REPORT

Settlement Shores Estate

Canal Maintenance Plan
Review of Environmental Factors

Client: Port Macquarie-Hastings Council

Reference: M&APA1195R004F2.0

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PORT MACQUARIE HASTINGS COUNCIL

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1 Introduction

1.1 Background

The Settlement Shores Estate is located approximately 3km to the north-west of the Port Macquarie CBD and comprises a system of artificial canals constructed along the lower reaches of the Hastings River. The canals are linked to the Hastings River by The Governors Way canal, which includes a flood control weir adjacent to the Settlement City shopping centre.

The canals themselves are classified as drainage reserves under the care and control of Council. The Settlement Shores Estate Canals are subject to a Waterway Maintenance Plan (WMP), which is linked to the titles of all properties fronting the canal area. The WMP is required under NSW legislation and addresses Council's responsibilities for the ongoing maintenance of waterway and foreshore areas including maintenance dredging.

There are a number of assets within the canals that will require ongoing maintenance over their design life as they are subjected to estuarine and flooding processes, operational wear and tear, and the passage of time. These include the canal waterway areas, flood weir, public footpaths, stormwater outlets, beach areas, rock protection, revetment walls, boat ramps, jetties, gangways and pontoons.

A Canal Maintenance Plan (CMP) has been prepared, which is to be used as a basis for planning of maintenance activities within the canal system over the next 10 years. Council's responsibility for maintenance and repair extends to the following assets:

- revetment walls fronting public property;
- beach zone beyond 2.1 metres from the face of canal revetment walls;
- canal waterway depths;
- flood control weir; and,
- stormwater outlets connected to the public drainage system.

Landowners are responsible for:

- maintenance and repair of canal assets within their property boundary that include the revetment wall and beach zone extending 2.1 metres from the face of the revetment wall;
- privately owned structures that extend into the waterway such as boat ramps, jetties, gangways, pontoons and other mooring infrastructure; and,
- maintenance of a clear access way within 5.4 metres (7.9 metres for The Governors Way) from the revetment wall where buildings, fences, trees or other obstructions are prohibited.

1.2 Review of Environmental Factors Scope

This Review of Environmental Factors (REF) covers all items detailed in the CMP. It has been prepared specifically to cover ongoing maintenance activities over a period of 10 years. The condition of infrastructure within the Settlement Shores Estate canals would need to be reviewed in 10 years' time with a revised or new REF to be prepared.

1.3 Level Datum

All reference to Reduced Level (RL) in this report is given in metres above Australian Height Datum (AHD). AHD is approximately equal to mean sea level at the Australian coastline and within the Settlement Shores Estate.

2 Proposed Works

2.1 Project Description

The scope of work is likely to include activities outlined in the Canal Maintenance Plan (RHDHV, 2016) and generally comprises maintenance dredging and maintenance works as described below.

Maintenance Dredging
The key elements of the maintenance dredging for Settlement Shores Estate canals would comprise:

- dredging of Canal 1 – The Governors Way and Canal 5 – Regatta Cove to RL -4.28 m;
- dredging all other canals to RL -2.16 m;
- dredging to provide sufficient channel width and stable underwater batter slopes; and,
- dredging to clear sedimentation from around stormwater outlets.

The area to be dredged is indicatively shown within the CMP and would require approximately 32,000 m^3 of maintenance dredging.

Maintenance Works
Maintenance activities were identified during the condition assessment undertaken for the CMP. The scope of works and activities associated with the item codes used for different infrastructure items are outlined in **Table 1**.

Table 1: Identified maintenance activities

Infrastructure Item	Item Code	Description
Boat Ramp	**BR1**	Seal cracks in boat ramp that are not causing sliding or failure of the slab.
Boat Ramp	**BR2**	Fill edges of boat ramp with mass concrete / rock protection battered to existing surface.
Boat Ramp	**BR3**	Demolish and reinstate entire boat ramp.
Boat Ramp	**BR4**	Demolish and reinstate slab section due to movement.
Boat Ramp	**BR5**	Remove oyster build-up around the edges and joins of the boat ramp.
Beach Zone	**BZ1**	Re-shape and flatten existing subgrade (shale) material, place and compact 150mm layer of rock protection and 150mm layer of clean white sand to original levels.
Beach Zone	**BZ3**	Remove vegetation / plants / shrubs / trees / rubbish / objects from the beach zone.
Drainage Outlet	**DO1**	Remove plants/ shrubs / oyster build-up from drainage outlet.
Drainage Outlet	**DO3**	Reinstate rock mattress protection at drainage outlet.
Drainage Outlet	**DO5**	Fill cracks in headwall with grout.
Jetty	**JE1**	Prop jetty and demolish existing blockwork pier, drill starter bars, and place new concrete masonry blocks. Remove propping.
Jetty	**JE2**	Prop jetty and demolish existing concrete piles and concrete footing. Form up footing and piles and pour concrete. Remove propping.
Jetty	**JE3**	Patch repair eroded concrete piers.
Jetty	**JE4**	General maintenance to the jetty inc. replacing timber decking, rusted connections etc..

Infrastructure Item	Item Code	Description
Jetty	**JE5**	Urgent maintenance to the jetty inc. replacing timber decking, rusted connections etc..
Jetty	**JE6**	Complete demolition of existing jetty and replacement with a standard aluminium jetty.
Pontoon/Gangway	**PG1**	Restraint piles are leaning, secure pontoon, remove leaning piles and replace with new piles.
Pontoon/Gangway	**PG2**	Repair worn, corroded or damaged pile guides and fastenings.
Pontoon/Gangway	**PG3**	Pontoon is tilting/listing, repair or replace floatation unit(s) to correct pontoon stability.
Pontoon/Gangway	**PG4**	General maintenance to the pontoon/gangway inc. repair of damaged decking, non-slip surfacing, handrails, rubbing strips, mooring cleats, rusted hinges/connections, rollers, transition plate.
Pontoon/Gangway	**PG5**	Urgent maintenance to the pontoon/gangway inc. repair of damaged decking, non-slip surfacing, handrails, rubbing strips, mooring cleats, rusted hinges/connections, rollers, transition plate.
Pontoon/Gangway	**PG6**	Complete demolition of existing pontoon/gangway and replacement.
Path/Public Access	**PA1**	Re-construct public access, concrete path.
Rock Protection	**RP1**	Replace large rock protection.
Revetment Wall	**RW1**	Demolish existing wall and construct new wall in location.
Revetment Wall	**RW2**	Render chipped sections of wall with grout.
Revetment Wall	**RW5**	Excavate behind wall and replace with geotextile and drainage material. Compact and fill.

2.2 Methodology

Dredging

The dredging would be undertaken with a small Cutter Suction Dredger (CSD). Dredged material would be pumped from the dredge via a discharge pipeline to a hydrocyclone situated on a barge or on the foreshore. The hydrocyclone would separate sand from the fine material. Suitable sandy material would be discharged from the hydrocylone via a pipeline directly onto the canal foreshore to nourish beach areas, stabilise the revetment walls and restore the design canal profile. Small excavation equipment such as 'Bobcats' or front-end loaders might be required to assist with spreading of the sand.

Maintenance Works

The required maintenance activities are relatively diverse. Materials required for the maintenance program would include, but not be limited to, the following:

- sand and soil;
- aggregate and rock;
- concrete, cement and mortar;
- vegetation, including shrubs, trees and turf;
- timber;
- geotextile fabric material; and,
- metal reinforcing, fastening and fittings.

Required machinery would include, but not be limited to, the following:

- small excavation equipment such as 'Bobcats' and excavators;
- concrete pumps and mixers;
- delivery vehicles;
- vegetation trimming equipment including saws and mulchers;
- generators;
- barge-mounted earthmoving equipment;
- floating barges;
- small work boats; and,
- soil compaction equipment.

2.3 Program and Sequencing

The CMP details a ten-year maintenance schedule (extending from 2016 to 2026) to remedy the issues identified in the condition assessment.

Priority maintenance issues are scheduled into the initial four (4) years (i.e. 2016 to 2020) and comprise maintenance dredging and other maintenance works that are required to address urgent repairs to infrastructure within the canals that have safety or environmental implications or if not addressed are likely to have significant cost implications. The maintenance dredging works are proposed to be undertaken in four (4) separate annual campaigns covering different canal areas between 2017 and 2020 as follows:

- 2017 – Canal 5, Canal 9 and Canal 10;
- 2018 to 2019 – Canal 1, Canal 6, Canal 7 and Canal 8; and,
- 2020 – Canal 2, Canal 3 and Canal 4.

A program for opportunity maintenance (i.e. defects/damage that appear to have no safety, environmental or cost implications but if not rectified could have implications in the future) is proposed to be completed between 2019 and 2022 and is subject to Council budget allocations and input from residents.

Routine maintenance activities (i.e. defects/damage that appear to have no safety, environmental or cost implications but if not rectified are likely to impact on Council's image to the residents, staff and the public) are planned to be completed every 5 years.

2.4 Need for the Proposed Works

Under NSW legislation, Council is required to prepare a Waterway Management Plan (WMP), which addresses Council's responsibilities for ongoing maintenance of waterways and foreshores including maintenance dredging. In addition, a covenant is placed on each property title, which states that individual property owners are responsible for the maintenance and repair of the revetment wall and the maintenance of a clear access way within 5.4 metres (7.9 metres for The Governors Way) from the revetment wall where buildings, fences, trees or other obstructions are prohibited. Private residents are also obliged to maintain privately owned structures and the beach zone extending 2.1 metres from the face of the revetment wall.

The works are required in accordance with the WMP and covenant placed on each property title. This document is an overarching REF, which covers a range of maintenance activities on public property undertaken by Council or facilitated by Council on private property on behalf of landowners.

A lack of maintenance within the canals would potentially pose a risk to the safety of the community. In addition, navigation within canals would become compromised if maintenance dredging activities were not undertaken. Over time, it is possible that the surrounding environment and ecology would be affected if maintenance activities were not completed.

3 Statutory Requirements

3.1 State Environmental Planning Policy (Infrastructure) 2007

Under SEPP (Infrastructure) 2007, a public authority, is allowed to carry out a range of public activities without development consent, provided appropriate consultation with all relevant government authorities and an environmental impact assessment under Part 5 of the *Environmental Planning & Assessment Act 1979* (EP&A Act) is undertaken. Clauses 68 and 129 of *SEPP Infrastructure* are applicable to the proposed dredging and potential reuse of dredged material.

Division 13 “port, wharf and boating facilities” Clause 68:

- “routine maintenance works (including dredging, or bed profile levelling, of existing navigation channels if it is for safety reasons or in connection with existing facilities).

Division 25 “waterway or foreshore management activities" Clause 129:

- “development for the purpose of waterway or foreshore management activities” including bank management, coastal management and beach nourishment.

The works described above are permitted without consent when carried out by, or on behalf of a public authority. Under SEPP (Infrastructure) 2007, the proposed dredging could be considered as maintenance works and the proposed reuse of dredged material for placement on the adjacent canal foreshore could be considered a waterway and foreshore management activity. Therefore development consent is not required.

Similarly, it is considered that the other maintenance activities proposed within the canals would also be covered by the description of activities that are permitted without consent within either Clause 68 or Clause 129 of *SEPP Infrastructure*.

3.2 NSW Planning and Approvals Process

The statutory basis for planning and environmental assessment in NSW is set out in the EP&A Act and the *Environmental Planning and Assessment Regulation 2000* (EP&A Regulation).

Part 4 of the EP&A Act sets out the development assessment requirements for those developments that require consent. Part 5 of the EP&A Act specifies the environmental impact assessment requirements for activities undertaken by or on behalf of public authorities that are permissible without development consent.

As development consent is not required for the proposed activities, the project falls under Part 5 of the EP&A Act which confers a duty on the determining authority to consider the environmental impacts of an activity and Clause 228 of the *EP&A Regulation 2000* lists factors to be taken into account.

Where it is identified that an activity under Part 5 of the EP&A Act is likely to significantly affect the environment, threatened species, populations, ecological communities or their habitats, an EIS must be prepared. On the basis of items listed under Clause 228 of the EP&A Regulation, it is considered that the proposed dredging and other maintenance activities within the canals are not likely to significantly affect the environment and an EIS is not required. Therefore, the Environmental Assessment contained herein takes the form of a REF.

3.2.1 Determining Authority

In accordance with Section 110 under Part 5 of the EP&A Act, the determining authority is defined as:

> *a Minister or public authority and, in relation to any activity, means the Minister or public authority by or on whose behalf the activity is or is to be carried out or any Minister or public authority whose approval is required in order to enable the activity to be carried out.*

Council is therefore a determining authority as the maintenance activities are to be carried out on behalf of Council. The determining authority is responsible for designating the period for which this REF is valid and applicable. The REF should be reviewed as necessary with this document forming the base of future REF's.

3.3 Other Legislation Requirements

3.3.1 State Legislation

The following regulatory approvals are applicable to the proposed maintenance dredging works:

- *Fisheries Management Act 1994* (FM Act) – Clause 201 - Permit for dredging and reclamation works from DPI Fishing and Aquaculture and Clause 205 - to cut, remove, damage or destroy marine vegetation. However, the *Policy and Guidelines for Fish Habitat Conservation and Management* (Fisheries NSW, 2013) state that in order to reduce red tape for individuals wanting to undertake works in modified waterways, such as canal estates, these waterways are not captured by the definition of key fish habitat, thereby removing the need to adhere to the policies and guidelines. As such, permits are not required under the FM Act for the proposed dredging and other maintenance activities within the Settlement Shores Estate canals.
- Environment Protection Licence (EPL) under Section 43 for a scheduled activity under the *Protection of the Environment Operations Act 1997 (POEO Act)* is only required for maintenance dredging involving extraction of more than 30,000m^3 of material in one year. Maintenance dredging would involve extraction of more than 30,000 m^3 of material overall. However, the maintenance dredging program is proposed to be undertaken over several years in separate smaller campaigns. As such, the dredging program is considered to be a non-scheduled activity and an EPL would not be required.

  However, Council may choose to apply for a licence to control the carrying out of non-scheduled activities for the purpose of regulating water pollution.
- Under the *Water Management Act 2000* (WM Act) an approval is required to undertake controlled activities on waterfront land, unless that activity is otherwise exempt. Controlled activities include excavating or depositing material on waterfront land (within 40 metres of a waterway). *Water Management (General) Regulation 2011* sets out a number of exemptions in relation to controlled activities. Under the regulation, a public authority does not need to obtain a controlled activity approval for any controlled activities that it carries out in, on or under waterfront land. Council therefore does not need to seek controlled activity approval for the proposed dredging and other maintenance activities.
- Under *SEPP No 62 – Sustainable Aquaculture,* a determining authority must consider whether a development application would have an adverse effect on oyster aquaculture development or a priority oyster aquaculture area. The closest priority oyster aquaculture area to Settlement Shores Estate is on the opposite side of the Hastings River to the canal system entrance and approximately 200 m upstream. Increased turbidity could have an adverse effect on oyster

aquaculture areas. However, provided the mitigation measures outlined herein (refer **Section 6.3**) are adopted, the increase in turbidity caused by dredging, placement of sand or any other maintenance activity is expected to be insignificant and within the limits of natural variability at any priority oyster aquaculture area.

3.3.2 Commonwealth Legislation

The *Environment Protection and Biodiversity Conservation Act* 1999 (EPBC Act) requires that proposals for development or "actions" that have, will have, or are likely to have a significant impact on any matter of national environmental significance are to be referred to the Commonwealth Environment Minister for consideration and approval.

The EPBC Act identifies the following matters of national environmental significance:

- world heritage;
- national heritage;
- wetlands of international importance;
- listed threatened species and communities;
- listed migratory species;
- protection of the environment from nuclear actions; and,
- marine environment.

The proposed dredging and other maintenance activities would not have a significant impact on any of the above. Therefore, referral to the Minister for approval is not required.

4 Consultation

Consultation with canal residents has been undertaken by Council throughout the development of the CMP. This has included community mail outs providing information about CMP investigation activities (including the asset inspection), face-to-face meetings with residents and Council's 'PMHC Listening' website to engage with the community.

Residents were provided with a Fact Sheet outlining the findings of CMP investigations, including key maintenance issues identified from the asset inspections, and were invited to comment on the prioritisation of maintenance actions through completion of a survey form or an online survey available on the PMHC Listening website. Feedback from the survey was used to prioritise maintenance actions and develop a 10-year schedule of maintenance activities.

The CMP will be placed on public exhibition for review and comment by the community and further consultation will be undertaken by Council to discuss possible funding mechanisms for the maintenance program.

Council have been involved in the development of the CMP through the project review process and have provided input into the selection and prioritisation of maintenance actions and associated scheduling over the 10-year maintenance program.

5 Existing Environment

5.1 Tenure, Land Use and Zoning

5.1.1 Tenure

The waterway itself, outside the property boundary, is vested in the Council, and the Council has accepted responsibility for maintaining the waterways and flood structures.

A revetment wall is constructed along the length of the canals. The common boundary of each allotment and the canals is 2.1 metres below (seaward of) the outer face of the revetment wall. Landowners are responsible for the maintenance and repair of the revetment wall, the adjacent beach zone and private boating structures.

All work within the canals is to be approved by Council. Work requiring approval includes, but is not limited to:

- construction of boat ramps, jetties, gangways and pontoons;
- erection of mooring poles;
- restoration of the beach zone; and,
- restoration of revetment walls.

5.1.2 Site History and Site Use

The total area of Settlement Shores Estate is about 175 hectares. The site is level and for the most part was originally used for farming and grazing. The area was one of the first parts of Port Macquarie to be settled and farmed. Work was initially undertaken by convicts since the town was established as a convict jail (McIllawain and Boys).

The site is bordered to both the east and the west by wide tidal reaches of the Hastings River estuary. Development of Settlement Shores Estate was undertaken with the aim of creating a high-quality residential area taking full advantage of its attractive riverside position and close proximity to the growing resort centre of Port Macquarie.

The development was implemented in two major stages. Stage A was completed in the 1970's and consisted mainly of detached housing on the southern half of the site nearest to Port Macquarie town centre. The second stage, based around wider curved waterways, was developed with the potential to incorporate a variety of uses including resort accommodation, commercial and retail areas and waterfront entertainment areas surrounding large-scale harbours capable of handling various types of watercraft.

5.1.3 Zoning

The land in the vicinity of Settlement Shores Estate is zoned as ‘General Residential’, with the following exceptions:

- the land either side of the upstream end of Canal 1 – The Governors Way is zoned ‘Public Recreation’;
- a parcel of land at the end of Canal 8 – Settlement City Canal is zoned ‘Public Recreation’;
- Settlement City Shopping Centre and Port Macquarie Panthers is zoned ‘Commercial Core’; and,
- land adjoining Canal 1 – The Governors Way, downstream of Park Street bridge, is zoned ‘Environmental Conservation’.

The area zoned 'General Residential' comprises predominantly residential housing blocks. A number of Council access easements have been created within the residential precinct to allow access to the foreshore areas.

Recreational land includes foreshore parklands and vegetated reserves.

Land to the north of Settlement Shores Estate includes further residential allotments and canal networks. Land to the south of the site includes land zoned as 'General Residential', 'High Density Residential' and 'Business Development'. Land to the west of the site primarily comprises 'Public Recreation' and consists of a sports complex.

5.2 Shoreline Morphology and Bathymetry

Settlement Shores Estate is an artificial waterway. The design elevation of the canal bed varies between approximately RL -2.2m and RL -4.3m with a beach slope of 1V:7H (vertical:horizontal) adjacent to the canal revetment wall and an underwater slope of 1V:3H below around -0.65m AHD. The bed of the central portion of the canal is designed to be relatively level.

The foreshore edge within the canals is generally defined by a precast concrete revetment wall or a concrete capping beam on an asbestos cement sheetpile wall. The embankment slope landward of the revetment wall is generally designed at 1V:4.5H.

Beach armouring seaward of the revetment is designed to comprise a rock protection blanket consisting of river gravel or crushed rock graded evenly in size from 20mm to 100mm maximum. The rock protection was originally designed to be covered with a layer of sand. The revetment walls rely on passive toe support from material placed seaward of the walls for their stability. The level of the beach was designed to be 150mm below the crest of the revetment wall.

The existing canal beach areas are armoured at selected locations, which are typically around bends in the canal alignment or in areas that are subjected to high flows during flood events, such as along Canal 1 – The Governors Way. Beach armouring has also been implemented in other areas of the canals, possibly by residents who have sought to improve the stability of their beach areas (and revetment walls) with the placement of cobble-sized rock. Sandy canal beach areas are generally depleted to levels below the original canal design levels with material being deposited on the bed of the central portion of the canals, which is typically at levels above the original canal design levels.

Dredging is one way to restore navigation depths within the canals and nourish nearby canal beach areas. Alternatively, cobble-sized rock can be placed over canal beach areas to provide a more stable beach profile in areas were maintenance of sandy beach areas has been problematic due to ongoing erosion.

5.3 Coastal Processes

5.3.1 Wind Climate

Port Macquarie lies within the horse latitudes, which is a zone around 30 degrees south and north of the equator dominated by the subtropical high pressure systems, which suppresses precipitation and cloud formation, and has variable winds mixed with calm winds. Southeasterly trade winds occur to the north and westerly trade winds occur to the south.

The Bureau of Meteorology (BoM, 2016) provides wind records and wind roses for a number of locations throughout NSW. The closest monitoring station to Settlement Shores Estate is Port Macquarie Airport. **Figure** 1 and **Figure 2** depict the wind roses for Port Macquarie Airport at 9 am and 3 pm respectively. The data used to generate the plots was obtained between 26 Jul 1995 to 30 Sep 2010. The wind roses indicate generally light breezes and a high proportion of thermal breezes, which form due to temperature differential between the land and the sea. Thermal breezes typically blow from the northeast in the afternoon, when the land is warmed by the sun (seabreeze), and from the west overnight and early morning when the land cools.

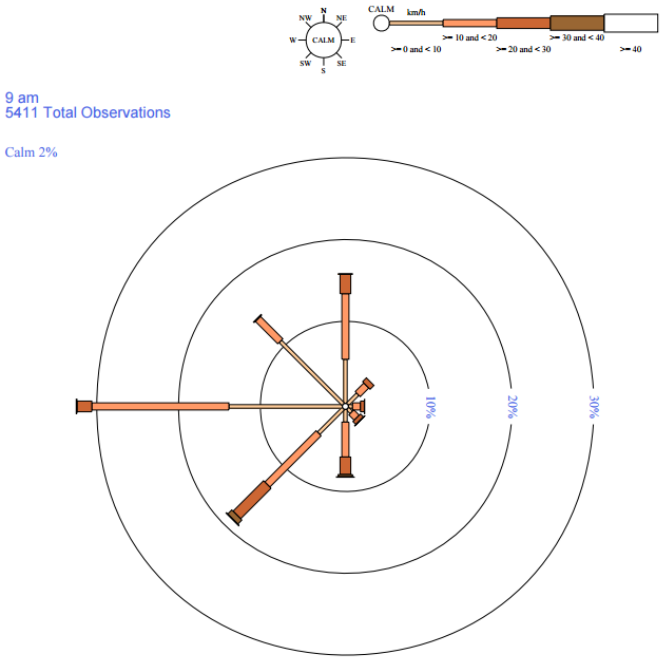

Figure 1: 9 am wind rose at Port Macquarie airport (BoM, 2016)

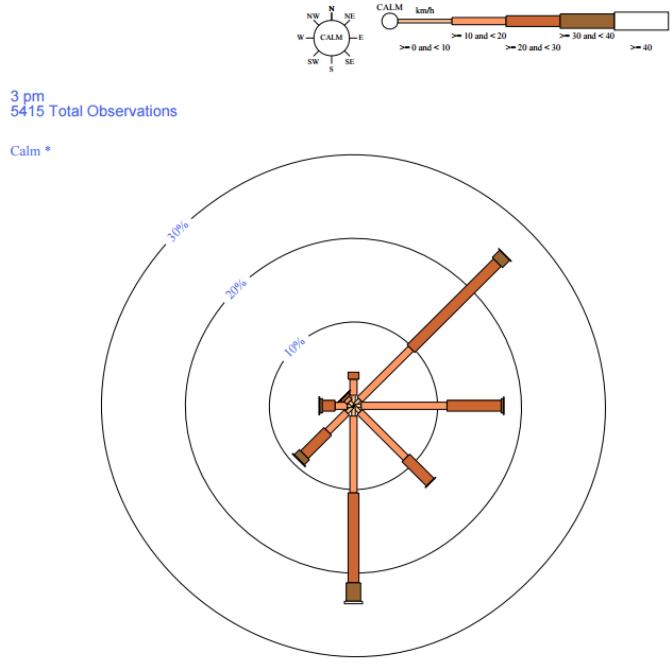

Figure 2: 3 pm wind rose at Port Macquarie airport (BoM, 2016)

The 1 hour 10 year ARI (average recurrence interval) wind speed for the design of structural members outlined in the Australian Standards is presented in **Table 2**. The wind speed is corrected for 10m above a water body, which is the standard criterion used for wind wave hindcasting.

Table 2: AS1170.2 1 Hour Design Wind Speed

Direction	1 hour Wind Speed (m/s) (10 year ARI)
	AS 1170.2[1]
N	18.0
NE	18.0
E	18.0
SE	21.4
S	20.3
SW	21.4
W	22.5
NW	21.4

5.3.2 Rainfall and Temperature

Meteorological data was sourced from the Bureau of Meteorology monitoring station at Port Macquarie Airport (BoM, 2016). Data was obtained from 1995 to 2016 and it is plotted in **Figure 3**. The data indicates that the average monthly maximum temperature ranges from 27.6°C in January (summer) to 18.7°C in July (winter) while average monthly minimum temperature ranges from 6.5°C in July (winter) to 18.7°C in January (summer). The mean yearly rainfall is 1436mm with rain generally falling on more than 100 days per year.

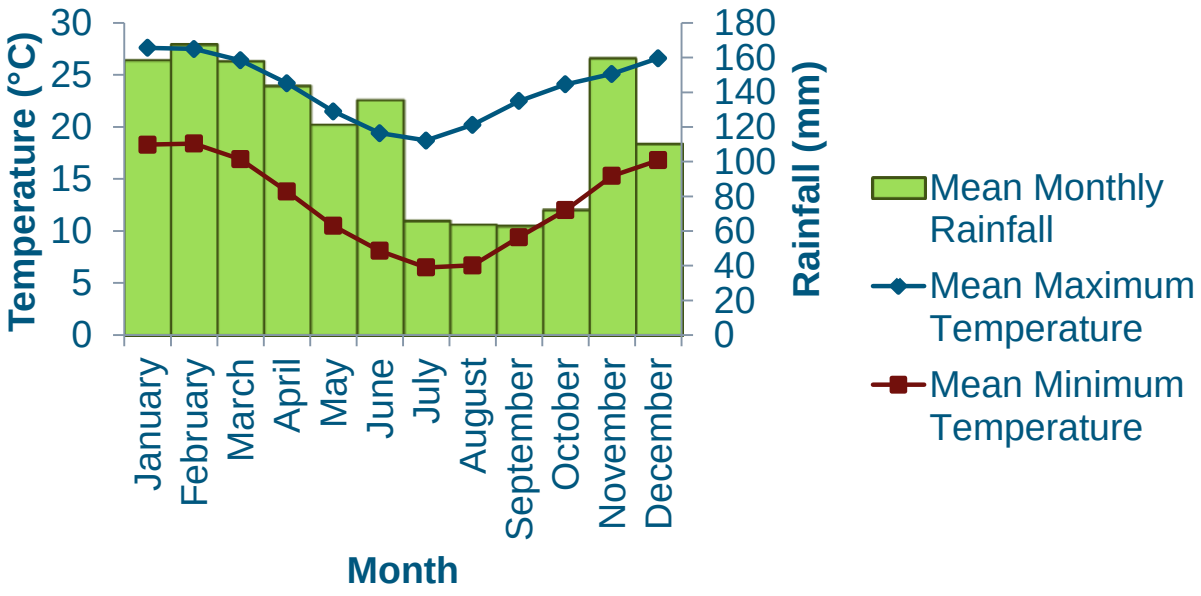

Figure 3: Mean rainfall and temperature at Port Macquarie airport (BoM, 2016)

[1] *The AS 1170.2 regional wind speeds were converted to site wind speeds as per the methodology outlined in the Standard. This involved applying wind directional multipliers for the 8 cardinal directions and then converting to 1 hour duration wind speeds using the applicable equation presented in Figure II-2-1 of Resio et al (2002). It was assumed that the terrain/height multiplier (using Terrain Category 2 and 10m height), shielding multiplier and topographic multiplier were all equal to unity.*

5.3.3 Waves

Wave action at the site is considered to be minimal. The site lies within a 4 knot zone and boat wash is expected to be less than 0.2m.

Due to the limited fetch in any one direction within the canals, wind waves would be minimal. Wind wave hindcasting using methods outlined in the Coastal Engineering Manual (USACE, 2002) have been conducted at the site. The results are presented in **Table 3**. This value is conservative as it pertains to an upper bound fetch distance over deep water, and assumes the terrain is generally flat with a few scattered obstructions, however the land surrounding the canals is occupied by residential developments.

Table 3: Wind-wave hindcasting results using methods from USACE (2002)

Fetch (m)	Fetch Direction	Wind Speed for a 10 year ARI event from Table 2 (m/s)	Significant Wave Height (m)	Peak Wave Period (sec)
850	East and West	22.5	0.4	1.6
600	North and South	20.3	0.3	1.3

5.3.4 Tidal Planes

The *OEH NSW Tidal Planes Analysis* (MHL, 2012) presents the harmonic analysis of tidal planes using data records from 1990 to 2010 for a number of locations along the NSW coast. The tidal planes for Settlement Shores Estate are best represented by the analysis for Settlement Point, on the Hastings River. The tidal planes are presented in **Table 4**. The tidal planes offshore of Port Macquarie are also presented in the table. The tidal range offshore of Port Macquarie is larger than the tidal range at Settlement Point, which indicates the entrance and lower reaches of the Hastings River constricts tidal flows.

Table 4: Tidal planes (m AHD)

Location	Port Macquarie Offshore (m AHD)	Settlement Point (m AHD)
Higher High Water	1.031	0.817
Mean High Water Springs	0.657	0.491
Mean High Water	0.517	0.397
Mean High Water Neaps	0.378	0.302
Mean Tide Level	0.001	-0.002
Mean Low Water Neaps	-0.376	-0.306
Mean Low Water	-0.515	-0.400
Mean Low Water Springs	-0.654	-0.495
Indian Spring Low Water	-0.922	-0.728

5.3.5 Extreme Water Levels

A flood study for the Hastings River was undertaken by Patterson Britton and Partners in 2006. Flood levels were determined for 20, 50, 100 and 200 year ARI flood events occurring concurrently with an

ocean water level of 2.2m AHD, which corresponds to a 20 year ARI ocean water level. The flood levels at the entrance to Settlement Shores Estate canals are presented in **Table 5**.

Sea level rise was not accounted for in the water level analysis and it would alter the Extreme Water Levels in the future.

Table 5: Predicted peak design flood level at the entrance to Settlement Shores Estate Canals (PBP, 2006)

ARI Flood Event	Flood Level (m AHD)
20	2.3
50	2.5
100	2.8
200	3.2
Probable Maximum Flood	6.2

5.3.6 Sea Level Rise Due to Climate Change

The Port Macquarie-Hastings Council Flood Policy (2015) references the previous NSW Government's Sea Level Rise Policy Statement (2009) benchmarks, which indicate an increase in mean sea level of 0.4m by 2050 and 0.9m by 2100. These are the adopted levels for sea level rise.

In addition, changes to rainfall intensity are predicted to occur as a result of climate change with modelling suggesting and increase in intensity on the Mid North Coast of NSW by up to 10% on present day levels over the next 60 years.

5.3.7 Currents

Currents through the canals due to tidal movement are expected to be minor. The location of the weir prevents tidal through-flows in the canals. As such, the volume of water flowing through the canals due to tidal fluctuations is essentially limited to the water stored within the canals.

The RMS boating map for the region (RMS, 2013) indicates that the speed limit in Settlement Shores Estate canals is 4 knots, which limits the propeller power that would produce significant propeller wash. Propeller wash at the site would not be expected to exceed 0.9m/s, 5m behind a vessel[2].

Direct currents due to rainfall runoff are expected to be minor. Localised currents would occur near the stormwater outlets. However, with the exception of some stormwater outlets at the southern extent of the site, the catchment areas for the stormwater culverts are relatively small, which reduces the flow rate at the outlet.

During a 20 year ARI flood event, the weir in the Settlement Shores Estate canals is overtopped. The Hastings River Flood Study (PBP, 2006) indicates flood velocities up to 1 m/s are expected through Canal 1 – The Governors Way. Negligible velocities are predicted in the remaining canals, which do not carry through-flow of flood waters. However, during a Probable Maximum Flood (PMF), overland flow is predicted over the entirety of Settlement Shores Estate with velocities up to 1 m/s predicted (PBP, 2006). These water velocities are not confined to the canals.

[2] *Based on 100 kw installed engine power at 10% thrust for 0.3 m diameter single propeller (Verhey, 1985).*

5.3.8 Sediment Transport

A comparison of the hydrographic survey (Astute Survey, 2016) and the original canal design profile suggests that the canal beach areas have generally eroded with sediment deposited near the central, deeper portions of the canals.

Dredging was last undertaken in 2006/2007 to restore the canals to the original canal design profile. Anecdotal evidence from discussions with residents indicates that in some canal areas the dredged sand that was pumped onto beaches during the last campaign was subsequently lost as result of heavy rainfall experience during low tides. The mechanism observed was rainfall runoff sheeting down the steep embankment behind the revetment wall and washing sand off the beach areas and into the canal waterway. Other residents have noted that waves generated from vessel wake and exposure of some canals to a wind fetch may be the cause of sediment mobility and loss from canal beach areas.

The hydrographic survey also indicates that shallow areas typically exist near stormwater outlets located at the heads of canals. As such, the deposition of sediments derived from stormwater outflows is considered to be a process contributing to reduction of navigation depths within localised areas of the canals.

5.4 Water Quality

Water quality monitoring forms part of the Settlement Shores Development Consent dated 30 November 1990. Water quality monitoring is required in the original (Stage 1 and 1A) canals and the newer (Stage 2) canals. In addition, monitoring is required in waters outside of the canal system, including the Hastings River and Back Channel.

Water quality monitoring was undertaken by RHDHV staff on the 14th December 2015 and the 23rd April 2016. The results are presented in **Table 6**. The monitoring locations included:

- 12 locations within Settlement Shores Estate canals;
- 1 location in the Hastings River, upstream of Settlement Shores Estate; and,
- 2 locations in Back Channel, downstream of Settlement Shores Estate.

At each location, hand-held water quality measurement probes were used to determine a range of water quality parameters at the surface and at the mid depth of the waterway. Freshwater inflows are expected to influence a number of the water quality parameters. The rainfall records preceding the water quality monitoring dates are presented in **Table 7**. Passing showers were experienced on 23rd April 2016.

Table 6: Results of water quality monitoring by RHDHV

Date	Water Quality Parameter	ANZECC (2000) Estuarine Trigger Values		Surface Samples			Mid-depth Samples		
		Low	High	Canal Average	Back Channel	Hastings River	Canal Average	Back Channel	Hastings River
14/12/2015	DO (% Saturation)	80	110	90.3	124.0	103.0	100.2	124.0	138.0
23/04/2016				99.7	103.0	95.0	86.0	99.0	97.0
14/12/2015	Conductivity (dS/m)			43.0	51.2	44.6	44.1	51.8	46.8
23/04/2016				47.0	51.3	45.2	48.7	50.5	46.1
14/12/2015	pH	7.0	8.5	7.9	8.1	7.3	7.9	8.2	8.0
23/04/2016				7.4	7.4	7.1	7.1	6.8	7.9
14/12/2015	Turbidity (NTU)[1]	0.5	10.0	0.4	0.0	0.7	0.3	0.0	0.6
23/04/2016				2.7	2.3	1.8	7.7	3.4	3.5
14/12/2015	Temperature (°C)			22.7	20.3	22.4	22.3	20.1	22.1
23/04/2016				24.8	25.2	24.2	25.6	25.6	24.6
23/04/2016	ORP (mV)			112.4	94.0	136.0	112.0	95.5	134.0

Note:
Calibration of water quality monitoring probe on the 14th December 2015 used a high calibration standard (approx. 1000 NTU), which provides poor accuracy for low turbidity readings. The probe was calibrated with a lower calibration standard (approx. 90 NTU) on the 23rd April 2016, which provided better accuracy for low turbidity readings.

Table 7: Rainfall records preceding water quality monitoring

Date	Rainfall (mm)	Date	Rainfall (mm)
4th December 2015	0	13th April 2016	0
5th December 2015	0	14th April 2016	6
6th December 2015	0	15th April 2016	0
7th December 2015	0	16th April 2016	0
8th December 2015	0	17th April 2016	0
9th December 2015	0	18th April 2016	16.6
10th December 2015	13	19th April 2016	19.6
11th December 2015	0	20th April 2016	0
12th December 2015	0	21st April 2016	0.2
13th December 2015	0	22nd April 2016	0
14th December 2015	0	23rd April 2016	8.6

The following observations were made from the water quality monitoring:

- Electrical conductivity (EC) was higher on the 23rd April 2016 in Settlement Shores. This is unexpected as it is thought that freshwater inflows would have reduced EC. The EC may be caused by dissolved salts in the runoff.
- Electrical conductivity was marginally higher at the mid-depth of the waterway at all locations. This is expected as saltwater is denser than fresh water and minor inversion layers would occur in the river as a result.
- Water temperature was higher on the 23rd April 2016 at all locations, this may be due to measurement at different states of the tide.
- pH was lower on the 23rd April 2016 at all locations, possibly caused by freshwater inflows.
- The pH in Hastings River was lower near the surface in both sampling periods. This is expected as heavier seawater which is more prevalent at depth generally has a higher pH than freshwater.
- Turbidity was lower near the surface at all locations. Currents and freshwater flows would mobilise bed sediment in the lower portion of the water column.
- A total of 3 turbidity readings in Canal 2 and southern end of Canal 4, at the mid-depth of the waterway, were more than 10 NTU on the 23rd April 2016, which is above the ANZECC trigger values. The highest value was 21.5 NTU. The increased turbidity is possibly caused by freshwater runoff.
- A total of 7 pH readings in Settlement Shores and 2 pH readings in the Back Channel, all at the mid-depth of the waterway, were less than 7 on the 23rd April 2016, which is below the ANZECC trigger values. The lowest reading was 6.69. Lower pH is possibly caused by rainfall, which has a pH of approximately 5 to 5.5.
- A total of 3 DO readings in Settlement Shores at the mid-depth of the waterway and 2 DO reading in the Back Channel, at the surface and mid-depth of the waterway, were more than 110% on the 14th December 2015, which is above the ANZECC trigger values. However, on the same day the mid-depth DO reading in the Hastings River was also elevated at a value of 138%.

Important findings that are relevant to this REF include:

- The water quality within Settlement Shores Estate canals is similar to the Hastings River and Back Channel;
- The water quality in the Hastings River, Back Channel and Settlement Shores Estate canals is consistent with estuarine waters characterised by lower pH and lower EC compared to marine environments.
- No extreme water quality parameters were recorded, however a few records were outside the ANZECC trigger range for estuarine waters (attributed to natural events).

Water quality monitoring was undertaken during the dredging campaign in 2006/2007. The monitoring was required to confirm that the dredging operations complied with the EPA licence requirements, which specified:

- pH between 6.5 to 8.5 at the return water discharge point; and,
- Total Suspended Solids (TSS) less than 50mg/L at the return water discharge point.

Background monitoring upstream and downstream of the dredge operations was also undertaken. A summary of the water quality monitoring is presented in **Table 8**. The pH measurements complied with the EPA licence for all samples. A total of 8 samples exceeded the EPA licence criteria for TSS. Two (2) of the exceedances were inside the silt curtain and the TSS values were 860mg/L and 1810mg/L. Four

(4) of the exceedances were at the discharge point, outside the silt curtain and the remaining exceedance was 50m downstream of the discharge point. The highest TSS measurement outside of the silt curtain was 75mg/L. These results indicate that the dredging operation was generally compliant with the EPA licence requirement and that the deployment of silt curtains was an effective measure to contain turbidity generated by the dredging works.

Table 8: Water quality monitoring during dredging campaign in 2006/2007

Location		pH	TSS (mg/L)
100 m Downstream - 24 Samples	Lowest	7.11	2.00
	Mean	7.96	6.38
	Highest	8.18	15.00
50 m Downstream - 129 Samples	Lowest	7.04	2.00
	Mean	7.96	10.30
	Highest	8.41	58.00
30 m Upstream - 1 samples	Lowest	7.65	32.00
	Mean	7.65	32.00
	Highest	7.65	32.00
50 m Upstream - 127 Samples	Lowest	6.68	2.00
	Mean	7.93	9.35
	Highest	8.40	50.00
Hasting River and Governors Way Confluence - 24 Samples	Lowest	7.12	2.00
	Mean	8.00	5.58
	Highest	8.27	12.00
Discharge Point - 25 Samples	Lowest	7.09	5.00
	Mean	7.93	20.17
	Highest	8.17	75.00
Inside Curtain 2 samples	Lowest	7.56	860.00
	Mean	7.61	1335.00
	Highest	7.66	1810.00

5.5 Sediment Characteristics

5.5.1 Local Geology

The Hastings 1:250,000 Geological Series Sheet SH 56-14 indicates the site is underlain by sand, silt, mud and gravel. The Soil Landscape Series Sheet indicates the land around the canal networks is disturbed terrain.

5.5.2 Sediment Sampling and Analysis

Sediment sampling was undertaken on the 2nd May 2015 to determine the physical and chemical quality of the sediments to be dredged.

Samples were collected from 11 locations using a piston core within the proposed dredging footprint, as shown on the plan provided in **Appendix A**. Sampling was undertaken by Geochemical Assessments Pty Ltd. A judgemental rather than random sampling plan was been adopted in order to target the areas of sediment accumulation throughout the canals. The number and locations of samples was determined in accordance with the National Assessment Guidelines for Dredging 2009 (NAGD). Sediment samples were collected at 0.5m increments through the proposed depth of dredging to obtain representative sediment characterisation. The sediment Sampling and Analysis Plan (SAP) for the investigation is provided in **Appendix A** which also includes field logs and photographs taken over the length of each core. It should be noted that the SAP was modified to account for shallow refusal (no sample obtained) at sample location SS01 with relocated sample SS11. An additional sample was collected at location SS12 to investigate the nature of the localised high spot adjacent to a stormwater outlet within Canal 10 – Ballina Canal.

