Pass	
d-HCH	%	106			70-130	Pass	
Dieldrin	%	95			70-130	Pass	
Endosulfan I	%	98			70-130	Pass	
Endosulfan II	%	122			70-130	Pass	
Endosulfan sulphate	%	94			70-130	Pass	
Endrin	%	90			70-130	Pass	
Endrin aldehyde	%	95			70-130	Pass	
Endrin ketone	%	125			70-130	Pass	
g-HCH (Lindane)	%	105			70-130	Pass	
Heptachlor	%	105			70-130	Pass	
Heptachlor epoxide	%	108			70-130	Pass	
Hexachlorobenzene	%	110			70-130	Pass	
Methoxychlor	%	95			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	111			80-120	Pass	
Lead	%	120			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	105			70-130	Pass	
TRH C10-C14	%	87			70-130	Pass	
TRH C6-C10	%	100			70-130	Pass	
TRH >C10-C16	%	93			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	119			70-130	Pass	
Toluene	%	113			70-130	Pass	
Ethylbenzene	%	122			70-130	Pass	
m&p-Xylenes	%	97			70-130	Pass	
Xylenes - Total*	%	98			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	116			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	85			70-130	Pass	
Acenaphthylene	%	82			70-130	Pass	
Anthracene	%	90			70-130	Pass	
Benz(a)anthracene	%	102			70-130	Pass	
Benzo(a)pyrene	%	84			70-130	Pass	
Benzo(b&j)fluoranthene	%	73			70-130	Pass	
Benzo(g.h.i)perylene	%	90			70-130	Pass	
Benzo(k)fluoranthene	%	105			70-130	Pass	
Chrysene	%	96			70-130	Pass	
Dibenz(a.h)anthracene	%	86			70-130	Pass	
Fluoranthene	%	85			70-130	Pass	
Fluorene	%	80			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	92			70-130	Pass	
Naphthalene	%	94			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Phenanthrene			%	89			70-130	Pass	
Pyrene			%	88			70-130	Pass	
LCS - % Recovery									
Organophosphorus Pesticides									
Diazinon			%	104			70-130	Pass	
Dimethoate			%	101			70-130	Pass	
Ethion			%	89			70-130	Pass	
Fenitrothion			%	109			70-130	Pass	
Methyl parathion			%	102			70-130	Pass	
Mevinphos			%	91			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Jn0050131	CP	%	117			75-125	Pass	
Lead	M23-Jn0050131	CP	%	128			75-125	Fail	Q08
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M23-Jn0055072	NCP	%	93			70-130	Pass	
TRH C10-C14	M23-Jn0049927	NCP	%	82			70-130	Pass	
TRH C6-C10	M23-Jn0055072	NCP	%	89			70-130	Pass	
TRH >C10-C16	M23-Jn0049927	NCP	%	78			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M23-Jn0055072	NCP	%	77			70-130	Pass	
Toluene	M23-Jn0055072	NCP	%	78			70-130	Pass	
Ethylbenzene	M23-Jn0055072	NCP	%	88			70-130	Pass	
m&p-Xylenes	M23-Jn0055072	NCP	%	91			70-130	Pass	
o-Xylene	M23-Jn0055072	NCP	%	91			70-130	Pass	
Xylenes - Total*	M23-Jn0055072	NCP	%	91			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	M23-Jn0055072	NCP	%	89			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M23-Jn0051928	NCP	%	99			70-130	Pass	
Acenaphthylene	M23-Jn0051928	NCP	%	92			70-130	Pass	
Anthracene	M23-Jn0051928	NCP	%	108			70-130	Pass	
Benz(a)anthracene	M23-Jn0051928	NCP	%	81			70-130	Pass	
Benzo(a)pyrene	M23-Jn0051928	NCP	%	112			70-130	Pass	
Benzo(b&j)fluoranthene	M23-Jn0051928	NCP	%	77			70-130	Pass	
Benzo(g.h.i)perylene	M23-Jn0051928	NCP	%	125			70-130	Pass	
Benzo(k)fluoranthene	M23-Jn0051928	NCP	%	123			70-130	Pass	
Chrysene	M23-Jn0051928	NCP	%	128			70-130	Pass	
Dibenz(a.h)anthracene	M23-Jn0051928	NCP	%	90			70-130	Pass	
Fluoranthene	M23-Jn0051928	NCP	%	97			70-130	Pass	
Fluorene	M23-Jn0051928	NCP	%	91			70-130	Pass	
Indeno(1.2.3-cd)pyrene	M23-Jn0051928	NCP	%	103			70-130	Pass	
Naphthalene	M23-Jn0051928	NCP	%	109			70-130	Pass	
Phenanthrene	M23-Jn0051928	NCP	%	123			70-130	Pass	
Pyrene	M23-Jn0051928	NCP	%	103			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Jn0050138	CP	%	97			75-125	Pass	
Lead	M23-Jn0050138	CP	%	106			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M23-Jn0050154	CP	%	115			70-130	Pass	
Dimethoate	M23-Jn0050154	CP	%	78			70-130	Pass	
Ethion	M23-Jn0050154	CP	%	115			70-130	Pass	
Fenitrothion	M23-Jn0050154	CP	%	90			70-130	Pass	
Methyl parathion	M23-Jn0050154	CP	%	86			70-130	Pass	
Mevinphos	M23-Jn0050154	CP	%	73			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M23-Jn0050158	CP	%	114			70-130	Pass	
4.4'-DDD	M23-Jn0050158	CP	%	112			70-130	Pass	
4.4'-DDE	M23-Jn0050158	CP	%	112			70-130	Pass	
4.4'-DDT	M23-Jn0050158	CP	%	111			70-130	Pass	
a-HCH	M23-Jn0050158	CP	%	109			70-130	Pass	
Aldrin	M23-Jn0050158	CP	%	105			70-130	Pass	
b-HCH	M23-Jn0050158	CP	%	107			70-130	Pass	
d-HCH	M23-Jn0050158	CP	%	72			70-130	Pass	
Dieldrin	M23-Jn0050158	CP	%	116			70-130	Pass	
Endosulfan I	M23-Jn0050158	CP	%	79			70-130	Pass	
Endosulfan II	M23-Jn0050158	CP	%	91			70-130	Pass	
Endosulfan sulphate	M23-Jn0050158	CP	%	94			70-130	Pass	
Endrin	M23-Jn0050158	CP	%	102			70-130	Pass	
Endrin aldehyde	M23-Jn0050158	CP	%	122			70-130	Pass	
Endrin ketone	M23-Jn0050158	CP	%	114			70-130	Pass	
g-HCH (Lindane)	M23-Jn0050158	CP	%	114			70-130	Pass	
Heptachlor	M23-Jn0050158	CP	%	72			70-130	Pass	
Heptachlor epoxide	M23-Jn0050158	CP	%	117			70-130	Pass	
Hexachlorobenzene	M23-Jn0050158	CP	%	127			70-130	Pass	
Methoxychlor	M23-Jn0050158	CP	%	96			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Jn0050158	CP	%	108			75-125	Pass	
Lead	M23-Jn0050158	CP	%	102			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M23-Jn0050196	CP	%	90			70-130	Pass	
4.4'-DDD	M23-Jn0050196	CP	%	101			70-130	Pass	
4.4'-DDE	M23-Jn0050196	CP	%	84			70-130	Pass	
4.4'-DDT	M23-Jn0050196	CP	%	87			70-130	Pass	
a-HCH	M23-Jn0050196	CP	%	80			70-130	Pass	