Up to 3 sub-samples were collected from each piston core sample for analysis by a NATA accredited laboratory.

Physical testing comprised the determination of the particle size distribution (PSD) by sieve analysis, and reporting of percentage gravel, sand, silt and clay. PSD testing was undertaken on five (5) samples recovered plus a duplicate sample for quality assurance.

Contaminant testing included a suite of heavy metals on all samples and testing for polycyclic aromatic hydrocarbons (PAHs), BTEX, polychlorinated biphenyl (PCBs), Organochlorine (OC) and Organophosphate (OP) pesticides, tributyltin (TBT), nutrients and total organic carbon (TOC) on a total of five (5) samples.

Acid Sulfate Soil (ASS) screen testing was completed for all samples. Following the ASS screen testing, Chromium Reducible Sulfur suite was completed on four (4) samples to determine acid neutralising capacity (ANC) and potential liming rates for treatment of the material.

5.5.3 Physical Sediment Properties

Results of the particle size distribution (PSD) analysis are presented in **Figure 4**. The PSD analysis indicates that the material to be dredged is fine to medium grained sand with 5 to 25% fines and up to 15% gravel. Field observations indicate lenses of sandy mud up to 200mm thick. The colour of the sediment is generally light brown to grey and black.

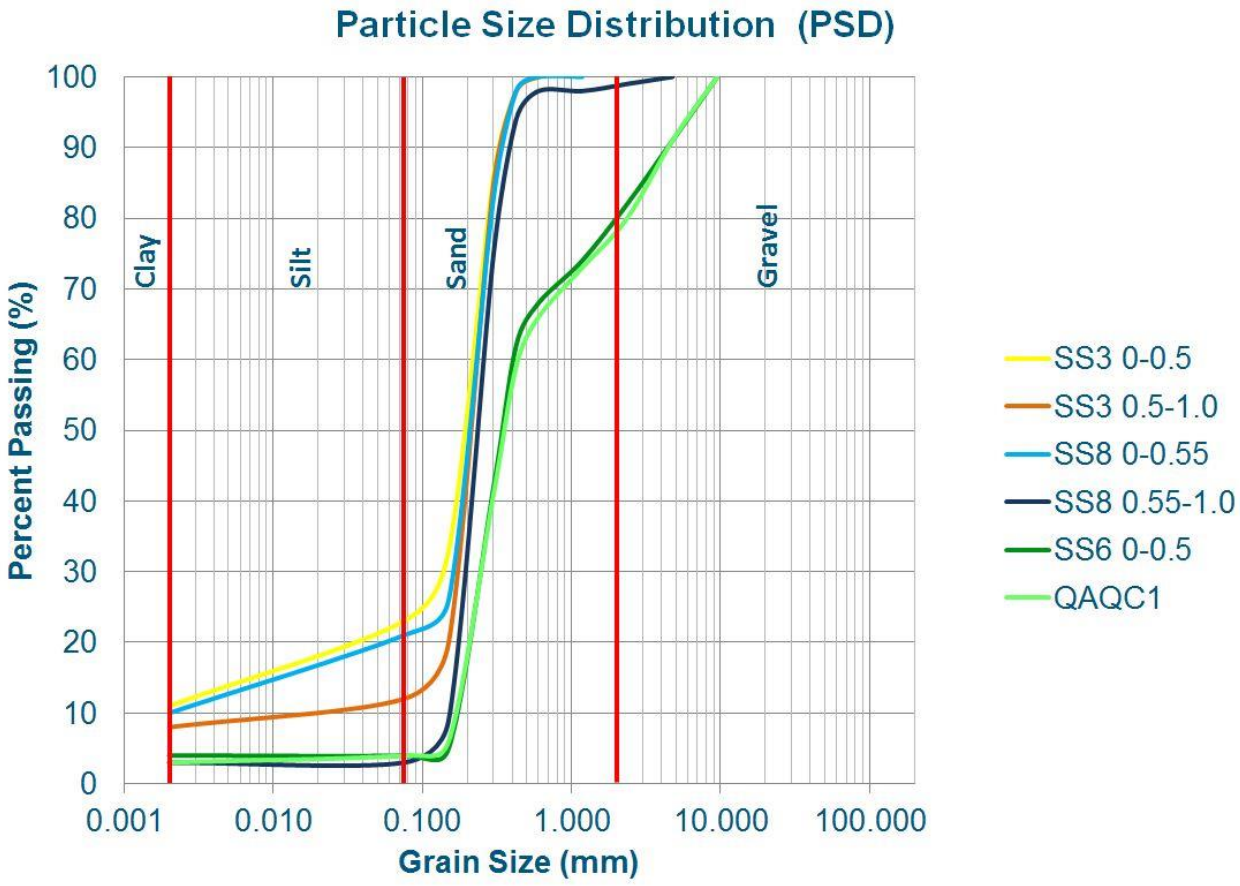

Figure 4: Results of particle size distribution analysis at Settlement Shores Estate

It should be noted that the sampling undertaken at location SS12 indicated that the material forming the localised high spot within the canal comprised black coloured sandy gravel. The location of the high spot is adjacent to a stormwater outlet and may have been the result of material being washed down through the stormwater system. The height of the deposited material, at up to 1.3m above the design canal bed level and close to the centre line of the canal, is considered to be a navigation hazard and should be removed. This could be achieved with localised dredging of the gravel material with a barge-mounted excavator. This could load into a hopper barge or work barge supporting skip bins for onshore transfer and disposal at a licenced waste facility.

5.5.4 Chemical Sediment Properties

Contamination testing indicated that all samples were below the limit of recording (LOR) or below the waste classification criteria set out in:

- NSW EPA (2014) Waste Classification Guidelines for general solid waste;
- National Assessment Guidelines for Dredging (2009) and ANZECC Guidelines for Fresh and Marine Water Quality (2000); and,
- National Environment Protection (Assessment of Site Contamination) Measure (NEPM, 2013) health investigation levels for public open space and ecological investigation levels.

Levels of TBT, OC Pesticides, OP Pesticides, Total Petroleum Hydrocarbons, BTEXN and TPB's were below the Limit or Recording (LOR) for all samples. Levels of antimony, cadmium, silver and mercury were also below the LOR. Levels of arsenic, chromium, copper, cobalt, lead, manganese, nickel,

selenium, vanadium, zinc, TOC and PAH's were below the waste classification criteria. The results are presented in **Appendix A**.

Nitrate and nitrite levels were below the LOR and ammonia levels were relatively low. These are the predominant inorganic forms of nitrogen in the soil, which are readily available to plants. Low levels of inorganic nitrogen indicate low soil fertility.

Total nitrogen and total phosphorus levels were relatively high in samples near the surface and relatively low in samples recovered at depth. Total nitrogen is the sum of organic nitrogen and inorganic nitrogen. Inorganic nitrogen levels were relatively low and the total nitrogen primarily comprised organic nitrogen. Organic nitrogen is primarily held in organic matter and it is not immediately available to plants. Organic nitrogen is mineralised by microbes into inorganic forms. Total phosphorus includes forms that are available and unavailable to plants. Phosphorus and organic nitrogen is returned to the soil in plant residues and organic matter. The results indicate organic matter is present near the surface and much of the nitrogen and phosphorus in the sediment is presently unavailable to plants.

5.5.5 Acid Sulfate Soils

The Wauchope/Port Macquarie Acid Sulfate Soil Risk Map (DLWC, 1997) indicates Settlement Shores Estate, including the canal network and surrounding land, is disturbed terrain. Soil investigations are required to assess these areas for acid sulfate potential. The Port Macquarie-Hastings Council LEP 2011 acid sulfate soils map classifies the waterways forming the canals as Class 1 and the terrestrial area as Class 3. Development consent is required for any works on Class 1 land and for works more than 1m below the water natural ground surface or works that result in lowering of the water table by more than 1m in Class 3 land. However, development consent is not required under the LEP to carry out any works if the works are not likely to lower the water table.

ASS screening tests on sediment samples showed moderate to very vigorous reactions during oxidation with 30% hydrogen peroxide. Following oxidation, pH_{fox} ranged from 2 to 6 with 15 of the 20 samples experiencing significant pH change (change >3.5 pH units). The screening test results indicated that all samples were likely to be Potential Acid Sulfate Soil (PASS) material. The results are presented in **Table 9**.

The Chromium Reducible Sulfur suite was undertaken on 4 samples most likely to contain PASS or Actual Acid Sulfate Soil (AASS) based on the screening tests. The Titratable Actual Acidity (TAA) results indicated that no samples tested had any actual acidity (AASS) present prior to disturbance of the sediments. The acid trail results for potential sulfidic acidity exceeded the ASSMAC "action criteria" for all samples (highlighted grey in **Table 9**). The results indicate a potential for acid sulfate soil conditions to develop in the sediments if exposed to air.

Generally, where action criteria are exceeded, an acid sulfate soil management plan is required for the disturbance of the sediments, unless mitigating factors such as sufficient acid neutralising capacity (ANC) are established. Such factors are accounted for by determining the net acidity of each sample using the acid base accounting equation:

Net acidity = potential sulfidic acidity + existing acidity – acid neutralising capacity

The ANC of a sediment is the ability of the sediment to neutralise any acid that may be produced on oxidation and maintain the pH above 5.5. Organic matter, calcium carbonates (i.e. shell) and magnesium carbonates are common naturally occurring neutralising agents. The effectiveness of these agents varies depending on particle size, coatings on the agent and kinetic factors which affect the rate at which they

dissolve and become available. To account for these limitations, the acid neutralising capacity is divided by a minimum fineness factor of 1.5.

As shown **Table 9**, the net acidity was found to be less than the ASSMAC action criteria for 3 of the 4 samples, which indicates sufficient acid neutralising capacity to maintain a pH above 5.5.

Table 9: Laboratory results investigating the presence of PASS

				pH field/fox				pH_{KCl}	Potential Acidity		Actual Acidity		ANC Fineness Factor	Net Acidity		Liming Rate	Net Acidity excluding ANC		Liming Rate excluding ANC
				pH (F)	pH (Fox)	pH (F) - pH (Fox)	Strength of Reaction		S_{CR}		TAA								
ASSMAC Guidelines				<4	<3.5	>1		pH Unit	% S	mol H+/t	%S	mol H+/t		%S	mol H+/t	Kg $CaCO_3$/t	%S	mol H+/t	Kg $CaCO_3$/t
Investigation	Date	Sample ID	Depth	0.1	0.1			0.1	0.005	10	0.02	2	0.5	0.02	10	1	0.02	10	1
Settlement Shores Estate Sediment Sampling	2/5/16	SS2	0-0.5	8.7	6	2.7	3												
	2/5/16	SS2	0.5-1.0	8.5	2.6	5.9	4												
	2/5/16	SS3	0-0.5	8.5	4	4.5	3												
	2/5/16	SS3	0.5-1.0	7.9	2.3	5.6	4	6.8	0.18	112	<0.02	<2	1.5	<0.02	<10	<1	0.18	112	8
	2/5/16	SS4	0-0.5	8.4	5.2	3.2	3												
	2/5/16	SS4	0.5-1.0	8.4	2.9	5.5	3												
	2/5/16	SS5	0-0.5	8.5	4.4	4.1	3												
	2/5/16	SS6	0-0.5	7.4	2	5.4	4	7.2	0.189	118	<0.02	<2	1.5	<0.02	<10	<1	0.19	118	9
	2/5/16	SS6	0.5-1.0	8	2.2	5.8	4												
	2/5/16	SS7	0-0.5	8.3	5.2	3.1	2												
	2/5/16	SS7	0.5-1.0	8.4	4.3	4.1	2												
	2/5/16	SS8	0-0.55	8.8	5.5	3.3	3												
	2/5/16	SS8	0.55-1.0	8.8	2.4	6.4	4												
	2/5/16	SS9	0-0.5	8.5	2.7	5.8	3												
	2/5/16	SS9	0.5-1.0	8.7	2.2	6.5	4	7.6	0.106	66	<0.02	<2	1.5	<0.02	<10	<1	0.1	66	5
	2/5/16	SS9	1.0-1.5	8.5	2.2	6.3	4	6.3	0.18	112	<0.02	<2	1.5	0.18	112	8	0.18	112	8
	2/5/16	SS10	0-0.5	8.4	2.3	6.1	4												
	2/5/16	SS11	0-0.5	8.6	5.6	3	3												
	2/5/16	SS11	0.5-1.05	8.5	2.5	6	4												
	2/5/16	SS12	0.28-0.6	8.8	2.6	6.2	2												
	2/5/16	QAQC1		8.3	2.1	6.2	4												
	2/5/16	QAQC2		8.6	2.4	6.2	4												

Notes:

Reaction Rate: 1 – Slight, 2 – Moderate, 3 – Vigorous, 4 – Very Vigorous

BOLD – pH_{fox} (<3.5), drop in pH (≥1) or reaction rate (≥2) indicates PASS

TAA exceeds ASSMAC "action criteria" i.e. AASS

Value exceeds ASSMAC "action criteria", i.e. PASS

Retained acidity not required where pH_{KCl} ≥ 4.5

ANC not effective where pH_{KCl} <6.5

Net acidity based on the highest results of either the acid or sulfur trail

5.6 Ecology

5.6.1 Flora

A field investigation involving a site walkover inspection was undertaken as part of the development of the CMP. The study area has been heavily modified and transformed into a residential estate. The modifications have resulted in clearing of vegetation, major earthworks, introduction of exotic species and paving of a significant portion of land.

The majority of the observed vegetation is highly disturbed canal-side grassland formation and garden beds, consisting of numerous exotic species and of no conservation value. The native species diversity within the canals is low and restricted mainly to isolated remnant vegetation.

Seagrass mapping provided by NSW Department of Primary Industries indicates isolated and small patches of mangroves and fringing seagrass beds in the littoral zone comprising zostera. Mangroves were observed on-site, particularly near the Settlement City Shopping Centre and a large specimen on the southern side of Canal 1 – The Governors Way. Seagrasses were observed in some areas, however, the water depth would preclude the growth of seagrasses beyond the littoral zone due to the lack of sunlight penetration at depth. A variety of saltmarsh species were also observed in places along the foreshore.

A search of the NPWS Atlas of NSW Wildlife identified 60 species and 15 vegetation communities present within the Port Macquarie-Hastings Local Government Area and listed under the NSW *Threatened Species Conservation (TSC) Act 1995* (TSC Act 1995) as vulnerable, endangered or critically endangered. These species and communities are listed in **Appendix B** and may be present in the study area. However, with the exception of coastal saltmarsh, these species are not considered potential inhabitants due to the site's history of modification and the lack of native vegetation coverage.

5.6.2 Fauna

The study area has been heavily modified and transformed into a residential estate. The modifications have resulted in clearing of vegetation, habitat isolation, traffic dangers, predatory pressures and competition from introduced and domestic species. This has influenced the range and abundance of native fauna within the study site.

A search of the NPWS Atlas of NSW Wildlife identified species listed species present within the Port Macquarie-Hastings Local Government Area and listed under the NSW *Threatened Species Conservation (TSC) Act 1995* (TSC Act 1995) as vulnerable, endangered or critically endangered. The search included:

- 10 amphibians;
- 6 reptiles;
- 81 birds;
- 35 mammals; and,
- 3 insects.

These species are listed in **Appendix B** and may be present in the study area. However, none of the listed species are considered to be potential inhabitants due to the site's history of disturbance, the lack of native vegetation coverage, the distribution of the species and their preferred habitat.

The NSW Fisheries threatened species database includes nine (9) critically endangered species, 11 endangered species and eight (8) vulnerable species present within NSW. None of these species are

likely to be present within the Settlement Shores Estate canal development as their distribution and habitat requirements are incompatible with the area.

5.7 Cultural Heritage

5.7.1 Aboriginal Cultural Heritage

A search of the NSW Office of Environment and Heritage Aboriginal Heritage Information Management System (AHIMS) has shown that no aboriginal sites or aboriginal places are recorded or been declared in or near Settlement Shores Estate.

5.7.2 Non-indigenous Heritage

A search of the NSW Heritage Office State Heritage Inventory has shown only two items of heritage significance that occur near to or within the study area. These comprise:

1. The Hibbard Cemetery, located on Hibbard Drive, Port Macquarie. The Cemetery is located off Hibbard Drive, approximately 700 metres west of Canal 2 – South West Passage, which is the western-most canal in the Settlement Shores Estate system.
2. "The Cross" navigational marker, located on Park Street. The Cross is located approximately 100 m south of the Park Street bridge over Canal 1 – The Governors Way.

A review of Port Macquarie-Hastings Council's Local Environment Plan 2011 (PMHC, 2011) has confirmed these sites as being the only items of heritage significance that are located near the study area.

5.8 Traffic and Access

Public boating facilities, including boat ramps and pontoons, are generally not provided within the Settlement Shores Estate precinct (although a public boat ramp and pontoon exists at McInherney Park). Water access to Settlement Shores Estate canal network is restricted to the upstream end of Canal 1 – The Governors Way, which links with the Hastings River. The majority of the canals do not provide through access. As such, boating traffic is generally limited to that of private residents.

Road traffic in Settlement Shores Estate consists mainly of passenger vehicles associated with residential blocks.

A number of easements and vacant blocks owned by Council are located around Settlement Shores Estate. These easements provide access to the foreshore for any maintenance activities that may be required. In addition, a covenant placed on the blocks requires landowners to maintain a clear access way within 5.4 metres (7.9 metres for The Governors Way) from the revetment wall where buildings, fences, trees or other obstructions are prohibited. This clear access way is intended to provide access to the foreshore for maintenance activities and to remove flood debris, if required.

In 2004, a survey concluded waterway access for boating activities within the canal system was below the expected standard. 57% of respondents believed that the canal was safe to navigate, while 43% said the canal bed adjacent to their property was silting up. Dredging works were undertaken in 2006/2007, however, sediment transport has led to further siltation. A recent 2016 survey of canal residents indicated that dredging to restore canal waterway depths was considered to be the highest priority maintenance action for the CMP.

5.9 Recreational Use

Settlement Shores Estate is a residential development with minimal public recreation zones on the foreshore. The majority of the foreshore and nearshore areas are private property. Many residents of the canals own a recreational vessel and enjoy scenic views from their dwellings and backyards.

The speed limit in the canals is restricted to 4 knots and the waterways are relatively narrow, which limits recreational use. Fishing restrictions do not apply to Settlement Shores Estate, however public access to the foreshore is limited.

5.10 Utilities

Public utilities are available to each of the residences situated along the residential canal system. These may include power, telecommunications, sewerage and potable water.

In addition, submarine cabling is present spanning a number of canals. This comprises high voltage underground power cables at the following locations:

- crossing Canal 1 between 18-20 Newport Crescent and 67-69 Commodore Crescent;
- crossing Canal 9 between 27-29 Laguna Place and 29-31 Newport Crescent;
- crossing Canal 8 between the eastern end of Newport Crescent and Settlement City Shopping Centre; and,
- crossing Canal 8 between the eastern end of Laguna Place and Settlement City Shopping Centre.

Submarine telecommunications cabling associated with the National Broadband Network (NBN) also crosses Canal 1 between 18-20 Newport Crescent and 67-69 Commodore Crescent.

6 Environmental Impact Assessment and Mitigation Measures

6.1 Hydrodynamics and Hydraulics

Minimal current and wave action is expected within the Settlement Shores Estate canals. However, the proposed maintenance activities would have the following impacts:

- Dredging would have minimal impact on currents and wave action and the canal profile is proposed to be restored to the design profile.
- The placement of sand or rock protection on the foreshore would have minimal impact on currents and wave action, however a flatter foreshore slope, rather than a vertical wall, would be achieved by placing sand or rock seaward of the revetment and it would assist in dissipating wave energy.
- Other maintenance activities including repairs to boat ramps, jetties, pontoons and the revetment wall would have minimal impact on the hydrodynamics and hydraulics of the waterway. The cross sectional area or water depth would not be significantly altered by the presence of these structures.

6.2 Sediment Characteristics

6.2.1 Acid Sulphate Soils

The assessment criteria for acid sulfate soils are provided in the Acid Sulfate Soils Assessment Guidelines (Ahern, et. al, 1998). Sediment sampling indicated the “action criteria” in the Acid Sulfate Soil Assessment Guideline was exceeded. Mitigating factors such as sufficient acid neutralising capacity (ANC) were established for some of the sediment samples. However, the net acidity of one sample indicated the ANC was insufficient to neutralise the sediment and maintain the pH above 5.5.

Generally, fines (smaller particle size) are associated with sulfidic material and sand and gravel is generally non-sulfidic “clean” material. It may be possible to partially or fully separate the acid sulfate fines from the sand resource through proposed use of the hydrocyclone. The separated sand and gravel is expected to require little or no neutralising agent prior to use. The fines/water return from the hydrocylone would be discharged back into the waterway via a separate pipeline and would have little opportunity to be oxidised.

An acid sulfate soil management plan (ASSMP) is required for construction activities that result in the removal and/or disturbance of soil/sediment. To determine the feasibility of the hydrocyclone and required dosing rates of the fines and sand content, field trials should be conducted. Sampling of the sand and fines shall be undertaken and analysed by a NATA accredited laboratory. Details of the field testing and laboratory testing should be included in the ASSMP.

6.2.2 Soils

The colour of the sediment in-situ is light brown to grey and black. Organic fines would contribute to the dark colouring of the sediment. These fines would be removed by the hydrocyclone and the colour of the sand would be lighter in colour. Following placement of the material on the foreshore and exposure to ultraviolet light from the sun, the material would be bleached and it is expected the colour of the material would match existing sandy material on the foreshore within a few years.

As noted in **Section 5.5**, the material to be dredged is classified as fine to medium grained sand with a fines (silt and clay) content of up to 25% and gravel up to 15%. Contamination testing indicated that all samples were below the limit of recording (LOR) or below the waste classification criteria set out in:

- NSW EPA (2014) Waste Classification Guidelines for general solid waste;
- National Assessment Guidelines for Dredging (2009) and ANZECC Guidelines for Fresh and Marine Water Quality (2000); and,
- National Environment Protection (Assessment of Site Contamination) Measure (NEPM, 2013) health investigation levels for public open space and ecological investigation levels.

As such, the dredged material is deemed suitable for reuse to nourish the canal beach areas.

If material is to be stockpiled on-site prior to disposal or reuse, stockpiles should be limited in height to 2 m and batter slopes no steeper than 1V:3H. Measures should be introduced to ensure no significant windblown loss of material. Selection and arrangement of stockpile sites and method of delivery of material should be well thought out to consider the end use of material so it is transported as efficiently as possible.

The sediments generally have a relatively high organic nitrogen load (Total Kjeldahl Nitrogen up to 390mg/kg) in surface samples. The organic nitrogen may be mineralised to ammonium and nitrates when disturbed, increasing the chemical oxygen demand on the receiving waters. However, any side effects were not observed during previous dredging campaigns and organic nitrogen load was higher in the past.

6.3 Sediment Transport and Water Quality

6.3.1 Dredging and Other Machinery

The preferred method of dredging within the canals is hydraulic dredging with a Cutter Suction Dredger (CSD). Mechanical dredging with a backhoe dredger mounted on a barge or tracked long-reach excavators operating from land may be considered for areas with minor dredging volumes and drying areas where significant sedimentation has occurred. Other machinery, which may be used on-site from time to time include small excavation equipment such as ‘Bobcats’ and excavators, floating barges, small work boats, and soil compaction equipment.

Potential direct impacts from dredging could include:

- elevations in turbidity, potentially nutrients and contaminants;
- discharge of potentially acidic water from the dredged material processing area; and,
- management of spills.

The following mitigation measures are recommended to minimise water quality impacts from hydraulic dredging:

- The material to be dredged is sand with silt/clay (up to 25%) and gravel (up to 15%). As such, there may be some localised suspension of sand and silt at the cutter head in the case of hydraulic dredging but this would settle out of the water column. It is generally impractical to use silt curtains with cutter suction dredging techniques as these would interfere with placement and movement of dredge anchors and limit mobility of the dredge within the waterway. However, turbidity in the vicinity of dredging operations should be monitored and the cutter head speed, swing velocity, suction flow rate and thickness of cut should be optimised for the material encountered.
- return water quality must be managed onshore to ensure it meets relevant suspended solids (or turbidity) criteria before discharge. As part of this process, the outlet discharging return water

from dredged sediment dewatering operations (e.g. fines/water discharge pipeline from the hydrocylone) into the adjacent waterbody may be enclosed in a silt curtain to further contain fines contributing to turbidity. A water quality monitoring program must be implemented. At a minimum, this should include turbidity monitoring inside the silt curtain, directly outside the silt curtain and in a control (reference) area.

- Return water from hydraulic dredging and dewatering operations should also be monitored for acidity. Return water quality should be similar to the control (reference) area and should be treated prior to discharge if it is non-conforming.

The following mitigation measures are recommended to minimise water quality impacts from mechanical dredging:

- If mechanical dredging with a barge-mounted excavator or long reach excavator is used for dredging of localised areas (e.g. at the head of canals around stormwater outlets), the dredging operations should be undertaken within a silt curtain to contain any turbidity plumes to the immediate dredging area and limit mobilisation of plumes to surrounding areas. A water quality monitoring program must be implemented. At a minimum, this should include turbidity monitoring inside the silt curtain, directly outside the silt curtain and in a control (reference) area.
- Onshore stockpiles of moist or wet dredged material should be located within bunded areas with seepage waters collected in a controlled manner by a drainage system that allows suitable water quality to be verified with sampling and water treatment to be implemented (if required) prior to discharge into the adjacent waterbody.

There is potential for accidental fuel and oil spills during both hydraulic and mechanical dredging operations. In addition to monitoring of turbidity, visual monitoring would also consider signs for spillage of fuel. Other mitigation measures associated with spills and leakages include:

- Regular inspection of plant and equipment to minimise the risk of oil and fuel leaks.
- Display of Material Safety Data Sheets (MSDS) on board the dredge and with stores of each substance used in the works (i.e. fuel, lubricants etc.).
- An emergency spill response kit must be held on-site.
- Bunds must be formed around any booster pumps and any areas used to hold fuel and oil within the Contractor's compound to prevent spills affecting adjacent foreshore/ marine habitats.
- An environmental management plan shall be prepared that addresses, amongst other things, ways in which pollution of the sites by fuel, oil and other debris would be avoided. This should include protocols for equipment maintenance, storage of fuel and other chemicals and materials, management of waste and refuelling procedures.
- No major maintenance of equipment shall be undertaken on-site.

6.3.2 Sand/Rock Placement

The material to be placed on the foreshore as part of the proposed maintenance activities comprises rock and/or dredged material. The dredged material would be pumped through a hydrocyclone to separate the fines content from the sand. The clean sand would be discharged via pipeline on to nearby canal beach areas and the fines/water return from the hydrocylone would be discharged back into the waterway via a separate pipeline.

Potential direct impacts of material placement could include:

- erosion;
- foreshore instability; and,

- impacts on water quality at material placement areas.

The foreshore beach areas have historically eroded with deposition occurring in the deeper parts of the canal. The rate of erosion and deposition depends on the location within the canal network. Dredged areas would infill over time and the foreshore would be eroded at a similar rate to existing if the dredged material is placed on the foreshore. This is acceptable in some locations, however other locations require rock protection to provide long term foreshore stability. Rock size can vary depending on slope. Designs could explore boulder, cobble or even gravel sized placements.

Suspended solids and nutrients would be the main pollutants present in the water leaving the placement areas, especially during high rainfall events. The material placement areas (temporary and final) would be identified prior to commencement of dredging operations. They would be prepared and maintained throughout dredging operations to control the discharge of turbid water into nearby estuarine waters. This would include the establishment of appropriate sediment retention structures, such as a silt curtain, at all sediment discharge points to control dewatering and to allow sediments to settle into the disposal area without being washed directly back into the stormwater/canal system. As all placement areas fall within an estuarine environment, any return water would have the same characteristics as the receiving waters. An erosion and sediment control plan would be prepared as part of the Contractor's Environmental Management Plan (CEMP).

Placed and dredged batter slopes of 1V:7H near the shore and 1V:3H in deeper sections of the canals should be established, in accordance with the original canal design location and profile. This would ensure the foreshore is stable.

Silts and clays (i.e. fines) are to be disposed of at the previously identified disposal location, which could be on-site in areas above the high tide mark or at a remote disposal location. The material should be tested for contaminants and acid sulfate material prior to reuse or disposal.

6.3.3 Other Maintenance Operations

Other maintenance activities, including repairs to boat ramps, jetties, pontoons and the revetment wall, would not significantly affect sediment transport rates or water quality. The design of all boat ramps should be as low as practically possible so as to not interfere with the longshore sediment transport rates. Jetties and pontoons should contain the minimum number of piles for practical applications and the structures should not block alongshore sediment transport.

During construction and maintenance activities, there is the potential for a decline in surrounding surface water quality due to earthmoving activities and the storage and handling of products. For more substantial maintenance activities, such as the demolition or construction of a boat ramp, appropriate sediment retention structures, such as a silt curtain, should be maintained around the construction area.

Anti-fouling paints containing copper, organotin compounds, biocides or any other manufactured compound should not be applied to pontoons or any other surfaces while the pontoon is in Settlement Shores Estate. If pontoons are to be cleaned, they shall be removed from site and cleaned in accordance with Environmental Protection Authority requirements for slipping and cleaning of vessels. This shall include catching and treating any runoff. Boat ramps and pontoons, which have not been treated with anti-fouling paints may be scrubbed or jet blasted (with water) to remove marine growth.

There is potential for accidental fuel and oil spills during other maintenance operations. When undertaking work or refuelling, the site shall be monitored for visual signs of fuel and oil spills or leaks. Other mitigation measures associated with spills and leaks include:

- Regular inspection of plant and equipment to minimise the risk of oil and fuel leaks.
- Display of Material Safety Data Sheets (MSDS) with stores of each substance used in the works (i.e. fuel, lubricants etc.).
- An emergency spill response kit must be held on-site.
- Bunds must be formed around any areas used to hold fuel and oil within the Contractor's compound to prevent spills affecting adjacent foreshore/ marine habitats.
- An environmental management plan shall be prepared that addresses, amongst other things, ways in which pollution of the sites by fuel, oil and other debris would be avoided. This should include protocols for equipment maintenance, storage of fuel and other chemicals and materials, management of waste and refuelling procedures.
- No major maintenance of equipment shall be undertaken on-site.

6.4 Ecology

The Settlement Shores Estate canals are not a key fish habitat under the *2013 Policy and Guidelines for Fish Habitat Conservation and Management, Fisheries NSW*. Despite the legislation, seagrass and other aquatic vegetation, including saltmarsh and mangroves, should be protected from damage where practicable as they are a valuable fish habitat. Canal beach nourishment activities should avoid placement of material over seagrass and saltmarsh plants. Saltmarsh may be used to revegetate and stabilise the foreshore. Any area of aquatic vegetation impacted by dredging is likely to be relatively small compared to the total amount of aquatic vegetation in the canals and Hastings River. In addition, affected areas would recover over time. The proposed maintenance dredging works are similar to that undertaken in 2006/2007 and the canals have recovered to their existing state.

The vulnerable and endangered species identified in **Section 5.6** are not considered to be potential inhabitants within the Settlement Shores Estate canal development due to the site's history of disturbance, the lack of native vegetation coverage, the distribution of the species and their preferred habitat. The study area does not contain endangered populations or endangered ecological communities as listed under the TSC Act 1995. The site does not contain recommended or declared critical habitats and the proposed maintenance works are not considered to be a key threatening process.

The proposed maintenance program may require the removal of trees and shrubs to maintain an access easement (subject to site specific evaluation by Council). The species potentially requiring removal have been planted since the canals were constructed in the 1970's and are not considered to be of ecological significance.

To ensure the proposed dredging and maintenance program does not unduly impact on the flora and fauna values of the existing environment, the following mitigation measures should be employed:

- Clearing of any vegetation would be restricted to that necessary to provide access along the designated access easement. Temporary protective fencing would be erected along the boundary of the work site where it adjoins native vegetation that does not require clearing.
- Prior to the clearance of vegetation, trees are to be examined by a suitably qualified person for the presence of hollows and arboreal animals. Animals present in the trees would require relocation before the resumption of clearing. Alternatively, the need to remove trees with identified habitat shall be reassessed by Council.
- Cleared vegetation is to be used as mulch in rehabilitation works where practicable.
- Rehabilitation of disturbed areas would commence as soon as practicable following completion of works.

- Prior to use at any site, machinery is to be cleaned, degreased and serviced. If the machinery has previously been used in a waterway where the noxious macroalga *Caulerpa taxifolia* (Caulerpa) is present, the contractor shall:
    a) inspect anchors, ropes and chains for pieces of Caulerpa
    b) inspect diving equipment such as wetsuits, bags and other gear before and after use
    c) inspect trailers, propellers and engine intakes
    d) inspect construction equipment and materials
    e) use dedicated 'wash-down' facilities where available, ensuring that vessel and equipment is thoroughly free of all matter before leaving the area
    f) collect any fragments of Caulerpa that may have been picked up, seal the pieces in a plastic bag and dispose of them in a bin where they cannot re-enter the waterway.
- A visual inspection of the waterway for dead or distressed fish is to be undertaken twice daily during the works. Observations of dead or distressed fish are to be immediately reported to the Fishers Watch hotline on 1800 043 536. In such cases all works are to cease until the issue is rectified and approval is given to proceed.
- If native fauna is injured, immediate contact should be made with wildlife rescue groups and appropriate action taken.

6.5 Cultural Heritage

There are no Aboriginal heritage items within the works area. Two (2) non-aboriginal heritage items are located outside of the works area and these would not be impacted by the works. The area has been significantly disturbed and heritage artefacts are not expected to be found. Importantly, no new excavation into previously undisturbed areas is proposed. If, however, during the course of work, a cultural heritage artefact is located, work in the specific area would stop. Council and NSW Office of Environment and Heritage (OEH) would be notified of the find and appropriate actions as advised by OEH would be undertaken.

6.6 Odour and Air Quality

The sediment to be dredged is generally muddy sand. However, the presence of organic material and a sulphidic odour was noted during the sediment sampling investigation. The organic material is expected to be removed from the sand proposed to be placed on canal beaches by the hydrocyclone. The fines/water return from the hydrocylone would be discharged back into the waterway via a separate pipeline and would have little opportunity to generate odour. Significant emission of hydrogen sulfide is therefore unlikely, however odours may be detected at nearby receptors from time to time during the dredging and placement activities. This is considered to be a minor and short-term impact in comparison to the benefits provided by the proposed maintenance dredging works.

Plant and equipment may emit smoke/fumes which could adversely affect air quality in the localised areas of operation. Appropriate maintenance of plant and equipment would be undertaken to address this potential issue including:

- Regularly maintaining all plant and equipment used during the dredging, reuse work and other maintenance activities in keeping with best practice principles. Maintenance would be in accordance with manufacturer's specifications in order to minimise the emission of smoke, fumes and other air pollutants into the atmosphere.
- Suspending the use of any plant/equipment found to be emitting visible smoke/fumes for longer than periods designated by their operations manuals. Suspension of use and undertaking of maintenance (if necessary) until acceptable levels are achieved.

- Maintaining all service/inspection log books.

In order to minimise impacts and ensure control measures are effective, the following safeguards would be undertaken:

- Visual monitoring would be undertaken to assess the impact of dust generation on air quality, particularly during other maintenance activities.
- Where dust is observed to be a nuisance and cannot be controlled by water spraying or implementation of other mitigation measures, works shall cease and work practice reviewed to reduce air quality impacts.

6.7 Noise

All works is proposed to occur during the standard hours of construction being:

- Weekdays from 7am to 6pm;
- Saturday from 8am to 1pm; and,
- No work on Sundays or public holidays.

A community consultation program has been initiated by Council. Close liaison shall be maintained with residents and progress updates provided at regular intervals or at particular milestones. A contact name and phone number of a responsible person should be given out so that complaints can be dealt with effectively and efficiently. All complaints or communication should be answered;

If noise were to become an issue then the following steps could be undertaken to reduce noise (assuming that the noise generated by the Contractor was outside the permitted noise levels):

- restrictions could be placed on operational times at the locations closest to residential properties;
- Contractor could be required to undertake steps to reduce the amount of noise generated by plant and equipment including installation of mufflers and the like;
- activities that are known or have the potential to create excessive noise would, where possible, be scheduled to occur at times to cause least annoyance to the community. Carrying out such work during early morning should be avoided. This includes start up and idling etc. of heavy machinery prior to commencement of work;
- regular and effective maintenance of all equipment including vehicles moving on and off the site should be conducted. Prompt attention must be given to repair of loose or rattling parts and broken equipment. Maintenance work should only be carried out by qualified persons; and,
- when selecting equipment for the job, preference must be given to those with capacities best suited to the task at hand. That is, the use of larger machines with excess capacity should be avoided unless these can be shown to be quieter than smaller capacity machines.

6.8 Visual Impact

The existing landscape of Settlement Shores Estate consists of waterways, grasslands, and remnant and planted vegetation buffering residential and commercial areas.

Canal maintenance and dredging along the canals would result in a loss of vegetation and the removal or alteration of structures within the access easement and along the foreshore. Vegetation removed for the purposes of the works would be limited to that required to complete the maintenance and achieve an appropriate degree of access in accordance with the covenant placed on the land titles. Cleared areas shall be grassed as soon as possible following the removal of trees or structures.

Restoration of the design canal profile and maintenance of infrastructure would have a positive effect on visual amenity. During construction, stockpiling of dredged sediments would be minimised, with the sediments to be generally reused to nourish canal beach areas.

6.9 Traffic and Access

Due to the relatively large size of the dredge in relation to the navigable canal, the operation of the dredge would potentially impede the navigation of canal boating traffic during operational hours, particularly in the smaller canals. Floating dredge pipelines for the delivery of sand to the foreshore would further restrict vessel navigation. Council shall exhibit a Notice to Mariners in local newspapers, informing them of the dredging works, at least 14 days prior to the commencement of operations. Any vessel engaged in dredging shall display lighting and signals in accordance with the *Navigation Act 1991*. Council shall provide temporary signage on the canal banks upstream and downstream of the dredge and the dredge shall be moved to the nearest canal bank fronting a Council owned access easement during non-operating hours.

Vehicular traffic within the residential street network would be impacted by the presence of higher than normal flows of traffic associated with the construction and maintenance activities that would take place over the course of canal maintenance. While the maintenance plan includes a schedule of activities over a 10 year program, there would still be some impact on residents from the additional traffic, particularly in those areas adjacent to access easements running between the street and the canal foreshore.

Residents shall be notified in writing two weeks prior to any work in their vicinity, including foreshore maintenance and dredging activities, which would impact on their amenity and restrict their access along either the canal waterway or road networks.

6.10 Recreational Use

Restoration of the design canal profile and maintenance of infrastructure would have a positive effect on user/resident amenity. During maintenance works, there would be some impact on recreational use of the waterway, particularly for local residents.

6.11 Utilities

The contractors involved in dredging or other canal maintenance works should contact relevant service providers to determine the depth and location of utilities before commencing work. Service locating should be conducted if the contractors are unable to gather reliable information from the service providers.

Contractors should not anchor in the vicinity of submarine cables. Cutter suction dredge or mechanical dredging should not be conducted in the vicinity of underwater cables unless the depth of cables is identified from a dedicated pot-holing exercise to locate the cables, or from reliable information provided by the affected service provider or an accredited service locator.

6.12 Waste Management

Maintenance works have the potential to generate several forms of waste:

- Excavated Material: Maintenance works may result in the generation of excavated material including soils and sands;
- Construction Material: This includes concrete, metals and other damaged or excess construction materials generated during maintenance works;

- Green Waste: Maintenance works would require the removal of vegetation including trees and shrubs;
- General waste from maintenance activities, including food wrapping, bottles and other waste generated by site employees and contractors during the works; and
- Human Waste.

All waste material shall be appropriately stored on-site and disposed to a licenced waste disposal facility.

7 Environmental Factors Considered

Clause 228 of the *EP&A Regulation* 2000 provides a list of factors that must be considered in determining the likely impacts of an activity on the natural and built environment and therefore the necessity for an EIS.

Following review of Clause 228 Factors in below, the proposed works are not considered to result in significant detrimental environmental impacts as demonstrated in this REF. Therefore it is concluded that an Environmental Impact Statement (EIS) is not required and this REF is considered an appropriate environmental assessment.

a. Any Environmental Impact on a Community?

There would be no significant environmental impact on the community as a result of the proposals. Any potential impacts as a result of dredging and reuse activities or other maintenance activities would be mitigated as outlined in this REF.

b. Any Transformation of a Locality?

There would be no significant adverse transformation of the locality as a result of the proposals. The waterway would be restored to the design profile. Any potential adverse impacts as a result of dredging and reuse activities or other maintenance activities would be mitigated as outlined in this REF.

A positive transformation is expected as a result of the beach nourishment and bank protection works.

c. Any Environmental Impact on the Ecosystems of the Locality?

There would be no significant long term environmental impact on the ecosystems of the localities as a result of the proposals. Where possible, any potential impacts as a result of dredging and reuse activities would be mitigated as outlined in this REF.

The possible impacts and proposed mitigation measures have been discussed, which include disturbance of aquatic vegetation.

d. Any Reduction of the Aesthetic, Recreational, Scientific or Other Environmental Quality or Value of a Locality?

There would be no significant reduction in the aesthetic, recreational, scientific or other environmental quality or value of the locality as a result of the proposals.

Temporary and localised impacts to the aesthetics and recreational values of the areas would be experienced during dredging and reuse activities but these impacts would be minimised as per mitigation measures outlined in this REF. Aesthetic, recreational, and environmental benefits would ultimately be achieved as a result of the proposals and restoration of the canal profile.

e. **Any Effect on a Locality, Place or Building Having Aesthetic, Anthropological, Archaeological, Architectural, Cultural, Historical, Scientific or Social Significance or Other Special Value for Present or Future Generations?**

There are no heritage sites within the dredging areas or the placement areas. However, to preserve any archaeological material that may be present, mitigation measures would be adopted as outlined in this REF.

f. Any Impact on the Habitat of Protected Fauna (Within the Meaning of the National Parks And Wildlife Act (*NP&W Act*) 1974)?

There would be no significant impact on the habitat of protected fauna.

g. Any Endangering of Any Species of Animal, Plant or Other Form of Life Whether Living on Land, In Water or In the Air?

There would be no endangering of any species of animal, plant or other form of life.

h. Any Long Term Effects on the Environment?

There would be no long term adverse effects on the environment as a result of the proposals.

i. Any Degradation of the Quality of the Environment?

There would be no long term degradation of the quality of the environment as a result of the proposals. There is potential for the proposals to have localised and short term impacts to the quality of the environment. However, any potential impacts on the quality would be mitigated through the measures outlined in this REF.

j. Any Risk to the Safety of the Environment?

There would be a potential short term risk to the safety of the environment during the dredging and reuse activities as a result of the proposals. However, this risk would be minimised by the mitigation measures as outlined in this REF.

k. Any Reduction in the Range of Beneficial Uses of the Environment?

There would be no long term reduction in the range of beneficial uses of the environment as a result of the proposals. There is potential for the proposal to have short term impacts on the use of the surrounding environment during dredging and reuse activities. However, any potential impacts on the range of beneficial uses of the environment would be mitigated through the measures outlined in this REF.

l. Any Pollution of the Environment?

There would be potential short term water, air and noise pollution of the environment during the proposed dredging and reuse activities. However, potential impacts would be mitigated by control measures as described in this REF.

m. Any Environmental Problems Associated with the Disposal of Waste?

There would be no environmental problems associated with waste. As outlined in this REF, all dredged sand is proposed for reuse. Other maintenance activities may generate waste, which would be mitigated through the measures outlined in this REF.

n. Any Increased Demands on Resources (Natural or Otherwise) that are or are Likely to Become in Short Supply?

There would not be any increased demands on resources due to the proposed dredging and reuse activities or other maintenance activities.

o. **Any Cumulative Environmental Effect with Other Existing or Likely Future Activities?**

There is not likely to be any long term negative cumulative environmental effects with any existing or future activities as a result of the proposals.

p. **Any Impact on Coastal Process and Coastal Hazards, including those Under Projected Climate Change Conditions?**

There are no significant impacts expected as a result of the proposed dredging and reuse activities or other maintenance activities.

8 Project Justification and Alternatives Considered

8.1 General

Port Macquarie-Hastings Council has adopted the *Settlement Shores Canal Estate Canal Maintenance Resident and Landowners Guidelines* and the *Canal Maintenance Plan*. Council is committed to the maintenance of the canal system that involves maintaining navigation depths, and a sufficient quantity of sand or rock material in front of the canal revetment walls to maintain shoreline stability.

8.2 Benefits of Proposed Works

The proposed dredging and foreshore nourishment would restore the design canal profile. This would increase navigation depth, stabilise the foreshore, boat ramps and jetties, provide support to the revetment walls, and improve visual amenity and aesthetics of the canal network. These works would improve safety for waterway users and pedestrians along the foreshore.

Other maintenance activities, including repairs to boat ramps and jetties would improve and maintain recreational amenity for the local residents.

8.3 Alternatives Considered

Alternative dredging and placement methods were considered as part of the proposal. Other dredging techniques were deemed to be cost prohibitive. Furthermore, alternate techniques would not provide significant advantages with regards to:

- noise;
- water quality during and after dredging;
- impacts on the ecology; and,
- impacts on traffic and access during construction.

An option to do nothing has been considered. Preventative maintenance is deemed to be necessary to improve safety and stabilise the foreshore.

Alternatives to the other maintenance activities may be assessed on a case by case basis.

8.4 Ecologically Sustainable Development

8.4.1 General

The concept of ecologically sustainable development (ESD) has as its goal the maintenance of existing ecological processes in such a way as to ensure their sustainability in the future, which in turn ensures future quality of life. It requires balance between the desire for economic gain, ecological improvement, social equity and quality of life, arranged in such a way as to allow the simultaneous development of the economy and the natural environment.

Not only does it require economic and social development to maintain ecological processes at present levels, it also requires those levels to be sustainable into the future. In many cases it may require a proposed development to improve ecological processes, where that ecology is currently unsustainable. ESD principles are centred around the desire for current and future generations to have a natural environment which is as good or better than the one inherited.

The *NSW Environmental Planning and Assessment Regulation 2000 – Schedule 2*, describes four principles of ecologically sustainable development to be considered when assessing a project, namely:

- the precautionary principle;
- inter-generational equity;
- the conservation of biological diversity and ecological integrity; and,
- improved valuation, pricing and incentive mechanisms.

The Precautionary Principle

The NSW Protection of the Environment Administration Act 2000 states that the precautionary principle means that "if there are threats of serious or irreversible environmental damage, lack of full scientific certainty should not be used as a reason for postponing measures to prevent environmental degradation". In the application of this principle:

- careful evaluation should always be undertaken to avoid serious or irreversible environmental damage; and,
- an assessment of risk weighted consequences of various options should be considered.

Inter-Generational Equity

Intergenerational equity implies that the present generation should ensure that the health, diversity and productivity of the environment are maintained or enhanced for the benefit of future generations.

Conservation of Biodiversity and Ecological Integrity

Biological diversity refers to the diversity of genes, species, populations, communities and ecosystems, and the linkages between them. Biological resources provided food, medicines, fibres and products used in industrial processes. The maintenance of biological diversity would ensure the maintenance of life supporting functions and is to be considered as a minimal requirement for intergenerational equity.

Improved Valuation, Pricing and Incentive Mechanisms

There exists the need to determine appropriate values for services provided by the natural environment in terms of its natural processes and aesthetic, cultural and social benefits. In the past, natural resources have not been valued according to the consequences of them not being available, particularly the environmental, economic and social damage that may arise.

The *NSW Protection of the Environment Administration Act 2000* states that environmental factors should be included in the valuation of assets and services, such as:

- polluter pays, that is, those who generate pollution and waste should bear the cost of containment, avoidance or abatement;
- the users of goods and services should pay prices based on the full life cycle of costs of providing goods and services, including the use of natural resources and assets and the ultimate disposal of any waste; and,
- environmental goals, having been established, should be pursued in the most cost effective way, by establishing incentive structures, including market mechanisms, that enable those best placed to maximise benefits or minimise costs to develop their own solutions and responses to environmental problems.

8.4.2 Application to the Project Proposal

The Precautionary Principle

The proposed dredging and other maintenance activities associated with the works would form waterway and nourishment areas similar to that which has historically existed. The area has been significantly modified and provides minimal natural habitat. In the preparation of the project proposal, investigations, studies and community consultation have been undertaken to establish the effects of the dredging and other maintenance activities.

Inter-Generational Equity

The proposed dredging and other maintenance activities would assist in the provision of safer waterway access for recreational users and ensure the longevity of the canal estate for use by future generations.

Use of dredged material to address erosion and maintain the canal profile results in improved amenity for local residents, provides stability of the foreshore revetment and improved safety.

Conservation of Biodiversity and Ecological Integrity

The conservation of biodiversity and ecological integrity would be supported by avoiding, where possible seagrasses, saltmarsh and other vegetation, and heritage areas.

Although disturbance of the aquatic environment may occur in the short-term following dredging and placement activities, recolonisation of disturbed habitats would be expected, and has occurred following previous dredging projects.

Improved Valuation, Pricing and Incentive Mechanisms

The proposed dredging activities have been selected to support the protection of the environment and natural amenity of the areas, in some cases at a premium. For example, reusing the sand for nourishment is more expensive than in-estuary disposal but represents an appropriate reuse of an otherwise unutilised resource.

The proposed monitoring programs and environmental protection measures would all increase the cost of the project proposal but are considered necessary to assist with future management of the areas.

9 Conclusion

Port Macquarie-Hastings Council proposes to undertake maintenance dredging activities within Settlement Shores Estate canals to improve their navigability, which has been affected by natural sediment transport processes. The majority of the dredged material is proposed to be reused to address foreshore erosion, provide shoreline protection and stabilise the revetment walls in the canal network. Other maintenance activities are required on an ongoing basis to improve safety and amenity.

Based on the content of this REF, it is considered that the proposed works would have no long-term adverse environmental impacts provided that the safeguards as recommended in this document are implemented. In addition, a number of monitoring programs have been proposed in order to assess and guide the sustainability of the dredging works and its outcome.

The following approvals are required to enable the proposed maintenance works to be undertaken:

- NSW Environment Protection Authority (EPA)
  - application Environment Protection Licence (EPL) available under the *Protection of the Environment Operations Act 1997* to control the carrying out of non-scheduled activities for the purpose of regulating water pollution.

10 References

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Appendix A – Sediment Sampling Investigation

REPORT

Settlement Shores Canal Maintenance Plan Review Project

Sediment Sampling and Analysis Plan

Client: Port Macquarie-Hastings Council

Reference: M&APA1195R002D01

Revision: 01/Draft

Date: 20 April 2016

Royal HaskoningDHV

Enhancing Society Together

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Document title: Settlement Shores Canal Maintenance Plan Review Project

Document short title: Settlement Shores SAP
Reference: M&APA1195R002D01
Revision: 01/Draft
Date: 20 April 2016
Project name: Settlement Shores CMP
Project number: PA1195
Author(s): Ali Watters

Drafted by: Ali Watters

Checked by: Matt Potter

Date / initials: 20/04/16

Approved by:

Date / initials:

Classification
Open

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Royal HaskoningDHV

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Appendix A: Sample Location Coordinates

Appendix B: RHDHV COC form

1 Background

The Settlement Shores Estate is located approximately 3km to the north west of the Port Macquarie CBD (refer **Figure 1**). The canals themselves are classified as drainage reserves under the care and control of Council. The Settlement Shores Estate Canals are subject to a Waterway Maintenance Plan (WMP), which is linked to the titles of all properties fronting the canal area. The WMP is required under NSW legislation and addresses Council's responsibilities for ongoing maintenance of waterways and foreshores including maintenance dredging.

In order to meet its obligations under the WMP, Council has engaged Royal HaskoningDHV (RHDHV) to prepare an up-to-date Settlement Shores Canal Maintenance/Dredging Plan, which contains a 10 year prioritised maintenance task and monitoring list. A component of the work includes a sediment quality assessment of the canal maintenance dredge material.

This report outlines the proposed sediment Sampling and Analysis Plan (SAP) for investigations within Settlement Shores Estate Canals. The SAP has been prepared having regard to recommendations outlined in the relevant guideline documents including:

- ANZECC/ ARMCANZ (2000) Australian and New Zealand Guidelines for Fresh and Marine Water Quality;
- Commonwealth of Australia (2009) National Assessment Guidelines for Dredging (the NAGD);
- Acid Sulfate Soils Manual guidelines (Stone et. Al, 1998) published by the NSW Acid Sulfate Soils Management Advisory Committee (ASSMAC); and,
- NSW Environment Protection Authority (1995) Contaminated Sites: Sampling Design Guidelines.

The SAP includes the following elements:

- objectives of the SAP;
- map showing the proposed sampling locations;
- estimates of the number of samples;
- methods and procedures for sampling;
- details of methods for sample handling, preservation, storage and quality control and quality assurance (QC/QA); and,
- list of analyses required, detection limits and laboratory QC/QA procedures.

Figure 1: Location Plan

2 Compilation and Review of Existing Data

2.1 Site History

The following description of the site history has been taken from McIllawain and Boys (2001).

The total area of Settlement Shores is about 175 hectares. The site is level and for the most part was originally used for farming and grazing. The area was one of the first parts of Port Macquarie to be settled and farmed, the work being initially undertaken by convicts since the town was established as a convict jail.

The site is bordered to both the east and the west by wide tidal reaches of the Hastings River estuary.

Development of Settlement Shores was undertaken with the aim of creating a high-quality residential area taking full advantage of its attractive riverside position and close proximity to the growing resort centre of Port Macquarie.

The development was implemented in two major stages. Stage A was completed in the 1970's and consisted mainly of detached housing on the southern half of the site nearest to Port Macquarie town centre. The second stage, based around wider curved waterways, was developed with the potential to incorporate a wider variety of uses including resort accommodation, commercial and retail areas and waterfront entertainment areas surrounding large-scale harbours capable of handling a variety of watercraft.

2.2 Previous Sediment Investigations

A sediment sampling and analysis program was undertaken in June 2003 (GHD 2004) to support the last round of maintenance dredging. No visual signs of contamination, such as staining or odours, were noted during the investigation.

Analysis of heavy metal concentrations was undertaken for the 24 samples collected. Concentrations of arsenic, nickel and lead exceeding the ANZECC 2000 sediment quality guidelines were reported in four samples. No samples exceeded the health based soil investigation guidelines for parks and open spaces (NEPC, 1999). Organochlorine pesticides were not detected in any of the 24 samples analysed. Relatively high levels of organic nitrogen were reported in the majority of samples analysed, while inorganic nitrogen (nitrates and nitrites) were close to or below detection limits in all samples analysed. Reactive phosphorus was also reported at close to or below detection limits in all samples analysed.

It was concluded, based on the analyses, that disposal of the dredged material on the banks of the canal system was not considered to represent a significant risk to human health and/or the environment.

2.3 Contaminants of Potential Concern

Based on the review of the site history and previous sediment investigations within Settlement Shores Estate canals, Contaminants of Potential Concern (CoPC) have been identified for the proposed sampling and testing program.

Testing will include physical and geochemical analysis. Samples will be tested for analytes listed in **Table 1** below.

Table 1: Contaminants of Potential Concern

CoPC
Trace metals
Organics (PAHs, TPH, BTEX, PCBs, OC/OP pesticide)
Total organic carbon (TOC)
Nutrients
Tributyltin (TBT)
Particle size distribution (hydrometer)

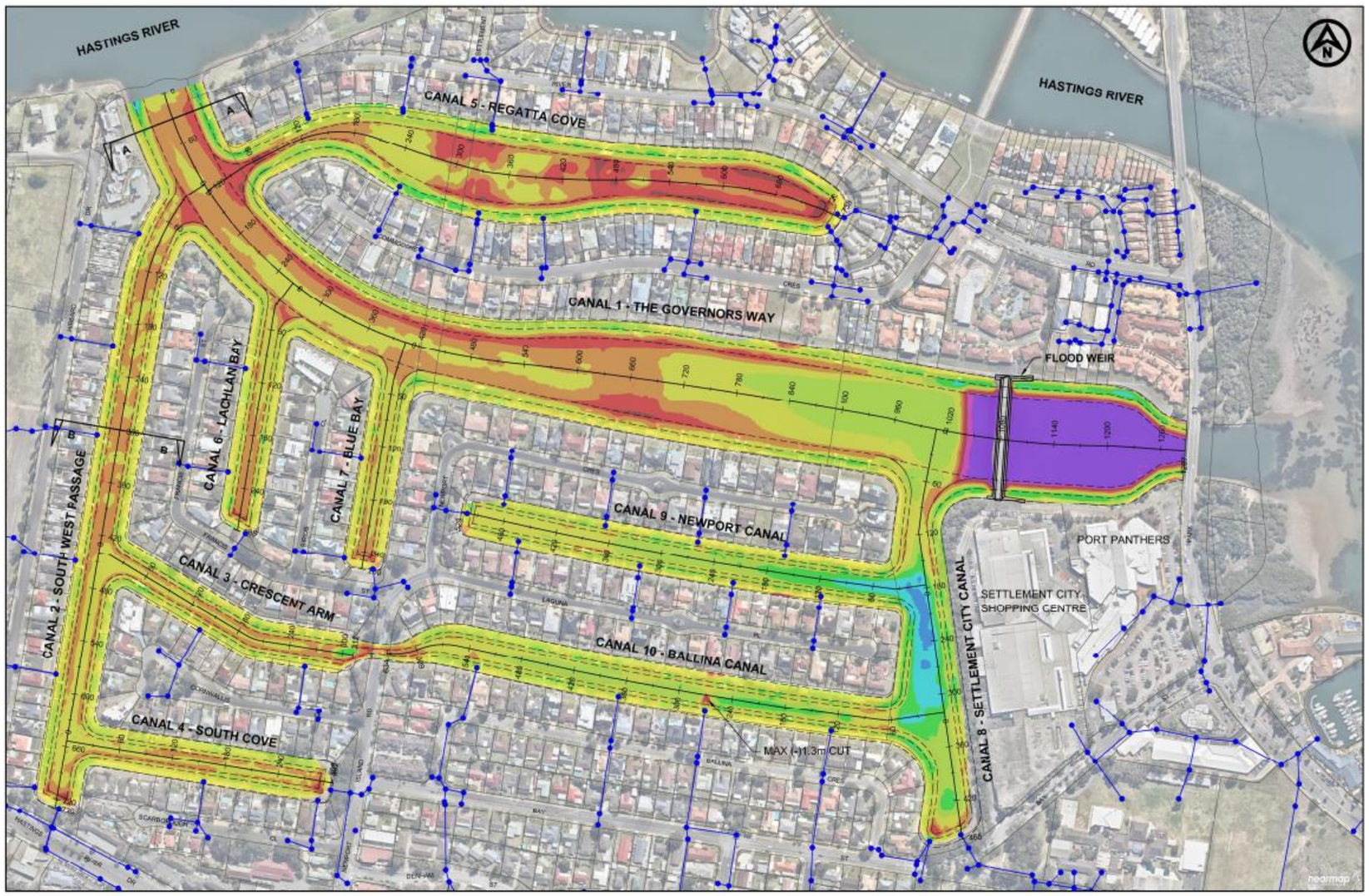
3 Dredging Proposal

The key elements of the maintenance dredging for Settlement Shores Estate canals will comprise:

- dredging Canal 1 to 5 to RL -4.28 m (relative to Australian Height Datum)
- dredging all other canals to RL -2.16 m (relative to Australian Height Datum)
- dredging to provide sufficient channel width and stable slopes.

Typical cross sections of the canals are shown on **Figure 2**. The area to be dredged is indicatively shown on **Figure 2** as areas of cut (existing surface above design surface) and will require approximately 32,050 m^3 of maintenance dredging. This total volume broken down for each canal is also shown on **Figure 2**.

PA1195/MA/1002 **DO NOT SCALE**



PLAN
1:2,500 (A1)

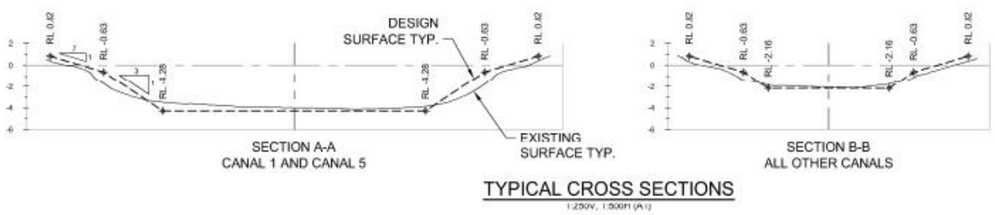
LEGEND

STORMWATER

DESIGN SURFACE LINES

VERTICAL DIFFERENCE BETWEEN EXISTING SURFACE AND DESIGN SURFACE (m):

FILL: (EXISTING SURFACE BELOW DESIGN SURFACE)	CUT: (EXISTING SURFACE ABOVE DESIGN SURFACE)
2.5 - 3.0	(-) 0.5 - 0.0
2.0 - 2.5	(-) 1.0 - 0.5
1.5 - 2.0	(-) 1.5 - 1.0
1.0 - 1.5	(-) 2.0 - 1.5
0.5 - 1.0	(-) 2.5 - 2.0
0.0 - 0.5	



TYPICAL CROSS SECTIONS
1:250V, 1:500H (A1)

NOTES

1. VOLUMES ARE BASED ON:
   a. EXISTING SURFACE - SURVEY UNDERTAKEN BY ASTUTE SURVEYING PTY LTD (DEC. 2015), COMPARED TO,
   b. DESIGN SURFACE - DESIGNED BY GHD (2006)
2. DESIGN SURFACE LEVELS, REFER TYPICAL SECTIONS BELOW:
   a. CANAL 1 AND CANAL 5 TO RL -4.28
   b. ALL OTHER CANALS TO RL -2.16

VOLUME QUANTITIES

CANAL No.	CANAL NAME	CUT (m³)
1	THE GOVERNORS WAY	67,550 (EXC. WEIR 15,100)
2	SOUTH WEST PASSAGE	1,590
3	CRESCENT ARM	550
4	SOUTH COVE	420
5	REGATTA POINT	12,930
6	LACHLAN BAY	380
7	BLUE BAY	270
8	SETTLEMENT CITY CANAL	280
9	NEWPORT CANAL	100
10	BALLINA CANAL	290
TOTAL		84,500
TOTAL (EXC. WEIR)		32,050

AUSTRALIAN HEIGHT DATUM

NOT FOR CONSTRUCTION

50 0 50 100 150 200 250m
1:2500 (A1) 1:5000 (A3)
5 0 5 10 15 20 25m
1:250 (A1) 1:500 (A3)
10 0 10 20 30 40 50m
1:500 (A1) 1:1000 (A3)

REV	DATE	DESCRIPTION	BY	CHK	APPD
A	22.02.2016	ISSUED FOR REVIEW	BAM	MP	

REVISIONS

CLIENT: PORT MACQUARIE HASTINGS

PROJECT: PORT MAQUARIE SETTLEMENT SHORES

DRAWING TITLE: PLANS DESIGN SURFACE AND VOLUME COMPARISON

HASKONING AUSTRALIA PTY LTD SYDNEY

Royal HaskoningDHV Enhancing Society Together

DRAWN BAM	DATE 22/02/2016	JOB No. PA1195

AUTOCAD REF. PA1195-MA-CIVIL MODEL-REV B

SCALE AT A1 AS SHOWN

DRAWING No. PA1195/MA/1002 REVISION A

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Figure 2: Dredge Design and Volumes

4 Proposed Sampling and Testing

4.1 Objectives

The objective of this sediment quality assessment is to determine the physical and chemical quality of the sediments to be dredged.

4.2 Sample locations

Samples will be collected from 10 locations within the proposed dredge footprint as shown on **Figure 3**. A judgemental rather than random sampling plan has been adopted in order to target the areas of sediment accumulation throughout the canals. The number and locations of proposed samples have been determined in accordance with the National Assessment Guidelines for Dredging 2009 (NAGD).

Hydrographic survey analysis undertaken (refer **Figure 2**) determined that to restore canal bed levels to the original design levels requires dredging of approximately 32,050 m^3 of material. This volume excludes the shallow areas around the weir that as previously agreed comprise either existing rock protection structures or areas downstream of the weir that are not intended to be maintained as a navigable waterway. The analysis has also determined that the depths of dredging required at several locations exceed 0.5 metres and are up to 1.5 metres. These areas include Regatta Cove (Canal 5), The Governors Way (Canal 1) and localised areas around stormwater outlets.

Industry guidelines recommend sediment sampling at 0.5m increments through the depth of dredging to obtain representative sediment characterisation. Piston coring is proposed to recover samples with depth at each nominated location.

4.3 Sample Collection

The coordinates for each proposed sampling location are included in **Appendix A**. An onboard GPS will be used to position the sampling vessel at the nominated sampling locations. The GPS has an accuracy of +/-0.1m. However, following manoeuvring of the vessel into position and recovery of the sample from the sea bed, the positioning of cores is likely to have an accuracy of +/-5m.

The piston coring would be undertaken by Geochemical Assessments Pty Ltd. Prior to sampling, all equipment will be thoroughly inspected and washed down. Any evident sources of contamination will be cleaned and surfaces covered in plastic to avoid accidental contamination of any samples.

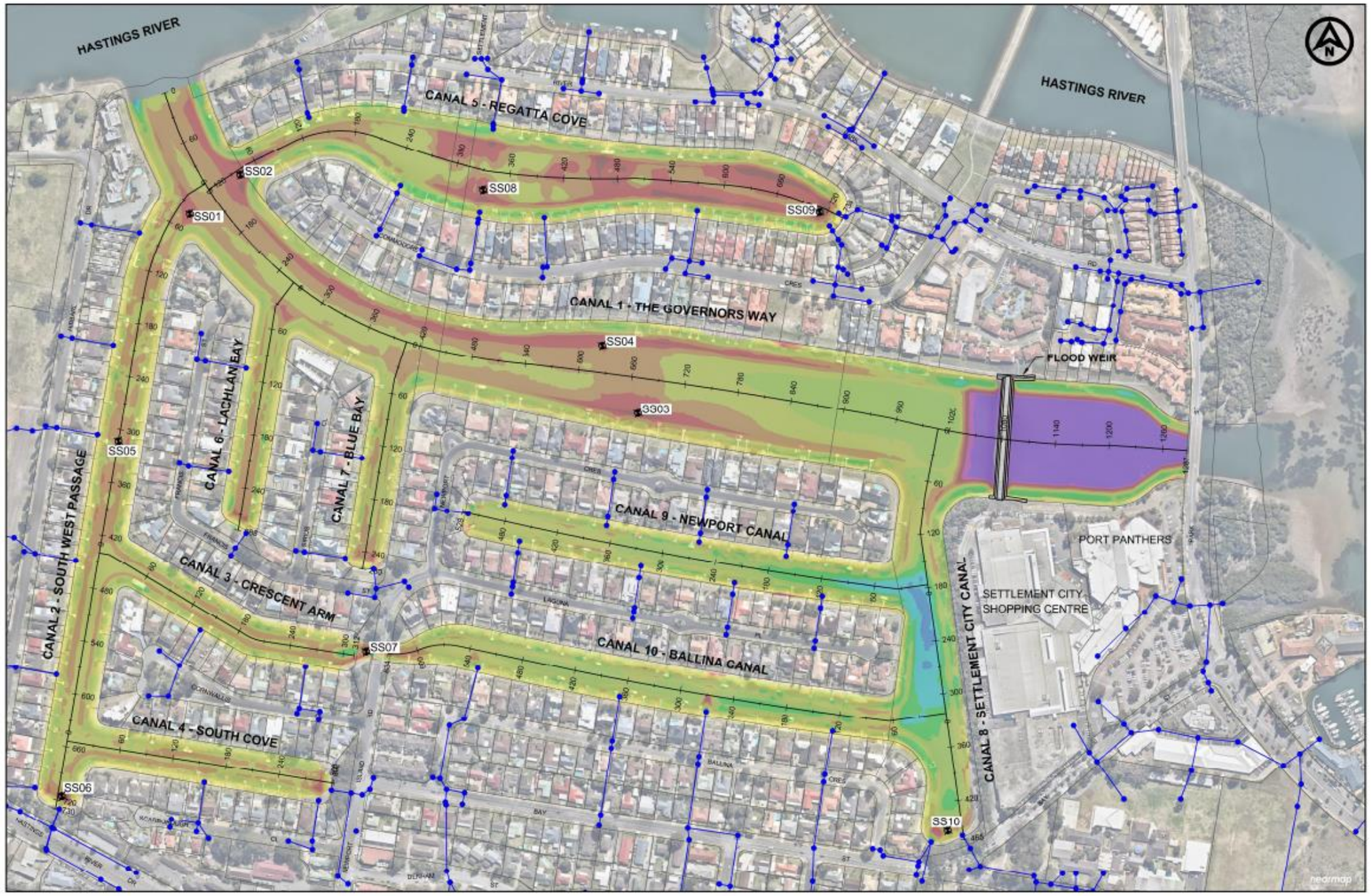
Up to 3 sub-samples will be collected from each piston core sample.

The following volumes will be retained:

- 250g homogenised sample for particle size analysis transferred to a ziplock plastic bag;
- 250g homogenised sample for ASS transferred to a ziplock plastic bag; and,
- 2 x 250ml homogenised sample for chemical analysis at all locations. Samples would be transferred to glass jars with Teflon lined lids with zero headspace.

Each jar/bag will be filled with zero headspace and tightly sealed to avoid loss of sample. Each container will be labelled with a unique identification number and each sample will be recorded on a log sheet.

Sediment will typically adhere to the outside of the sample containers. To avoid cross contamination, after each container is sealed, the outside of each sample container will be washed with canal water.



1. VOLUMES ARE BASED ON:
   a. EXISTING SURFACE - SURVEY UNDERTAKEN BY ASTUTE SURVEYING PTY LTD (DEC, 2015), COMPARED TO,
   b. DESIGN SURFACE - DESIGNED BY GHD (2006)
2. DESIGN SURFACE LEVELS, REFER TYPICAL SECTIONS BELOW:
   a. CANAL 1 AND CANAL 5 TO RL -4.28
   b. ALL OTHER CANALS TO RL -2.16

LEGEND

STORMWATER

VERTICAL DIFFERENCE BETWEEN EXISTING SURFACE AND DESIGN SURFACE (m):

FILL: (EXISTING SURFACE BELOW DESIGN SURFACE)	CUT: (EXISTING SURFACE ABOVE DESIGN SURFACE)
2.5 - 3.0	(-) 0.5 - 0.0
2.0 - 2.5	(-) 1.0 - 0.5
1.5 - 2.0	(-) 1.5 - 1.0
1.0 - 1.5	(-) 2.0 - 1.5
0.5 - 1.0	(-) 2.5 - 2.0
0.0 - 0.5	

SS01 PROPOSED SAMPLE LOCATION

PROPOSED SAMPLE COORDINATES (MGA ZONE 56)

SAMPLE ID	EASTING	NORTHING
SS01	489065.78	6523542.35
SS02	489122.28	6523586.21
SS03	489567.00	6523319.59
SS04	489527.18	6523395.10
SS05	488985.93	6523288.17
SS06	488922.65	6522891.19
SS07	489263.08	6523052.85
SS08	489393.85	6523569.53
SS09	489770.22	6523544.20
SS10	489913.44	6522852.59

AUSTRALIAN HEIGHT DATUM

NOT FOR CONSTRUCTION

50 0 50 100 150 200 250m

1:2500 (A1) 1:5000 (A3)

Figure 3: Proposed Sample Locations

4.4 Estimated Number of Samples

For an estimated 32,050 m^3 of potentially contaminated sediment, the number of sampling locations required as specified in the NAGD is 10 discrete locations. For the proposed piston core locations, one subsample will be collected from each 0.5m depth increment within the core. The total number of subsamples collected is estimated to be 20 samples (refer **Table 2**).

In addition, a field duplicate will be collected at two locations.

Table 2: Estimated Sample Numbers

Canal	Sample location ID	Estimated thickness of sediment above design dredge depth	Proposed number of samples	Sample interval (m)	Suite of tests
1	SS1	1m	2	0-0.5	heavy metals, ASS screening
				0.5-1.0	heavy metals, ASS screening
	SS2	1m	2	0-0.5	heavy metals, ASS screening
				0.5-1.0	heavy metals, ASS screening
	SS3	1.5m	3	0-0.5	heavy metals, ASS screening, organics, nutrients and PSD
				0.5-1.0	heavy metals, ASS screening, organics, nutrients and PSD
				1.0-1.5	heavy metals, ASS screening
	SS4	1m	2	0-0.5	heavy metals, ASS screening
				0.5-1.0	heavy metals, ASS screening
2	SS5	0.5m	1	0-0.5	heavy metals, ASS screening
	SS6	1m	2	0-0.5	heavy metals, ASS screening, organics, nutrients and PSD
				0.5-1.0	heavy metals, ASS screening
3	SS7	1m	2	0-0.5	heavy metals, ASS screening
				0.5-1.0	heavy metals, ASS screening
5	SS8	1m	2	0-0.5	heavy metals, ASS screening, organics, nutrients and PSD
				0.5-1.0	heavy metals, ASS screening, organics, nutrients and PSD
	SS9	1.5m	3	0-0.5	heavy metals, ASS screening
				0.5-1.0	heavy metals, ASS screening
				1.0-1.5	heavy metals, ASS screening
8	SS10	0.5m	1	0-0.5	heavy metals, ASS screening
		total number of samples:	20		

4.5 Sample Preservation

All samples will be packed in ice in an esky immediately after sampling to maintain the temperature below 4°C. Samples will then be submitted to the analytical laboratory on the same day or the following morning.

If overnight storage of ASS samples is required, samples will be frozen.

4.6 Sample Shipment

All sample containers will be clearly labelled with unique sample identification numbers. Samples will be transported in an esky in ice to the relevant analytical laboratory nominated for each of the analyses required. Royal HaskoningDHV will coordinate the analysis of the samples.

All samples will be transported under Royal HaskoningDHV chain of custody procedures. A copy of the chain of custody form is included in **Appendix B**.

4.7 Analysis Schedule

4.7.1 Physical Analysis

Physical testing will comprise determination of the particle size distribution (PSD) by sieve analysis and hydrometer, and reporting of percentage gravel, sand, silt and clay. PSD testing will be undertaken on 20% of samples recovered.

4.7.2 Chemical Analysis

The laboratory selected to undertake the chemical testing is ALS (NATA registered). The proposed suite of tests comprises:

- A suite of heavy metals on all samples;
- Polycyclic aromatic hydrocarbons (PAHs), BTEX, PCBs, OC/OP pesticides, tributyltin (TBT), nutrients and total organic carbon (TOC) on 20% of samples; and,
- ASS screen testing on all samples.

Based on our experience, some detailed ASS (chromium suite) testing is likely. Similarly, TCLP testing is likely to be required for waste classification of the dredge material.

Statistical analysis and tabulation of data will be undertaken following data validation. Data management of the analysis results will be in accordance with the requirements of NAGD. Validation of data will include consideration of field QA/ QC procedures and evaluating the results from laboratory blanks, standard samples, field triplicate samples and split triplicate samples.

4.8 Equipment and Personnel

The equipment required for the sampling program is summarised as follows:

- piston corer
- tarpaulin/ plastic sheeting for containment of sediment
- measuring tape
- stainless steel bowl and spoons
- nitrile gloves and PPE
- Decon90 detergent (diluted to 5% with deionised water)
- sample containers and zip-lock bags
- permanent markers and other stationary
- eskies and ice
- camera
- data forms for recording field measurements and logging samples
- chain of custody forms

An experienced environmental scientist from Royal HaskoningDHV will coordinate the sampling program. Geochemical Assessments personnel will operate the piston corer and assist in the subsampling.

4.9 Health and Safety Precautions

The sampling program will adhere to Royal HaskoningDHV and Geochemical Assessments HSE systems .

Safe Work Method Statements would be prepared for the coring and subsampling components of the proposed investigation.

4.10 Contingency Plan

Sampling may be delayed where severe weather is forecast, or due to equipment failure. In the event of delay, the sampling would be recommenced following the improvement in the weather or fixing of the equipment.

5 QA/QC Procedures

5.1 Field QA/QC Procedures

Field QA/QC procedures will include the following:

- Sample Location: An onboard position fixing system will be used to locate the sampling locations.
- Decontamination of Sampling Equipment: Prior to use, the vessel will be thoroughly inspected and washed down. Any evident sources of contamination would be cleaned and covered in plastic to avoid accidental contamination of any samples. All surfaces used for sample handling will also be covered in plastic sheeting prior to subsampling. All sampling equipment that comes into contact with the sediment samples will be decontaminated (using Decon 90) prior to each sampling event.
- Field duplicate: A Duplicate Sample will be analysed and used to give an indication of the variability in the chemical properties of the sediment at a sample location.
- Field Documentation: Each sample location will be numbered on a sampling plan in the field logbook. All other observations including weather, time, date of sampling, water depth, and depth of core penetration will be noted in the field logbook. Time, date, core compaction and appearance of the sediments, e.g. texture, colour, odour and the like will also be reported in the field logbook during sub-sampling.
- Cross Contamination: Following sampling, to avoid cross contamination, each sample jar will be washed with water to remove sediment adhering to the outside of the sample containers.
- Sample Control: Each sample will have a unique identification number, which will be recorded in the field log book and chain of custody form. A chain of custody form will accompany the sediment samples at all times and will include the analysis method required of each laboratory.

5.2 Laboratory QA/QC Procedures

Laboratory QA/QC procedures for the chemical analyses will include the following:

- Analysis Blanks: One per analytical run or one in every 20 samples, whichever is the smaller.
- Laboratory Duplicate: One in every 10 samples or client batch, whichever is the smaller.
- Laboratory Control Standard: One per analytical run or one in every 20 samples, whichever is the smaller.
- Laboratory Matrix Spike: One in every 20 samples or client batch, whichever is the smaller.
- Matrix Spike: One in every 20 samples or client batch, whichever is the smaller.
- Surrogate Spike: For determinations that are appropriate, surrogate spikes will be added to all samples for analysis.
- Calibration Blank and Mid Range Calibration Verification: One per analytical run or one in every 20 samples, whichever is the smaller.

6 Reporting

The main findings of the proposed sampling and testing investigation will be documented in a factual report. Reporting will be in accordance with the NAGD and NSW EPA (1997) reporting guidelines. The report will include:

- a description of the sampling program;
- tabulation of all laboratory results and a copy of the original laboratory sheets;
- results for organic analytes normalised to 1% total organic carbon (within limits of 0.2 to 10% TOC);
- statistical analysis of the results to calculate the mean, and standard deviation and the 95% upper confidence limit of the mean (95% UCL);
- comparison of geochemical results to relevant guidelines. Where values are less than the detection limit, a nominal value of one half of the detection limit will be used in the statistical analysis of the results; and,
- reporting of all QA/QC.

Appendix A: Sample Location Coordinates

PROPOSED SAMPLE COORDINATES (MGA ZONE 56)		
SAMPLE ID	**EASTING**	**NORTHING**
SS01	489065.78	6523542.35
SS02	489122.28	6523586.21
SS03	489567.00	6523319.59
SS04	489527.18	6523395.10
SS05	488985.93	6523288.17
SS06	488922.65	6522891.19
SS07	489263.08	6523052.85
SS08	489393.85	6523569.53
SS09	489770.22	6523544.20
SS10	489913.44	6522852.59

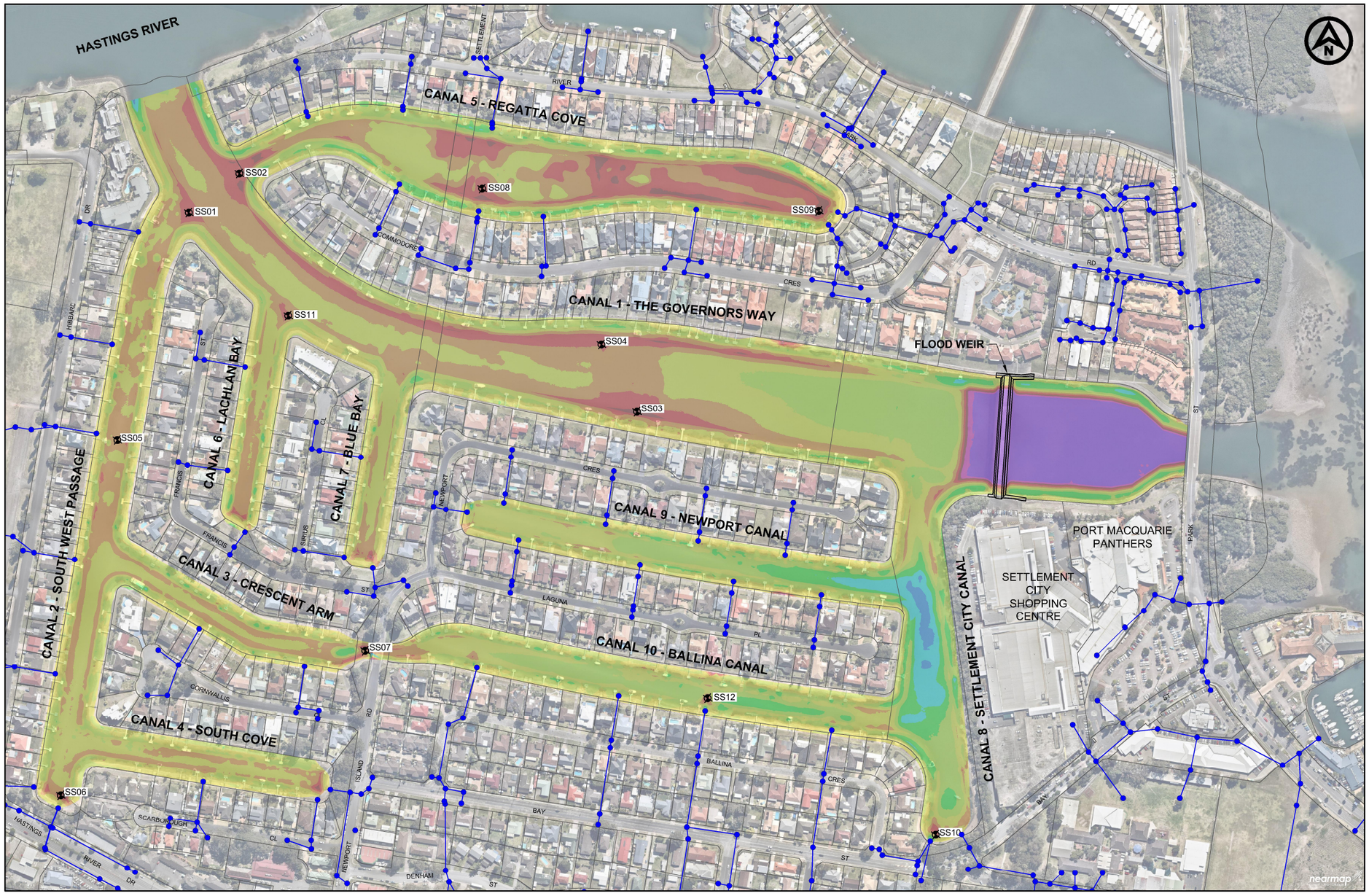
Appendix B: RHDHV COC form

Royal HaskoningDHV Enhancing Society Together	**CHAIN OF CUSTODY**			**Geochemical Assessments Pty Ltd** Dr Stuart Taylor 0403977209 **Unit 22, 28 Barcoo Street, Roseville Chase**			
CLIENT: RHDHV							
OFFICE: North Sydney							
PROJECT:							
PROJECT MANAGER:	**CONTACT PH:**						
SAMPLER:	**SAMPLER MOBILE:**		**RELINQUISHED BY:**	**RECEIVED BY:**	**RELINQUISHED BY:**	**RECEIVED BY:**	
Email Reports to:			DATE/TIME:	DATE/TIME:	DATE/TIME:	DATE/TIME:	
Email Invoice to:							
COMMENTS/SPECIAL HANDLING/STORAGE OR DISPOSAL:							

	SAMPLE DETAILS MATRIX: SOLID (S) WATER (W)			**CONTAINER INFORMATION**		**ANALYSIS REQUIRED**								**Additional Information**
	SAMPLES	**DATE / TIME**	**MATRIX**	**TYPE & PRESERVATIVE**	**TOTAL CONTAINERS**									Comments on likely contaminant levels, dilutions, or samples requiring specific QC analysis etc.
				TOTAL										

Royal HaskoningDHV
Enhancing Society Together

SEDIMENT SAMPLE LOCATIONS



LEGEND

STORMWATER

SS01 SEDIMENT SAMPLE LOCATION

VERTICAL DIFFERENCE BETWEEN EXISTING SURFACE AND DESIGN SURFACE (m):

FILL: (EXISTING SURFACE BELOW DESIGN SURFACE)	CUT: (EXISTING SURFACE ABOVE DESIGN SURFACE)
2.5 - 3.0	(-) 0.5 - 0.0
2.0 - 2.5	(-) 1.0 - 0.5
1.5 - 2.0	(-) 1.5 - 1.0
1.0 - 1.5	(-) 2.0 - 1.5
0.5 - 1.0	(-) 2.5 - 2.0
0.0 - 0.5	

50 0 50 100 150 200 250m

1:2500 (A1) 1:5000 (A3)

PA1195
SETTLEMENT SHORES CANAL MAINTENANCE PLAN
\\HKA-SERVER\Public\CURRENT JOBS\~PA1195 - Port Macquarie Settlement Shores Canal\E10 Working Drawings\PA1195-MA-Civil Model-Rev B.dwg

SAVED: 6-Jul-16

Location: SS01
Easting (MGA Zone 56): 489065.78
Northing (MGA Zone 56): 6523542.35
Surface RL (m AHD): -2.8

Depth Range (m)	Description
Surface	Refusal on hard surface. Less than 0.1m sediment overlying.