Aldrin	M23-Jn0050196	CP	%	77			70-130	Pass	
b-HCH	M23-Jn0050196	CP	%	87			70-130	Pass	
d-HCH	M23-Jn0050196	CP	%	89			70-130	Pass	
Dieldrin	M23-Jn0050196	CP	%	85			70-130	Pass	
Endosulfan I	M23-Jn0050196	CP	%	86			70-130	Pass	
Endosulfan II	M23-Jn0050196	CP	%	77			70-130	Pass	
Endosulfan sulphate	M23-Jn0050196	CP	%	88			70-130	Pass	
Endrin	M23-Jn0050196	CP	%	89			70-130	Pass	
Endrin aldehyde	M23-Jn0050196	CP	%	114			70-130	Pass	
Endrin ketone	M23-Jn0050196	CP	%	113			70-130	Pass	
g-HCH (Lindane)	M23-Jn0050196	CP	%	92			70-130	Pass	
Heptachlor	M23-Jn0050196	CP	%	116			70-130	Pass	
Heptachlor epoxide	M23-Jn0050196	CP	%	100			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Hexachlorobenzene	M23-Jn0050196	CP	%	82			70-130	Pass	
Methoxychlor	M23-Jn0050196	CP	%	109			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M23-Jn0050069	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M23-Jn0050069	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M23-Jn0050069	CP	%	18	15	18	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M23-Jn0050069	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M23-Jn0050119	CP	%	23	23	1.4	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Jn0050131	CP	mg/kg	6.3	6.3	<1	30%	Pass	
Lead	M23-Jn0050131	CP	mg/kg	22	22	2.4	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M23-Jn0046614	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	M23-Jn0048205	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	M23-Jn0048205	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	M23-Jn0048205	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	M23-Jn0046614	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	M23-Jn0048205	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	M23-Jn0048205	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	M23-Jn0048205	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M23-Jn0046614	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M23-Jn0046614	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M23-Jn0046614	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M23-Jn0046614	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M23-Jn0046614	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	M23-Jn0046614	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M23-Jn0046614	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M23-Jn0050137	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M23-Jn0050137	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M23-Jn0050137	CP	%	15	14	11	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Benzo(k)fluoranthene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M23-Jn0050137	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	M23-Jn0050137	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	M23-Jn0050137	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	M23-Jn0050137	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	M23-Jn0050137	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Jn0050138	CP	mg/kg	8.5	8.5	<1	30%	Pass	
Lead	M23-Jn0050138	CP	mg/kg	19	19	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M23-Jn0050147	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M23-Jn0050147	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M23-Jn0050147	CP	%	26	27	1.5	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M23-Jn0050147	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	M23-Jn0050147	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Dimethoate	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	M23-Jn0050147	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	M23-Jn0050147	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	M23-Jn0050147	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Jn0050157	CP	mg/kg	13	11	10	30%	Pass	
Lead	M23-Jn0050157	CP	mg/kg	23	22	4.6	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M23-Jn0050157	CP	%	8.3	6.8	19	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Jn0050158	CP	mg/kg	16	16	3.1	30%	Pass	
Lead	M23-Jn0050158	CP	mg/kg	24	24	2.8	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M23-Jn0050166	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Heptachlor epoxide	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M23-Jn0050166	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M23-Jn0050166	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	M23-Jn0050166	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	M23-Jn0050166	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	M23-Jn0050166	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Terbufos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	M23-Jn0050166	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M23-Jn0050191	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M23-Jn0050191	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Lead	M23-Jn0050191	CP	mg/kg	25	32	25	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M23-Jn0050191	CP	%	18	20	15	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M23-Jn0050191	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	M23-Jn0050191	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	M23-Jn0050191	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	M23-Jn0050191	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	M23-Jn0050191	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Comments