Location: SS02
Easting (MGA Zone 56): 489122.28
Northing (MGA Zone 56): 6523586.21
Surface RL (m AHD): -3.5

Depth Range (m)	Description
0 - 0.5	Soft dark grey, sandy mud. Sand content increasing with depth, particularly at 0.4-0.5m. Faecal pellets in top 0.1m.
0.5 - 1.0	Fine-grained sand with trace mud. Light grey with distinct brown tinge (could be brown organic material, humic/coffee rock). Refusal at 1m depth.

Location: SS03
Easting (MGA Zone 56): 489567
Northing (MGA Zone 56): 6523319.59
Surface RL (m AHD): -3.1

Depth Range (m)	Description
0 - 0.5	Muddy sand with dark grey colouration (paler with depth). Lenses of humic/coffee rock material (0.32-0.36m).
0.5 - 1.08	Clean fine-grained quartzose sand with trace mud. Fines may be clay sized. Last 10cm is soft but is firm otherwise.
1.08 - 1.1	Pale green sandy gravelly clay (green coloured gravel).

Location: SS04
Easting (MGA Zone 56): 489527.18
Northing (MGA Zone 56): 6523395.1
Surface RL (m AHD): -3.7

Depth Range (m)	Description
0 - 0.1	Dark grey, hydrous, sandy mud with faecal pellets (from worms). Very soft.
0.1 - 0.5	Dark grey coloured sandy mud with trace gravel.
0.5 - 0.85	Sandy mud. Increased sand content with depth.
0.85 - 1.15	Sandy with some mud (silt/clay). Bottom of core refused on hard material, likely to be stiff clay. Bottom of core at 1.15m contained greeny coloured weathered rock fragments and brown humic rock.

Location: SS05
Easting (MGA Zone 56): 488985.93
Northing (MGA Zone 56): 6523288.17
Surface RL (m AHD): -2.0

Depth Range (m)	Description
0 - 1.2	Grey/brown muddy sand with minor shell content. Firm consistency 0.95-1.2m, otherwise soft.

Location: SS06*
Easting (MGA Zone 56): 488922.65
Northing (MGA Zone 56): 6522891.19
Surface RL (m AHD): -1.0

Depth Range (m)	Description
0 - 0.4	Gravelly, medium quartzose sand with trace mud (5%). Gravel comprises quartz pebbles and lithic fragments. Vegetative material present including organic matter (broken down leaves). Greg to dark grey colour.
0.4 - 0.87	Slightly muddy, medium quartzose sand (well sorted). Browny grey colour.
0.87 - 0.92	Sandy mud. Grey colour.
0.92 - 1.05	Slightly muddy quartzose sand. Grey to light brown colour.

* Duplicate sample taken SS06 0-0.5m (QAQC1)

Location: SS07
Easting (MGA Zone 56): 489263.08
Northing (MGA Zone 56): 6523052.85
Surface RL (m AHD): -1.8

Depth Range (m)	Description
0 - 0.78	Light tan coloured sand, well sorted and fine grained with trace mud. Minor shell fragment present.
0.78 - 1.0	Similar sand with higher mud content (5-10%). Darker grey to brown colour.

Location: SS08
Easting (MGA Zone 56): 489393.85
Northing (MGA Zone 56): 6523569.53
Surface RL (m AHD): -3.5

Depth Range (m)	Description
0 - 0.55	Dark grey muddy sand. Soft consistency.
0.55 - 1.0	Grey, gravelly (shell fragments) sand with trace mud. Soft consistency.

Location: SS09*
Easting (MGA Zone 56): 489770.22
Northing (MGA Zone 56): 6523544.2
Surface RL (m AHD): -3.0

Depth Range (m)	Description
0 - 0.35	Light grey, well sorted sand with trace mud.
0.35 - 0.85	Dark grey muddy sand.
0.85 - 1.55	Light grey sand with trace mud.

* Duplicate sample taken SS09 0.5-1.0m (QA/QC2)

Location: SS10
Easting (MGA Zone 56): 489901
Northing (MGA Zone 56): 6522847
Surface RL (m AHD): -1.4

Depth Range (m)	Description
0 - 0.08	Muddy sand, dark grey to black colour. Surface layer of decomposing leaves/sticks (2cm thick). Sulphidic odour.
0.08 - 0.6	Muddy sand with trace gravel (shell fragments). Grey colouration. Organic rich layer between 0.24m and 0.27m. Higher mud content between 0.45m and 0.6m. Sulphidic odour.

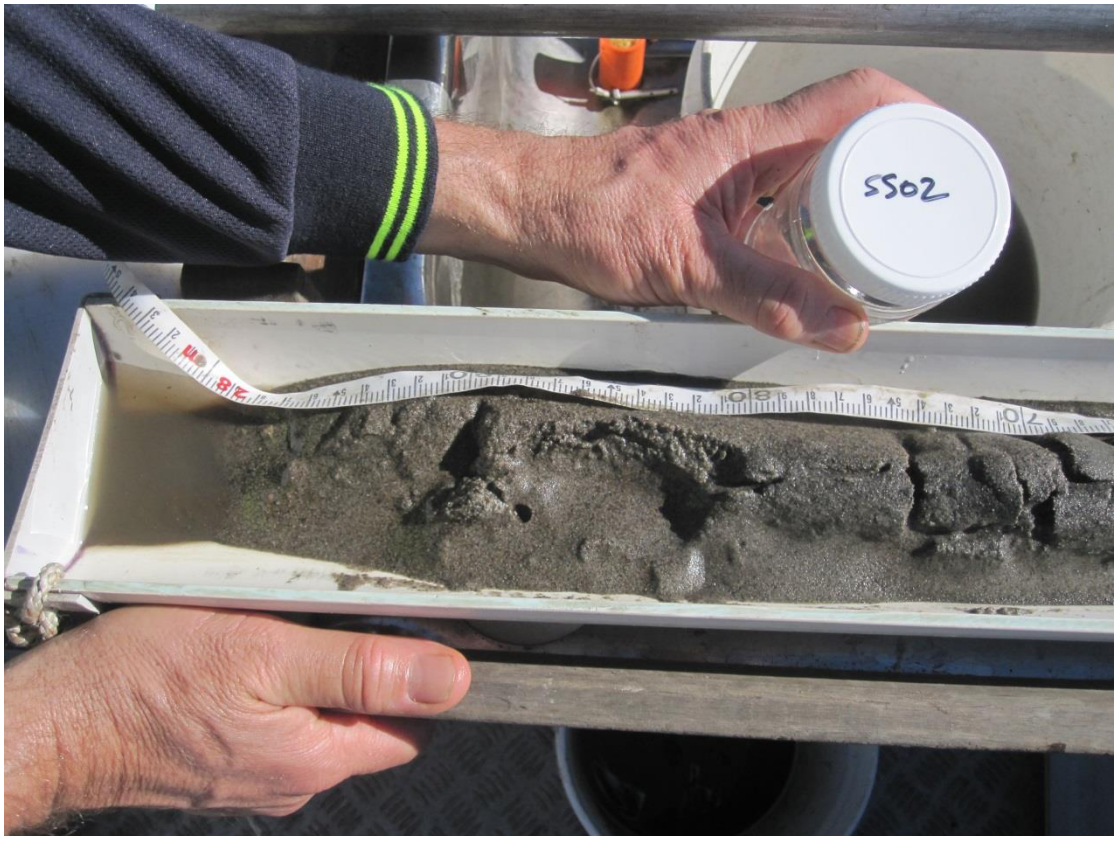
Location: SS11
Easting (MGA Zone 56): 489177
Northing (MGA Zone 56): 6523427
Surface RL (m AHD): -2.9

Depth Range (m)	Description
0 - 0.2	Black sandy mud. Very soft with faint sulphidic odour.
0.2 - 0.75	Grey muddy sand. Firm consistency.
0.75 - 1.05	Brown muddy sand. Gravel/shell layer 1.04-1.05m.
1.05 - 1.07	Fine grey sand.
1.07 - 1.1	Grey muddy sand.

Location: SS12
Easting (MGA Zone 56): 489646
Northing (MGA Zone 56): 6523000
Surface RL (m AHD): -0.9

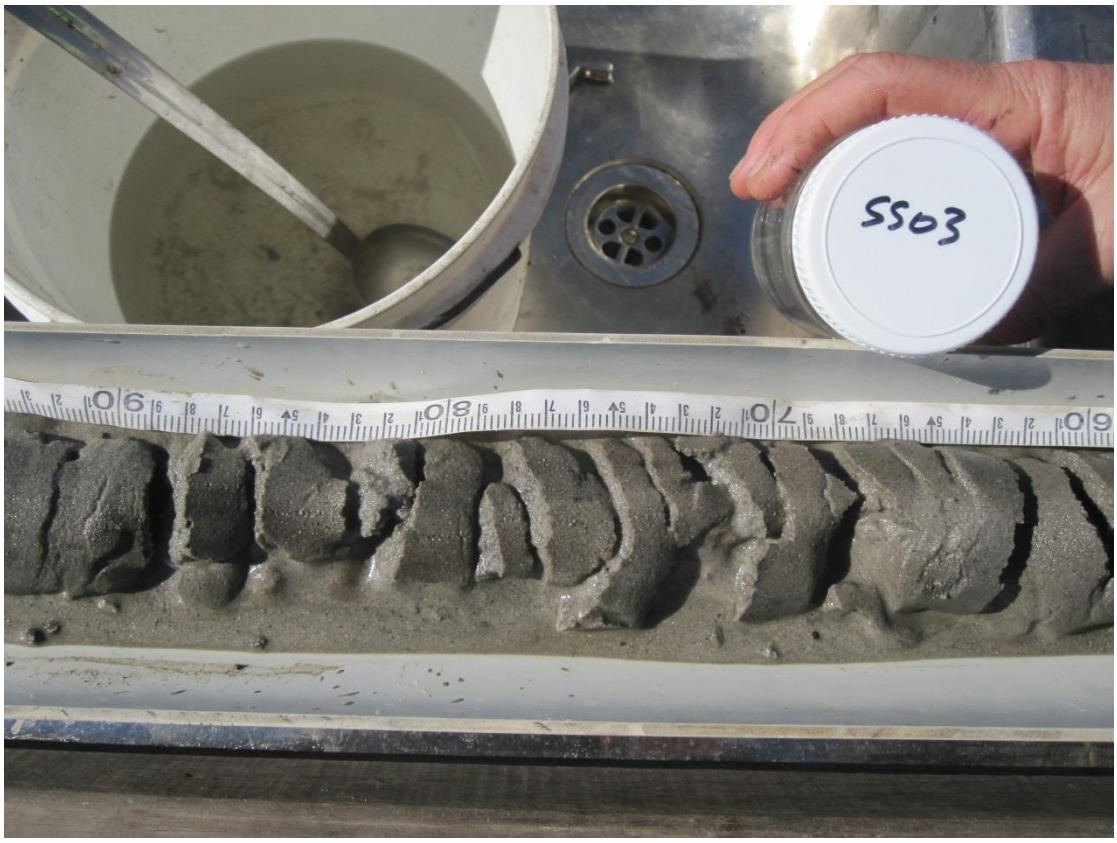
Depth Range (m)	Description
0 - 0.28	Sandy gravel. Lithic fragments to 3cm size. Black colouration with faint sulphidic odour.
0.28 - 0.6	Sandy gravel. Abundant lithic fragments, rounded/angular with occasional shells. Black colouration with anoxic sulphidic odour.

LOCATION: SS02



LOCATION: SS03

5503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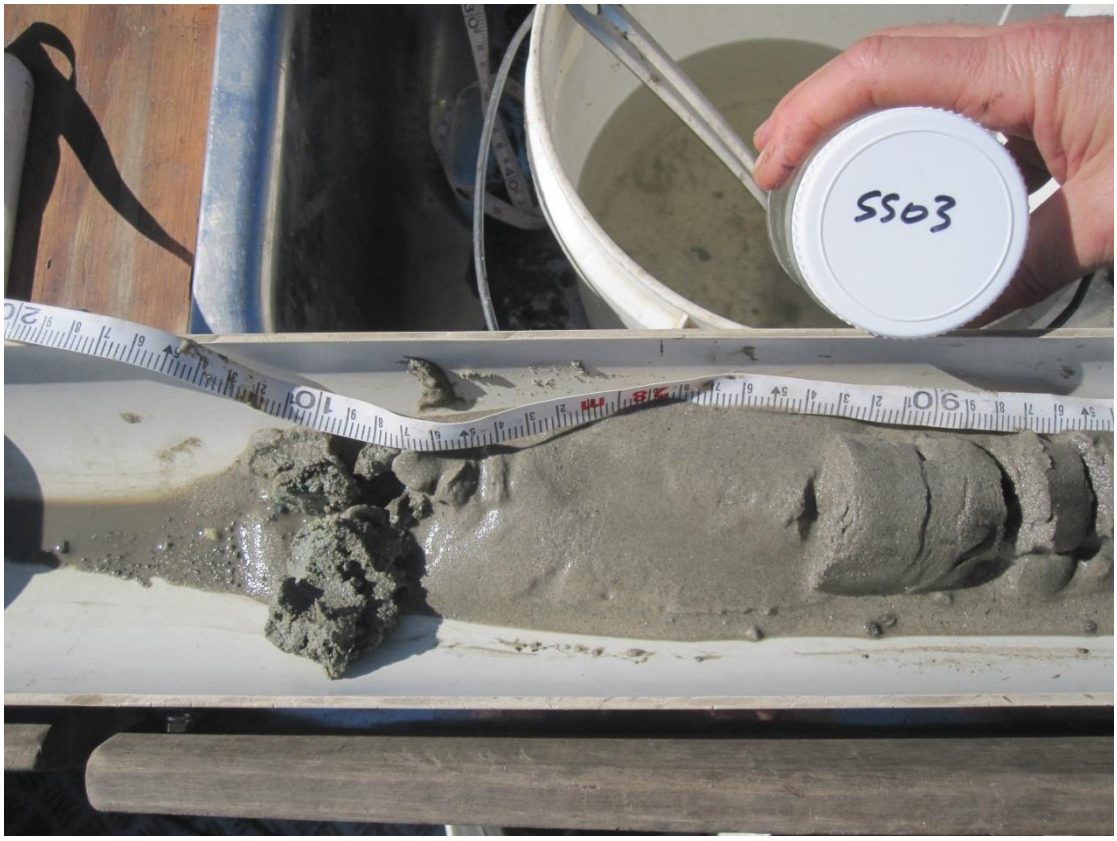
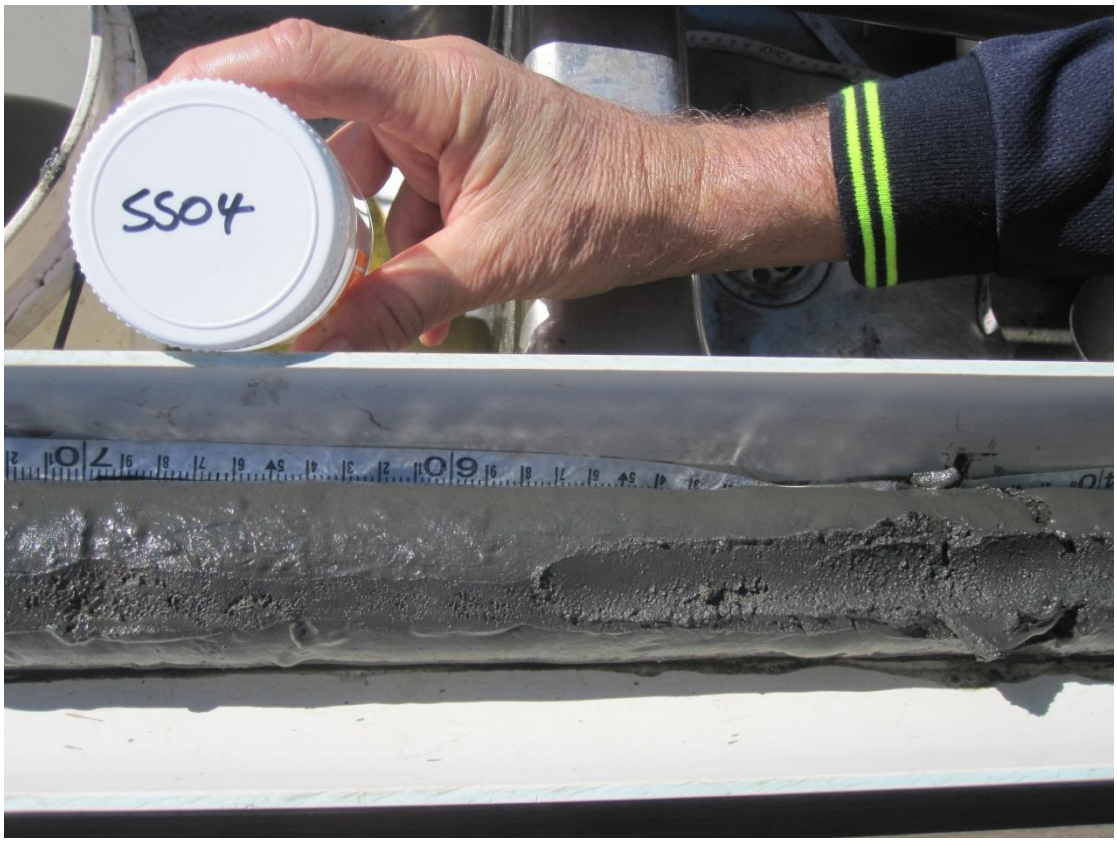


LOCATION: SS04

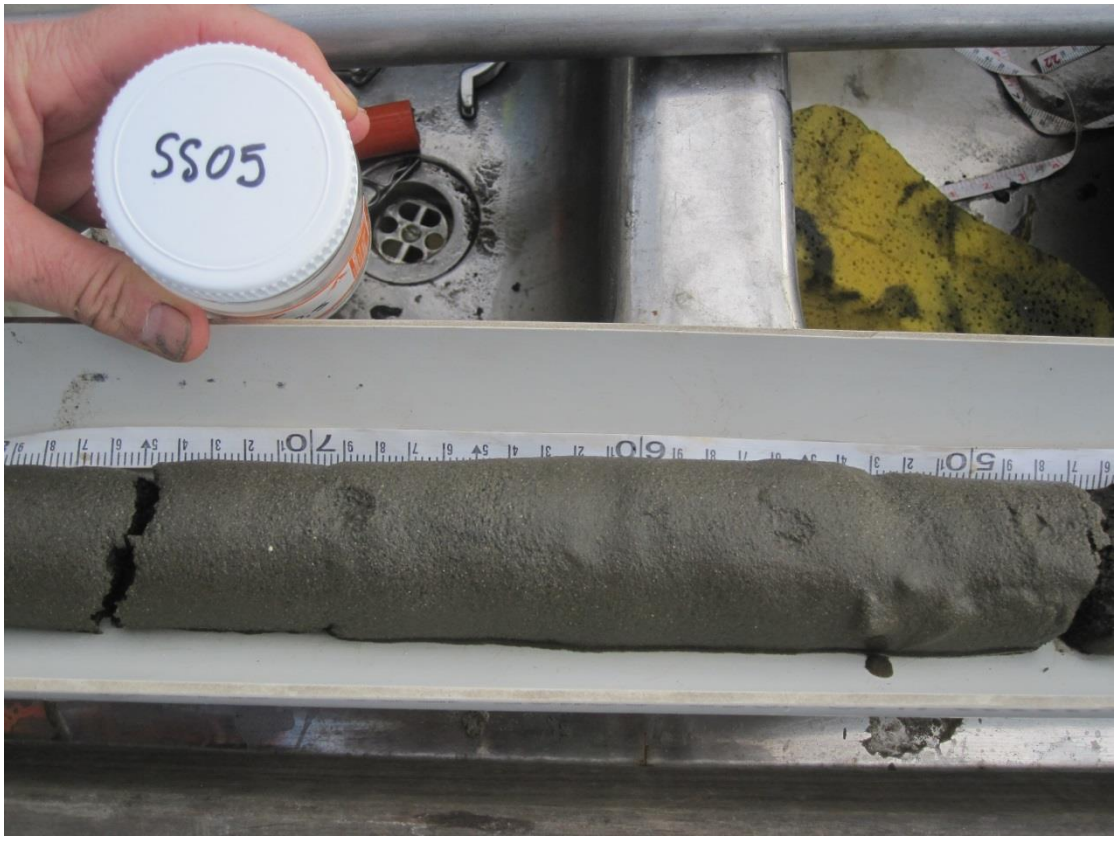
SS04


SS04

SS04

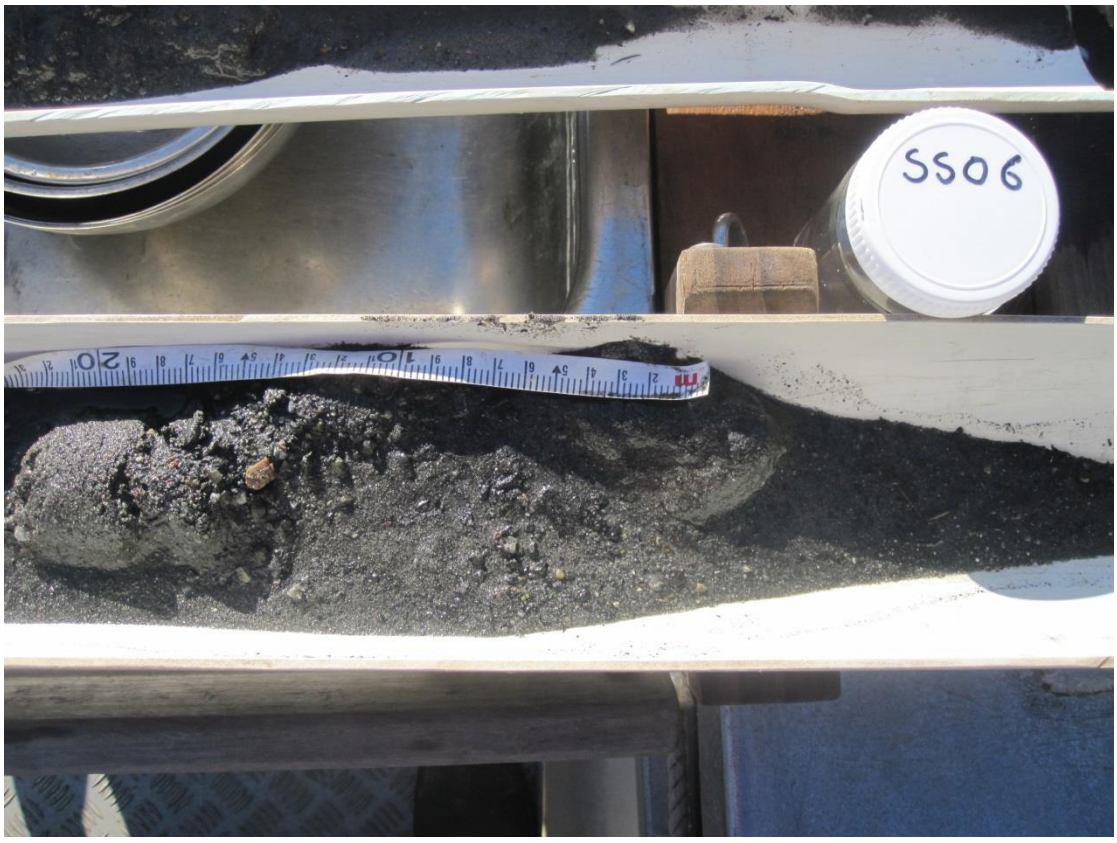
SS04

LOCATION: SS05

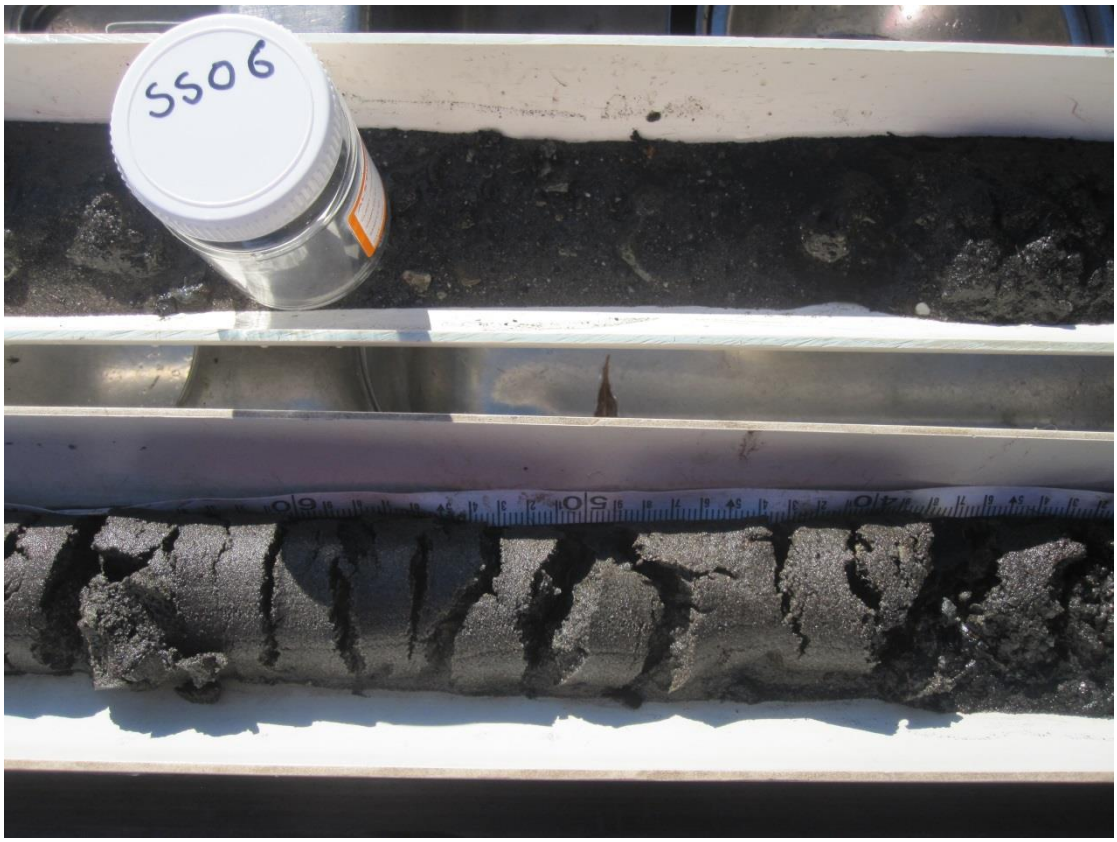

SS05

SS05

LOCATION: SS06



SS06


SS06

SS06

SS06

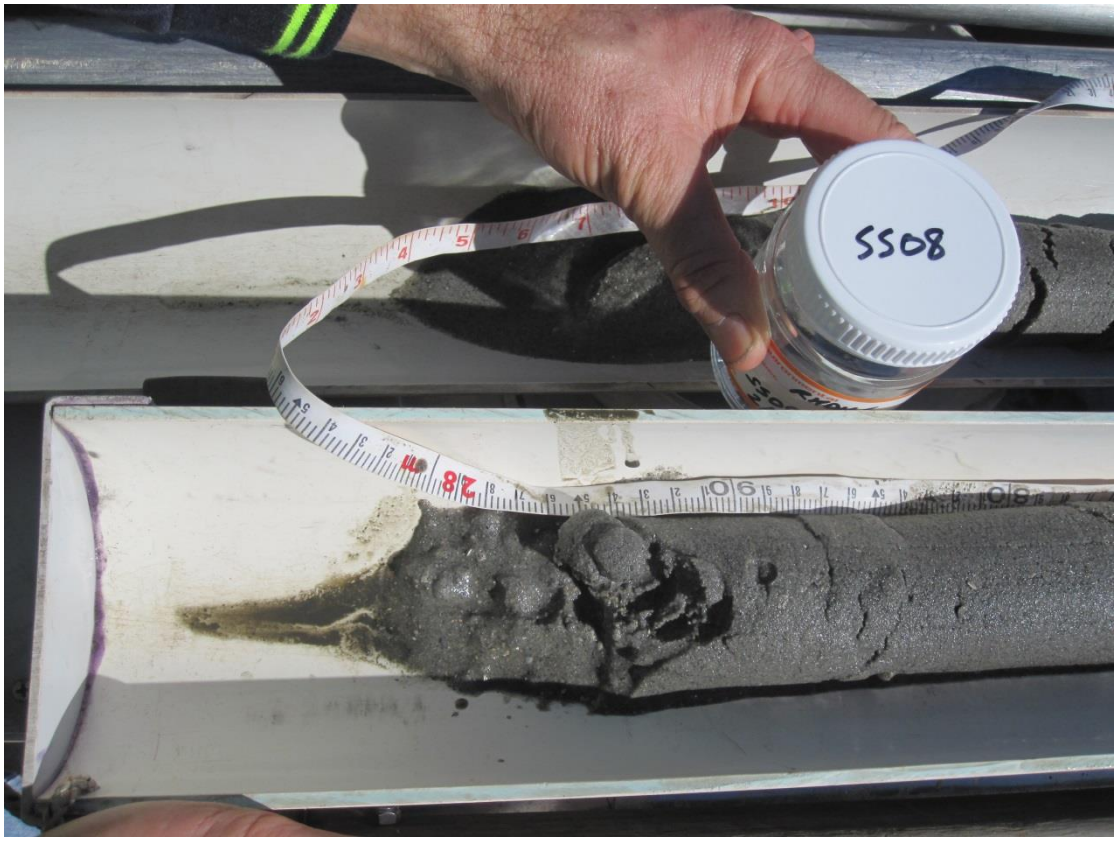
LOCATION: SS07

SS07

SS07

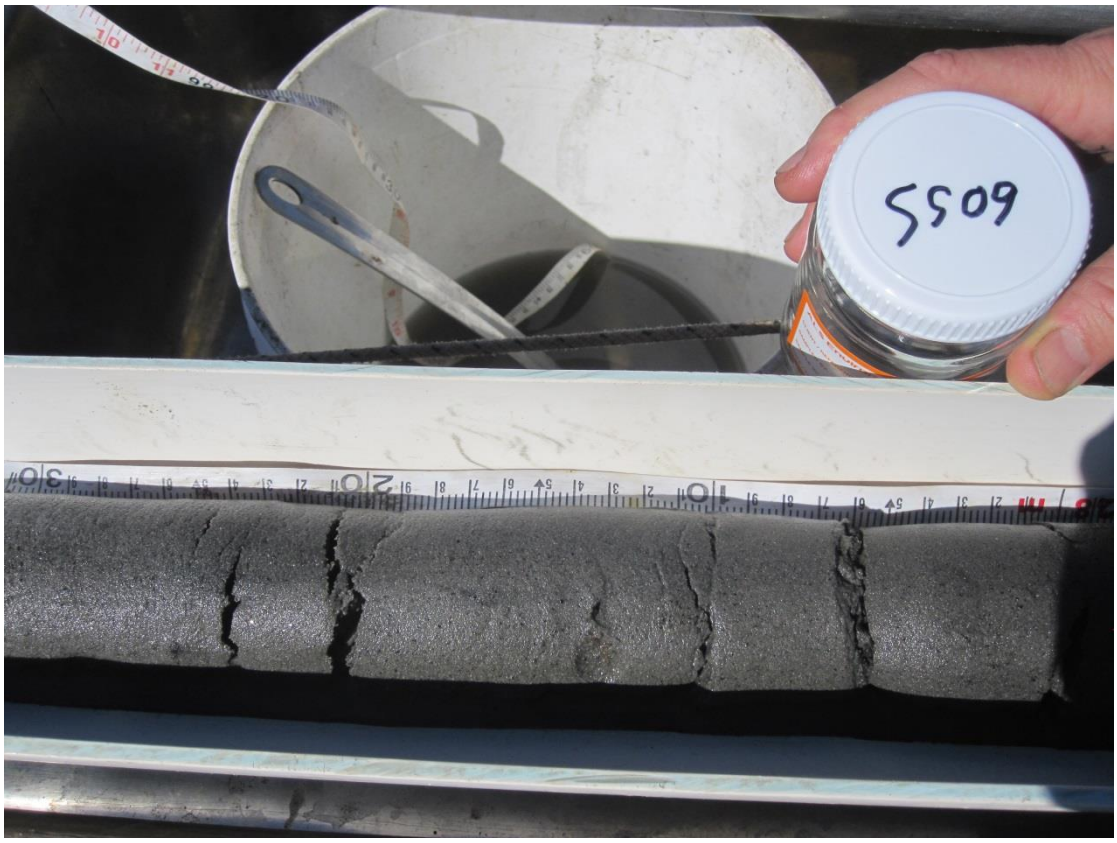
LOCATION: SS08

5508


5508

LOCATION: SS09

5509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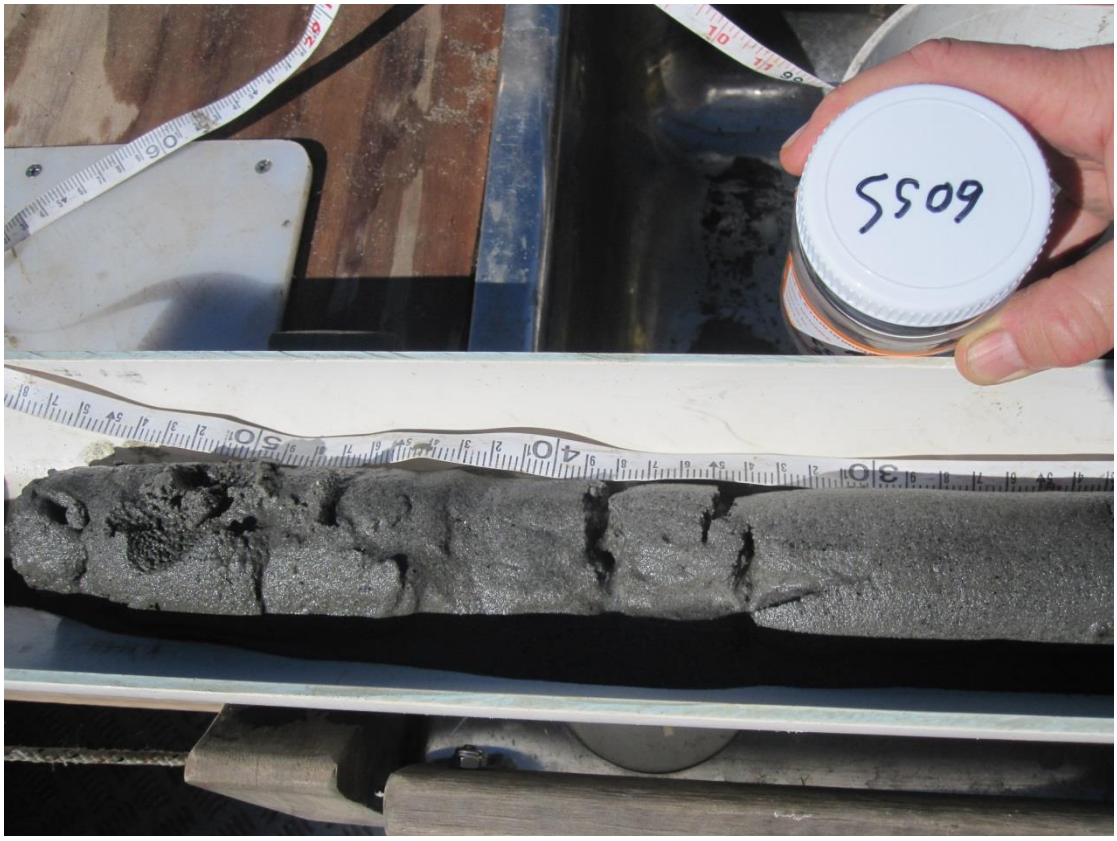

6055

6055

LOCATION: SS10

LOCATION: SS11

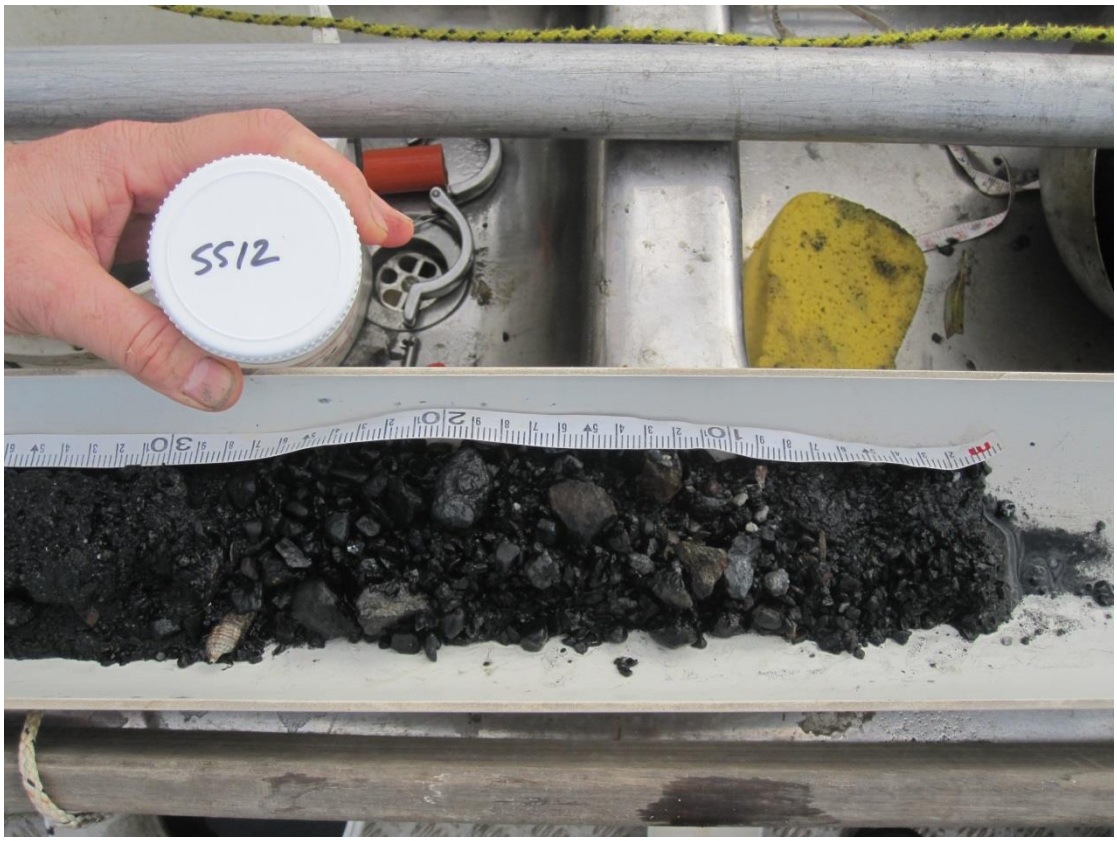
SS11

SS11

SS11

SS11

LOCATION: SS12



5512

EPA (2014)	**CT1 - General Waste**						**100**	**20**	**100**			**100**		**40**	**20**	**100**			**4**						**800**							**650**	**10,000**		
NEPM (2013)	**HIL - C**						**300**	**90**	**300**	**17,000**	**300**	**600**	**19,000**	**1,200**	**700**			**30,000**	**80**		**1**				**3,000**	**300,000**												
NEPM (2013)	**EIL**						**100**		**340**			**1,100**																									
NAGD (2009)	**ISQG-low**					**2**	**20**	**1.5**	**80**	**65**		**50**		**21**		**1**		**200**	**0.15**		**23**	**9**			**430**		**10,000**							**550**			
Location			**Moisture Content**	**Total Metals in Sediments (by ICP-AES) (mg/kg)**		**Total Metals in Sediments (by ICPSM) (mg/kg)**													**Total Recoverable Mercury (by FIMS) (mg/kg)**	**Total Organic Carbon (TOC) (%)**		**Organotin Compounds (µgSn/kg)**			**Polynuclear Aromatic Hydrocarbons (µg/kg)**			**Nitrite plus Nitrate as N (NOx) (mg/kg)**	**Total Kjeldahl Nitrogen (mg/kg)**	**Total Nitrogen as N (TKN + NOx) (mg/kg)**	**Total Phosphorus (mg/kg)**	**Ammonia in Sediment**	**Total Petroleum Hydrocarbons (mg/kg)**		**BTEXN (mg/kg)**	
			Moisture Content (dried @ 103°C) (%)	**Aluminium**	**Iron**	**Antimony**	**Arsenic**	**Cadmium**	**Chromium**	**Copper**	**Cobalt**	**Lead**	**Manganese**	**Nickel**	**Selenium**	**Silver**	**Vanadium**	**Zinc**	**Mercury**		**Total Polychlorinated biphenyls (mg/kg)**	**Tributyltin**	**OP Pesticides**	**OC Pesticides**	**Benzo(a)pyrene**	**Sum of PAHs**	**Sum of PAH normalised to 1% TOC**	**Nitrite + Nitrate as N (Sol.)**	**Total Kjeldahl Nitrogen as N**	**Total Nitrogen as N**	**Total Phosphorus as P**	**Ammonia as N**	**C6 - C9 Fraction**	**C10 - C36 Fraction (sum)**	**Sum of BTEX**	**Naphthalene**
Date	**Sample ID**	**Depth**	**1**	**50**	**50**	**0.5**	**1**	**0.1**	**1**	**1**	**0.5**	**1**	**10**	**1**	**0.1**	**0.1**	**2**	**1**	**0.01**	**0.02**	**0.1**	**0.5**			**4**	**4**		**0.1**	**20**	**20**	**2**		**10**	**50**	**0.2**	**1**
2/5/16	SS2	0-0.5	33	8790	12200	<0.50	7.85	<0.1	14.1	10.6	4.9	6.1	72	14.2	0.4	<0.1	20.8	30.8	0.03																		
2/5/16	SS2	0.5-1.0	30.3	6420	4060	<0.50	3.81	<0.1	9.8	5	2.7	2.7	28	7.9	0.2	<0.1	9	11.9	0.01																		
2/5/16	SS3	0-0.5	26.5	5750	6520	<0.50	4.66	<0.1	11	6	3.4	3.4	34	10.1	0.3	<0.1	12.4	15	0.01	0.53	<0.1	<0.5	<LOR	<LOR	10	137	258	<0.1	380	380	134	1.3	<10	<50	<0.2	<1
2/5/16	SS3	0.5-1.0	22.1	4250	2620	<0.50	3.45	<0.1	9.3	4.1	2.4	2.2	18	7	0.2	<0.1	6.7	5.5	<0.01	0.21	<0.1	<0.5	<LOR	<LOR	<4	16	76	<0.1	80	80	48	1.7	<10	<50	<0.2	<1
2/5/16	SS4	0-0.5	50.5	16400	27000	<0.50	13.1	0.1	30.5	19.7	10	12	140	29.3	0.8	<0.1	45.7	60.6	0.05																		
2/5/16	SS4	0.5-1.0	32.8	8760	10600	<0.50	6.94	<0.1	28.8	9.7	6.9	5.2	57	32	0.5	<0.1	18.5	22.2	0.02																		
2/5/16	SS5	0-0.5	25.2	4330	4600	<0.50	6.78	<0.1	9.5	6	3.7	3.5	28	10.5	0.1	<0.1	7.6	13.2	<0.01																		
2/5/16	SS6	0-0.5	20.9	4830	7980	<0.50	3.32	<0.1	11.7	8	2.7	6.4	74	6	0.2	<0.1	17.7	74	<0.01	0.6	<0.1	<0.5	<LOR	<LOR	18	300	500	<0.1	200	200	130	1.3	<10	<50	<0.2	<1
2/5/16	SS6	0.5-1.0	29.2	4360	5890	<0.50	3.46	<0.1	11.7	6.4	2.8	6.8	36	6.6	0.2	<0.1	11.7	34.4	<0.01																		
2/5/16	SS7	0-0.5	22.3	2540	1980	<0.50	4.24	<0.1	4.1	2.1	3.4	2.2	10	10.8	<0.1	<0.1	3.4	6.5	<0.01																		
2/5/16	SS7	0.5-1.0	23	3140	3060	<0.50	4.66	<0.1	8.5	3.5	9.8	3.8	15	12.2	0.1	<0.1	6.4	11.6	<0.01																		
2/5/16	SS8	0-0.55	28.5	6200	11700	<0.50	6.21	<0.1	10.7	7.9	3.2	4.2	74	9.1	0.3	<0.1	16.6	21.7	0.02	0.48	<0.1	<0.5	<LOR	<LOR	14	143	298	<0.1	390	390	157	2	<10	<50	<0.2	<1
2/5/16	SS8	0.55-1.0	24	680	3980	<0.50	2.65	<0.1	3.2	3	0.8	<1.0	47	3.1	<0.1	<0.1	2.4	2.7	<0.01	0.05	<0.1	<0.5	<LOR	<LOR	<4	58	1160	<0.1	<20	<20	33	0.5	<10	<50	<0.2	<1
2/5/16	SS9	0-0.5	25.8	3600	4600	<0.50	4.13	<0.1	6.8	5	1.5	2.4	22	5.1	0.2	<0.1	8.4	11.4	<0.01																		
2/5/16	SS9	0.5-1.0	26.2	3320	4420	<0.50	4.06	<0.1	6.4	4.3	1.5	2.2	19	5.1	0.2	<0.1	8.3	9.8	<0.01																		
2/5/16	SS9	1.0-1.5	25.5	3010	3760	<0.50	4.03	<0.1	6.9	3.4	1.5	1.3	17	8.3	0.1	<0.1	5.7	5.4	<0.01																		
2/5/16	SS10	0-0.5	25.9	3030	3860	<0.50	1.43	<0.1	9	4	1.3	3.5	15	6.7	0.1	<0.1	10.1	16.2	<0.01																		
2/5/16	SS11	0-0.5	35.8	8150	12000	<0.50	6.98	<0.1	12	10.6	4.4	5.5	65	11.9	0.4	<0.1	19	28.3	0.02																		
2/5/16	SS11	0.5-1.05	27.4	5110	5610	<0.50	3.94	<0.1	8.7	6.9	2.4	3.4	31	7.2	0.2	<0.1	10.7	12.3	0.01																		
2/5/16	SS12	0.28-0.6	16.2	5250	14900	<0.50	3.19	0.1	17.3	15.4	3.3	20.8	79	5.5	0.2	<0.1	29.9	72.1	0.04																		
2/5/16	QAQC1		25.6	4740	17800	<0.50	3.4	<0.1	11.7	7.5	2.9	5.2	80	6	0.2	<0.1	50	53.3	<0.01	0.56	<0.1	<0.5	<LOR	<LOR	14	217	388	<0.1	280	280	82	1.9	<10	<50	<0.2	<1
2/5/16	QAQC2		26.3	3930	5560	<0.50	4.46	<0.1	7.9	5.8	1.8	4.3	23	6.8	0.2	<0.1	10.6	11.9	<0.01																		
Mean			27	5300	7941	<LOR	5	<LOR	11	7		5		10		<LOR		24	<LOR	0	<LOR	<LOR	<LOR	<LOR			447							<LOR			
Standard Deviation			7	3192	6053	<LOR	2	<LOR	7	4		4		7		<LOR		22	<LOR	0	<LOR	<LOR	<LOR	<LOR			377							<LOR			
Number of samples			22	22	22	<LOR	22	<LOR	22	22		21		22		<LOR		22	<LOR	6	<LOR	<LOR	<LOR	<LOR			6							<LOR			
95% Confidence Level			30	6633	10470	<LOR	6	<LOR	14	9		7		13		<LOR		33	<LOR	1	<LOR	<LOR	<LOR	<LOR			748							<LOR			

Notes:

1. *Classification values as per the EPA (2014) Waste Classification Guidelines.*
3. *Highlighted Cells indicate exceedance of CT1 or CT2 values.*
2. *SCC1 waste classification values only shown where CT1 or CT2 values are exceeded.*

Appendix B – NPWS Atlas search results

Fauna and Flora Coding Sheet for Atlas of NSW Wildlife Reports

The following tables explain the coding used in the results of searches from the Atlas of NSW Wildlife database for fauna and flora data. Please note that not all fields may be populated in your data supply. This is dependent on both the information supplied by the observer, as well as your user level.