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.

Authorised by:

Adam Bateup	Analytical Services Manager
Edward Lee	Senior Analyst-Organic
Emily Rosenberg	Senior Analyst-Metal
Joseph Edouard	Senior Analyst-Organic
Joseph Edouard	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal
Mary Makarios	Senior Analyst-Sample Properties
Mele Singh	Senior Analyst-Organic
Mele Singh	Senior Analyst-Volatile

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] **Sydney Laboratory** Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066 02 9900 8400 EnviroSampleNSW@eurofins.com
- [ ] **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com
- [ ] **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com
- [ ] **Melbourne Laboratory** 2 Kingston Town Close Oakleigh VIC 3166 03 8564 5000 EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A MArina Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0402608396
Special Directions	
Purchase Order	~~2223~~ 2021 – 71
Quote ID №	Earth Water Consulting

Project №	~~2223~~ 2021 – 71
Project Name	9 GAUDRONS RD
Project Manager	STRIDER DUERINCKX
EDD Format (ESdat, EQuIS, Custom)	
Sampler(s)	RL
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Analyses: Where metals are requested, please specify "Total" or "Filtered". BTEX data must be reported for detected NUTE (if using).

Containers: Change container type & size if necessary

Required Turnaround Time (Default will be 5 days if not ticked) *Surcharge will apply

- [ ] Overnight (reporting by 9am)*
- [ ] Same day*
- [ ] 1 day*
- [ ] 2 days*
- [ ] 3 days*
- [x] 5 days (Standard)
- [ ] Other ( )

№	Client Sample ID	Sampled Date/Time (dd/mm/yy hh:mm)	Matrix (Solid (S), Water (W))	COMPOSITE	COMP ID	AS, Pb	OCP												500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS FET	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-1	15.6.23	S	}																					✓	SOIL
2	9 S-2	↓	↓	}	C1	✓	✓																		✓	↓
3	9 S-3	↓	↓	}																					✓	↓
4	9 S-4	↓	↓	}																					✓	↓
5	9 S-5	↓	↓	}																					✓	↓
6	9 S-6	↓	↓	}	C2	✓	✓																		✓	↓
7	9 S-7	↓	↓	}																					✓	↓
8	9 S-8	↓	↓	}																					✓	↓
9	9 S-9	↓	↓	}																					✓	↓
10	9 S-10	↓	↓	}	C3	✓	✓																		✓	↓
			Total Counts																							

Method of Shipment	[x] Courier (#)	[ ] Hand Delivered	[ ] Postal	Name: ROB LAIRD	Signature: [signature]	Date	Time
Eurofins | mgt Laboratory Use Only	Received By: Brantmie	(SYD) | BNE | MEL | PER | ADL | NTL | DRW	Signature: [signature]	Date: 21/6	Time: 9:50	Temperature: 7.6	
	Received By	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	Date	Time	Report №	

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] Sydney Laboratory — Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066 — 02 9900 8400 — EnviroSampleNSW@eurofins.com
- [ ] Brisbane Laboratory — Unit 1 21 Smallwood Place Murarrie QLD 4172 — 07 3902 4600 — EnviroSampleQLD@eurofins.com
- [ ] Perth Laboratory — Unit 2 91 Leach Highway Kewdale WA 6105 — 08 9251 9600 — EnviroSampleWA@eurofins.com
- [ ] Melbourne Laboratory — 2 Kingston Town Close Oakleigh VIC 3166 — 03 8564 5000 — EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A Marina Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone No	0402608398
Special Directions	
Purchase Order	~~2223~~ 2021-71
Quote ID No	Earth Water Consulting
Project No	~~2223~~ 2021-71
Project Name	9 GAUDRONS RD
Project Manager	STRIDER
EDD Format	
Sampler(s)	RL
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Analyses: Where metals are requested please specify "Total" or "Filtered". BTEX suite must be used to attract suite pricing.

No	Client Sample ID	Sampled Date/Time	Matrix Solid (S) Water (W)	COMPOSITE	COMP ID	As, Pb	OCP	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS PET	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-11	15.6.23	S	}	C3	✓	✓							✓	
2	9 S-12	↓	↓	}										✓	
3	9 S-13	↓	↓	}										✓	
4	9 S-14	↓	↓	}	C4	✓	✓							✓	
5	9 S-15	↓	↓	}										✓	
6	9 S-16	↓	↓	}										✓	
7	9 S-17	↓	↓	}										✓	
8	9 S-18	↓	↓	}	C5	✓	✓							✓	
9	9 S-19	↓	↓	}										✓	
10	9 S-20	↓	↓	}										✓	
			Total Counts												

Containers: Change container type & size if necessary

Required Turnaround Time (Default will be 5 days if not ticked) — ♦Surcharge will apply

- [ ] Overnight (reporting by 9am)♦
- [ ] Same day♦
- [ ] 1 day♦
- [ ] 2 days♦
- [ ] 3 days♦
- [x] 5 days (Standard)
- [ ] Other ( )

Method of Shipment	☐ Courier (#)	☐ Hand Delivered	☐ Postal	Name	ROB LAIRD	Signature	[signature]
				Date		Time	
Eurofins | mgt Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	Time	Temperature
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	Time	Report No

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] **Sydney Laboratory** Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2066 02 9900 8400 EnviroSampleNSW@eurofins.com
- [ ] **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com
- [ ] **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com
- [ ] **Melbourne Laboratory** 2 Kingston Town Close Oakleigh VIC 3166 03 8564 5000 EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A Marina Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0402608396
Special Directions	
Purchase Order	~~2223~~ 2021-71
Quote ID №	Earth Water Consulting

Project №	~~2223~~ 2021-71
Project Name	9 GANDRONS RD
Project Manager	STRIDER
EDD Format (ESdat, EQuIS, Split)	
Sampler(s)	[signature]
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Analyses: Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to attract SUITE pricing.

Containers: Change container type & size if necessary.

Required Turnaround Time: Default will be 5 days if not ticked. ♦Surcharge will apply

- [ ] Overnight (reporting by 9am)♦
- [ ] Same day♦
- [ ] 1 day♦
- [ ] 2 days♦
- [ ] 3 days♦
- [x] 5 days (Standard)
- [ ] Other( )

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	COMPOSITE	COMP ID	AS, Pb	OCP	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS PET	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-21	15.6.23	S	}										✓	
2	9 S-22	↓	↓	}	C6	✓	✓							✓	
3	9 S-23	↓	↓	}										✓	
4	9 S-24	↓	↓	}										✓	
5	9 S-25	↓	↓	}										✓	
6	9 S-26	↓	↓	}	C7	✓	✓							✓	
7	9 S-27	↓	↓	}										✓	
8	9 S-28	↓	↓	}										✓	
9	9 S-29	↓	↓	}	C8	✓	✓							✓	
10	9 S-30	↓	↓	}										✓	
			Total Counts												

Method of Shipment	[x] Courier (#)	[ ] Hand Delivered	[ ] Postal	Name	ROB LAIRD	Signature	[signature]	Date		Time	
Eurofins | mgt Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	

Eurofins Environment Testing Australia Pty Ltd trading as Eurofins | mgt

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CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] **Sydney Laboratory** — Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2066 — 02 9900 8400 — EnviroSampleNSW@eurofins.com
- [ ] **Brisbane Laboratory** — Unit 1 21 Smallwood Place Murarrie QLD 4172 — 07 3902 4600 — EnviroSampleQLD@eurofins.com
- [ ] **Perth Laboratory** — Unit 2 91 Leach Highway Kewdale WA 6105 — 08 9251 9600 — EnviroSampleWA@eurofins.com
- [ ] **Melbourne Laboratory** — 2 Kingston Town Close Oakleigh VIC 3166 — 03 8564 5000 — EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A Marina Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0402608396
Special Directions	
Purchase Order	~~2223~~ 2021 – 71
Quote ID №	Earth Water Consulting
Project №	~~2223~~ 2021 – 71
Project Name	9 GANDRONS RD
Project Manager	STRIDER
EDD Format (ESdat, EQuIS, etc)	
Sampler(s)	U
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Analyses: Where metals are requested, please specify "Total" or "Filtered". SUITE codes must be used to attract SUITE pricing.

Containers: Change container type & size if necessary.