Please see Page 7 for information regarding sensitive species data.

To use this data in GIS, database or spreadsheet software, first open in Notepad (open the zipfile, right-click on the filename and select 'Open with > Notepad') and remove the disclaimer information at the top of the dataset, save and close. This will enable your software to recognise the header row as the field names for the data.

Please be aware Atlas data can exceed the row limit in Excel (65,536 records) which may result in truncation and data loss if you open and/or resave the data. Excel may also reformat some of the fields, such as the dates.

Atlas data can exceed the ArcGIS .dbf file size limit of 2 gigabytes when converting to a shapefile.

If you are renaming the files to use in ArcGIS you should avoid using spaces or non-alphanumeric characters (such as &, $, @, #).

FIELD	DESCRIPTION AND RELEVANT CODING
DatasetName	Refers to the dataset the observation is linked to. The most common type for this field is 'Default Incidental Sightings'.
SightingKey	A unique code automatically assigned to each sighting. If you would like to query a particular record please supply us with this unique identifier.
SpeciesCode	A unique code attributed to an individual species, genus or family.
KingdomName	Refers to whether the organism is flora (FL) or fauna (FA).
ClassName	Refers to the Class name.
FamilyName	Refers to the Family name.
SortOrder	Systematic placement of taxonomic hierarchy.
ScientificName	The internationally recognised Latin name given to an organism, following the International Codes of Botanical and Zoological Nomenclature.
Exotic	Denoted by * for all non-native species.
CommonName	Refers to the common name of an organism.
NSWStatus	This code identifies the Legal Status of the species within NSW under the Threatened Species Conservation Act (TSC Act 1995), the National Parks & Wildlife Act 1974 (NPW Act 1974), the Fisheries Management Act 1994 No. 38 (FM Act 1994) and the Sensitive Species Data Policy (SSDP).

Code	Description	Definition under the NPW Act 1974, the TSC Act 1995, the FM Act 1994 No. 38, or the SSDP.
P	Protected	Refers to fauna not listed in Schedule 11 of the NPW Act 1974.
P 13	Protected Native Plants	Refers to flora listed in Schedule 13 of the NPW Act 1974.
V	Vulnerable	Refers to fauna and flora species that are likely to become endangered unless the circumstances & factors threatening its survival or evolutionary development cease to operate (Schedule 2, TSC Act 1995).
E1	Endangered	Refers to fauna and flora species that are likely to become extinct in nature in NSW unless the circumstances and factors threatening its survival or evolutionary developments cease to operate; or, its numbers have been reduced to such a critical level, or its habitats have been so drastically reduced, that it is in immediate danger of extinction; or, it might already be extinct, but it is not presumed extinct (Schedule 1, part 1, TSC Act 1995).
E2	Endangered Population	Refers to a population where, in the opinion of the Scientific Committee, its numbers have been reduced to such a critical level, or its habitat has been so drastically reduced, that it is in immediate danger of extinction and it is not a population of a species already listed in Schedule 1, and: (a) it is disjunct and at or near the limit of its geographic range, or (b) it is or is likely to be genetically distinct, or (c) it is otherwise of significant conservation value. (Schedule 1, part 2, TSC Act 1995).
E4	Extinct	Refers to fauna and flora species that have not been located in nature during the preceding 50 years despite searching of known and likely habitats of that period (Schedule 1, part 4, TSC Act 1995).
E4A	Critically Endangered Species	Refers to a species that is eligible to be listed as a critically endangered species if, in the opinion of the Scientific Committee, it is facing an extremely high risk of extinction in New South Wales in the immediate future, as determined in accordance with criteria prescribed by the regulations. (Schedule 1a, part 1, TSC Act 1995).
FCE	Critically Endangered Fish Species	Refers to fish species that, in the opinion of the Fisheries Scientific Committee, are facing an extremely high risk of extinction in New South Wales in the immediate future, as determined in accordance with criteria prescribed by the regulations (Part 1 of Schedule 4A, FM Act 1994).
FE	Endangered Fish Species	Re Refers to fish species that, in the opinion of the Fisheries Scientific Committee: (a) are facing a very high risk of extinction in New South Wales in the near future, as determined in accordance with criteria prescribed by the regulations, and (b) are not eligible to be listed as a critically endangered species (Part 1 of Schedule 4, FM Act 1994).
FP	Protected Fish Species	The regulations may declare that fish of a specified species are protected fish (Part 2, Division 2, Section 19, FM Act 1994).
FV	Vulnerable Fish Species	Refers to fish species that, in the opinion of the Fisheries Scientific Committee: (a) are facing a high risk of extinction in New South Wales in the medium-term future, as determined in accordance

			with criteria prescribed by the regulations, and (b) are not eligible to be listed as an endangered or critically endangered species (Part 1 of Schedule 5, FM Act 1994).
	FX	Extinct Fish	Refers to a species that is eligible to be listed if, in the opinion of the Fisheries Scientific Committee, it has not been recorded in its known or expected habitat in New South Wales, despite targeted surveys, over a time frame appropriate, in the opinion of the Fisheries Scientific Committee, to its life cycle and form (Part 4 of Schedule 4, FM Act 1994).
	FEP	Endangered Population of Fish	Refers to a population that, in the opinion of the Fisheries Scientific Committee, is facing a very high risk of extinction in New South Wales in the near future, as determined in accordance with criteria prescribed by the regulations (Part 2 of Schedule 4, FM Act 1994).
	FKTP	Key Threatening Process of Fish	Refers to a threatening process that, in the opinion of the Fisheries Scientific Committee: (a) adversely affects threatened species, populations or ecological communities, or (b) could cause species, populations or ecological communities that are not threatened to become threatened (Schedule 6, FM Act 1994).
	2	Category 2 sensitive species	Refers to species for which Atlas sightings' coordinates will be supplied denatured to public web applications, and denatured to licensed clients. Such species are classed as highly sensitive, and provision of precise locations would subject the species to high risk from threats such as disturbance and collection.
	3	Category 3 sensitive species	Refers to species for which sightings' coordinates will be supplied denatured to public web applications, but supplied 'as-held' to licensed clients. Current denaturing specifications are set out in Appendix 2. Such species are classed as of medium sensitivity, and provision of precise locations would subject the species to medium risk from threats such as collection/deliberate damage. Data are supplied under the conditions of a written data agreement, usually a Data Licence Agreement.
CommStatus	This code identifies the Legal Status of the species under the Commonwealth Environment Protection and Biodiversity Conservation Act 1999 (the EPBC Act), and Migratory Bird agreements (JAMBA, CAMBA and ROKAMBA).		
	Code	Description	Definition under the EPBC Act 1999, and Migratory Birds agreement.
	C	CAMBA	China-Australia Migratory Bird Agreement: Refers to species listed in the Bilateral Agreement between the Government of Australia and the Government of the People's Republic of China for the protection of Migratory Birds and their Environment (Subdivision A of Division 1 of Part 5, Commonwealth EPBC Act 1999).
	CD	Conservation Dependent	Refers to A native species is eligible to be included in the conservation dependent category at a particular time if, at that time: (a) the species is the focus of a specific conservation program the cessation of which would result in the species becoming vulnerable, endangered or critically endangered; or (b) the following subparagraphs are satisfied: (i) the species is a species of fish; (ii) the species is the focus of a plan of management that provides for management actions necessary to stop the decline of, and support the recovery of, the species so that its chances of

			long term survival in nature are maximised; (iii) the plan of management is in force under a law of the Commonwealth or of a State or Territory; (iv) cessation of the plan of management would adversely affect the conservation status of the species (Subdivision A of Division 1 of Part 13, Commonwealth EPBC Act 1999).
	CE	Critically Endangered	Refers to a native species is eligible to be included in the critically endangered category at a particular time if, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria (Subdivision A of Division 1 of Part 13, Commonwealth EPBC Act 1999).
	E	Endangered	Refers to a native species is eligible to be included in the endangered category at a particular time if, at that time: (a) it is not critically endangered; and (b) it is facing a very high risk of extinction in the wild in the near future, as determined in accordance with the prescribed criteria (Subdivision A of Division 2 of Part 13, Commonwealth EPBC Act 1999).
	J	JAMBA	Japan-Australia Migratory Bird Agreement: Refers to species listed in the Bilateral Agreement between the Government of Japan and the Government of Australia for the Protection of Migratory Birds and Birds in Danger of Extinction and their Environment (Subdivision A of Division 1 of Part 5, Commonwealth EPBC Act 1999).
	K	ROKAMBA	Republic of Korea-Australia Migratory Bird Agreement: Refers to species listed in the Bilateral Agreement between the Government of Australia and the Government of the Republic of Korea for the protection of Migratory Birds and their Environment (Subdivision A of Division 1 of Part 5, Commonwealth EPBC Act 1999).
	KTP	Key Threatening Process	Refers to a key process that threatens or may threaten the survival, abundance or evolutionary development of a native species or ecological community (Subdivision A of Division 1 of Part 13, Commonwealth EPBC Act 1999).
	V	Vulnerable	Refers to a native species is eligible to be included in the vulnerable category at a particular time if, at that time: (a) it is not critically endangered or endangered; and (b) it is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria (Subdivision A of Division 1 of Part 13, Commonwealth EPBC Act 1999).
	X	Extinct	Refers to a native species is eligible to be included in the extinct category at a particular time if, at that time, there is no reasonable doubt that the last member of the species has died (Subdivision A of Division 1 of Part 13, Commonwealth EPBC Act 1999).
	XW	Extinct in the Wild	Refers to a native species is eligible to be included in the extinct in the wild category at a particular time if, at that time: (a) it is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; or (b) it has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form (Subdivision A of Division 1 of Part 13, Commonwealth EPBC Act 1999).
SensitivityClass	Indicates whether a species is listed in the Sensitive Species data policy. Geographic co-ordinates for sensitive species may be denatured, or with-held, depending on user access permissions.		

<table>
<tr><td></td><td>Denatured records will be flagged with:
^^ - coordinates rounded to 0.01°
^ - coordinates rounded to 0.1°

The policy in full including the sensitive species listings can be located at http://www.environment.nsw.gov.au/policiesandguidelines/SensitiveSpeciesPolicy.htm.</td></tr>
<tr><td>DateFirst</td><td>Refers to the date (dd/mm/yyyy) the species was sighted at a particular location. If the date that the species was sighted is uncertain, then First Date will indicate the earliest date on which the sighting may have occurred.</td></tr>
<tr><td>DateLast</td><td>Where the exact date of a sighting is known, DateLast will be equal to DateFirst.
If the date that the species was sighted is uncertain, then Last Date will indicate the latest date on which the sighting may have occurred.</td></tr>
<tr><td>NumberIndividuals</td><td>Refers to the number of individuals recorded.</td></tr>
<tr><td>EstimateTypeCode</td><td>Refers to the accuracy of the NumberIndividuals field.
<table>
<tr><th>Code</th><th>Definition of Code</th></tr>
<tr><td>+</td><td>At least</td></tr>
<tr><td><</td><td>Less than</td></tr>
<tr><td>></td><td>Greater than</td></tr>
<tr><td>E</td><td>Estimate</td></tr>
<tr><td>X</td><td>Exactly</td></tr>
</table></td></tr>
<tr><td>SourceCode</td><td>Refers to the source of the data.
<table>
<tr><th>Code</th><th>Definition of Code</th></tr>
<tr><td>1</td><td>Specimen with Public Museum. Eg. National Herbarium / Australian Museum</td></tr>
<tr><td>2</td><td>Specimen with other collection</td></tr>
<tr><td>3</td><td>Voucher specimen used in identification</td></tr>
<tr><td>4</td><td>Sighting</td></tr>
<tr><td>5</td><td>Sighting – probable ID</td></tr>
<tr><td>6</td><td>Sighting – possible ID</td></tr>
</table></td></tr>
<tr><td>ObservationType</td><td>Refers to the mode of observation. Coding is as follows:
<table>
<tr><th>Code</th><th>Definition of Code</th></tr>
<tr><td>A</td><td>Stranding/Beaching</td></tr>
<tr><td>AR</td><td>Acoustic recording</td></tr>
<tr><td>B</td><td>Burnt</td></tr>
<tr><td>C</td><td>Cat kill</td></tr>
<tr><td>D</td><td>Dog Kill</td></tr>
<tr><td>E</td><td>Nest/Roost</td></tr>
<tr><td>F</td><td>Tracks or scratchings</td></tr>
<tr><td>FB</td><td>Burrow</td></tr>
<tr><td>G</td><td>Crushed Cones</td></tr>
<tr><td>H</td><td>Hair, feathers or skin</td></tr>
<tr><td>I</td><td>Subfossil/Fossil remains</td></tr>
<tr><td>J</td><td>Floristics Record from Systematic Flora Survey</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td><table>
<tr><td>K</td><td>Dead</td></tr>
<tr><td>L</td><td>Flora record</td></tr>
<tr><td>M</td><td>Miscellaneous</td></tr>
<tr><td>N</td><td>Not located</td></tr>
<tr><td>O</td><td>Seen</td></tr>
<tr><td>OW</td><td>Seen and heard</td></tr>
<tr><td>P</td><td>Scat</td></tr>
<tr><td>Q</td><td>Camera</td></tr>
<tr><td>R</td><td>Road kill</td></tr>
<tr><td>S</td><td>Shot</td></tr>
<tr><td>T</td><td>trapped or netted</td></tr>
<tr><td>U</td><td>Ultrasonic recording</td></tr>
<tr><td>V</td><td>Fox kill</td></tr>
<tr><td>W</td><td>Heard call</td></tr>
<tr><td>X</td><td>In scat</td></tr>
<tr><td>Y</td><td>Bone, teeth, shell</td></tr>
<tr><td>Z</td><td>In raptor/owl pellet</td></tr>
</table></td></tr>
<tr><td>LocationKey</td><td>A code automatically assigned to each unique location. If you would like to query a particular location (e.g. co-ordinates do not match the description) please supply us with this unique identifier (provided to licensed clients and OEH staff only).</td></tr>
<tr><td>Description</td><td>Location description as provided by the observer. This data is withheld from public users (provided to licensed clients and OEH staff only).</td></tr>
<tr><td>Latitude_GDA94</td><td>The position South of the Equator, measured in decimal degrees.</td></tr>
<tr><td>Longitude_GDA94</td><td>The position East of the Greenwich meridian, measured in decimal degrees.</td></tr>
<tr><td>Zone</td><td>A 6° band of longitude, divided according to the Universal Transverse Mercator (UTM) coordinate system.
NSW Is divided into 4 Zones;
Zone 56 is 150 ^{o} – 156 ^{o} longitude, which encompasses much of eastern NSW.
Zone 55 is 144 ^{o} – 150 ^{o} longitude.
Zone 54 is 138 ^{o} – 144 ^{o} longitude, encompassing most of Western NSW.
Zone 57 covers Lord Howe Island.
The Zone in Atlas reports has been calculated from the Latitude and Longitude values. Data provided in MGA.</td></tr>
<tr><td>Easting</td><td>The reference in metres, measured east of an arbitrary origin (also referred to as the x-coordinate). The Easting provided in Atlas reports has been calculated from the Latitude and Longitude values. Data provided in MGA.</td></tr>
<tr><td>Northing</td><td>The reference in metres, measured north of an arbitrary origin (also referred to as the y-coordinate). The Northing provided in Atlas reports has been calculated from the Latitude and Longitude values. Data provided in MGA.</td></tr>
<tr><td>Accuracy</td><td>How accurately the coordinates represent the location of the species (in metres). For example a value of 100 would mean that the location is accurate to the nearest 100 metres.</td></tr>
<tr><td>SightingNotes</td><td>Observer comments on sighting (provided to OEH staff and licensed clients only).</td></tr>
<tr><td>LocationNotes</td><td>Additional observer comments on location (provided to OEH staff and licensed clients only).</td></tr>
</table>

Sensitive Species Information

The full Sensitive Species Data policy including the sensitive species listings is located at: http://www.environment.nsw.gov.au/policiesandguidelines/SensitiveSpeciesPolicy.htm

To further protect sensitive species, OEH requests that clients with their own location data for sensitive species consider not publishing precise locations, or detailed location descriptions, for these species.

Please note - the Atlas of NSW Wildlife database is only one of a number of sources of fauna & flora information for NSW. Other sources include the CSIRO and Birds Australia.

Data from the BioNet Atlas of NSW Wildlife website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.1Â°; ^^ rounded to 0.01Â°). Copyright the State of NSW through the Office of Environment and Heritage. Search criteria : Public Report of all Valid Records of Plants in PORT MACQUARIE-HASTINGS LGA returned a total of 47,838 records of 2,302 species.
Report generated on 6/07/2016 1:08 PM

Kingdom	Class	Family	Species Code	Scientific Name	Exotic	Common Name	NSW status	Comm. status	Records	Info
Plantae	Flora	Acanthaceae	10427	*Avicennia marina subsp. australasica*		Grey Mangrove			12	
Plantae	Flora	Acanthaceae	1003	*Brunoniella australis*		Blue Trumpet			40	
Plantae	Flora	Acanthaceae	1004	*Brunoniella pumilio*		Dwarf Blue Trumpet			16	
Plantae	Flora	Acanthaceae	10771	*Hypoestes phyllostachya*	*				2	
Plantae	Flora	Acanthaceae	12259	*Justicia caudata*	*				1	
Plantae	Flora	Acanthaceae	12419	*Odontonema tubaeforme*	*				1	
Plantae	Flora	Acanthaceae	1010	*Pseuderanthemum variabile*		Pastel Flower			197	
Plantae	Flora	Acanthaceae	12348	*Rostellularia adscendens var. latifolia*					2	
Plantae	Flora	Adiantaceae	7997	*Adiantum aethiopicum*		Common Maidenhair	P		51	
Plantae	Flora	Adiantaceae	7998	*Adiantum diaphanum*		Filmy Maidenhair	P		1	
Plantae	Flora	Adiantaceae	7999	*Adiantum formosum*		Giant Maidenhair	P		47	
Plantae	Flora	Adiantaceae	8000	*Adiantum hispidulum*		Rough Maidenhair	P		38	
Plantae	Flora	Adiantaceae	11226	*Adiantum hispidulum var. hispidulum*		Rough Maidenhair	P		2	
Plantae	Flora	Adiantaceae	8001	*Adiantum silvaticum*			P		33	
Plantae	Flora	Adiantaceae	ADIA	*Adiantum spp.*			P		4	
Plantae	Flora	Adiantaceae	8444	*Pellaea falcata*		Sickle Fern			42	
Plantae	Flora	Adiantaceae	10488	*Pellaea nana*		Dwarf Sickle Fern			18	
Plantae	Flora	Adiantaceae	8010	*Pellaea paradoxa*					36	
Plantae	Flora	Adoxaceae	1953	*Sambucus australasica*		Native Elderberry			10	
Plantae	Flora	Aizoaceae	1025	*Carpobrotus glaucescens*		Pigface			1	
Plantae	Flora	Aizoaceae	3907	*Macarthuria neocambrica*					1	
Plantae	Flora	Aizoaceae	6574	*Sesuvium portulacastrum*					1	
Plantae	Flora	Aizoaceae	11185	*Tetragonia tetragonioides*		New Zealand Spinach			2	
Plantae	Flora	Akaniaceae	8978	*Akania bidwillii*		Turnipwood			13	
Plantae	Flora	Alismataceae	1043	*Alisma plantago-aquatica*		Water Plantain			4	
Plantae	Flora	Alismataceae	1044	*Damasonium minus*		Starfruit			2	
Plantae	Flora	Alliaceae	10418	*Agapanthus praecox subsp. orientalis*	*				4	
Plantae	Flora	Alstroemeriaceae	6970	*Alstroemeria pulchella*	*	Parrot Alstroemeria			1	
Plantae	Flora	Amaranthaceae	6478	*Alternanthera denticulata*		Lesser Joyweed			21	
Plantae	Flora	Amaranthaceae	1055	*Amaranthus hybridus*	*	Slim Amaranth			1	
Plantae	Flora	Amaranthaceae	7896	*Deeringia amaranthoides*					1	
Plantae	Flora	Amaranthaceae	1065	*Deeringia arborescens*					5	
Plantae	Flora	Amaranthaceae	1067	*Nyssanthes diffusa*		Barbwire Weed			5	
Plantae	Flora	Amaryllidaceae	3539	*Crinum pedunculatum*		Swamp Lily			18	
Plantae	Flora	Amygdalaceae	5625	*Prunus persica*	*				2	
Plantae	Flora	Amygdalaceae	PRUN	*Prunus spp.*	*				2	

Plantae	Flora	Anacardiaceae	7734	*Euroschinus falcatus var. falcatus*		Ribbonwood		27
Plantae	Flora	Anacardiaceae	9351	*Mangifera indica*	*	Mango		3
Plantae	Flora	Anacardiaceae	1085	*Rhodosphaera rhodanthema*		Deep Yellowwood		1
Plantae	Flora	Anthericaceae	3517	*Arthropodium milleflorum*		Pale Vanilla-lily		5
Plantae	Flora	Anthericaceae	3518	*Arthropodium minus*		Small Vanilla Lily		5
Plantae	Flora	Anthericaceae	9097	*Arthropodium sp. B*				1
Plantae	Flora	Anthericaceae	ARTR	*Arthropodium spp.*				1
Plantae	Flora	Anthericaceae	3535	*Caesia parviflora*		Pale Grass-lily		9
Plantae	Flora	Anthericaceae	7183	*Caesia parviflora var. parviflora*				2
Plantae	Flora	Anthericaceae	7333	*Caesia parviflora var. vittata*				1
Plantae	Flora	Anthericaceae	3538	*Chlorophytum comosum*	*	Spider Plant		1
Plantae	Flora	Anthericaceae	6752	*Laxmannia compacta*				2
Plantae	Flora	Anthericaceae	3556	*Laxmannia gracilis*		Slender Wire Lily		15
Plantae	Flora	Anthericaceae	3567	*Sowerbaea juncea*		Vanilla Plant		2
Plantae	Flora	Anthericaceae	3572	*Thysanotus juncifolius*				9
Plantae	Flora	Anthericaceae	THYS	*Thysanotus spp.*				2
Plantae	Flora	Anthericaceae	3574	*Thysanotus tuberosus*		Common Fringe-lily		11
Plantae	Flora	Anthericaceae	6427	*Thysanotus tuberosus subsp. tuberosus*				1
Plantae	Flora	Anthericaceae	7355	*Tricoryne elatior*		Yellow Autumn-lily		28
Plantae	Flora	Anthericaceae	3577	*Tricoryne simplex*				2
Plantae	Flora	Aphanopetalaceae	2266	*Aphanopetalum resinosum*		Gum Vine		46
Plantae	Flora	Apiaceae	1094	*Actinotus helianthi*		Flannel Flower	P	13
Plantae	Flora	Apiaceae	1104	*Apium prostratum*		Sea Celery		1
Plantae	Flora	Apiaceae	11823	*Apium prostratum var. filiforme*				1
Plantae	Flora	Apiaceae	11824	*Apium prostratum var. prostratum*				1
Plantae	Flora	Apiaceae	1106	*Centella asiatica*		Indian Pennywort		141
Plantae	Flora	Apiaceae	CENE	*Centella spp.*				3
Plantae	Flora	Apiaceae	11195	*Cyclospermum leptophyllum*	*	Slender Celery		9
Plantae	Flora	Apiaceae	1108	*Daucus carota*	*	Wild Carrot		3
Plantae	Flora	Apiaceae	1109	*Daucus glochidiatus*		Native Carrot		6
Plantae	Flora	Apiaceae	10109	*Daucus glochidiatus f. A*				1
Plantae	Flora	Apiaceae	1118	*Foeniculum vulgare*	*	Fennel		8
Plantae	Flora	Apiaceae	7959	*Hydrocotyle acutiloba*				30
Plantae	Flora	Apiaceae	1123	*Hydrocotyle bonariensis*	*			48
Plantae	Flora	Apiaceae	1126	*Hydrocotyle geraniifolia*		Forest Pennywort		30
Plantae	Flora	Apiaceae	8461	*Hydrocotyle hirta*		Hairy Pennywort		4
Plantae	Flora	Apiaceae	1128	*Hydrocotyle laxiflora*		Stinking Pennywort		17
Plantae	Flora	Apiaceae	1129	*Hydrocotyle pedicellosa*				5
Plantae	Flora	Apiaceae	7961	*Hydrocotyle sibthorpioides*				80

Plantae	Flora	Apiaceae	8572	*Hydrocotyle sp. aff. acutiloba*					5	
Plantae	Flora	Apiaceae	HYDR	*Hydrocotyle spp.*	*				2	
Plantae	Flora	Apiaceae	1132	*Hydrocotyle tripartita*		Pennywort			27	
Plantae	Flora	Apiaceae	1133	*Hydrocotyle verticillata*		Shield Pennywort			1	
Plantae	Flora	Apiaceae	1143	*Platysace ericoides*					1	
Plantae	Flora	Apiaceae	1144	*Platysace lanceolata*		Shrubby Platysace			8	
Plantae	Flora	Apiaceae	1154	*Trachymene incisa*		Trachymene			17	
Plantae	Flora	Apiaceae	8785	*Trachymene incisa subsp. incisa*					5	
Plantae	Flora	Apiaceae	1157	*Trachymene procumbens*					1	
Plantae	Flora	Apiaceae	1162	*Xanthosia pilosa*		Woolly Xanthosia			22	
Plantae	Flora	Apiaceae	1163	*Xanthosia tridentata*		Rock Xanthosia			2	
Plantae	Flora	Apocynaceae	1167	*Alyxia ruscifolia*		Prickly Alyxia			59	
Plantae	Flora	Apocynaceae	11047	*Araujia sericifera*	*	Moth Vine			30	
Plantae	Flora	Apocynaceae	1224	*Asclepias curassavica*	*	Blood Flower			5	
Plantae	Flora	Apocynaceae	1225	*Cynanchum carnosum*					2	
Plantae	Flora	Apocynaceae	1226	*Cynanchum elegans*		White-flowered Wax Plant	E1,P	E	33	
Plantae	Flora	Apocynaceae	1227	*Gomphocarpus fruticosus*	*	Narrow-leaved Cotton Bush			34	
Plantae	Flora	Apocynaceae	1228	*Gomphocarpus physocarpus*	*	Balloon Cotton Bush			18	
Plantae	Flora	Apocynaceae	7742	*Hoya australis subsp. australis*		Native Hoya			2	
Plantae	Flora	Apocynaceae	7005	*Mandevilla laxa*	*	Chilean Jasmine			2	
Plantae	Flora	Apocynaceae	1231	*Marsdenia flavescens*		Hairy Milk Vine			14	
Plantae	Flora	Apocynaceae	8662	*Marsdenia liisae*		Large-flowered Milk Vine			10	
Plantae	Flora	Apocynaceae	8702	*Marsdenia lloydii*		Corky Marsdenia			14	
Plantae	Flora	Apocynaceae	1233	*Marsdenia longiloba*		Slender Marsdenia	E1,P	V	4	
Plantae	Flora	Apocynaceae	10895	*Marsdenia pleiadenia*					2	
Plantae	Flora	Apocynaceae	1234	*Marsdenia rostrata*		Milk Vine			67	
Plantae	Flora	Apocynaceae	MARS	*Marsdenia spp.*					4	
Plantae	Flora	Apocynaceae	1235	*Marsdenia suaveolens*		Scented Marsdenia			3	
Plantae	Flora	Apocynaceae	1172	*Melodinus australis*		Southern Melodinus			49	
Plantae	Flora	Apocynaceae	1173	*Melodinus guilfoylei*		Bellbird Vine			2	
Plantae	Flora	Apocynaceae	10204	*Nerium oleander*	*	Oleander			3	
Plantae	Flora	Apocynaceae	1177	*Parsonsia brownii*		Mountain Silkpod			8	
Plantae	Flora	Apocynaceae	9505	*Parsonsia dorrigoensis*		Milky Silkpod	V,P	E	20	
Plantae	Flora	Apocynaceae	1179	*Parsonsia fulva*		Furry Silkpod			2	
Plantae	Flora	Apocynaceae	1180	*Parsonsia induplicata*		Thin-leaved Silkpod			13	
Plantae	Flora	Apocynaceae	1181	*Parsonsia lanceolata*		Rough Silkpod			1	
Plantae	Flora	Apocynaceae	9908	*Parsonsia purpurascens*		Black Silkpod			10	
Plantae	Flora	Apocynaceae	1184	*Parsonsia rotata*		Veinless Silkpod			5	
Plantae	Flora	Apocynaceae	PARS	*Parsonsia spp.*					2	
Plantae	Flora	Apocynaceae	1185	*Parsonsia straminea*		Common Silkpod			263	
Plantae	Flora	Apocynaceae	7039	*Parsonsia velutina*					24	
Plantae	Flora	Apocynaceae	1187	*Parsonsia ventricosa*		Acuminate Silkpod			4	
Plantae	Flora	Apocynaceae	PLMR	*Plumeria spp.*	*	Frangipani			1	
Plantae	Flora	Apocynaceae	8620	*Tabernaemontana pandacaqui*		Banana Bush			60	
Plantae	Flora	Apocynaceae	1240	*Tylophora barbata*		Bearded Tylophora			4	
Plantae	Flora	Apocynaceae	1243	*Tylophora grandiflora*		Small-leaved Tylophora			4	
Plantae	Flora	Apocynaceae	1244	*Tylophora paniculata*		Thin-leaved Tylophora			44	
Plantae	Flora	Apocynaceae	TYLO	*Tylophora spp.*					1	
Plantae	Flora	Apocynaceae	1245	*Tylophora woollsii*		Cryptic Forest Twiner	E1,P	E	1	
Plantae	Flora	Apocynaceae	1189	*Vinca major*	*	Periwinkle			1	
Plantae	Flora	Aponogetonaceae	10854	*Aponogeton elongatus subsp. elongatus*					1	
Plantae	Flora	Araceae	8672	*Alocasia brisbanensis*		Cunjevoi			44	
Plantae	Flora	Araceae	1194	*Colocasia esculenta*	*	Taro			8	
Plantae	Flora	Araceae	1195	*Gymnostachys anceps*		Settler's Twine			208	
Plantae	Flora	Araceae	11289	*Monstera deliciosa*	*	Fruit Salad Plant			4	

Plantae	Flora	Araceae	11329	*Philodendron bipinnatifidum*	*	Philodendron		1
Plantae	Flora	Araceae	1196	*Pothos longipes*				19
Plantae	Flora	Araceae	7155	*Typhonium brownii*				6
Plantae	Flora	Araceae	12674	*Typhonium clemeshae*				1
Plantae	Flora	Araliaceae	1202	*Astrotricha latifolia*				16
Plantae	Flora	Araliaceae	1205	*Astrotricha longifolia*				10
Plantae	Flora	Araliaceae	12091	*Astrotricha longifolia f. 'Coastal'*				4
Plantae	Flora	Araliaceae	12676	*Astrotricha sp. Mount Boss*				7
Plantae	Flora	Araliaceae	1206	*Cephalaralia cephalobotrys*		Climbing Panax		80
Plantae	Flora	Araliaceae	1209	*Polyscias elegans*		Celery Wood		42
Plantae	Flora	Araliaceae	1210	*Polyscias murrayi*		Pencil Cedar		28
Plantae	Flora	Araliaceae	1211	*Polyscias sambucifolia*		Elderberry Panax		231
Plantae	Flora	Araliaceae	12373	*Polyscias sambucifolia subsp. sambucifolia*				8
Plantae	Flora	Araliaceae	8701	*Schefflera actinophylla*	*	Umbrella Tree		15
Plantae	Flora	Araucariaceae	1213	*Araucaria cunninghamii*		Hoop Pine		3
Plantae	Flora	Araucariaceae	1214	*Araucaria heterophylla*	*	Norfolk Island Pine		3
Plantae	Flora	Arecaceae	6458	*Archontophoenix cunninghamiana*		Bangalow Palm	P	98
Plantae	Flora	Arecaceae	11671	*Dypsis lutescens*	*	Yellow Butterfly Palm		1
Plantae	Flora	Arecaceae	1220	*Linospadix monostachyos*		Walking-stick Palm	P	52
Plantae	Flora	Arecaceae	1221	*Livistona australis*		Cabbage Palm	P	45
Plantae	Flora	Arecaceae	11354	*Phoenix canariensis*	*	Canary Island Date Palm		3
Plantae	Flora	Arecaceae	11731	*Syagrus romanzoffiana*	*	Cocos Palm		9
Plantae	Flora	Asparagaceae	11784	*Asparagus aethiopicus*	*	Asparagus Fern		57
Plantae	Flora	Asparagaceae	12136	*Asparagus africanus*	*			1
Plantae	Flora	Asparagaceae	11785	*Asparagus plumosus*	*	Climbing Asparagus Fern		5
Plantae	Flora	Asparagaceae	8984	*Sansevieria trifasciata*	*	Mother-in-law's Tongue		1
Plantae	Flora	Asphodelaceae	ALOE	*Aloe spp.*	*			1
Plantae	Flora	Asphodelaceae	11778	*Aloe vera*	*			2
Plantae	Flora	Aspleniaceae	8029	*Asplenium aethiopicum*		Shredded Spleenwort		2
Plantae	Flora	Aspleniaceae	10643	*Asplenium attenuatum var. attenuatum*				2
Plantae	Flora	Aspleniaceae	8031	*Asplenium australasicum*		Bird's Nest Fern	P	88
Plantae	Flora	Aspleniaceae	8866	*Asplenium bulbiferum subsp. gracillimum*		Mother Spleenwort		8
Plantae	Flora	Aspleniaceae	7415	*Asplenium difforme*				7
Plantae	Flora	Aspleniaceae	8033	*Asplenium flabellifolium*		Necklace Fern		15
Plantae	Flora	Aspleniaceae	8883	*Asplenium flaccidum subsp. flaccidum*		Weeping Spleenwort		15
Plantae	Flora	Aspleniaceae	8037	*Asplenium polyodon*		Sickle Spleenwort		23
Plantae	Flora	Asteliaceae	7527	*Cordyline congesta*				8
Plantae	Flora	Asteliaceae	7873	*Cordyline rubra*		Palm-Lily		7
Plantae	Flora	Asteliaceae	CORD	*Cordyline spp.*	*			3
Plantae	Flora	Asteliaceae	1018	*Cordyline stricta*		Narrow-leaved Palm Lily	P	215
Plantae	Flora	Asteraceae	1250	*Achillea millefolium*	*	Yarrow		1
Plantae	Flora	Asteraceae	1251	*Acomis acoma*				2
Plantae	Flora	Asteraceae	9242	*Adenostemma lavenia var. lavenia*		Sticky Daisy		1
Plantae	Flora	Asteraceae	1255	*Ageratina adenophora*	*	Crofton Weed		44
Plantae	Flora	Asteraceae	1256	*Ageratina riparia*	*	Mistflower		6