Required Turnaround Time (Default will be 5 days if not ticked) — *Surcharge will apply
- [ ] Overnight (reporting by 9am)*
- [ ] Same day*
- [ ] 1 day*
- [ ] 2 days*
- [ ] 3 days*
- [x] 5 days (Standard)
- [ ] Other ( )

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Comp	Comp ID	As, Pb	OCP	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS Pot	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-31	15.6.23	S	}	C8	✓	✓							✓	
2	9 S-32	↓	↓	}										✓	
3	9 S-33			}										✓	
4	9 S-34			}	C9	✓	✓							✓	
5	9 S-35			}										✓	
6	9 S-36			}										✓	
7	9 S-37			}										✓	
8	9 S-38			}	C10	✓	✓							✓	
9	9 S-39			}										✓	
10	9 S-40	↓	↓	}										✓	
	Total Counts														

Method of Shipment	[ ] Courier (#)	[ ] Hand Delivered	[ ] Postal	Name	ROB LAIRD	Signature	[signature]	Date		Time	

Eurofins | mgt Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	

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CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] Sydney Laboratory — Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066 — 02 9900 8400 — EnviroSampleNSW@eurofins.com
- [ ] Brisbane Laboratory — Unit 1 21 Smallwood Place Murarrie QLD 4172 — 07 3902 4600 — EnviroSampleQLD@eurofins.com
- [ ] Perth Laboratory — Unit 2 91 Leach Highway Kewdale WA 6105 — 08 9251 9600 — EnviroSampleWA@eurofins.com
- [ ] Melbourne Laboratory — 2 Kingston Town Close Oakleigh VIC 3166 — 03 8564 5000 — EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A MArina Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0402608396
Special Directions	
Purchase Order	~~2223-~~ 2021-71
Quote ID №	Earth Water Consulting
Project №	~~2223-~~ 2021-71
Project Name	9 GANDRONS RD
Project Manager	STRIDER
EDD Format	
Sampler(s)	[signature]
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Required Turnaround Time (Default will be 5 days if not ticked) — *Surcharge will apply
- [ ] Overnight (reporting by 9am)*
- [ ] Same day*
- [ ] 1 day*
- [ ] 2 days*
- [ ] 3 days*
- [x] 5 days (Standard)
- [ ] Other ( )

Analyses: COMPOSITE; COMP ID; As, Pb; OCP

Containers: 500mL Plastic; 250mL Plastic; 125mL Plastic; 200mL Amber Glass; 40mL Vial; 500mL PFAS Pot; Jar (Glass or HDPE)

№	Client Sample ID	Sampled Date/Time	Matrix	COMPOSITE	COMP ID	As, Pb	OCP	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-41	15.6.25	S	}				✓	
2	9 S-42	↓	↓	}	C11	✓	✓	✓	
3	9 S-43	↓	↓	}				✓	
4	9 S-44	↓	↓	}				✓	
5	9 Q-1	↓	↓	}				✓	
6	9 Q-2	↓	↓	}	C12	✓	✓	✓	
7	9 Q-3	↓	↓	}				✓	
8	9 Q-4	↓	↓	}				✓	
9	9 Q-5	↓	↓	}	C13	✓	✓	✓	
10	9 Q-6	↓	↓	}				✓	
	Total Counts								

Method of Shipment: [x] Courier (#) [ ] Hand Delivered [ ] Postal — Name: ROB LAIRD — Signature: [signature] — Date: — Time:

Eurofins | mgt Laboratory Use Only — Received By: SYD | BNE | MEL | PER | ADL | NTL | DRW — Signature — Date — Time — Temperature
Received By: SYD | BNE | MEL | PER | ADL | NTL | DRW — Signature — Date — Time — Report №

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- ☑ **Sydney Laboratory** Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066 · 02 9900 8400 · EnviroSampleNSW@eurofins.com
- ☐ **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 · 07 3902 4600 · EnviroSampleQLD@eurofins.com
- ☐ **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 · 08 9251 9600 · EnviroSampleWA@eurofins.com
- ☐ **Melbourne Laboratory** 2 Kingston Town Close Oakleigh VIC 3166 · 03 8564 5000 · EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited	Project №	~~2223~~ 2021-71	Project Manager	STRIDER
Address	Unit 6 / 1A Marina Crescent, Urunga NSW 2455	Project Name	9 GAUDRONS RD	EDD Format	
Contact Name	Strider Duerinckx			Sampler(s)	U
Phone №	0402608396			Handed over by	
Special Directions				Email for Invoice	strider@ewcon.com.au
Purchase Order	~~2223~~ 2021-71			Email for Results	strider@ewcon.com.au
Quote ID №	Earth Water Consulting				

Required Turnaround Time (*Surcharge will apply)

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

№	Client Sample ID	Sampled Date/Time	Matrix	COMPOSITE	COMP ID	As/Pb	OCP	TRH/BTEX/PAH (B4)	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 Q-7	15.6.23	S	}	C15	✓	✓								✓	
2	9 Q-8	↓	↓	}											✓	
3	9 Q-45	↓	↓			✓	✓								✓	
4	9 S-45	↓	↓			✓	✓								✓	
5	9 Q-46	↓	↓			✓	✓	✓							✓	
6	9 S-46	↓	↓			✓	✓	✓							✓	
7	9 Q-47	↓	↓			✓	✓								✓	
8	9 S-47	↓	↓			✓	✓								✓	
9	9 S-48	↓	↓			✓	✓	✓							✓	
10	9 S-49	↓	↓			✓	✓								✓	
	Total Counts															

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal · Name: ROS LAIRD · Signature: [signature] · Date: · Time:

Eurofins | mgt Laboratory Use Only: Received By · SYD | BNE | MEL | PER | ADL | NTL | DRW · Signature · Date · Time · Temperature
Received By · SYD | BNE | MEL | PER | ADL | NTL | DRW · Signature · Date · Time · Report No

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] **Sydney Laboratory** Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066 02 9900 8400 EnviroSampleNSW@eurofins.com
- [ ] **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com
- [ ] **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com
- [ ] **Melbourne Laboratory** 2 Kingston Town Close Oakleigh VIC 3166 03 8564 5000 EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited	Project №	~~2223~~ 2021-71	Project Manager	STRIDER
Address	Unit 6 / 1A Marina Crescent, Urunga NSW 2455	Project Name	9 GAUDRONS LD	EDD Format	
Contact Name	Strider Duerinckx			Sampler(s)	[signature]
Phone №	0402608396			Handed over by	
Special Directions				Email for Invoice	strider@ewcon.com.au
Purchase Order	~~2223~~ 2021-71			Email for Results	strider@ewcon.com.au
Quote ID №	Earth Water Consulting				

Required Turnaround Time (Default will be 5 days if not ticked; *Surcharge will apply):
- [ ] Overnight (reporting by 9am)*
- [ ] Same day*
- [ ] 1 day*
- [ ] 2 days*
- [ ] 3 days*
- [x] 5 days (Standard)
- [ ] Other ( )

№	Client Sample ID	Sampled Date/Time	Matrix	As, Pb	OCP	TRH / BTEX / PAH (by)	1L Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-50	15.6.23	S	✓	✓								✓	
2	9 S-51			✓	✓								✓	
3	9 S-52			✓	✓	✓							✓	
4	9 S-53			✓	✓								✓	
5	9 S-54			✓	✓								✓	
6	9 S-55			✓	✓	✓							✓	
7	9 S-56			✓	✓								✓	
8	9 S-57			✓	✓								✓	
9	9 S-58 0-150	19.6.23		✓	✓								✓	
10	9 S-58 500-650	19.6.23		✓	✓								✓	
	Total Counts													

Method of Shipment: [x] Courier (#) [ ] Hand Delivered [ ] Postal | Name: ROD LAIRD | Signature: [signature] | Date: | Time:

Eurofins | mgt Laboratory Use Only	Received By	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	Date	Time	Temperature
	Received By	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	Date	Time	Report №

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] Sydney Laboratory — Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066, 02 9900 8400, EnviroSampleNSW@eurofins.com
- [ ] Brisbane Laboratory — Unit 1 21 Smallwood Place Murarrie QLD 4172, 07 3902 4600, EnviroSampleQLD@eurofins.com
- [ ] Perth Laboratory — Unit 2 91 Leach Highway Kewdale WA 6105, 08 9251 9600, EnviroSampleWA@eurofins.com
- [ ] Melbourne Laboratory — 2 Kingston Town Close Oakleigh VIC 3166, 03 8564 5000, EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A Mavis Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0402608396
Special Directions	
Purchase Order	~~2223~~ 2021-71
Quote ID №	Earth Water Consulting
Project №	~~2223~~ 2021-71
Project Name	9 GANDRONS RD
Project Manager	STRIDER
EDD Format	
Sampler(s)	RL
Handed over by	
Email for Invoice	strider@ewccn.com.au
Email for Results	strider@ewccn.com.au

Required Turnaround Time (*Surcharges will apply):
- [ ] Overnight (reporting by 9am)*
- [ ] Same day*
- [ ] 1 day*
- [ ] 2 days*
- [ ] 3 days*
- [x] 5 days (Standard)
- [ ] Other ( )

Analyses: As, Pb | OCP | OCP/OPP (B14)

Containers: 500mL Plastic | 250mL Plastic | 125mL Plastic | 200mL Amber Glass | 40mL Vial | 500mL PFAS Bottle | Jar (Glass or HDPE)

№	Client Sample ID	Sampled Date/Time	Matrix	As, Pb	OCP	OCP/OPP (B14)	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-59 0-150	19.6.23	S	✓	✓		✓	
2	9 S-59 800-950	↓	↓	✓	✓		✓	
3	9 S-60 0-150	↓	↓	✓	✓		✓	
4	9 S-60 850-1000	↓	↓	✓	✓		✓	
5	9 S-61	↓	↓	✓	✓		✓	
6	9 S-62	↓	↓	✓		✓	✓	
7	9 S-63	↓	↓	✓		✓	✓	
8	9 S-64	↓	↓	✓	✓		✓	
9	9 S-65	↓	↓	✓	✓		✓	
10	9 S-66	↓	↓	✓	✓		✓	
	Total Counts							