Plantae	Flora	Asteraceae	AGER	*Ageratina spp.*	*			1
Plantae	Flora	Asteraceae	9370	*Ageratum conyzoides subsp. conyzoides*	*	Goatweed		2
Plantae	Flora	Asteraceae	1258	*Ageratum houstonianum*	*			51
Plantae	Flora	Asteraceae	1259	*Ambrosia artemisiifolia*	*	Annual Ragweed		6
Plantae	Flora	Asteraceae	1262	*Ambrosia tenuifolia*	*	Lacy Ragweed		4
Plantae	Flora	Asteraceae	1273	*Arctotheca calendula*	*	Capeweed		1
Plantae	Flora	Asteraceae	7391	*Arctotheca populifolia*	*	Beach Daisy		1
Plantae	Flora	Asteraceae	1275	*Arctotis stoechadifolia*	*	White Arctotis		1
Plantae	Flora	Asteraceae	1276	*Arrhenechthites mixta*		Purple Fireweed		2
Plantae	Flora	Asteraceae	1280	*Aster subulatus*	*	Wild Aster		8
Plantae	Flora	Asteraceae	1281	*Baccharis halimifolia*	*	Groundsel Bush		4
Plantae	Flora	Asteraceae	1283	*Bidens pilosa*	*	Cobbler's Pegs		136
Plantae	Flora	Asteraceae	1284	*Bidens subalternans*	*	Greater Beggar's Ticks		2
Plantae	Flora	Asteraceae	1285	*Bidens tripartita*	*	Burr Marigold		1
Plantae	Flora	Asteraceae	7218	*Brachyscome aculeata*		Hill Daisy		1
Plantae	Flora	Asteraceae	7244	*Brachyscome diversifolia var. dissecta*				1
Plantae	Flora	Asteraceae	6872	*Brachyscome microcarpa*				4
Plantae	Flora	Asteraceae	7911	*Brachyscome nova-anglica*				1
Plantae	Flora	Asteraceae	BRAC	*Brachyscome spp.*				1
Plantae	Flora	Asteraceae	1339	*Calotis dentex*		Burr-daisy		3
Plantae	Flora	Asteraceae	CALI	*Calotis spp.*		A Burr-daisy		1
Plantae	Flora	Asteraceae	1350	*Camptacra barbata*				1
Plantae	Flora	Asteraceae	1358	*Carthamus lanatus*	*	Saffron Thistle		1
Plantae	Flora	Asteraceae	1362	*Cassinia arcuata*		Sifton Bush		1
Plantae	Flora	Asteraceae	1368	*Cassinia leptocephala*				1
Plantae	Flora	Asteraceae	9246	*Cassinia leptocephala subsp. leptocephala*				1
Plantae	Flora	Asteraceae	CASI	*Cassinia spp.*				5
Plantae	Flora	Asteraceae	12425	*Cassinia telfordii*				3
Plantae	Flora	Asteraceae	1374	*Cassinia trinerva*				5
Plantae	Flora	Asteraceae	1375	*Cassinia uncata*		Sticky Cassinia		9
Plantae	Flora	Asteraceae	14360	*Centipeda minima subsp. minima*		spreading sneezeweed		2
Plantae	Flora	Asteraceae	13957	*Centratherum australianum*				14
Plantae	Flora	Asteraceae	8945	*Centratherum punctatum*	*			1
Plantae	Flora	Asteraceae	1392	*Chrysanthemoides monilifera*	*			39
Plantae	Flora	Asteraceae	9400	*Chrysanthemoides monilifera subsp. monilifera*	*	Boneseed		3
Plantae	Flora	Asteraceae	8686	*Chrysanthemoides monilifera subsp. rotundata*	*	Bitou Bush		40
Plantae	Flora	Asteraceae	8562	*Chrysocephalum semipapposum*		Clustered Everlasting		1
Plantae	Flora	Asteraceae	1400	*Cirsium vulgare*	*	Spear Thistle		78
Plantae	Flora	Asteraceae	1404	*Conyza bonariensis*	*	Flaxleaf Fleabane		56
Plantae	Flora	Asteraceae	10138	*Conyza canadensis var. canadensis*	*	Canadian Fleabane		5
Plantae	Flora	Asteraceae	1408	*Conyza parva*	*	Fleabane		4
Plantae	Flora	Asteraceae	CONY	*Conyza spp.*	*	A Fleabane		25
Plantae	Flora	Asteraceae	10442	*Conyza sumatrensis*	*	Tall fleabane		23
Plantae	Flora	Asteraceae	1409	*Coreopsis lanceolata*	*	Coreopsis		1
Plantae	Flora	Asteraceae	13745	*Coronidium elatum*				27
Plantae	Flora	Asteraceae	13836	*Coronidium scorpioides*		Button Everlasting		5
Plantae	Flora	Asteraceae	1412	*Cotula australis*		Common Cotula		3
Plantae	Flora	Asteraceae	1414	*Cotula coronopifolia*	*	Water Buttons		5
Plantae	Flora	Asteraceae	8634	*Craspedia variabilis*		Common Billy-buttons	P	2

Plantae	Flora	Asteraceae	1421	*Crassocephalum crepidioides*	*	Thickhead	6
Plantae	Flora	Asteraceae	1426	*Cymbonotus lawsonianus*		Bear's Ear	1
Plantae	Flora	Asteraceae	14577	*Dimorphotheca ecklonis*	*	Cape Daisy	1
Plantae	Flora	Asteraceae	7903	*Eclipta platyglossa*		Yellow Twin-heads	8
Plantae	Flora	Asteraceae	1435	*Eclipta prostrata*			2
Plantae	Flora	Asteraceae	1437	*Enydra fluctuans*			5
Plantae	Flora	Asteraceae	7425	*Epaltes australis*		Spreading Nut-heads	2
Plantae	Flora	Asteraceae	1439	*Erechtites valerianifolia*	*	Brazilian Fireweed	18
Plantae	Flora	Asteraceae	1441	*Erigeron karvinskianus*	*	Bony-tip Fleabane	6
Plantae	Flora	Asteraceae	9904	*Euchiton involucratus*		Star Cudweed	2
Plantae	Flora	Asteraceae	11439	*Euchiton japonicus*			21
Plantae	Flora	Asteraceae	9690	*Euchiton sphaericus*		Star Cudweed	10
Plantae	Flora	Asteraceae	EUCH	*Euchiton spp.*		A Cudweed	2
Plantae	Flora	Asteraceae	1449	*Facelis retusa*	*		3
Plantae	Flora	Asteraceae	1450	*Galinsoga parviflora*	*	Potato Weed	7
Plantae	Flora	Asteraceae	14493	*Gamochaeta coarctata*	*		5
Plantae	Flora	Asteraceae	12748	*Gamochaeta purpurea*	*	Purple Cudweed	16
Plantae	Flora	Asteraceae	9111	*Gazania rigens*	*		1
Plantae	Flora	Asteraceae	13989	*Glossocardia bidens*		Cobbler's Tack	4
Plantae	Flora	Asteraceae	1472	*Helianthus annuus*	*	Common Sunflower	1
Plantae	Flora	Asteraceae	HELI	*Helichrysum spp.*			3
Plantae	Flora	Asteraceae	7163	*Hemisteptia lyrata*			2
Plantae	Flora	Asteraceae	1540	*Hypochaeris glabra*	*	Smooth Catsear	13
Plantae	Flora	Asteraceae	8788	*Hypochaeris radicata*	*	Catsear	87
Plantae	Flora	Asteraceae	HYPC	*Hypochaeris spp.*	*	A Catsear	1
Plantae	Flora	Asteraceae	1550	*Lactuca serriola*	*	Prickly Lettuce	1
Plantae	Flora	Asteraceae	1551	*Lagenifera stipitata*		Blue Bottle-daisy	17
Plantae	Flora	Asteraceae	11959	*Lagenophora gracilis*		Slender Lagenophora	33
Plantae	Flora	Asteraceae	11960	*Lagenophora stipitata*		Common Lagenophora	3
Plantae	Flora	Asteraceae	8703	*Leptinella filicula*			2
Plantae	Flora	Asteraceae	9203	*Leptinella longipes*			2
Plantae	Flora	Asteraceae	12770	*Leptinella reptans*			1
Plantae	Flora	Asteraceae	1565	*Melanthera biflora*			9
Plantae	Flora	Asteraceae	1579	*Olearia alpicola*		Alpine Daisy-bush	1
Plantae	Flora	Asteraceae	1601	*Olearia microphylla*			1
Plantae	Flora	Asteraceae	1605	*Olearia nernstii*			7
Plantae	Flora	Asteraceae	8635	*Olearia oppositifolia*			1
Plantae	Flora	Asteraceae	1617	*Olearia tomentosa*		Toothed Daisy-bush	12
Plantae	Flora	Asteraceae	1618	*Olearia viscidula*		Wallaby Weed	3
Plantae	Flora	Asteraceae	8884	*Onopordum acanthium subsp. acanthium*	*	Scotch Thistle	9
Plantae	Flora	Asteraceae	9404	*Ozothamnus argophyllus*			2
Plantae	Flora	Asteraceae	8663	*Ozothamnus bidwillii*			2
Plantae	Flora	Asteraceae	9206	*Ozothamnus cassinioides*			1
Plantae	Flora	Asteraceae	8557	*Ozothamnus diosmifolius*		White Dogwood	142
Plantae	Flora	Asteraceae	8885	*Ozothamnus ferrugineus*		Tree Everlasting	1
Plantae	Flora	Asteraceae	8706	*Ozothamnus obcordatus subsp. major*		Grey Everlasting	2
Plantae	Flora	Asteraceae	8817	*Ozothamnus obovatus*			10
Plantae	Flora	Asteraceae	8665	*Ozothamnus rufescens*			16
Plantae	Flora	Asteraceae	OZOT	*Ozothamnus spp.*			1
Plantae	Flora	Asteraceae	8666	*Ozothamnus whitei*			1
Plantae	Flora	Asteraceae	10684	*Picris angustifolia subsp. angustifolia*			1

Plantae	Flora	Asteraceae	1633	*Podolepis jaceoides*		Showy Copper-wire Daisy	2
Plantae	Flora	Asteraceae	1636	*Podolepis neglecta*			1
Plantae	Flora	Asteraceae	7780	*Pseudognaphalium luteoalbum*		Jersey Cudweed	3
Plantae	Flora	Asteraceae	14267	*Psiadia altissima*	*		1
Plantae	Flora	Asteraceae	8563	*Rhodanthe anthemoides*			1
Plantae	Flora	Asteraceae	1651	*Senecio amygdalifolius*			42
Plantae	Flora	Asteraceae	7914	*Senecio diaschides*			10
Plantae	Flora	Asteraceae	1664	*Senecio hispidulus*		Hill Fireweed	1
Plantae	Flora	Asteraceae	1666	*Senecio lautus*		Variable Groundsel	3
Plantae	Flora	Asteraceae	1667	*Senecio linearifolius*		Fireweed Groundsel	3
Plantae	Flora	Asteraceae	12804	*Senecio linearifolius var. arachnoideus*			1
Plantae	Flora	Asteraceae	6465	*Senecio madagascariensis*	*	Fireweed	155
Plantae	Flora	Asteraceae	1671	*Senecio minimus*			3
Plantae	Flora	Asteraceae	12221	*Senecio pinnatifolius*			4
Plantae	Flora	Asteraceae	14040	*Senecio pinnatifolius var. lanceolatus*			2
Plantae	Flora	Asteraceae	12811	*Senecio pinnatifolius var. pinnatifolius*			8
Plantae	Flora	Asteraceae	11634	*Senecio prenanthoides*			1
Plantae	Flora	Asteraceae	1675	*Senecio quadridentatus*		Cotton Fireweed	1
Plantae	Flora	Asteraceae	SENE	*Senecio spp.*	*	Groundsel, Fireweed	5
Plantae	Flora	Asteraceae	10171	*Senecio tamoides*	*		1
Plantae	Flora	Asteraceae	8589	*Senecio tenuiflorus*		A fireweed	1
Plantae	Flora	Asteraceae	1679	*Senecio vagus*			2
Plantae	Flora	Asteraceae	11237	*Senecio vagus subsp. eglandulosus*			3
Plantae	Flora	Asteraceae	1680	*Senecio velleioides*			1
Plantae	Flora	Asteraceae	8781	*Sigesbeckia australiensis*			1
Plantae	Flora	Asteraceae	8789	*Sigesbeckia orientalis subsp. orientalis*		Indian Weed	33
Plantae	Flora	Asteraceae	1686	*Soliva anthemifolia*	*	Dwarf Jo-jo	1
Plantae	Flora	Asteraceae	7851	*Soliva sessilis*	*	Bindyi	11
Plantae	Flora	Asteraceae	1689	*Sonchus asper*	*	Prickly Sowthistle	1
Plantae	Flora	Asteraceae	1690	*Sonchus oleraceus*	*	Common Sowthistle	50
Plantae	Flora	Asteraceae	12815	*Sphagneticola trilobata*	*		2
Plantae	Flora	Asteraceae	1695	*Tagetes minuta*	*	Stinking Roger	20
Plantae	Flora	Asteraceae	1698	*Taraxacum officinale*	*	Dandelion	95
Plantae	Flora	Asteraceae	TARA	*Taraxacum spp.*		Dandelion	2
Plantae	Flora	Asteraceae	7433	*Vernonia cinerea*			63
Plantae	Flora	Asteraceae	9254	*Vernonia cinerea var. cinerea*			29
Plantae	Flora	Asteraceae	1711	*Vittadinia cuneata*		A Fuzzweed	1
Plantae	Flora	Asteraceae	VITT	*Vittadinia spp.*		Fuzzweed	1
Plantae	Flora	Asteraceae	1724	*Wedelia spilanthoides*			1
Plantae	Flora	Asteraceae	7130	*Xanthium occidentale*	*	Noogoora Burr	4
Plantae	Flora	Asteraceae	XANH	*Xanthium spp.*	*		1
Plantae	Flora	Asteraceae	11377	*Xerochrysum bracteatum*		Golden Everlasting	6
Plantae	Flora	Asteraceae	1730	*Youngia japonica*			2
Plantae	Flora	Athyriaceae	10702	*Deparia petersenii subsp. congrua*			6
Plantae	Flora	Athyriaceae	8043	*Diplazium assimile*			3
Plantae	Flora	Athyriaceae	8351	*Diplazium australe*		Austral Lady Fern	10
Plantae	Flora	Athyriaceae	8044	*Diplazium dilatatum*			5
Plantae	Flora	Azollaceae	9260	*Azolla filiculoides*		Pacific Azolla	2
Plantae	Flora	Azollaceae	8049	*Azolla pinnata*			3
Plantae	Flora	Azollaceae	AZOL	*Azolla spp.*			6
Plantae	Flora	Balsaminaceae	9112	*Impatiens walleriana*	*		1
Plantae	Flora	Basellaceae	1733	*Anredera cordifolia*	*	Madeira Vine	3

Plantae	Flora	Bignoniaceae	8688	*Jacaranda mimosifolia*	*	Jacaranda		3
Plantae	Flora	Bignoniaceae	1739	*Pandorea jasminoides*		Bower Vine		5
Plantae	Flora	Bignoniaceae	1740	*Pandorea pandorana*		Wonga Wonga Vine		192
Plantae	Flora	Bignoniaceae	10485	*Pandorea pandorana subsp. pandorana*		Wonga Wonga Vine		12
Plantae	Flora	Bignoniaceae	10205	*Tecoma capensis*	*	Cape Honeysuckle		1
Plantae	Flora	Bignoniaceae	10206	*Tecoma stans*	*	Yellow Bignonia		2
Plantae	Flora	Blandfordiaceae	3528	*Blandfordia grandiflora*		Christmas Bells	P	4
Plantae	Flora	Blechnaceae	8051	*Blechnum camfieldii*				5
Plantae	Flora	Blechnaceae	8052	*Blechnum cartilagineum*		Gristle Fern		238
Plantae	Flora	Blechnaceae	8057	*Blechnum indicum*		Swamp Water Fern		84
Plantae	Flora	Blechnaceae	7760	*Blechnum minus*		Soft Water Fern		1
Plantae	Flora	Blechnaceae	8058	*Blechnum nudum*		Fishbone Water Fern		18
Plantae	Flora	Blechnaceae	8060	*Blechnum patersonii*		Strap Water Fern		21
Plantae	Flora	Blechnaceae	10519	*Blechnum patersonii subsp. patersonii*				7
Plantae	Flora	Blechnaceae	BLEC	*Blechnum spp.*				1
Plantae	Flora	Blechnaceae	8063	*Blechnum wattsii*		Hard Water Fern		46
Plantae	Flora	Blechnaceae	8064	*Doodia aspera*		Prickly Rasp Fern		175
Plantae	Flora	Blechnaceae	8065	*Doodia caudata*		Small Rasp Fern		5
Plantae	Flora	Blechnaceae	10522	*Doodia linearis*		Small Rasp Fern		1
Plantae	Flora	Boraginaceae	8667	*Austrocynoglossum latifolium*				8
Plantae	Flora	Boraginaceae	1751	*Echium plantagineum*	*	Patterson's Curse		1
Plantae	Flora	Boraginaceae	7370	*Ehretia acuminata var. acuminata*		Koda		33
Plantae	Flora	Boraginaceae	1758	*Heliotropium amplexicaule*	*	Blue Heliotrope		1
Plantae	Flora	Brassicaceae	9732	*Brassica rapa subsp. sylvestris*	*	Turnip		1
Plantae	Flora	Brassicaceae	BRAS	*Brassica spp.*	*	Brassica		1
Plantae	Flora	Brassicaceae	1794	*Capsella bursa-pastoris*	*	Shepherd's Purse		1
Plantae	Flora	Brassicaceae	CAPS	*Capsella spp.*	*			1
Plantae	Flora	Brassicaceae	1795	*Cardamine hirsuta*	*	Common Bittercress		1
Plantae	Flora	Brassicaceae	10568	*Cardamine microthrix*		Eastern Bitter-cress		3
Plantae	Flora	Brassicaceae	1800	*Coronopus didymus*	*	Lesser Swinecress		1
Plantae	Flora	Brassicaceae	1844	*Rorippa gigantea*				1
Plantae	Flora	Brassicaceae	1848	*Rorippa nasturtium-aquaticum*	*	Watercress		1
Plantae	Flora	Brassicaceae	1850	*Sinapis arvensis*	*	Charlock		1
Plantae	Flora	Burmanniaceae	7104	*Burmannia disticha*				2
Plantae	Flora	Cabombaceae	1867	*Cabomba caroliniana*	*	Cabomba		2
Plantae	Flora	Cactaceae	1875	*Opuntia stricta*	*	Common Prickly Pear		1
Plantae	Flora	Callitrichaceae	1907	*Callitriche muelleri*				3
Plantae	Flora	Callitrichaceae	1909	*Callitriche stagnalis*	*	Common Starwort		1
Plantae	Flora	Campanulaceae	1929	*Wahlenbergia communis*		Tufted Bluebell		3
Plantae	Flora	Campanulaceae	1934	*Wahlenbergia gracilis*		Sprawling Bluebell		9
Plantae	Flora	Campanulaceae	WAHL	*Wahlenbergia spp.*		Bluebell		1
Plantae	Flora	Campanulaceae	1938	*Wahlenbergia stricta*		Tall Bluebell		1
Plantae	Flora	Campanulaceae	8708	*Wahlenbergia stricta subsp. stricta*		Tall Bluebell		3
Plantae	Flora	Cannaceae	10436	*Canna x generalis*	*			1
Plantae	Flora	Capparaceae	1943	*Capparis arborea*		Native Pomegranate		16
Plantae	Flora	Capparaceae	7353	*Cleome hassleriana*	*	Giant Spider-flower		1
Plantae	Flora	Caprifoliaceae	1952	*Lonicera japonica*	*	Japanese Honeysuckle		12
Plantae	Flora	Cardiopteridaceae	3275	*Citronella moorei*				32

Plantae	Flora	Caryophyllaceae	1960	*Cerastium glomeratum*	*	Mouse-ear Chickweed			3	
Plantae	Flora	Caryophyllaceae	13845	*Petrorhagia dubia*	*				1	
Plantae	Flora	Caryophyllaceae	10547	*Silene latifolia subsp. alba*	*	White Campion			1	
Plantae	Flora	Caryophyllaceae	2004	*Stellaria flaccida*					1	
Plantae	Flora	Caryophyllaceae	2006	*Stellaria media*	*	Common Chickweed			6	
Plantae	Flora	Casuarinaceae	8980	*Allocasuarina defungens*		Dwarf Heath Casuarina	E1,P	E	32	
Plantae	Flora	Casuarinaceae	2012	*Allocasuarina littoralis*		Black She-Oak			220	
Plantae	Flora	Casuarinaceae	9011	*Allocasuarina simulans*		Nabiac Casuarina	V,P	V	K	
Plantae	Flora	Casuarinaceae	ALLC	*Allocasuarina spp.*					6	
Plantae	Flora	Casuarinaceae	14655	*Allocasuarina thalassoscopica*					1	
Plantae	Flora	Casuarinaceae	2017	*Allocasuarina torulosa*		Forest Oak			517	
Plantae	Flora	Casuarinaceae	9006	*Casuarina cunninghamiana subsp. cunninghamiana*		River Oak	P		15	
Plantae	Flora	Casuarinaceae	9247	*Casuarina equisetifolia subsp. incana*		Coastal She-oak			4	
Plantae	Flora	Casuarinaceae	2022	*Casuarina glauca*		Swamp Oak			158	
Plantae	Flora	Casuarinaceae	CASU	*Casuarina spp.*					1	
Plantae	Flora	Celastraceae	2026	*Celastrus australis*		Staff Climber			8	
Plantae	Flora	Celastraceae	6794	*Celastrus subspicata*		Large-leaved Staff Vine			42	
Plantae	Flora	Celastraceae	14671	*Denhamia bilocularis*					2	
Plantae	Flora	Celastraceae	8387	*Denhamia celastroides*		Denhamia			17	
Plantae	Flora	Celastraceae	7278	*Denhamia pittosporoides subsp. pittosporoides*		Veiny Denhamia			1	
Plantae	Flora	Celastraceae	14670	*Denhamia silvestris*		Narrow-leaved Orangebark			44	
Plantae	Flora	Celastraceae	2029	*Elaeodendron australe*					27	
Plantae	Flora	Celastraceae	12523	*Elaeodendron australe var. australe*					10	
Plantae	Flora	Ceratophyllaceae	2042	*Ceratophyllum demersum*		Hornwort			2	
Plantae	Flora	Chenopodiaceae	2065	*Atriplex patula*	*				1	
Plantae	Flora	Chenopodiaceae	9614	*Atriplex prostrata*	*				1	
Plantae	Flora	Chenopodiaceae	2084	*Chenopodium album*	*	Fat Hen			1	
Plantae	Flora	Chenopodiaceae	2094	*Chenopodium glaucum*					1	
Plantae	Flora	Chenopodiaceae	2110	*Einadia hastata*		Berry Saltbush			8	
Plantae	Flora	Chenopodiaceae	6481	*Einadia nutans subsp. linifolia*		Climbing Saltbush			1	
Plantae	Flora	Chenopodiaceae	2114	*Enchylaena tomentosa*		Ruby Saltbush			1	
Plantae	Flora	Chenopodiaceae	11156	*Salsola tragus 'strobilifera'*					1	
Plantae	Flora	Chenopodiaceae	9423	*Sarcocornia quinqueflora subsp. quinqueflora*					17	
Plantae	Flora	Chenopodiaceae	2200	*Suaeda australis*					2	

Plantae	Flora	Clusiaceae	7240	*Hypericum gramineum*		Small St John's Wort	17
Plantae	Flora	Clusiaceae	2203	*Hypericum japonicum*			4
Plantae	Flora	Clusiaceae	2204	*Hypericum perforatum*	*	St. Johns Wort	1
Plantae	Flora	Colchicaceae	3533	*Burchardia umbellata*		Milkmaids	7
Plantae	Flora	Colchicaceae	3578	*Wurmbea biglandulosa*			7
Plantae	Flora	Colchicaceae	7699	*Wurmbea dioica subsp. dioica*		Early Nancy	2
Plantae	Flora	Commelinaceae	2206	*Aneilema acuminatum*			4
Plantae	Flora	Commelinaceae	2207	*Aneilema biflorum*			2
Plantae	Flora	Commelinaceae	2209	*Commelina cyanea*		Native Wandering Jew	73
Plantae	Flora	Commelinaceae	6788	*Murdannia graminea*			4
Plantae	Flora	Commelinaceae	2211	*Pollia crispata*			11
Plantae	Flora	Commelinaceae	10508	*Tradescantia fluminensis*	*	Wandering Jew	38
Plantae	Flora	Commelinaceae	12262	*Tradescantia pallida*	*	Purple Queen	1
Plantae	Flora	Commelinaceae	8969	*Tradescantia zebrina*	*	Silvery Inch Plant	1
Plantae	Flora	Convolvulaceae	2215	*Calystegia marginata*			20
Plantae	Flora	Convolvulaceae	2219	*Convolvulus arvensis*	*	Field Bindweed	1
Plantae	Flora	Convolvulaceae	2220	*Convolvulus erubescens*		Pink Bindweed	17
Plantae	Flora	Convolvulaceae	CONV	*Convolvulus spp.*	*	A Bindweed	1
Plantae	Flora	Convolvulaceae	2286	*Cuscuta australis*		Australian Dodder	1
Plantae	Flora	Convolvulaceae	2287	*Cuscuta campestris*	*	Golden Dodder	3
Plantae	Flora	Convolvulaceae	2222	*Dichondra repens*		Kidney Weed	115
Plantae	Flora	Convolvulaceae	8727	*Dichondra sp. A*		Kidney Weed	2
Plantae	Flora	Convolvulaceae	8278	*Evolvulus alsinoides var. decumbens*			2
Plantae	Flora	Convolvulaceae	12139	*Ipomoea brasiliensis*			2
Plantae	Flora	Convolvulaceae	2225	*Ipomoea cairica*	*		33
Plantae	Flora	Convolvulaceae	2227	*Ipomoea indica*	*	Morning Glory	13
Plantae	Flora	Convolvulaceae	2229	*Ipomoea purpurea*	*	Common Morning Glory	1
Plantae	Flora	Convolvulaceae	2231	*Polymeria calycina*			69
Plantae	Flora	Cornaceae	6469	*Alangium villosum subsp. polyosmoides*		Muskwood	23
Plantae	Flora	Crassulaceae	8813	*Bryophyllum delagoense*	*	Mother of millions	1
Plantae	Flora	Crassulaceae	6827	*Bryophyllum pinnatum*	*	Resurrection Plant	1
Plantae	Flora	Crassulaceae	2242	*Crassula sieberiana*		Australian Stonecrop	2
Plantae	Flora	Cucurbitaceae	2261	*Sicyos australis*			1
Plantae	Flora	Cucurbitaceae	2263	*Zehneria cunninghamii*		Slender Cucumber	5
Plantae	Flora	Cunoniaceae	2267	*Bauera capitata*			8
Plantae	Flora	Cunoniaceae	2268	*Bauera rubioides*		River Rose	1
Plantae	Flora	Cunoniaceae	2269	*Caldcluvia paniculosa*		Soft Corkwood	166

Plantae	Flora	Cunoniaceae	2270	*Callicoma serratifolia*		Black Wattle			132	
Plantae	Flora	Cunoniaceae	2271	*Ceratopetalum apetalum*		Coachwood			103	
Plantae	Flora	Cunoniaceae	2272	*Ceratopetalum gummiferum*		Christmas Bush	P		24	
Plantae	Flora	Cunoniaceae	2273	*Geissois benthamiana*		Red Carabeen			34	
Plantae	Flora	Cunoniaceae	2275	*Schizomeria ovata*		Crabapple			183	
Plantae	Flora	Cunoniaceae	2276	*Vesselowskya rubifolia*		Southern Marara			8	
Plantae	Flora	Cunoniaceae	11685	*Vesselowskya venusta*					4	
Plantae	Flora	Cupressaceae	2280	*Callitris macleayana*		Stringybark Pine			14	
Plantae	Flora	Cupressaceae	2283	*Callitris oblonga*		Pygmy Cypress Pine	V,P	V	K	
Plantae	Flora	Cupressaceae	2285	*Callitris rhomboidea*		Port Jackson Pine			13	
Plantae	Flora	Cupressaceae	12449	*Chamaecyparis lawsoniana*	*	Lawson's Cypress			1	
Plantae	Flora	Cyatheaceae	8074	*Cyathea australis*		Rough Treefern	P		122	
Plantae	Flora	Cyatheaceae	8076	*Cyathea cooperi*		Straw Treefern	P		13	
Plantae	Flora	Cyatheaceae	8079	*Cyathea leichhardtiana*		Prickly Treefern	P		57	
Plantae	Flora	Cyatheaceae	CYAT	*Cyathea spp.*			P		7	
Plantae	Flora	Cyperaceae	8856	*Abildgaardia ovata*					6	
Plantae	Flora	Cyperaceae	2294	*Baumea acuta*					2	
Plantae	Flora	Cyperaceae	2295	*Baumea arthrophylla*					1	
Plantae	Flora	Cyperaceae	2296	*Baumea articulata*		Jointed Twig-rush			38	
Plantae	Flora	Cyperaceae	2299	*Baumea juncea*					30	
Plantae	Flora	Cyperaceae	2300	*Baumea muelleri*					6	
Plantae	Flora	Cyperaceae	2301	*Baumea nuda*					1	
Plantae	Flora	Cyperaceae	9016	*Baumea planifolia*					1	
Plantae	Flora	Cyperaceae	2302	*Baumea rubiginosa*					40	
Plantae	Flora	Cyperaceae	BAUM	*Baumea spp.*					1	
Plantae	Flora	Cyperaceae	2303	*Baumea teretifolia*					15	
Plantae	Flora	Cyperaceae	2305	*Bolboschoenus caldwellii*					3	
Plantae	Flora	Cyperaceae	BOLB	*Bolboschoenus spp.*					2	
Plantae	Flora	Cyperaceae	2310	*Carex appressa*		Tall Sedge			65	
Plantae	Flora	Cyperaceae	2313	*Carex breviculmis*					18	
Plantae	Flora	Cyperaceae	2314	*Carex brownii*					4	
Plantae	Flora	Cyperaceae	9019	*Carex brunnea*		Greater Brown Sedge			9	
Plantae	Flora	Cyperaceae	2319	*Carex declinata*					1	
Plantae	Flora	Cyperaceae	2321	*Carex fascicularis*		Tassel Sedge			16	
Plantae	Flora	Cyperaceae	2322	*Carex gaudichaudiana*					6	
Plantae	Flora	Cyperaceae	2325	*Carex hubbardii*					2	
Plantae	Flora	Cyperaceae	7898	*Carex incomitata*					1	
Plantae	Flora	Cyperaceae	2327	*Carex inversa*		Knob Sedge			9	
Plantae	Flora	Cyperaceae	2330	*Carex lobolepis*					1	
Plantae	Flora	Cyperaceae	2331	*Carex longebrachiata*					39	
Plantae	Flora	Cyperaceae	8855	*Carex maculata*					23	
Plantae	Flora	Cyperaceae	CARE	*Carex spp.*					21	
Plantae	Flora	Cyperaceae	11001	*Caustis blakei subsp. blakei*			P		9	
Plantae	Flora	Cyperaceae	2341	*Caustis flexuosa*		Curly Wig	P		4	
Plantae	Flora	Cyperaceae	2343	*Caustis recurvata*			P		9	
Plantae	Flora	Cyperaceae	9315	*Caustis recurvata var. recurvata*			P		5	
Plantae	Flora	Cyperaceae	2344	*Chorizandra cymbaria*					25	
Plantae	Flora	Cyperaceae	2345	*Chorizandra sphaerocephala*		Roundhead Bristle-sedge			17	
Plantae	Flora	Cyperaceae	2346	*Cladium procerum*					4	
Plantae	Flora	Cyperaceae	2353	*Cyperus brevifolius*	*				12	
Plantae	Flora	Cyperaceae	2358	*Cyperus congestus*	*				5	
Plantae	Flora	Cyperaceae	2359	*Cyperus cyperoides*					2	
Plantae	Flora	Cyperaceae	7143	*Cyperus difformis*		Dirty Dora			5	
Plantae	Flora	Cyperaceae	2360	*Cyperus disjunctus*					15	
Plantae	Flora	Cyperaceae	9144	*Cyperus eglobosus*					1	
Plantae	Flora	Cyperaceae	2363	*Cyperus enervis*					3	
Plantae	Flora	Cyperaceae	2364	*Cyperus eragrostis*	*	Umbrella Sedge			43	
Plantae	Flora	Cyperaceae	2365	*Cyperus esculentus*	*	Yellow Nutgrass			1	
Plantae	Flora	Cyperaceae	2366	*Cyperus exaltatus*					2	

Plantae	Flora	Cyperaceae	2367	*Cyperus filipes*				1
Plantae	Flora	Cyperaceae	2368	*Cyperus flaccidus*		Lax Flat-sedge		1
Plantae	Flora	Cyperaceae	2374	*Cyperus gracilis*		Slender Flat-sedge		9
Plantae	Flora	Cyperaceae	7535	*Cyperus haspan*				4
Plantae	Flora	Cyperaceae	9146	*Cyperus haspan subsp. haspan*				4
Plantae	Flora	Cyperaceae	9147	*Cyperus haspan subsp. juncoides*				1
Plantae	Flora	Cyperaceae	2377	*Cyperus imbecillis*				1
Plantae	Flora	Cyperaceae	2378	*Cyperus involucratus*	*	Umbrella Plant		2
Plantae	Flora	Cyperaceae	2379	*Cyperus laevigatus*				5
Plantae	Flora	Cyperaceae	2380	*Cyperus laevis*				4
Plantae	Flora	Cyperaceae	2381	*Cyperus leiocaulon*				2
Plantae	Flora	Cyperaceae	2383	*Cyperus lucidus*		Leafy Flat Sedge		6
Plantae	Flora	Cyperaceae	2385	*Cyperus odoratus*				2
Plantae	Flora	Cyperaceae	2386	*Cyperus papyrus*	*			3
Plantae	Flora	Cyperaceae	8483	*Cyperus polystachyos*				40
Plantae	Flora	Cyperaceae	2393	*Cyperus rotundus*	*	Nutgrass		10
Plantae	Flora	Cyperaceae	2395	*Cyperus sanguinolentus*				4
Plantae	Flora	Cyperaceae	2398	*Cyperus sesquiflorus*	*			4
Plantae	Flora	Cyperaceae	2399	*Cyperus sphaeroideus*				2
Plantae	Flora	Cyperaceae	CYPE	*Cyperus spp.*				9
Plantae	Flora	Cyperaceae	2403	*Cyperus tetraphyllus*				15
Plantae	Flora	Cyperaceae	2404	*Cyperus trinervis*				10
Plantae	Flora	Cyperaceae	2408	*Eleocharis acuta*				8
Plantae	Flora	Cyperaceae	2411	*Eleocharis cylindrostachys*				2
Plantae	Flora	Cyperaceae	2413	*Eleocharis equisetina*				35
Plantae	Flora	Cyperaceae	2415	*Eleocharis minuta*	*			5
Plantae	Flora	Cyperaceae	6988	*Eleocharis sphacelata*		Tall Spike Rush		39
Plantae	Flora	Cyperaceae	ELEO	*Eleocharis spp.*		Spike-rush, Spike-sedge		8
Plantae	Flora	Cyperaceae	12416	*Ficinia nodosa*		Knobby Club-rush		11
Plantae	Flora	Cyperaceae	6663	*Fimbristylis cinnamometorum*				2
Plantae	Flora	Cyperaceae	7435	*Fimbristylis dichotoma*		Common Fringe-sedge		24
Plantae	Flora	Cyperaceae	7328	*Fimbristylis ferruginea*				6
Plantae	Flora	Cyperaceae	7870	*Fimbristylis polytrichoides*				1
Plantae	Flora	Cyperaceae	2428	*Fimbristylis tristachya*				1
Plantae	Flora	Cyperaceae	2431	*Gahnia aspera*		Rough Saw-sedge		121
Plantae	Flora	Cyperaceae	2432	*Gahnia clarkei*		Tall Saw-sedge		173
Plantae	Flora	Cyperaceae	2437	*Gahnia insignis*				4
Plantae	Flora	Cyperaceae	2439	*Gahnia melanocarpa*		Black Fruit Saw-sedge		51
Plantae	Flora	Cyperaceae	2442	*Gahnia sieberiana*		Red-fruit Saw-sedge	P	95
Plantae	Flora	Cyperaceae	GAHN	*Gahnia spp.*				4
Plantae	Flora	Cyperaceae	2445	*Gymnoschoenus sphaerocephalus*		Button Grass		2
Plantae	Flora	Cyperaceae	2448	*Isolepis cernua*		Nodding Club-rush		2
Plantae	Flora	Cyperaceae	2451	*Isolepis habra*				1
Plantae	Flora	Cyperaceae	2454	*Isolepis inundata*		Club-rush		32
Plantae	Flora	Cyperaceae	6455	*Isolepis sepulcralis*	*			1
Plantae	Flora	Cyperaceae	8379	*Lepidosperma elatius*				8
Plantae	Flora	Cyperaceae	2465	*Lepidosperma filiforme*				7
Plantae	Flora	Cyperaceae	8749	*Lepidosperma gunnii*				3
Plantae	Flora	Cyperaceae	9313	*Lepidosperma latens*				3
Plantae	Flora	Cyperaceae	6402	*Lepidosperma laterale*		Variable Sword-sedge		179
Plantae	Flora	Cyperaceae	2469	*Lepidosperma limicola*				6
Plantae	Flora	Cyperaceae	2470	*Lepidosperma longitudinale*		Pithy Sword-sedge		4
Plantae	Flora	Cyperaceae	2471	*Lepidosperma neesii*				5
Plantae	Flora	Cyperaceae	2472	*Lepidosperma quadrangulatum*				16
Plantae	Flora	Cyperaceae	LEPD	*Lepidosperma spp.*				7
Plantae	Flora	Cyperaceae	2474	*Lepidosperma tortuosum*				3

Plantae	Flora	Cyperaceae	2475	*Lepidosperma urophorum*			6	
Plantae	Flora	Cyperaceae	2476	*Lepironia articulata*			36	
Plantae	Flora	Cyperaceae	8956	*Ptilothrix deusta*			39	
Plantae	Flora	Cyperaceae	2482	*Rhynchospora brownii*	Grassy Beak-sedge		2	
Plantae	Flora	Cyperaceae	12906	*Rhynchospora brownii subsp. brownii*			2	
Plantae	Flora	Cyperaceae	6707	*Schoenoplectus mucronatus*			25	
Plantae	Flora	Cyperaceae	SCHO	*Schoenoplectus spp.*			4	
Plantae	Flora	Cyperaceae	2490	*Schoenoplectus validus*			1	
Plantae	Flora	Cyperaceae	2491	*Schoenus apogon*	Fluke Bogrush		20	
Plantae	Flora	Cyperaceae	2492	*Schoenus brevifolius*			23	
Plantae	Flora	Cyperaceae	2495	*Schoenus ericetorum*			2	
Plantae	Flora	Cyperaceae	9057	*Schoenus lepidosperma subsp. pachylepis*			2	
Plantae	Flora	Cyperaceae	2499	*Schoenus maschalinus*			3	
Plantae	Flora	Cyperaceae	2500	*Schoenus melanostachys*			29	
Plantae	Flora	Cyperaceae	2504	*Schoenus paludosus*			2	
Plantae	Flora	Cyperaceae	8899	*Schoenus vaginatus*			1	
Plantae	Flora	Cyperaceae	2514	*Scleria mackaviensis*			4	
Plantae	Flora	Cyperaceae	2516	*Tetraria capillaris*			3	
Plantae	Flora	Cyperaceae	2518	*Tricostularia pauciflora*			1	
Plantae	Flora	Cyperaceae	8902	*Uncinia nemoralis*			1	
Plantae	Flora	Davalliaceae	8084	*Arthropteris beckleri*			15	
Plantae	Flora	Davalliaceae	8085	*^^Arthropteris palisotii*	Lesser Creeping Fern	E1,P,3	K	
Plantae	Flora	Davalliaceae	8086	*Arthropteris tenella*			49	
Plantae	Flora	Davalliaceae	10647	*Davallia solida var. pyxidata*	Hare's Foot Fern		36	
Plantae	Flora	Davalliaceae	8088	*Nephrolepis cordifolia*	Fishbone Fern		26	
Plantae	Flora	Davalliaceae	NEPH	*Nephrolepis spp.*			3	
Plantae	Flora	Dennstaedtiaceae	7411	*Dennstaedtia davallioides*	Lacy Ground Fern		6	
Plantae	Flora	Dennstaedtiaceae	7271	*Histiopteris incisa*	Bat's Wing Fern		38	
Plantae	Flora	Dennstaedtiaceae	7385	*Hypolepis glandulifera*	Downy Ground Fern		13	
Plantae	Flora	Dennstaedtiaceae	7749	*Hypolepis muelleri*	Harsh Ground Fern		58	
Plantae	Flora	Dennstaedtiaceae	7653	*Hypolepis rugosula*	Ruddy Ground Fern		1	
Plantae	Flora	Dennstaedtiaceae	HYPL	*Hypolepis spp.*			1	
Plantae	Flora	Dennstaedtiaceae	6403	*Pteridium esculentum*	Bracken		314	
Plantae	Flora	Dicksoniaceae	8341	*Calochlaena dubia*	Rainbow Fern		231	
Plantae	Flora	Dicksoniaceae	8082	*Dicksonia antarctica*	Soft Treefern	P	22	
Plantae	Flora	Dicksoniaceae	DICK	*Dicksonia spp.*		P	1	
Plantae	Flora	Dilleniaceae	2526	*Hibbertia acicularis*			4	
Plantae	Flora	Dilleniaceae	2527	*Hibbertia aspera*	Rough Guinea Flower		52	
Plantae	Flora	Dilleniaceae	10554	*Hibbertia aspera subsp. aspera*			8	
Plantae	Flora	Dilleniaceae	2532	*Hibbertia dentata*	Twining Guinea Flower		85	
Plantae	Flora	Dilleniaceae	12910	*Hibbertia dentata var. dentata*			3	
Plantae	Flora	Dilleniaceae	2533	*Hibbertia diffusa*	Wedge Guinea Flower		9	
Plantae	Flora	Dilleniaceae	10863	*Hibbertia empetrifolia subsp. empetrifolia*			33	
Plantae	Flora	Dilleniaceae	2536	*Hibbertia fasciculata*			10	
Plantae	Flora	Dilleniaceae	2538	*Hibbertia hexandra*	Tree Guinea Flower	E1,P	8	
Plantae	Flora	Dilleniaceae	9696	*Hibbertia incana*			1	