Method of Shipment: [x] Courier (#) [ ] Hand Delivered [ ] Postal — Name: ROB LAIRD — Signature: [signature] — Date — Time

Eurofins | mgt Laboratory Use Only: Received By — SYD | BNE | MEL | PER | ADL | NTL | DRW — Signature — Date — Time — Temperature; Received By — SYD | BNE | MEL | PER | ADL | NTL | DRW — Signature — Date — Time — Report №

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CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] **Sydney Laboratory** Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066 · 02 9900 8400 · EnviroSampleNSW@eurofins.com
- [ ] **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 · 07 3902 4600 · EnviroSampleQLD@eurofins.com
- [ ] **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 · 08 9251 9600 · EnviroSampleWA@eurofins.com
- [ ] **Melbourne Laboratory** 2 Kingston Town Close Oakleigh VIC 3166 · 03 8564 5000 · EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A MAdra Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0432608396
Special Directions	
Purchase Order	~~2223~~ 2021-71
Quote ID №	Earth Water Consulting
Project №	~~2223~~ 2021-71
Project Name	9 GANDLONS RD
Project Manager	STRIDER
EDD Format	
Sampler(s)	RL
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Required Turnaround Time (Default will be 5 days if not ticked) — *Surcharge will apply

- [ ] Overnight (reporting by 9am)*
- [ ] Same day*
- [ ] 1 day*
- [ ] 2 days*
- [ ] 3 days*
- [x] 5 days (Standard)
- [ ] Other ( )

№	Client Sample ID	Sampled Date/Time	Matrix (Solid (S) Water (W))	COMPOSITE	COMP ID	As, Pb	OCP	OCP/OPP (B14)	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS Pot	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	9 S-67	19.6.23	S			✓	✓								✓	
2	9 S-68	"	S			✓		✓							✓	
3	9 S-69	"	S			✓	✓								✓	
4	9 S-70	"	S			✓		✓							✓	
5	148 S-1	"	S	}											✓	
6	148 S-2	"	S	}	C14	✓	✓								✓	
7	148 S-3	"	S	}											✓	
8	148 S-4	"	S	}											✓	
9	148 S-5	"	S	}	C15	✓	✓								✓	
10	148 S-6	"	S	}											✓	
	Total Counts															

Method of Shipment	[x] Courier (#)	[ ] Hand Delivered	[ ] Postal	Name: LOG CARD	Signature: [signature]	Date	Time

Eurofins | mgt Laboratory Use Only	Received By	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	Date	Time	Temperature
	Received By	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	Date	Time	Report №

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

☑ Sydney Laboratory
Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066
02 9900 8400 EnviroSampleNSW@eurofins.com

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

☐ Perth Laboratory
Unit 2 91 Leach Highway Kewdale WA 6105
08 9251 9600 EnviroSampleWA@eurofins.com

☐ Melbourne Laboratory
2 Kingston Town Close Oakleigh VIC 3166
03 8564 5000 EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 8 / 1A MArina Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0402808396
Special Directions	
Purchase Order	~~2223~~ 2021-71
Quote ID №	Earth Water Consulting
Project №	~~2223~~ 2021-71
Project Name	9 GAUDRONS RD
Project Manager	STRIDER
EDD Format	
Sampler(s)	[signature]
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Analyses: COMPOSITE, COMP ID, As, Pb, OCP

Containers: 500mL Plastic, 250mL Plastic, 125mL Plastic, 200mL Amber Glass, 40mL Vial, 500mL Plastic PFAS, Jar (Glass or HDPE)

Required Turnaround Time (*Surcharge will apply):
☐ Overnight (reporting by 9am)*
☐ Same day* ☐ 1 day*
☐ 2 days* ☐ 3 days*
☑ 5 days (Standard)
☐ Other (

№	Client Sample ID	Sampled Date/Time	Matrix	COMPOSITE	COMP ID	As, Pb	OCP	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	148 S-7	19-6-23	S	}	C15	✓	✓	✓	
2	148 S-8	↓	↓	}				✓	
3	148 S-9	↓	↓	}				✓	
4	148 S-10	↓	↓	}	C16	✓	✓	✓	
5	148 S-11	↓	↓	}				✓	
6	148 S-12	↓	↓	}				✓	
7	148 S-13	↓	↓	}				✓	
8	148 S-14	↓	↓	}	C17	✓	✓	✓	
9	148 S-15	↓	↓	}				✓	
10	148 S-16	↓	↓	}				✓	
	Total Counts								

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal | Name: ROB LAIRD | Signature: [signature] | Date | Time

Eurofins | mgt Laboratory Use Only: Received By — SYD | BNE | MEL | PER | ADL | NTL | DRW — Signature — Date — Time — Temperature
Received By — SYD | BNE | MEL | PER | ADL | NTL | DRW — Signature — Date — Time — Report №