Plantae	Flora	Dilleniaceae	2539	*Hibbertia linearis*			10
Plantae	Flora	Dilleniaceae	2542	*Hibbertia obtusifolia*	Hoary Guinea Flower		17
Plantae	Flora	Dilleniaceae	2543	*Hibbertia pedunculata*			7
Plantae	Flora	Dilleniaceae	2545	*Hibbertia riparia*			8
Plantae	Flora	Dilleniaceae	2546	*Hibbertia rufa*	Brown Guinea Flower		2
Plantae	Flora	Dilleniaceae	7436	*Hibbertia salicifolia*			2
Plantae	Flora	Dilleniaceae	2548	*Hibbertia scandens*	Climbing Guinea Flower		267
Plantae	Flora	Dilleniaceae	2550	*Hibbertia serpyllifolia*	Hairy Guinea Flower		4
Plantae	Flora	Dilleniaceae	HIBB	*Hibbertia spp.*			12
Plantae	Flora	Dilleniaceae	11250	*Hibbertia superans*		E1,P	15
Plantae	Flora	Dilleniaceae	2551	*Hibbertia vestita*			19
Plantae	Flora	Dilleniaceae	8590	*Hibbertia villosa*			5
Plantae	Flora	Dioscoreaceae	6446	*Dioscorea transversa*	Native Yam		159
Plantae	Flora	Droseraceae	2556	*Drosera auriculata*			1
Plantae	Flora	Droseraceae	2557	*Drosera binata*	Forked Sundew		3
Plantae	Flora	Droseraceae	12073	*Drosera burmanni*			3
Plantae	Flora	Droseraceae	2559	*Drosera peltata*	A Sundew		7
Plantae	Flora	Droseraceae	2561	*Drosera spatulata*			12
Plantae	Flora	Droseraceae	DROS	*Drosera spp.*			3
Plantae	Flora	Dryopteridaceae	8012	*Arachniodes aristata*	Prickly Shield Fern		5
Plantae	Flora	Dryopteridaceae	8014	*Lastreopsis acuminata*	Shiny Shield Fern		37
Plantae	Flora	Dryopteridaceae	8015	*Lastreopsis decomposita*	Trim Shield Fern		82
Plantae	Flora	Dryopteridaceae	11102	*Lastreopsis microsora subsp. microsora*	Creeping Shield Fern		43
Plantae	Flora	Dryopteridaceae	8019	*Lastreopsis munita*	Naked Shield Fern		9
Plantae	Flora	Dryopteridaceae	LAST	*Lastreopsis spp.*			5
Plantae	Flora	Dryopteridaceae	8023	*Polystichum australiense*	Harsh Shield Fern		1
Plantae	Flora	Dryopteridaceae	8024	*Polystichum fallax*			1
Plantae	Flora	Dryopteridaceae	8025	*Polystichum formosum*	Broad Shield Fern		2
Plantae	Flora	Dryopteridaceae	8027	*Polystichum proliferum*	Mother Shield Fern		2
Plantae	Flora	Ebenaceae	2562	*Diospyros australis*	Black Plum		80
Plantae	Flora	Ebenaceae	2566	*Diospyros pentamera*	Myrtle Ebony		40
Plantae	Flora	Elaeocarpaceae	2567	*Aristotelia australasica*	Mountain Wineberry		6
Plantae	Flora	Elaeocarpaceae	2571	*Elaeocarpus holopetalus*	Black Olive Berry		1
Plantae	Flora	Elaeocarpaceae	2572	*Elaeocarpus kirtonii*	Silver Quandong		6
Plantae	Flora	Elaeocarpaceae	2573	*Elaeocarpus obovatus*	Hard Quandong		63
Plantae	Flora	Elaeocarpaceae	2574	*Elaeocarpus reticulatus*	Blueberry Ash		151
Plantae	Flora	Elaeocarpaceae	ELAE	*Elaeocarpus spp.*			1
Plantae	Flora	Elaeocarpaceae	2576	*Sloanea australis*	Maiden's Blush		29
Plantae	Flora	Elaeocarpaceae	2577	*Sloanea woollsii*	Yellow Carabeen		82
Plantae	Flora	Elaeocarpaceae	6204	*Tetratheca ericifolia*			3
Plantae	Flora	Elaeocarpaceae	6214	*Tetratheca thymifolia*	Black-eyed Susan		38
Plantae	Flora	Elatinaceae	2579	*Elatine gratioloides*	Waterwort		2
Plantae	Flora	Ericaceae	11966	*Acrothamnus hookeri*			1
Plantae	Flora	Ericaceae	2580	*Acrotriche aggregata*	Red Cluster Heath		1
Plantae	Flora	Ericaceae	2581	*Acrotriche divaricata*			1
Plantae	Flora	Ericaceae	12005	*Agiortia cicatricata*			2
Plantae	Flora	Ericaceae	2584	*Astroloma humifusum*	Native Cranberry		3

Plantae	Flora	Ericaceae	2586	*Brachyloma daphnoides*	Daphne Heath			2
Plantae	Flora	Ericaceae	10690	*Brachyloma daphnoides subsp. glabrum*				1
Plantae	Flora	Ericaceae	10837	*Dracophyllum macranthum*		V,P		2
Plantae	Flora	Ericaceae	2591	*Epacris breviflora*				1
Plantae	Flora	Ericaceae	2592	*Epacris calvertiana*				1
Plantae	Flora	Ericaceae	7850	*Epacris calvertiana var. calvertiana*				3
Plantae	Flora	Ericaceae	2598	*Epacris longiflora*	Fuchsia Heath			13
Plantae	Flora	Ericaceae	2599	*Epacris microphylla*	Coral Heath			25
Plantae	Flora	Ericaceae	2602	*Epacris obtusifolia*	Blunt-leaf Heath			10
Plantae	Flora	Ericaceae	2605	*Epacris pulchella*	Wallum Heath			34
Plantae	Flora	Ericaceae	EPAC	*Epacris spp.*				2
Plantae	Flora	Ericaceae	2611	*Leucopogon appressus*				1
Plantae	Flora	Ericaceae	2612	*Leucopogon attenuatus*	A Beard-heath			1
Plantae	Flora	Ericaceae	2613	*Leucopogon biflorus*				1
Plantae	Flora	Ericaceae	2615	*Leucopogon deformis*				1
Plantae	Flora	Ericaceae	2616	*Leucopogon ericoides*	Pink Beard-heath			21
Plantae	Flora	Ericaceae	2617	*Leucopogon esquamatus*				6
Plantae	Flora	Ericaceae	2623	*Leucopogon juniperinus*	Prickly Beard-heath			113
Plantae	Flora	Ericaceae	2624	*Leucopogon lanceolatus*				49
Plantae	Flora	Ericaceae	12934	*Leucopogon lanceolatus subsp. group C*				1
Plantae	Flora	Ericaceae	12937	*Leucopogon lanceolatus subsp. group F*				1
Plantae	Flora	Ericaceae	6845	*Leucopogon lanceolatus var. gracilis*				14
Plantae	Flora	Ericaceae	6425	*Leucopogon lanceolatus var. lanceolatus*				30
Plantae	Flora	Ericaceae	2625	*Leucopogon leptospermoides*				5
Plantae	Flora	Ericaceae	2627	*Leucopogon margarodes*				3
Plantae	Flora	Ericaceae	2628	*Leucopogon melaleucoides*				1
Plantae	Flora	Ericaceae	2629	*Leucopogon microphyllus*				1
Plantae	Flora	Ericaceae	2631	*Leucopogon neoanglicus*				1
Plantae	Flora	Ericaceae	2632	*Leucopogon parviflorus*	Coastal Beard-heath			12
Plantae	Flora	Ericaceae	2636	*Leucopogon rodwayi*				1
Plantae	Flora	Ericaceae	LEUC	*Leucopogon spp.*	A Beard-heath			3
Plantae	Flora	Ericaceae	2639	*Leucopogon virgatus*				4
Plantae	Flora	Ericaceae	2642	*Lissanthe strigosa*	Peach Heath			3
Plantae	Flora	Ericaceae	2645	*Melichrus procumbens*	Jam Tarts			3
Plantae	Flora	Ericaceae	2647	*Monotoca elliptica*	Tree Broom-heath			18
Plantae	Flora	Ericaceae	2649	*Monotoca scoparia*				20
Plantae	Flora	Ericaceae	MONO	*Monotoca spp.*				2
Plantae	Flora	Ericaceae	2654	*Sprengelia incarnata*	Pink Swamp Heath	P		6
Plantae	Flora	Ericaceae	12948	*Sprengelia incarnata f. B*		P		1
Plantae	Flora	Ericaceae	2655	*Sprengelia sprengelioides*				6
Plantae	Flora	Ericaceae	9058	*Styphelia perileuca*	Montane Green Five-corners	V,P	V	K

Plantae	Flora	Ericaceae	2663	*Trochocarpa laurina*		Tree Heath			177	
Plantae	Flora	Ericaceae	12593	*Trochocarpa montana*					2	
Plantae	Flora	Eriocaulaceae	2668	*Eriocaulon australe*					4	
Plantae	Flora	Eriocaulaceae	2670	*Eriocaulon scariosum*					4	
Plantae	Flora	Escalloniaceae	3220	*Abrophyllum ornans*		Native Hydrangea			7	
Plantae	Flora	Escalloniaceae	3221	*Anopterus macleayanus*		Queensland Laurel			36	
Plantae	Flora	Escalloniaceae	3225	*Cuttsia viburnea*		Elderberry			57	
Plantae	Flora	Escalloniaceae	3227	*Polyosma cunninghamii*		Featherwood			60	
Plantae	Flora	Escalloniaceae	3228	*Quintinia sieberi*		Possumwood			28	
Plantae	Flora	Escalloniaceae	3229	*Quintinia verdonii*		Grey Possumwood			64	
Plantae	Flora	Euphorbiaceae	2674	*Acalypha nemorum*					3	
Plantae	Flora	Euphorbiaceae	8669	*Alchornea ilicifolia*		Native Holly			20	
Plantae	Flora	Euphorbiaceae	9359	*Aleurites moluccana*	*	Candle Nut			1	
Plantae	Flora	Euphorbiaceae	2677	*Amperea xiphoclada*					13	
Plantae	Flora	Euphorbiaceae	9713	*Amperea xiphoclada var. xiphoclada*					4	
Plantae	Flora	Euphorbiaceae	8400	*Baloghia inophylla*		Brush Bloodwood			59	
Plantae	Flora	Euphorbiaceae	7159	*Bertya brownii*					1	
Plantae	Flora	Euphorbiaceae	7735	*Bertya ingramii*		Narrow-leaved Bertya	E1,P	E	K	
Plantae	Flora	Euphorbiaceae	2691	*Beyeria lasiocarpa*					4	
Plantae	Flora	Euphorbiaceae	2694	*Beyeria viscosa*		Sticky Wallaby Bush			1	
Plantae	Flora	Euphorbiaceae	8560	*Chamaesyce drummondii*		Caustic Weed			1	
Plantae	Flora	Euphorbiaceae	9130	*Chamaesyce hirta*	*	Asthma Plant			1	
Plantae	Flora	Euphorbiaceae	8867	*Chamaesyce macgillivrayi*					1	
Plantae	Flora	Euphorbiaceae	9851	*Chamaesyce psammogeton*		Sand Spurge	E1,P		4	
Plantae	Flora	Euphorbiaceae	2698	*Claoxylon australe*		Brittlewood			68	
Plantae	Flora	Euphorbiaceae	2699	*Cleistanthus cunninghamii*		Cleistanthus			23	
Plantae	Flora	Euphorbiaceae	2703	*Croton insularis*		Silver Croton			6	
Plantae	Flora	Euphorbiaceae	2705	*Croton stigmatosus*		White Croton			3	
Plantae	Flora	Euphorbiaceae	2706	*Croton verreauxii*		Green Native Cascarilla			40	
Plantae	Flora	Euphorbiaceae	2721	*Euphorbia peplus*	*	Petty Spurge			6	
Plantae	Flora	Euphorbiaceae	2726	*Euphorbia tannensis*					1	
Plantae	Flora	Euphorbiaceae	7288	*Excoecaria agallocha*		Milky Mangrove			5	
Plantae	Flora	Euphorbiaceae	11947	*Homalanthus populifolius*					39	
Plantae	Flora	Euphorbiaceae	13994	*Homalanthus stillingiifolius*					4	
Plantae	Flora	Euphorbiaceae	2733	*Mallotus claoxyloides*					3	
Plantae	Flora	Euphorbiaceae	2735	*Mallotus philippensis*		Red Kamala			25	

Plantae	Flora	Euphorbiaceae	2756	*Pseudanthus orientalis*				7	
Plantae	Flora	Euphorbiaceae	12972	*Pseudanthus pauciflorus subsp. pauciflorus*				1	
Plantae	Flora	Euphorbiaceae	2759	*Ricinocarpos pinifolius*		Wedding Bush		8	
Plantae	Flora	Euphorbiaceae	2761	*Ricinus communis*	*	Castor Oil Plant		18	
Plantae	Flora	Euphorbiaceae	11199	*Triadica sebifera*	*	Chinese Tallowood		1	
Plantae	Flora	Eupomatiaceae	2768	*Eupomatia laurina*		Bolwarra		149	
Plantae	Flora	Fabaceae (Caesalpinioideae)	1878	*Caesalpinia decapetala*	*	Thorny Poinciana		2	
Plantae	Flora	Fabaceae (Caesalpinioideae)	10820	*Chamaecrista maritima*				2	
Plantae	Flora	Fabaceae (Caesalpinioideae)	10821	*Chamaecrista nomame var. nomame*				7	
Plantae	Flora	Fabaceae (Caesalpinioideae)	8772	*Senna acclinis*		Rainforest Cassia	E1,P	11	
Plantae	Flora	Fabaceae (Caesalpinioideae)	14602	*Senna barronfieldii*				2	
Plantae	Flora	Fabaceae (Caesalpinioideae)	6991	*Senna clavigera*				3	
Plantae	Flora	Fabaceae (Caesalpinioideae)	7377	*Senna pendula var. glabrata*	*			94	
Plantae	Flora	Fabaceae (Caesalpinioideae)	10505	*Senna septemtrionalis*	*	Arsenic Bush		39	
Plantae	Flora	Fabaceae (Caesalpinioideae)	SENN	*Senna spp.*	*			5	
Plantae	Flora	Fabaceae (Faboideae)	2770	*Aotus ericoides*				5	
Plantae	Flora	Fabaceae (Faboideae)	2771	*Aotus lanigera*				5	
Plantae	Flora	Fabaceae (Faboideae)	2773	*Aotus subglauca*				3	
Plantae	Flora	Fabaceae (Faboideae)	10818	*Austrosteenisia blackii var. blackii*		Blood Vine		18	
Plantae	Flora	Fabaceae (Faboideae)	2780	*Bossiaea heterophylla*		Variable Bossiaea		7	
Plantae	Flora	Fabaceae (Faboideae)	2783	*Bossiaea neo-anglica*				9	
Plantae	Flora	Fabaceae (Faboideae)	2787	*Bossiaea rhombifolia*				2	
Plantae	Flora	Fabaceae (Faboideae)	2790	*Bossiaea scortechinii*				4	
Plantae	Flora	Fabaceae (Faboideae)	2791	*Bossiaea stephensonii*				6	
Plantae	Flora	Fabaceae (Faboideae)	10991	*Callerya australis*		Native Wisteria		19	
Plantae	Flora	Fabaceae (Faboideae)	7248	*Canavalia rosea*		Coastal Jack Bean		3	
Plantae	Flora	Fabaceae (Faboideae)	2797	*Chorizema parviflorum*		Eastern Flame Pea		15	
Plantae	Flora	Fabaceae (Faboideae)	11068	*Crotalaria brevis*				2	
Plantae	Flora	Fabaceae (Faboideae)	9356	*Crotalaria lanceolata subsp. lanceolata*	*			6	

Plantae	Flora	Fabaceae (Faboideae)	12173	*Crotalaria medicaginea var. neglecta*		Trefoil Rattlepod	1
Plantae	Flora	Fabaceae (Faboideae)	2807	*Crotalaria mitchellii*		Yellow Rattlepod	1
Plantae	Flora	Fabaceae (Faboideae)	6664	*Crotalaria mitchellii subsp. mitchellii*			2
Plantae	Flora	Fabaceae (Faboideae)	12986	*Crotalaria virgulata subsp. grantiana*	*		1
Plantae	Flora	Fabaceae (Faboideae)	2817	*Daviesia arborea*			13
Plantae	Flora	Fabaceae (Faboideae)	2821	*Daviesia corymbosa*			1
Plantae	Flora	Fabaceae (Faboideae)	2822	*Daviesia genistifolia*		Broom Bitter Pea	42
Plantae	Flora	Fabaceae (Faboideae)	2823	*Daviesia latifolia*		Bitter-pea	2
Plantae	Flora	Fabaceae (Faboideae)	8774	*Daviesia nova-anglica*			9
Plantae	Flora	Fabaceae (Faboideae)	2826	*Daviesia squarrosa*			11
Plantae	Flora	Fabaceae (Faboideae)	2827	*Daviesia ulicifolia*		Gorse Bitter Pea	34
Plantae	Flora	Fabaceae (Faboideae)	10830	*Daviesia ulicifolia subsp. stenophylla*			4
Plantae	Flora	Fabaceae (Faboideae)	10831	*Daviesia ulicifolia subsp. ulicifolia*			5
Plantae	Flora	Fabaceae (Faboideae)	2828	*Daviesia umbellulata*			22
Plantae	Flora	Fabaceae (Faboideae)	2832	*Derris involuta*			9
Plantae	Flora	Fabaceae (Faboideae)	2834	*Desmodium brachypodum*		Large Tick-trefoil	31
Plantae	Flora	Fabaceae (Faboideae)	6621	*Desmodium gunnii*		Slender Tick-trefoil	33
Plantae	Flora	Fabaceae (Faboideae)	8764	*Desmodium heterocarpon var. heterocarpon*			2
Plantae	Flora	Fabaceae (Faboideae)	2838	*Desmodium nemorosum*			24
Plantae	Flora	Fabaceae (Faboideae)	2839	*Desmodium rhytidophyllum*			117
Plantae	Flora	Fabaceae (Faboideae)	8824	*Desmodium uncinatum*	*	Silver-leaved Desmodium	1
Plantae	Flora	Fabaceae (Faboideae)	2840	*Desmodium varians*		Slender Tick-trefoil	99
Plantae	Flora	Fabaceae (Faboideae)	2843	*Dillwynia floribunda*			3
Plantae	Flora	Fabaceae (Faboideae)	7225	*Dillwynia phylicoides*		Parrot-pea	1
Plantae	Flora	Fabaceae (Faboideae)	2850	*Dillwynia retorta*			22
Plantae	Flora	Fabaceae (Faboideae)	DILL	*Dillwynia spp.*			2
Plantae	Flora	Fabaceae (Faboideae)	2854	*Dipogon lignosus*	*	Dolichos Pea	1
Plantae	Flora	Fabaceae (Faboideae)	9357	*Erythrina crista-galli*	*	Cockspur Coral Tree	2
Plantae	Flora	Fabaceae (Faboideae)	8689	*Erythrina x sykesii*	*	Coral tree	10
Plantae	Flora	Fabaceae (Faboideae)	FABAC	*Fabaceae indeterminate*	*	Legumes	1
Plantae	Flora	Fabaceae (Faboideae)	12264	*Galactia tenuiflora var. villosa*			1
Plantae	Flora	Fabaceae (Faboideae)	2858	*Genista monspessulana*	*	Montpellier Broom	1
Plantae	Flora	Fabaceae (Faboideae)	2860	*Glycine clandestina*		Twining glycine	163

Plantae	Flora	Fabaceae (Faboideae)	8522	*Glycine latifolia*			1
Plantae	Flora	Fabaceae (Faboideae)	7208	*Glycine microphylla*		Small-leaf Glycine	78
Plantae	Flora	Fabaceae (Faboideae)	GLYC	*Glycine spp.*			10
Plantae	Flora	Fabaceae (Faboideae)	2861	*Glycine tabacina*		Variable Glycine	35
Plantae	Flora	Fabaceae (Faboideae)	7844	*Glycine tomentella*		Woolly Glycine	7
Plantae	Flora	Fabaceae (Faboideae)	13008	*Gompholobium aspalathoides*			1
Plantae	Flora	Fabaceae (Faboideae)	2864	*Gompholobium glabratum*		Dainty Wedge Pea	2
Plantae	Flora	Fabaceae (Faboideae)	2866	*Gompholobium latifolium*		Golden Glory Pea	7
Plantae	Flora	Fabaceae (Faboideae)	2868	*Gompholobium pinnatum*		Pinnate Wedge Pea	25
Plantae	Flora	Fabaceae (Faboideae)	GOMP	*Gompholobium spp.*			1
Plantae	Flora	Fabaceae (Faboideae)	2869	*Gompholobium uncinatum*		Red Wedge Pea	1
Plantae	Flora	Fabaceae (Faboideae)	2870	*Gompholobium virgatum*		Leafy Wedge Pea	5
Plantae	Flora	Fabaceae (Faboideae)	2871	*Goodia lotifolia*			16
Plantae	Flora	Fabaceae (Faboideae)	2873	*Hardenbergia violacea*		False Sarsaparilla	183
Plantae	Flora	Fabaceae (Faboideae)	2874	*Hovea acutifolia*			7
Plantae	Flora	Fabaceae (Faboideae)	11015	*Hovea heterophylla*			5
Plantae	Flora	Fabaceae (Faboideae)	2876	*Hovea linearis*			6
Plantae	Flora	Fabaceae (Faboideae)	2877	*Hovea longifolia*		Rusty Pods	4
Plantae	Flora	Fabaceae (Faboideae)	11014	*Hovea pedunculata*			6
Plantae	Flora	Fabaceae (Faboideae)	2880	*Hovea purpurea*			3
Plantae	Flora	Fabaceae (Faboideae)	13013	*Hovea similis*			4
Plantae	Flora	Fabaceae (Faboideae)	HOVE	*Hovea spp.*			2
Plantae	Flora	Fabaceae (Faboideae)	2882	*Indigofera australis*		Australian Indigo	49
Plantae	Flora	Fabaceae (Faboideae)	INDI	*Indigofera spp.*	*		1
Plantae	Flora	Fabaceae (Faboideae)	2892	*Jacksonia scoparia*		Dogwood	59
Plantae	Flora	Fabaceae (Faboideae)	7729	*Jacksonia sternbergiana*			1
Plantae	Flora	Fabaceae (Faboideae)	2898	*Kennedia rubicunda*		Dusky Coral Pea	141
Plantae	Flora	Fabaceae (Faboideae)	8690	*Lespedeza juncea subsp. sericea*			4
Plantae	Flora	Fabaceae (Faboideae)	7349	*Lespedeza striata*	*	Japanese Clover	2
Plantae	Flora	Fabaceae (Faboideae)	2907	*Lotus corniculatus*	*	Birds-foot Trefoil	1
Plantae	Flora	Fabaceae (Faboideae)	6550	*Macroptilium atropurpureum*	*	Siratro	1
Plantae	Flora	Fabaceae (Faboideae)	2919	*Medicago lupulina*	*	Black Medic	1
Plantae	Flora	Fabaceae (Faboideae)	2922	*Medicago polymorpha*	*	Burr Medic	2
Plantae	Flora	Fabaceae (Faboideae)	2924	*Medicago sativa*	*	Lucerne	1

Plantae	Flora	Fabaceae (Faboideae)	2930	*Melilotus officinalis*	*	Common Melilot		1	
Plantae	Flora	Fabaceae (Faboideae)	2938	*Mirbelia rubiifolia*		Heathy Mirbelia		11	
Plantae	Flora	Fabaceae (Faboideae)	2948	*Oxylobium arborescens*		Tall Shaggy Pea		5	
Plantae	Flora	Fabaceae (Faboideae)	2954	*Oxylobium robustum*		Tree Shaggy Pea		15	
Plantae	Flora	Fabaceae (Faboideae)	2958	*Phyllota phylicoides*		Heath Phyllota		11	
Plantae	Flora	Fabaceae (Faboideae)	2961	*Platylobium formosum*				43	
Plantae	Flora	Fabaceae (Faboideae)	9354	*Platylobium formosum subsp. formosum*				1	
Plantae	Flora	Fabaceae (Faboideae)	10705	*Podolobium aciculiferum*		Needle Shaggy Pea		3	
Plantae	Flora	Fabaceae (Faboideae)	9913	*Podolobium aestivum*				1	
Plantae	Flora	Fabaceae (Faboideae)	9912	*Podolobium ilicifolium*		Prickly Shaggy Pea		63	
Plantae	Flora	Fabaceae (Faboideae)	10708	*Podolobium scandens*		Netted Shaggy Pea		4	
Plantae	Flora	Fabaceae (Faboideae)	2972	*Pueraria lobata*	*	Kudzu		1	
Plantae	Flora	Fabaceae (Faboideae)	2986	*Pultenaea dentata*				4	
Plantae	Flora	Fabaceae (Faboideae)	2993	*Pultenaea flexilis*				1	
Plantae	Flora	Fabaceae (Faboideae)	2994	*Pultenaea foliolosa*		A Bush Pea		1	
Plantae	Flora	Fabaceae (Faboideae)	11644	*Pultenaea maritima*		Coast Headland Pea	V,P	P	
Plantae	Flora	Fabaceae (Faboideae)	3003	*Pultenaea microphylla*		A Bush Pea		1	
Plantae	Flora	Fabaceae (Faboideae)	3004	*Pultenaea myrtoides*				11	
Plantae	Flora	Fabaceae (Faboideae)	3009	*Pultenaea petiolaris*				3	
Plantae	Flora	Fabaceae (Faboideae)	3013	*Pultenaea pycnocephala*				1	
Plantae	Flora	Fabaceae (Faboideae)	3014	*Pultenaea retusa*				89	
Plantae	Flora	Fabaceae (Faboideae)	12204	*Pultenaea rostrata*				1	
Plantae	Flora	Fabaceae (Faboideae)	3017	*Pultenaea spinosa*		A Bush Pea		2	
Plantae	Flora	Fabaceae (Faboideae)	PULT	*Pultenaea spp.*				5	
Plantae	Flora	Fabaceae (Faboideae)	3023	*Pultenaea villosa*		Hairy Bush-pea		34	
Plantae	Flora	Fabaceae (Faboideae)	3028	*Robinia pseudoacacia*	*	Black Locust		1	
Plantae	Flora	Fabaceae (Faboideae)	7462	*Sesbania cannabina var. cannabina*		Sesbania Pea		1	
Plantae	Flora	Fabaceae (Faboideae)	3032	*Sophora tomentosa*		Silverbush	E1,P	8	
Plantae	Flora	Fabaceae (Faboideae)	9223	*Sphaerolobium minus*				1	
Plantae	Flora	Fabaceae (Faboideae)	3033	*Sphaerolobium vimineum*				4	
Plantae	Flora	Fabaceae (Faboideae)	3035	*Swainsona brachycarpa*		Slender Swainson-pea		2	
Plantae	Flora	Fabaceae (Faboideae)	3040	*Swainsona fraseri*				3	
Plantae	Flora	Fabaceae (Faboideae)	3041	*Swainsona galegifolia*		Smooth Darling Pea		5	

Plantae	Flora	Fabaceae (Faboideae)	3066	*Tephrosia glomeruliflora*	*		3
Plantae	Flora	Fabaceae (Faboideae)	3067	*Tephrosia grandiflora*	*		3
Plantae	Flora	Fabaceae (Faboideae)	3073	*Trifolium arvense*	*	Haresfoot Clover	2
Plantae	Flora	Fabaceae (Faboideae)	3074	*Trifolium campestre*	*	Hop Clover	1
Plantae	Flora	Fabaceae (Faboideae)	3076	*Trifolium dubium*	*	Yellow Suckling Clover	2
Plantae	Flora	Fabaceae (Faboideae)	3084	*Trifolium pratense*	*	Red Clover	2
Plantae	Flora	Fabaceae (Faboideae)	3085	*Trifolium repens*	*	White Clover	72
Plantae	Flora	Fabaceae (Faboideae)	TRIF	*Trifolium spp.*	*	A Clover	2
Plantae	Flora	Fabaceae (Faboideae)	3091	*Trifolium tomentosum*	*	Woolly Clover	1
Plantae	Flora	Fabaceae (Faboideae)	3097	*Vicia sativa*	*	Common vetch	1
Plantae	Flora	Fabaceae (Faboideae)	11703	*Vicia sativa subsp. nigra*	*	Narrow-leaved Vetch	5
Plantae	Flora	Fabaceae (Faboideae)	8794	*Vicia sativa subsp. sativa*	*	Common Vetch	3
Plantae	Flora	Fabaceae (Faboideae)	3100	*Vigna lanceolata*		Maloga Pea	1
Plantae	Flora	Fabaceae (Faboideae)	8904	*Vigna lanceolata var. lanceolata*			1
Plantae	Flora	Fabaceae (Faboideae)	3102	*Vigna marina*		Dune Bean	4
Plantae	Flora	Fabaceae (Faboideae)	10065	*Vigna vexillata var. angustifolia*		Wild Cow Pea	3
Plantae	Flora	Fabaceae (Faboideae)	11189	*Vigna vexillata var. youngiana*			1
Plantae	Flora	Fabaceae (Faboideae)	3105	*Viminaria juncea*		Native Broom	12
Plantae	Flora	Fabaceae (Faboideae)	11332	*Wisteria sinensis*	*	Chinese wisteria	1
Plantae	Flora	Fabaceae (Faboideae)	8691	*Zornia dyctiocarpa var. dyctiocarpa*		Zornia	2
Plantae	Flora	Fabaceae (Mimosoideae)	3710	*Acacia baileyana*		Cootamundra Wattle	1
Plantae	Flora	Fabaceae (Mimosoideae)	3712	*Acacia barringtonensis*			5
Plantae	Flora	Fabaceae (Mimosoideae)	7060	*Acacia baueri subsp. baueri*		Tiny Wattle	1
Plantae	Flora	Fabaceae (Mimosoideae)	3716	*Acacia binervata*		Two-veined Hickory	74
Plantae	Flora	Fabaceae (Mimosoideae)	3717	*Acacia binervia*		Coast Myall	6
Plantae	Flora	Fabaceae (Mimosoideae)	10788	*Acacia blakei subsp. diphylla*			4
Plantae	Flora	Fabaceae (Mimosoideae)	3723	*Acacia brownii*		Heath Wattle	5
Plantae	Flora	Fabaceae (Mimosoideae)	3742	*Acacia cognata*		Narrow-leaf Bower Wattle	1
Plantae	Flora	Fabaceae (Mimosoideae)	3745	*Acacia concurrens*		Curracabah	5

Plantae	Flora	Fabaceae (Mimosoideae)	3750	*Acacia costiniana*				2	
Plantae	Flora	Fabaceae (Mimosoideae)	555	*Acacia courtii*	North Brother Wattle	V,P	V	34	
Plantae	Flora	Fabaceae (Mimosoideae)	3768	*Acacia elata*	Mountain Cedar Wattle			53	
Plantae	Flora	Fabaceae (Mimosoideae)	3769	*Acacia elongata*	Swamp Wattle			35	
Plantae	Flora	Fabaceae (Mimosoideae)	3771	*Acacia falcata*				55	
Plantae	Flora	Fabaceae (Mimosoideae)	3772	*Acacia falciformis*	Broad-leaved Hickory			6	
Plantae	Flora	Fabaceae (Mimosoideae)	3773	*Acacia filicifolia*	Fern-leaved Wattle			1	
Plantae	Flora	Fabaceae (Mimosoideae)	3774	*Acacia fimbriata*	Fringed Wattle			39	
Plantae	Flora	Fabaceae (Mimosoideae)	3777	*Acacia floribunda*	White Sally			164	
Plantae	Flora	Fabaceae (Mimosoideae)	3792	*Acacia implexa*	Hickory Wattle			78	
Plantae	Flora	Fabaceae (Mimosoideae)	3794	*Acacia irrorata*	Green Wattle			48	
Plantae	Flora	Fabaceae (Mimosoideae)	6472	*Acacia irrorata subsp. irrorata*	Green Wattle			21	
Plantae	Flora	Fabaceae (Mimosoideae)	3814	*Acacia linifolia*	White Wattle			7	
Plantae	Flora	Fabaceae (Mimosoideae)	3816	*Acacia longifolia*				62	
Plantae	Flora	Fabaceae (Mimosoideae)	10790	*Acacia longifolia subsp. longifolia*	Sydney Golden Wattle			48	
Plantae	Flora	Fabaceae (Mimosoideae)	10791	*Acacia longifolia subsp. sophorae*	Coastal Wattle			37	
Plantae	Flora	Fabaceae (Mimosoideae)	3817	*Acacia longissima*	Long-leaf Wattle			42	
Plantae	Flora	Fabaceae (Mimosoideae)	3821	*Acacia maidenii*	Maiden's Wattle			136	
Plantae	Flora	Fabaceae (Mimosoideae)	3824	*Acacia melanoxylon*	Blackwood			169	
Plantae	Flora	Fabaceae (Mimosoideae)	3827	*Acacia mitchellii*	Mitchell's Wattle			1	
Plantae	Flora	Fabaceae (Mimosoideae)	3834	*Acacia myrtifolia*	Red-stemmed Wattle			39	
Plantae	Flora	Fabaceae (Mimosoideae)	11005	*Acacia nova-anglica*	New England Hickory			3	

Plantae	Flora	Fabaceae (Mimosoideae)	13095	*Acacia obcordata*			1
Plantae	Flora	Fabaceae (Mimosoideae)	3839	*Acacia obtusifolia*			29
Plantae	Flora	Fabaceae (Mimosoideae)	3842	*Acacia oshanesii*			1
Plantae	Flora	Fabaceae (Mimosoideae)	3853	*Acacia podalyriifolia*		Queensland Silver Wattle	2
Plantae	Flora	Fabaceae (Mimosoideae)	3873	*Acacia saligna*	*	Golden Wreath Wattle	3
Plantae	Flora	Fabaceae (Mimosoideae)	ACAC	*Acacia spp.*		Wattle	13
Plantae	Flora	Fabaceae (Mimosoideae)	3880	*Acacia stricta*		Straight Wattle	3
Plantae	Flora	Fabaceae (Mimosoideae)	3881	*Acacia suaveolens*		Sweet Wattle	20
Plantae	Flora	Fabaceae (Mimosoideae)	3885	*Acacia terminalis*		Sunshine Wattle	2
Plantae	Flora	Fabaceae (Mimosoideae)	9984	*Acacia terminalis subsp. longiaxialis*			1
Plantae	Flora	Fabaceae (Mimosoideae)	8766	*Acacia tessellata*			32
Plantae	Flora	Fabaceae (Mimosoideae)	3893	*Acacia ulicifolia*		Prickly Moses	56
Plantae	Flora	Fabaceae (Mimosoideae)	3899	*Acacia viscidula*		Sticky Wattle	2
Plantae	Flora	Fabaceae (Mimosoideae)	7894	*Archidendron grandiflorum*		Pink Lace Flower	13
Plantae	Flora	Fabaceae (Mimosoideae)	7758	*Leucaena leucocephala*	*		1
Plantae	Flora	Fabaceae (Mimosoideae)	8840	*Pararchidendron pruinosum var. pruinosum*		Snow Wood	13
Plantae	Flora	Fabaceae (Mimosoideae)	12157	*Vachellia farnesiana*		Mimosa Bush	1
Plantae	Flora	Fagaceae	14702	*Platylobium parviflorum*		Small-flowered Flat-pea	8
Plantae	Flora	Flacourtiaceae	8440	*Berberidopsis beckleri*			10
Plantae	Flora	Flacourtiaceae	3110	*Scolopia braunii*		Flintwood	39
Plantae	Flora	Flacourtiaceae	3112	*Streptothamnus moorei*			1
Plantae	Flora	Flagellariaceae	7106	*Flagellaria indica*		Whip Vine	35
Plantae	Flora	Fumariaceae	9367	*Fumaria muralis subsp. muralis*	*	Wall Fumitory	1
Plantae	Flora	Gentianaceae	3131	*Centaurium erythraea*	*	Common Centaury	10
Plantae	Flora	Gentianaceae	3133	*Centaurium tenuiflorum*	*	Branched Centaury, Slender centaury	1
Plantae	Flora	Gentianaceae	13834	*Schenkia spicata*		Spike Centaury	8
Plantae	Flora	Geraniaceae	3148	*Geranium homeanum*			29

Plantae	Flora	Geraniaceae	10093	*Geranium molle subsp. molle*	*	Cranesbill Geranium		1
Plantae	Flora	Geraniaceae	3150	*Geranium neglectum*				2
Plantae	Flora	Geraniaceae	3152	*Geranium potentilloides*				1
Plantae	Flora	Geraniaceae	3156	*Geranium solanderi*		Native Geranium		13
Plantae	Flora	Geraniaceae	8226	*Geranium solanderi var. solanderi*				10
Plantae	Flora	Geraniaceae	13118	*Geranium sp. C*				1
Plantae	Flora	Geraniaceae	GERA	*Geranium spp.*	*			4
Plantae	Flora	Gesneriaceae	3163	*Fieldia australis*				14
Plantae	Flora	Gleicheniaceae	7138	*Gleichenia dicarpa*		Pouched Coral Fern		48
Plantae	Flora	Gleicheniaceae	11175	*Sticherus flabellatus var. flabellatus*		Umbrella Fern	P	10
Plantae	Flora	Gleicheniaceae	7035	*Sticherus lobatus*		Spreading Shield Fern		32
Plantae	Flora	Goodeniaceae	3167	*Coopernookia chisholmii*				22
Plantae	Flora	Goodeniaceae	9745	*Dampiera lanceolata var. lanceolata*				2
Plantae	Flora	Goodeniaceae	3172	*Dampiera purpurea*				14
Plantae	Flora	Goodeniaceae	3174	*Dampiera stricta*				39
Plantae	Flora	Goodeniaceae	6658	*Dampiera sylvestris*				32
Plantae	Flora	Goodeniaceae	3175	*Goodenia bellidifolia*				18
Plantae	Flora	Goodeniaceae	9078	*Goodenia bellidifolia subsp. argentea*				6
Plantae	Flora	Goodeniaceae	8711	*Goodenia bellidifolia subsp. bellidifolia*				7
Plantae	Flora	Goodeniaceae	8593	*Goodenia fordiana*				35
Plantae	Flora	Goodeniaceae	3186	*Goodenia grandiflora*		Large-flowered Goodenia		2
Plantae	Flora	Goodeniaceae	3188	*Goodenia hederacea*		Ivy Goodenia		43
Plantae	Flora	Goodeniaceae	9279	*Goodenia hederacea subsp. hederacea*				8
Plantae	Flora	Goodeniaceae	3190	*Goodenia heterophylla*				2
Plantae	Flora	Goodeniaceae	8755	*Goodenia heterophylla subsp. eglandulosa*				4
Plantae	Flora	Goodeniaceae	13124	*Goodenia lancifolia*				4
Plantae	Flora	Goodeniaceae	3192	*Goodenia ovata*		Hop Goodenia		25
Plantae	Flora	Goodeniaceae	7057	*Goodenia paniculata*				20
Plantae	Flora	Goodeniaceae	3196	*Goodenia rotundifolia*				2
Plantae	Flora	Goodeniaceae	GOOD	*Goodenia spp.*				5
Plantae	Flora	Goodeniaceae	3197	*Goodenia stelligera*		Spiked Goodenia		7
Plantae	Flora	Goodeniaceae	3201	*Scaevola aemula*		Fairy Fan-flower		8
Plantae	Flora	Goodeniaceae	3203	*Scaevola calendulacea*				1
Plantae	Flora	Goodeniaceae	3205	*Scaevola hookeri*				2
Plantae	Flora	Goodeniaceae	3208	*Scaevola ramosissima*		Purple Fan-flower		2
Plantae	Flora	Goodeniaceae	3219	*Velleia spathulata*				8

Plantae	Flora	Grammitidaceae	10518	*Grammitis billardierei*		Finger Fern			5	
Plantae	Flora	Grammitidaceae	GRAM	*Grammitis spp.*					3	
Plantae	Flora	Gyrostemonaceae	3231	*Codonocarpus attenuatus*		Bell-fruit Tree			6	
Plantae	Flora	Haemodoraceae	ANIG	*Anigozanthos spp.*	*				1	
Plantae	Flora	Haemodoraceae	6435	*Haemodorum corymbosum*					4	
Plantae	Flora	Haloragaceae	9266	*Gonocarpus chinensis subsp. verrucosus*					2	
Plantae	Flora	Haloragaceae	3241	*Gonocarpus humilis*					12	
Plantae	Flora	Haloragaceae	3243	*Gonocarpus micranthus*					16	
Plantae	Flora	Haloragaceae	8649	*Gonocarpus micranthus subsp. micranthus*					6	
Plantae	Flora	Haloragaceae	8648	*Gonocarpus micranthus subsp. ramosissimus*					19	
Plantae	Flora	Haloragaceae	3245	*Gonocarpus oreophilus*					23	
Plantae	Flora	Haloragaceae	3246	*Gonocarpus salsoloides*					5	
Plantae	Flora	Haloragaceae	GONO	*Gonocarpus spp.*		Raspwort			1	
Plantae	Flora	Haloragaceae	3247	*Gonocarpus tetragynus*		Poverty Raspwort			32	
Plantae	Flora	Haloragaceae	3248	*Gonocarpus teucrioides*		Germander Raspwort			66	
Plantae	Flora	Haloragaceae	3250	*Haloragis exalata*					1	
Plantae	Flora	Haloragaceae	9512	*Haloragis exalata subsp. exalata*		Square Raspwort	V,P	V	K	
Plantae	Flora	Haloragaceae	9172	*Haloragis exalata subsp. velutina*		Tall Velvet Sea-berry	V,P	V	1	
Plantae	Flora	Haloragaceae	3252	*Haloragis heterophylla*		Variable Raspwort			1	
Plantae	Flora	Haloragaceae	3259	*Myriophyllum aquaticum*	*	Parrots Feather			3	
Plantae	Flora	Haloragaceae	MYRI	*Myriophyllum spp.*					3	
Plantae	Flora	Haloragaceae	6546	*Myriophyllum verrucosum*		Red Water-milfoil			2	
Plantae	Flora	Hamamelidaceae	11353	*Liquidambar styraciflua*	*	Sweetgum			1	
Plantae	Flora	Hydrocharitaceae	3271	*Halophila ovalis*					1	
Plantae	Flora	Hydrocharitaceae	6772	*Hydrilla verticillata*		Hydrilla			4	
Plantae	Flora	Hydrocharitaceae	3272	*Hydrocharis dubia*		Frogbit			P	
Plantae	Flora	Hydrocharitaceae	10855	*Ottelia ovalifolia subsp. ovalifolia*		Swamp Lily			12	
Plantae	Flora	Hydrocharitaceae	14246	*Vallisneria australis*		Eelweed			2	
Plantae	Flora	Hymenophyllaceae	12034	*Cephalomanes caudatum*		Jungle Bristle Fern			5	
Plantae	Flora	Hymenophyllaceae	12520	*Crepidomanes venosum*					5	
Plantae	Flora	Hymenophyllaceae	8104	*Hymenophyllum australe*					1	
Plantae	Flora	Hymenophyllaceae	8106	*Hymenophyllum bivalve*					1	
Plantae	Flora	Hymenophyllaceae	8107	*Hymenophyllum cupressiforme*		Common Filmy Fern			6	
Plantae	Flora	Hymenophyllaceae	8109	*Hymenophyllum marginatum*		Bordered Filmy Fern			1	
Plantae	Flora	Hypoxidaceae	3553	*Hypoxis hygrometrica*		Golden Weather-grass			10	
Plantae	Flora	Hypoxidaceae	7859	*Hypoxis pratensis var. pratensis*					1	

Plantae	Flora	Hypoxidaceae	HYPO	*Hypoxis spp.*				1	
Plantae	Flora	Iridaceae	GLAD	*Gladiolus spp.*	*			1	
Plantae	Flora	Iridaceae	3289	*Gladiolus undulatus*	*	Wild Gladiolus		1	
Plantae	Flora	Iridaceae	9767	*Herbertia lahue subsp. caerulea*	*			1	
Plantae	Flora	Iridaceae	3298	*Libertia paniculata*		Branching Grass-flag		5	
Plantae	Flora	Iridaceae	3299	*Libertia pulchella*				1	
Plantae	Flora	Iridaceae	3300	*Patersonia fragilis*		Swamp Iris		13	
Plantae	Flora	Iridaceae	3301	*Patersonia glabrata*		Leafy Purple-flag		42	
Plantae	Flora	Iridaceae	3303	*Patersonia sericea*		Silky Purple-Flag		35	
Plantae	Flora	Iridaceae	PATE	*Patersonia spp.*				3	
Plantae	Flora	Iridaceae	8957	*Sisyrinchium sp. A*	*	Scourweed		1	
Plantae	Flora	Juncaceae	3311	*Juncus acuminatus*	*			5	
Plantae	Flora	Juncaceae	3316	*Juncus articulatus*	*	A Rush		1	
Plantae	Flora	Juncaceae	3325	*Juncus cognatus*	*			8	
Plantae	Flora	Juncaceae	3326	*Juncus continuus*				34	
Plantae	Flora	Juncaceae	8632	*Juncus continuus x usitatus*				1	
Plantae	Flora	Juncaceae	3334	*Juncus imbricatus*	*			1	
Plantae	Flora	Juncaceae	7430	*Juncus kraussii subsp. australiensis*		Sea Rush		29	
Plantae	Flora	Juncaceae	8780	*Juncus laeviusculus subsp. laeviusculus*				1	
Plantae	Flora	Juncaceae	8998	*Juncus mollis*				18	
Plantae	Flora	Juncaceae	3338	*Juncus pallidus*				4	
Plantae	Flora	Juncaceae	3340	*Juncus planifolius*				12	
Plantae	Flora	Juncaceae	3341	*Juncus polyanthemus*				9	
Plantae	Flora	Juncaceae	3342	*Juncus prismatocarpus*				46	
Plantae	Flora	Juncaceae	JUNC	*Juncus spp.*		A Rush		11	
Plantae	Flora	Juncaceae	3348	*Juncus subsecundus*		Finger Rush		2	
Plantae	Flora	Juncaceae	3350	*Juncus usitatus*				74	
Plantae	Flora	Juncaceae	3351	*Juncus vaginatus*				1	
Plantae	Flora	Juncaceae	3357	*Luzula flaccida*		Woodrush		1	
Plantae	Flora	Juncaginaceae	3363	*Maundia triglochinoides*			V,P	10	
Plantae	Flora	Juncaginaceae	9253	*Triglochin microtuberosa*				1	
Plantae	Flora	Juncaginaceae	9231	*Triglochin multifructa*				2	
Plantae	Flora	Juncaginaceae	3368	*Triglochin procera*		Water Ribbons		15	
Plantae	Flora	Juncaginaceae	TRIG	*Triglochin spp.*				3	
Plantae	Flora	Juncaginaceae	3369	*Triglochin striata*		Streaked Arrowgrass		10	
Plantae	Flora	Lamiaceae	3371	*Ajuga australis*		Austral Bugle		8	
Plantae	Flora	Lamiaceae	6240	*Callicarpa pedunculata*		Velvet Leaf		1	
Plantae	Flora	Lamiaceae	12201	*Clerodendrum floribundum var. floribundum*				9	
Plantae	Flora	Lamiaceae	CLER	*Clerodendrum spp.*				1	
Plantae	Flora	Lamiaceae	6484	*Clerodendrum tomentosum*		Hairy Clerodendrum		60	
Plantae	Flora	Lamiaceae	6247	*Gmelina leichhardtii*		White Beech		30	
Plantae	Flora	Lamiaceae	12158	*Leonurus japonicus*	*			2	
Plantae	Flora	Lamiaceae	3384	*Mentha diemenica*		Slender Mint		1	
Plantae	Flora	Lamiaceae	3387	*Mentha satureioides*		Native Pennyroyal		1	
Plantae	Flora	Lamiaceae	MENT	*Mentha spp.*	*			1	
Plantae	Flora	Lamiaceae	3393	*Plectranthus argentatus*				2	
Plantae	Flora	Lamiaceae	9050	*Plectranthus cremnus*				6	
Plantae	Flora	Lamiaceae	3396	*Plectranthus graveolens*				11	
Plantae	Flora	Lamiaceae	3397	*Plectranthus parviflorus*				56	
Plantae	Flora	Lamiaceae	PLEC	*Plectranthus spp.*				1	

Plantae	Flora	Lamiaceae	3398	*Plectranthus suaveolens*				1	
Plantae	Flora	Lamiaceae	3400	*Prostanthera caerulea*				2	
Plantae	Flora	Lamiaceae	3401	*Prostanthera cineolifera*		Singleton Mint Bush	V,P V	K	
Plantae	Flora	Lamiaceae	3411	*Prostanthera howelliae*		Prostanthera		1	
Plantae	Flora	Lamiaceae	3413	*Prostanthera incisa*		Cut-leaved Mint-bush		17	
Plantae	Flora	Lamiaceae	3415	*Prostanthera lasianthos*		Victorian Christmas Bush		8	
Plantae	Flora	Lamiaceae	3417	*Prostanthera linearis*		Narrow-leaved Mint-bush		2	
Plantae	Flora	Lamiaceae	3421	*Prostanthera nivea*		Snowy Mint-bush		1	
Plantae	Flora	Lamiaceae	3423	*Prostanthera ovalifolia*				3	
Plantae	Flora	Lamiaceae	3426	*Prostanthera rhombea*				7	
Plantae	Flora	Lamiaceae	3427	*Prostanthera rotundifolia*		Round-leaved Mint-bush		1	
Plantae	Flora	Lamiaceae	3430	*Prostanthera scutellarioides*				8	
Plantae	Flora	Lamiaceae	PROS	*Prostanthera spp.*				2	
Plantae	Flora	Lamiaceae	3440	*Prunella vulgaris*	*	Self-heal		3	
Plantae	Flora	Lamiaceae	3442	*Salvia coccinea*	*			3	
Plantae	Flora	Lamiaceae	3445	*Salvia reflexa*	*	Mintweed		1	
Plantae	Flora	Lamiaceae	6254	*Spartothamnella juncea*		Bead Bush		3	
Plantae	Flora	Lamiaceae	3450	*Stachys arvensis*	*	Stagger Weed		2	
Plantae	Flora	Lamiaceae	3452	*Teucrium corymbosum*		Forest Germander		3	
Plantae	Flora	Lamiaceae	3455	*Westringia amabilis*				6	
Plantae	Flora	Lamiaceae	3459	*Westringia fruticosa*		Coastal Rosemary		1	
Plantae	Flora	Lamiaceae	3460	*Westringia glabra*				1	
Plantae	Flora	Lauraceae	3465	*Beilschmiedia elliptica*		Grey Walnut		7	
Plantae	Flora	Lauraceae	3466	*Beilschmiedia obtusifolia*		Blush Walnut		6	
Plantae	Flora	Lauraceae	BEIL	*Beilschmiedia spp.*				1	
Plantae	Flora	Lauraceae	7220	*Cassytha filiformis*				3	
Plantae	Flora	Lauraceae	3467	*Cassytha glabella*				80	
Plantae	Flora	Lauraceae	9274	*Cassytha glabella f. glabella*				1	
Plantae	Flora	Lauraceae	3469	*Cassytha pubescens*		Downy Dodder-laurel		80	
Plantae	Flora	Lauraceae	CASY	*Cassytha spp.*				6	
Plantae	Flora	Lauraceae	13650	*Cinnamomum baileyanum*	*			1	
Plantae	Flora	Lauraceae	3471	*Cinnamomum camphora*	*	Camphor Laurel		112	
Plantae	Flora	Lauraceae	3472	*Cinnamomum oliveri*		Oliver's Sassafras		22	
Plantae	Flora	Lauraceae	3473	*Cinnamomum virens*		Red-barked Sassafras		42	
Plantae	Flora	Lauraceae	3475	*Cryptocarya erythroxylon*		Pigeonberry Ash		6	
Plantae	Flora	Lauraceae	3478	*Cryptocarya foveolata*		Mountain Walnut		23	
Plantae	Flora	Lauraceae	3479	*Cryptocarya glaucescens*		Jackwood		103	
Plantae	Flora	Lauraceae	8756	*Cryptocarya meissneriana*		Thick-leaved Laurel		100	
Plantae	Flora	Lauraceae	3483	*Cryptocarya microneura*		Murrogun		123	
Plantae	Flora	Lauraceae	8475	*Cryptocarya nova-anglica*		Mountain Laurel		8	
Plantae	Flora	Lauraceae	3484	*Cryptocarya obovata*		Pepperberry		18	
Plantae	Flora	Lauraceae	3485	*Cryptocarya rigida*		Forest Maple		165	
Plantae	Flora	Lauraceae	11420	*Cryptocarya spp.*				3	
Plantae	Flora	Lauraceae	3486	*Cryptocarya triplinervis*		Three-veined Cryptocarya		1	
Plantae	Flora	Lauraceae	3488	*Endiandra crassiflora*		Dorrigo Maple		13	
Plantae	Flora	Lauraceae	3489	*Endiandra discolor*		Rose Walnut		21	
Plantae	Flora	Lauraceae	3493	*Endiandra muelleri*		Green-leaved Rose Walnut		48	

Plantae	Flora	Lauraceae	9364	*Endiandra muelleri subsp. muelleri*			13
Plantae	Flora	Lauraceae	3495	*Endiandra sieberi*		Hard Corkwood	69
Plantae	Flora	Lauraceae	3496	*Endiandra virens*		White Apple	1
Plantae	Flora	Lauraceae	8675	*Litsea australis*		Brown Bolly Gum	1
Plantae	Flora	Lauraceae	3498	*Litsea reticulata*		Bolly Gum	51
Plantae	Flora	Lauraceae	8386	*Neolitsea australiensis*		Green Bolly Gum	16
Plantae	Flora	Lauraceae	3499	*Neolitsea dealbata*		Hairy-leaved Bolly Gum	87
Plantae	Flora	Lentibulariaceae	3505	*Utricularia australis*		Yellow Bladderwort	4
Plantae	Flora	Lentibulariaceae	3507	*Utricularia dichotoma*		Fairy Aprons	1
Plantae	Flora	Lentibulariaceae	9234	*Utricularia gibba*		Floating Bladderwort	1
Plantae	Flora	Lentibulariaceae	3508	*Utricularia lateriflora*		Small Bladderwort	1
Plantae	Flora	Lentibulariaceae	9235	*Utricularia uniflora*			1
Plantae	Flora	Liliaceae	3559	*Lilium formosanum*	*	Formosan Lily	5
Plantae	Flora	Linaceae	3585	*Linum usitatissimum*	*	Flax	1
Plantae	Flora	Lindsaeaceae	6406	*Lindsaea linearis*		Screw Fern	30
Plantae	Flora	Lindsaeaceae	6401	*Lindsaea microphylla*		Lacy Wedge Fern	27
Plantae	Flora	Lindsaeaceae	LIND	*Lindsaea spp.*			1
Plantae	Flora	Lobeliaceae	1913	*Isotoma axillaris*		Showy Isotome	2
Plantae	Flora	Lobeliaceae	10465	*Lobelia anceps*			24
Plantae	Flora	Lobeliaceae	7072	*Lobelia dentata*			1
Plantae	Flora	Lobeliaceae	1917	*Lobelia gibbosa*		Tall Lobelia	2
Plantae	Flora	Lobeliaceae	LOBE	*Lobelia spp.*			9
Plantae	Flora	Lobeliaceae	1919	*Lobelia trigonocaulis*		Forest Lobelia	26
Plantae	Flora	Lobeliaceae	1925	*Pratia purpurascens*		Whiteroot	235
Plantae	Flora	Loganiaceae	3588	*Logania albiflora*			20
Plantae	Flora	Loganiaceae	13184	*Logania albiflora subsp. A*			4
Plantae	Flora	Loganiaceae	3590	*Logania pusilla*			1
Plantae	Flora	Loganiaceae	3591	*Mitrasacme alsinoides*			10
Plantae	Flora	Loganiaceae	3592	*Mitrasacme paludosa*			2
Plantae	Flora	Loganiaceae	3595	*Mitrasacme polymorpha*			5
Plantae	Flora	Loganiaceae	3596	*Mitrasacme serpyllifolia*			2
Plantae	Flora	Loganiaceae	MITR	*Mitrasacme spp.*			1
Plantae	Flora	Lomandraceae	6297	*Lomandra confertifolia*		Matrush	3
Plantae	Flora	Lomandraceae	7709	*Lomandra confertifolia subsp. pallida*		Matrush	5
Plantae	Flora	Lomandraceae	6301	*Lomandra elongata*			1
Plantae	Flora	Lomandraceae	6302	*Lomandra filiformis*		Wattle Matt-rush	56
Plantae	Flora	Lomandraceae	6511	*Lomandra filiformis subsp. coriacea*		Wattle Matt-rush	9
Plantae	Flora	Lomandraceae	7931	*Lomandra filiformis subsp. filiformis*			26
Plantae	Flora	Lomandraceae	6304	*Lomandra glauca*		Pale Mat-rush	10
Plantae	Flora	Lomandraceae	8776	*Lomandra hystrix*			22
Plantae	Flora	Lomandraceae	6308	*Lomandra longifolia*		Spiny-headed Mat-rush	495
Plantae	Flora	Lomandraceae	9082	*Lomandra micrantha subsp. tuberculata*		Small-flowered Mat-rush	1
Plantae	Flora	Lomandraceae	8802	*Lomandra multiflora subsp. multiflora*		Many-flowered Mat-rush	56
Plantae	Flora	Lomandraceae	6314	*Lomandra spicata*			98
Plantae	Flora	Lomandraceae	LOMA	*Lomandra spp.*		Mat-rush	1

Plantae	Flora	Loranthaceae	6856	*Amyema congener subsp. congener*				28
Plantae	Flora	Loranthaceae	3602	*Amyema gaudichaudii*				1
Plantae	Flora	Loranthaceae	6394	*Amyema miquelii*		Box Mistletoe		1
Plantae	Flora	Loranthaceae	3607	*Amyema pendula*				11
Plantae	Flora	Loranthaceae	7308	*Amyema pendula subsp. pendula*				5
Plantae	Flora	Loranthaceae	AMYE	*Amyema spp.*		Mistletoe		27
Plantae	Flora	Loranthaceae	3610	*Amylotheca dictyophleba*				10
Plantae	Flora	Loranthaceae	3612	*Benthamina alyxifolia*				6
Plantae	Flora	Loranthaceae	3613	*Dendrophthoe vitellina*				4
Plantae	Flora	Loranthaceae	3619	*Muellerina celastroides*				6
Plantae	Flora	Loranthaceae	3620	*Muellerina eucalyptoides*				2
Plantae	Flora	Loranthaceae	MUEL	*Muellerina spp.*				1
Plantae	Flora	Luzuriagaceae	3547	*Drymophila moorei*		Orange Berry		92
Plantae	Flora	Luzuriagaceae	6015	*Eustrephus latifolius*		Wombat Berry		206
Plantae	Flora	Luzuriagaceae	6016	*Geitonoplesium cymosum*		Scrambling Lily		307
Plantae	Flora	Lycopodiaceae	10641	*Lycopodiella cernua*		Scrambling Clubmoss		1
Plantae	Flora	Lycopodiaceae	9293	*Lycopodiella lateralis*		Slender Clubmoss		1
Plantae	Flora	Lycopodiaceae	6409	*Lycopodium deuterodensum*		Bushy Clubmoss	P	5
Plantae	Flora	Lycopodiaceae	LYCO	*Lycopodium spp.*			P	13
Plantae	Flora	Malaceae	5614	*Cotoneaster pannosus*	*			2
Plantae	Flora	Malaceae	5618	*Eriobotrya japonica*	*	Loquat		1
Plantae	Flora	Malvaceae	3632	*Abutilon oxycarpum*		Straggly Lantern-bush		5
Plantae	Flora	Malvaceae	6126	*Brachychiton acerifolius*		Illawarra Flame Tree		28
Plantae	Flora	Malvaceae	6127	*Brachychiton discolor*		Lacebark Tree		3
Plantae	Flora	Malvaceae	6128	*Brachychiton populneus*		Kurrajong		9
Plantae	Flora	Malvaceae	8961	*Brachychiton populneus subsp. populneus*				1
Plantae	Flora	Malvaceae	6129	*Commersonia bartramia*		Brown Kurrajong		4
Plantae	Flora	Malvaceae	14590	*Commersonia dasyphylla*				13
Plantae	Flora	Malvaceae	6130	*Commersonia fraseri*		Brush Kurrajong		37
Plantae	Flora	Malvaceae	6133	*Heritiera actinophylla*		Black Booyong		91
Plantae	Flora	Malvaceae	3641	*Hibiscus diversifolius*		Swamp Hibiscus		5
Plantae	Flora	Malvaceae	8877	*Hibiscus heterophyllus subsp. heterophyllus*		Native Rosella		46
Plantae	Flora	Malvaceae	3645	*Hibiscus splendens*		Pink Hibiscus		7
Plantae	Flora	Malvaceae	HIBI	*Hibiscus spp.*				6
Plantae	Flora	Malvaceae	3647	*Hibiscus tiliaceus*		Cottonwood Hibiscus		7
Plantae	Flora	Malvaceae	3649	*Howittia trilocularis*				5
Plantae	Flora	Malvaceae	9871	*Keraudrenia hillii var. hillii*				1
Plantae	Flora	Malvaceae	3650	*Lagunaria patersonia*		Norfolk Island Hibiscus		2
Plantae	Flora	Malvaceae	6139	*Lasiopetalum ferrugineum*				2
Plantae	Flora	Malvaceae	9175	*Lasiopetalum ferrugineum var. cordatum*				1
Plantae	Flora	Malvaceae	9008	*Lasiopetalum ferrugineum var. ferrugineum*				1
Plantae	Flora	Malvaceae	6143	*Lasiopetalum parviflorum*				3
Plantae	Flora	Malvaceae	3657	*Malva parviflora*	*	Small-flowered Mallow		1

Plantae	Flora	Malvaceae	3660	*Modiola caroliniana*	*	Red-flowered Mallow		3	
Plantae	Flora	Malvaceae	7267	*Pavonia hastata*	*			2	
Plantae	Flora	Malvaceae	6151	*Seringia arborescens*				2	
Plantae	Flora	Malvaceae	3673	*Sida rhombifolia*	*	Paddy's Lucerne		110	
Plantae	Flora	Marsileaceae	8139	*Marsilea mutica*				2	
Plantae	Flora	Melastomataceae	3675	*Melastoma affine*		Blue Tongue		2	
Plantae	Flora	Melastomataceae	11738	*Tibouchina urvilleana*	*	Lasiandra		4	
Plantae	Flora	Meliaceae	3676	*Dysoxylum fraserianum*		Rosewood		55	
Plantae	Flora	Meliaceae	11079	*Dysoxylum mollissimum subsp. molle*		Red Bean		1	
Plantae	Flora	Meliaceae	3679	*Dysoxylum rufum*		Hairy Rosewood		58	
Plantae	Flora	Meliaceae	3680	*Melia azedarach*		White Cedar		22	
Plantae	Flora	Meliaceae	11178	*Synoum glandulosum subsp. glandulosum*		Scentless Rosewood		241	
Plantae	Flora	Meliaceae	8839	*Toona ciliata*		Red Cedar		22	
Plantae	Flora	Menispermaceae	3686	*Legnephora moorei*		Round-leaf Vine		31	
Plantae	Flora	Menispermaceae	3688	*Sarcopetalum harveyanum*		Pearl Vine		111	
Plantae	Flora	Menispermaceae	3690	*Stephania japonica*		Snake vine		93	
Plantae	Flora	Menispermaceae	8428	*Stephania japonica var. discolor*		Snake Vine		67	
Plantae	Flora	Menispermaceae	7167	*Tinospora smilacina*		Tinospora Vine	E1,P	K	
Plantae	Flora	Menyanthaceae	7615	*Nymphoides geminata*		Entire Marshwort		2	
Plantae	Flora	Menyanthaceae	7891	*Nymphoides indica*		Water Snowflake		1	
Plantae	Flora	Menyanthaceae	3692	*Villarsia exaltata*		Yellow Marsh Flower		17	
Plantae	Flora	Monimiaceae	13218	*Daphnandra apatela*				18	
Plantae	Flora	Monimiaceae	3911	*Daphnandra micrantha*				48	
Plantae	Flora	Monimiaceae	DAPH	*Daphnandra spp.*				3	
Plantae	Flora	Monimiaceae	3912	*Daphnandra tenuipes*		Red-flowered Socketwood		9	
Plantae	Flora	Monimiaceae	3913	*Doryphora sassafras*		Sassafras		102	
Plantae	Flora	Monimiaceae	3914	*Hedycarya angustifolia*		Native Mulberry		20	
Plantae	Flora	Monimiaceae	3915	*Palmeria scandens*		Anchor Vine		96	
Plantae	Flora	Monimiaceae	3918	*Wilkiea huegeliana*		Veiny Wilkiea		125	
Plantae	Flora	Monimiaceae	3919	*Wilkiea macrophylla*		Large-leaved Wilkiea		2	
Plantae	Flora	Moraceae	11662	*Ficus carica*	*	Common Fig		1	
Plantae	Flora	Moraceae	7479	*Ficus coronata*		Creek Sandpaper Fig		131	
Plantae	Flora	Moraceae	8778	*Ficus elastica*	*			1	
Plantae	Flora	Moraceae	3921	*Ficus fraseri*		Sandpaper Fig		27	
Plantae	Flora	Moraceae	3922	*Ficus macrophylla*				9	
Plantae	Flora	Moraceae	8841	*Ficus macrophylla subsp. macrophylla*		Moreton Bay Fig		7	
Plantae	Flora	Moraceae	7301	*Ficus obliqua*		Small-leaved Fig		23	
Plantae	Flora	Moraceae	7788	*Ficus obliqua var. obliqua*				3	
Plantae	Flora	Moraceae	3924	*Ficus rubiginosa*		Port Jackson Fig		39	
Plantae	Flora	Moraceae	11720	*Ficus rubiginosa f. rubiginosa*				3	
Plantae	Flora	Moraceae	FICU	*Ficus spp.*	*			2	
Plantae	Flora	Moraceae	8407	*Ficus superba var. henneana*		Deciduous Fig		14	
Plantae	Flora	Moraceae	3927	*Ficus watkinsiana*		Strangling Fig		22	
Plantae	Flora	Moraceae	3928	*Maclura cochinchinensis*		Cockspur Thorn		63	
Plantae	Flora	Moraceae	3930	*Morus alba*	*	White Mulberry		1	
Plantae	Flora	Moraceae	3931	*Streblus brunonianus*		Whalebone Tree		21	

Plantae	Flora	Moraceae	10416	*Trophis scandens*		Burny Vine			32	
Plantae	Flora	Moraceae	10417	*Trophis scandens subsp. scandens*		Burny Vine			4	
Plantae	Flora	Musaceae	11327	*Musa acuminata*	*	Edible banana			2	
Plantae	Flora	Musaceae	MUSA	*Musa spp.*	*	Banana			1	
Plantae	Flora	Myoporaceae	8602	*Eremophila debilis*		Amulla			2	
Plantae	Flora	Myoporaceae	7906	*Myoporum acuminatum*		Boobialla			9	
Plantae	Flora	Myoporaceae	9043	*Myoporum boninense subsp. australe*					4	
Plantae	Flora	Myoporaceae	3954	*Myoporum insulare*		Common Boobialla			1	
Plantae	Flora	Myrsinaceae	7459	*Aegiceras corniculatum*		River Mangrove			9	
Plantae	Flora	Myrsinaceae	10694	*Ardisia crenata*	*	Coralberry			2	
Plantae	Flora	Myrsinaceae	3959	*Embelia australiana*					46	
Plantae	Flora	Myrsinaceae	14614	*Lysimachia arvensis*	*	Scarlet Pimpernel			18	
Plantae	Flora	Myrsinaceae	11948	*Myrsine howittiana*		Brush Muttonwood			83	
Plantae	Flora	Myrsinaceae	11953	*Myrsine variabilis*					109	
Plantae	Flora	Myrtaceae	3968	*Acmena smithii*		Lilly Pilly			255	
Plantae	Flora	Myrtaceae	11432	*Agonis flexuosa*	*				1	
Plantae	Flora	Myrtaceae	3970	*Angophora costata*		Sydney Red Gum			6	
Plantae	Flora	Myrtaceae	3971	*Angophora floribunda*		Rough-barked Apple			20	
Plantae	Flora	Myrtaceae	ANGO	*Angophora spp.*					1	
Plantae	Flora	Myrtaceae	3974	*Angophora subvelutina*		Broad-leaved Apple			19	
Plantae	Flora	Myrtaceae	3976	*Archirhodomyrtus beckleri*		Rose Myrtle			72	
Plantae	Flora	Myrtaceae	3984	*Backhousia myrtifolia*		Grey Myrtle			42	
Plantae	Flora	Myrtaceae	3985	*Backhousia sciadophora*		Shatterwood			24	
Plantae	Flora	Myrtaceae	3993	*Baeckea diosmifolia*		Fringed Baeckea			1	
Plantae	Flora	Myrtaceae	3995	*Baeckea imbricata*					2	
Plantae	Flora	Myrtaceae	3997	*Baeckea linifolia*		Weeping Baeckea	P		2	
Plantae	Flora	Myrtaceae	9836	*Baeckea omissa*					6	
Plantae	Flora	Myrtaceae	BAEC	*Baeckea spp.*					1	
Plantae	Flora	Myrtaceae	4002	*Callistemon acuminatus*		Tapering-leaved Bottlebrush			5	
Plantae	Flora	Myrtaceae	4004	*Callistemon citrinus*		Crimson Bottlebrush			3	
Plantae	Flora	Myrtaceae	4005	*Callistemon comboynensis*		Cliff Bottlebrush			2	
Plantae	Flora	Myrtaceae	4007	*^^Callistemon linearifolius*		Netted Bottle Brush	V,P,3		1	
Plantae	Flora	Myrtaceae	4010	*Callistemon pachyphyllus*		Wallum Bottlebrush			66	
Plantae	Flora	Myrtaceae	4011	*Callistemon pallidus*		Lemon Bottlebrush			2	
Plantae	Flora	Myrtaceae	9126	*Callistemon pungens*			P	V	K	
Plantae	Flora	Myrtaceae	4014	*Callistemon rigidus*		Stiff Bottlebrush			4	
Plantae	Flora	Myrtaceae	4015	*Callistemon salignus*		Willow Bottlebrush			208	
Plantae	Flora	Myrtaceae	CALL	*Callistemon spp.*					13	
Plantae	Flora	Myrtaceae	4019	*Callistemon viminalis*		Weeping Bottlebrush			3	
Plantae	Flora	Myrtaceae	4021	*Calytrix tetragona*		Common Fringe-myrtle			1	
Plantae	Flora	Myrtaceae	4022	*Choricarpia leptopetala*		Brush Turpentine			10	
Plantae	Flora	Myrtaceae	11748	*Corymbia citriodora*	*	Lemon-scented Gum			5	
Plantae	Flora	Myrtaceae	9687	*Corymbia gummifera*		Red Bloodwood			79	
Plantae	Flora	Myrtaceae	9601	*Corymbia intermedia*		Pink Bloodwood			423	
Plantae	Flora	Myrtaceae	9692	*Corymbia maculata*		Spotted Gum			28	
Plantae	Flora	Myrtaceae	CRYM	*Corymbia spp.*					1	
Plantae	Flora	Myrtaceae	9744	*Corymbia tessellaris*		Carbeen			2	
Plantae	Flora	Myrtaceae	12526	*Corymbia torelliana*	*	Cadaghi			4	
Plantae	Flora	Myrtaceae	4030	*Darwinia leptantha*					5	
Plantae	Flora	Myrtaceae	8442	*Decaspermum humile*		Silky Myrtle			7	
Plantae	Flora	Myrtaceae	4035	*Eucalyptus acaciiformis*		Wattle-leaved Peppermint			12	
Plantae	Flora	Myrtaceae	7027	*Eucalyptus acmenoides*		White Mahogany			198	
Plantae	Flora	Myrtaceae	4037	*Eucalyptus agglomerata*		Blue-leaved Stringybark			13	

Plantae	Flora	Myrtaceae	4040	*Eucalyptus amplifolia*	Cabbage Gum			12	
Plantae	Flora	Myrtaceae	9007	*Eucalyptus amplifolia subsp. amplifolia*				6	
Plantae	Flora	Myrtaceae	8617	*Eucalyptus ancophila*				5	
Plantae	Flora	Myrtaceae	4041	*Eucalyptus andrewsii*	Gum-topped Peppermint			4	
Plantae	Flora	Myrtaceae	4050	*Eucalyptus bancroftii*	Orange Gum			15	
Plantae	Flora	Myrtaceae	7585	*Eucalyptus biturbinata*	Grey Gum			43	
Plantae	Flora	Myrtaceae	4066	*Eucalyptus cameronii*	Diehard Stringybark			49	
Plantae	Flora	Myrtaceae	8652	*Eucalyptus campanulata*	New England Blackbutt			121	
Plantae	Flora	Myrtaceae	8599	*Eucalyptus carnea*	Thick-leaved Mahogany			99	
Plantae	Flora	Myrtaceae	4074	*Eucalyptus crebra*	Narrow-leaved Ironbark			1	
Plantae	Flora	Myrtaceae	7361	*Eucalyptus dalrympleana subsp. heptantha*				14	
Plantae	Flora	Myrtaceae	4082	*Eucalyptus dives*	Broad-leaved Peppermint			10	
Plantae	Flora	Myrtaceae	4084	*Eucalyptus dunnii*	Dunn's White Gum			1	
Plantae	Flora	Myrtaceae	4087	*Eucalyptus eugenioides*	Thin-leaved Stringybark			31	
Plantae	Flora	Myrtaceae	9820	*Eucalyptus fergusonii*				1	
Plantae	Flora	Myrtaceae	8355	*Eucalyptus fergusonii subsp. fergusonii*				5	
Plantae	Flora	Myrtaceae	4091	*Eucalyptus fibrosa*	Red Ironbark			2	
Plantae	Flora	Myrtaceae	8329	*Eucalyptus fusiformis*	Grey Ironbark			2	
Plantae	Flora	Myrtaceae	4097	*Eucalyptus globoidea*	White Stringybark			110	
Plantae	Flora	Myrtaceae	4101	*Eucalyptus grandis*	Flooded Gum			105	
Plantae	Flora	Myrtaceae	4104	*Eucalyptus haemastoma*	Broad-leaved Scribbly Gum			1	
Plantae	Flora	Myrtaceae	4112	*Eucalyptus laevopinea*	Silver-top Stringybark			25	
Plantae	Flora	Myrtaceae	4117	*Eucalyptus ligustrina*	Privet-leaved Stringybark			8	
Plantae	Flora	Myrtaceae	8713	*Eucalyptus magnificata*	Northern Blue Box	E1,P		K	
Plantae	Flora	Myrtaceae	4128	*Eucalyptus microcorys*	Tallowwood			670	
Plantae	Flora	Myrtaceae	4129	*Eucalyptus moluccana*	Grey Box			9	
Plantae	Flora	Myrtaceae	4134	*Eucalyptus nicholii*	Narrow-leaved Black Peppermint	V,P	V	5	
Plantae	Flora	Myrtaceae	8618	*Eucalyptus nobilis*	Forest Ribbon Gum			20	
Plantae	Flora	Myrtaceae	4138	*Eucalyptus notabilis*	Mountain Mahogany			4	
Plantae	Flora	Myrtaceae	4140	*Eucalyptus obliqua*	Messmate			43	
Plantae	Flora	Myrtaceae	4145	*Eucalyptus oreades*	Blue Mountains Ash			19	
Plantae	Flora	Myrtaceae	4149	*Eucalyptus paniculata*	Grey Ironbark			23	
Plantae	Flora	Myrtaceae	4151	*Eucalyptus pauciflora*	White Sally			10	
Plantae	Flora	Myrtaceae	4155	*Eucalyptus pilularis*	Blackbutt			477	
Plantae	Flora	Myrtaceae	4156	*Eucalyptus piperita*	Sydney Peppermint			3	
Plantae	Flora	Myrtaceae	8853	*Eucalyptus placita*	A Grey Ironbark			9	
Plantae	Flora	Myrtaceae	4157	*Eucalyptus planchoniana*	Bastard Tallowwood			20	
Plantae	Flora	Myrtaceae	4162	*Eucalyptus propinqua*	Small-fruited Grey Gum			270	
Plantae	Flora	Myrtaceae	4165	*Eucalyptus punctata*	Grey Gum			5	
Plantae	Flora	Myrtaceae	4166	*Eucalyptus pyrocarpa*	Large-fruited Blackbutt			11	
Plantae	Flora	Myrtaceae	4167	*Eucalyptus quadrangulata*	White-topped Box			1	
Plantae	Flora	Myrtaceae	4168	*Eucalyptus racemosa*	Narrow-leaved Scribbly Gum			4	
Plantae	Flora	Myrtaceae	4169	*Eucalyptus radiata*	Narrow-leaved Peppermint			14	
Plantae	Flora	Myrtaceae	8696	*Eucalyptus radiata subsp. sejuncta*				14	
Plantae	Flora	Myrtaceae	4170	*Eucalyptus resinifera*	Red Mahogany			107	
Plantae	Flora	Myrtaceae	8694	*Eucalyptus resinifera subsp. hemilampra*				19	
Plantae	Flora	Myrtaceae	9450	*Eucalyptus resinifera subsp. resinifera*				21	
Plantae	Flora	Myrtaceae	4171	*Eucalyptus robusta*	Swamp Mahogany			161	
Plantae	Flora	Myrtaceae	4177	*Eucalyptus saligna*	Sydney Blue Gum			265	
Plantae	Flora	Myrtaceae	8950	*Eucalyptus scias*	Large-fruited Red Mahogany			2	

Plantae	Flora	Myrtaceae	8832	*Eucalyptus scias subsp. apoda*			2
Plantae	Flora	Myrtaceae	4179	*Eucalyptus seeana*	Narrow-leaved Red Gum		32
Plantae	Flora	Myrtaceae	4180	*Eucalyptus siderophloia*	Grey Ironbark		230
Plantae	Flora	Myrtaceae	4181	*Eucalyptus sideroxylon*	Mugga Ironbark		1
Plantae	Flora	Myrtaceae	4183	*Eucalyptus signata*	Scribbly Gum		49
Plantae	Flora	Myrtaceae	EUCA	*Eucalyptus spp.*			1
Plantae	Flora	Myrtaceae	4191	*Eucalyptus tereticornis*	Forest Red Gum		134
Plantae	Flora	Myrtaceae	4196	*Eucalyptus umbra*	Broad-leaved White Mahogany		84
Plantae	Flora	Myrtaceae	8683	*Eucalyptus williamsiana*			6
Plantae	Flora	Myrtaceae	14137	*Eucalyptus x kirtoniana*			12
Plantae	Flora	Myrtaceae	14166	*Eucalyptus x vitrea*			2
Plantae	Flora	Myrtaceae	11217	*Euryomyrtus ramosissima*	Rosy Baeckea		2
Plantae	Flora	Myrtaceae	11218	*Euryomyrtus ramosissima subsp. ramosissima*			8
Plantae	Flora	Myrtaceae	11397	*Gossia acmenoides*	Scrub Ironwood		7
Plantae	Flora	Myrtaceae	11398	*Gossia bidwillii*	Python Tree		18
Plantae	Flora	Myrtaceae	4203	*Homoranthus virgatus*			4
Plantae	Flora	Myrtaceae	4204	*Kunzea ambigua*	Tick Bush	P	1
Plantae	Flora	Myrtaceae	4207	*Kunzea capitata*		P	9
Plantae	Flora	Myrtaceae	12379	*Kunzea sp. 'Middle Brother Mtn'*			11
Plantae	Flora	Myrtaceae	KUNZ	*Kunzea spp.*			1
Plantae	Flora	Myrtaceae	4215	*Leptospermum brachyandrum*			5
Plantae	Flora	Myrtaceae	4216	*Leptospermum brevipes*	Slender Tea-tree		3
Plantae	Flora	Myrtaceae	8647	*Leptospermum gregarium*			2
Plantae	Flora	Myrtaceae	4221	*Leptospermum juniperinum*	Prickly Tea-tree		62
Plantae	Flora	Myrtaceae	4222	*Leptospermum laevigatum*	Coast Teatree		13
Plantae	Flora	Myrtaceae	4224	*Leptospermum liversidgei*	Olive Tea-tree		27
Plantae	Flora	Myrtaceae	4225	*Leptospermum microcarpum*			1
Plantae	Flora	Myrtaceae	8478	*Leptospermum novae-angliae*			1
Plantae	Flora	Myrtaceae	4234	*Leptospermum petersonii*	Lemon-scented Teatree		8
Plantae	Flora	Myrtaceae	9080	*Leptospermum polyanthum*			2
Plantae	Flora	Myrtaceae	7245	*Leptospermum polygalifolium*	Tantoon		95
Plantae	Flora	Myrtaceae	8199	*Leptospermum polygalifolium subsp. cismontanum*			33
Plantae	Flora	Myrtaceae	8198	*Leptospermum polygalifolium subsp. montanum*			3
Plantae	Flora	Myrtaceae	8197	*Leptospermum polygalifolium subsp. polygalifolium*			2
Plantae	Flora	Myrtaceae	8201	*Leptospermum polygalifolium subsp. transmontanum*			1
Plantae	Flora	Myrtaceae	4236	*Leptospermum semibaccatum*			3
Plantae	Flora	Myrtaceae	LEPT	*Leptospermum spp.*	Tea-tree		19

Plantae	Flora	Myrtaceae	8486	*Leptospermum trinervium*		Slender Tea-tree			13	
Plantae	Flora	Myrtaceae	8600	*Leptospermum variabile*					5	
Plantae	Flora	Myrtaceae	4242	*Lophostemon confertus*		Brush Box			361	
Plantae	Flora	Myrtaceae	4243	*Lophostemon suaveolens*		Swamp Mahogany, Swamp Turpentine			3	
Plantae	Flora	Myrtaceae	4245	*Melaleuca alternifolia*					2	
Plantae	Flora	Myrtaceae	11117	*Melaleuca armillaris subsp. armillaris*		Bracelet Honey-myrtle			1	
Plantae	Flora	Myrtaceae	6809	*Melaleuca biconvexa*		Biconvex Paperbark	V,P	V	32	
Plantae	Flora	Myrtaceae	4249	*Melaleuca decora*					5	
Plantae	Flora	Myrtaceae	6391	*Melaleuca ericifolia*		Swamp Paperbark			1	
Plantae	Flora	Myrtaceae	4252	*Melaleuca groveana*		Grove's Paperbark	V,P		69	
Plantae	Flora	Myrtaceae	4257	*Melaleuca linariifolia*		Flax-leaved Paperbark			179	
Plantae	Flora	Myrtaceae	4258	*Melaleuca nodosa*					49	
Plantae	Flora	Myrtaceae	4260	*Melaleuca quinquenervia*		Broad-leaved Paperbark			240	
Plantae	Flora	Myrtaceae	4261	*Melaleuca sieberi*					87	
Plantae	Flora	Myrtaceae	MELA	*Melaleuca spp.*					4	
Plantae	Flora	Myrtaceae	4264	*Melaleuca styphelioides*		Prickly-leaved Tea Tree			184	
Plantae	Flora	Myrtaceae	4266	*Melaleuca thymifolia*		Thyme Honey-myrtle			28	
Plantae	Flora	Myrtaceae	11326	*Metrosideros excelsa*	*	New Zealand Christmas Bush			1	
Plantae	Flora	Myrtaceae	METR	*Metrosideros spp.*					1	
Plantae	Flora	Myrtaceae	4272	*Micromyrtus ciliata*		Fringed Heath-myrtle			1	
Plantae	Flora	Myrtaceae	6949	*Ochrosperma citriodorum*					3	
Plantae	Flora	Myrtaceae	6474	*Ochrosperma lineare*					4	
Plantae	Flora	Myrtaceae	4277	*Pilidiostigma glabrum*					12	
Plantae	Flora	Myrtaceae	10495	*Psidium cattleianum var. cattleianum*	*	Strawberry Guava			1	
Plantae	Flora	Myrtaceae	4280	*Rhodamnia argentea*		Silver Myrtle			4	
Plantae	Flora	Myrtaceae	4283	*Rhodamnia rubescens*		Scrub Turpentine			102	
Plantae	Flora	Myrtaceae	4284	*Rhodomyrtus psidioides*		Native Guava			42	
Plantae	Flora	Myrtaceae	13297	*Sannantha collina*					1	
Plantae	Flora	Myrtaceae	13751	*Sannantha pluriflora*					17	
Plantae	Flora	Myrtaceae	13299	*Sannantha similis*					14	
Plantae	Flora	Myrtaceae	6688	*Syncarpia glomulifera*		Turpentine			388	
Plantae	Flora	Myrtaceae	10747	*Syncarpia glomulifera subsp. glabra*					2	
Plantae	Flora	Myrtaceae	10748	*Syncarpia glomulifera subsp. glomulifera*					8	
Plantae	Flora	Myrtaceae	6778	*Syzygium australe*		Brush Cherry			29	
Plantae	Flora	Myrtaceae	4286	*Syzygium corynanthum*		Sour Cherry			10	
Plantae	Flora	Myrtaceae	4287	*Syzygium crebrinerve*		Rose Satinash			4	
Plantae	Flora	Myrtaceae	4289	*Syzygium francisii*		Giant Water Gum			8	
Plantae	Flora	Myrtaceae	4291	*Syzygium luehmannii*		Small-leaved Lilly Pilly			5	
Plantae	Flora	Myrtaceae	7201	*Syzygium oleosum*		Blue Lilly Pilly			29	
Plantae	Flora	Myrtaceae	SYZY	*Syzygium spp.*					1	
Plantae	Flora	Myrtaceae	4296	*Tristaniopsis collina*		Mountain Water Gum			14	
Plantae	Flora	Myrtaceae	4297	*Tristaniopsis laurina*		Kanooka			48	
Plantae	Flora	Myrtaceae	6799	*Waterhousea floribunda*		Weeping Lilly Pilly			11	
Plantae	Flora	Najadaceae	9185	*Najas marina subsp. armata*					1	
Plantae	Flora	Nothofagaceae	3107	*Nothofagus moorei*		Antarctic Beech			38	
Plantae	Flora	Nyctaginaceae	4302	*Pisonia umbellifera*		Birdlime Tree			1	
Plantae	Flora	Nymphaeaceae	10779	*Nymphaea caerulea subsp. zanzibarensis*	*	Cape Waterlily			15	
Plantae	Flora	Nymphaeaceae	7460	*Nymphaea gigantea*		Giant Waterlily			5	

Plantae	Flora	Nymphaeaceae	NYMP	*Nymphaea