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] **Sydney Laboratory** Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2066 02 9900 8400 EnviroSampleNSW@eurofins.com
- [ ] **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com
- [ ] **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com
- [ ] **Melbourne Laboratory** 2 Kingston Town Close Oakleigh VIC 3166 03 8564 5000 EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited	Project №	~~2223~~ 2021-71	Project Manager	STRIDER
Address	Unit 6 / 1A MArina Crescent, Urunga NSW 2455	Project Name	9 GANDRONS RD	EDD Format	
Contact Name	Strider Duerinckx			Sampler(s)	LL
Phone №	0402806396			Handed over by	
Special Directions				Email for Invoice	strider@ewcon.com.au
Purchase Order	~~2223~~ 2021-71			Email for Results	strider@ewcon.com.au
Quote ID №	Earth Water Consulting				

Analyses (Where metals are requested, please specify "Total" or "Filtered". Suites must be used to attract suite pricing)

Containers: 500mL Plastic, 250mL Plastic, 125mL Plastic, 200mL Amber Glass, 40mL Vial, 500mL PFAS Bottle, Jar (Glass or HDPE)

Required Turnaround Time (Default will be 5 days if not ticked) *Surcharge will apply
- [ ] Overnight (reporting by 9am)*
- [ ] Same day*
- [ ] 1 day*
- [ ] 2 days*
- [ ] 3 days*
- [x] 5 days (Standard)
- [ ] Other( )

№	Client Sample ID	Sampled Date/Time (dd/mm/yy hh:mm)	Matrix (Solid (S) Water (W))	COMPOSITE	COMP ID	As/Pb	OCP	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL Vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	148 S-17	19.6.23	S	}										✓	
2	148 S-18	↓	↓	}	C18	✓	✓							✓	
3	148 S-19	↓	↓	}										✓	
4	148 S-20	↓	↓	}										✓	
5	148 S-21	↓	↓	}										✓	
6	148 S-22	↓	↓	}	C19	✓	✓							✓	
7	148 S-23	↓	↓	}										✓	
8	148 S-24	↓	↓	}										✓	
9	148 S-25	↓	↓	}	C20	✓	✓							✓	
10	148 S-26	↓	↓	}										✓	
			Total Counts												

Method of Shipment	[x] Courier (#)	[ ] Hand Delivered	[ ] Postal	Name	ROB LAIRD	Signature	[signature]	Date	Time
Eurofins | mgt Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time	Temperature
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time	Report №

Eurofins Environment Testing Australia Pty Ltd trading as Eurofins | mgt

CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 50 005 085 521

- [x] **Sydney Laboratory** — Unit F3 Bld F 16 Mars Road Lane Cove West NSW 2066 — 02 9900 8400 — EnviroSampleNSW@eurofins.com
- [ ] **Brisbane Laboratory** — Unit 1 21 Smallwood Place Murarrie QLD 4172 — 07 3902 4600 — EnviroSampleQLD@eurofins.com
- [ ] **Perth Laboratory** — Unit 2 91 Leach Highway Kewdale WA 6105 — 08 9251 9600 — EnviroSampleWA@eurofins.com
- [ ] **Melbourne Laboratory** — 2 Kingston Town Close Oakleigh VIC 3166 — 03 8564 5000 — EnviroSampleVic@eurofins.com

Company	Earth Water Consulting Pty Limited
Address	Unit 6 / 1A Mārina Crescent, Urunga NSW 2455
Contact Name	Strider Duerinckx
Phone №	0402608356
Special Directions	
Purchase Order	~~2223-~~ 2021-71
Quote ID №	Earth Water Consulting
Project №	~~2223-~~ 2021-71
Project Name	9 GAUDRONS RD
Project Manager	STRIDER
EDD Format	
Sampler(s)	[signature]
Handed over by	
Email for Invoice	strider@ewcon.com.au
Email for Results	strider@ewcon.com.au

Analyses: [illegible]

Containers: 500mL Plastic, 250mL Plastic, 125mL Plastic, 200mL Amber Glass, 40mL Vial, 500mL PFAS Bottle, Jar (Glass or HDPE)

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

•Surcharge will apply

- [ ] Overnight (reporting by 9am)•
- [ ] Same day•
- [ ] 1 day•
- [ ] 2 days•
- [ ] 3 days•
- [x] 5 days (Standard)
- [ ] Other( )

№	Client Sample ID	Sampled Date/Time	Matrix	COMPOSITE	COMP ID	As, Pb	OCP	Jar (Glass or HDPE)	Sample Comments / Dangerous Goods Hazard Warning
1	148 S-27	19.6.23	S	}	C20	✓	✓	✓	
2	148 S-28	〃	〃	}				✓	
3	148 S-29	〃	〃	}				✓	
4	148 S-30	〃	〃	}	C21	✓	✓	✓	
5	148 S-31	〃	〃	}				✓	
6	148 S-32	〃	〃	}				✓	
7									
8									
9									
10									
			Total Counts						

Method of Shipment: [x] Courier (#) [ ] Hand Delivered [ ] Postal — Name: ROB LAIRD — Signature: [signature] — Date: — Time: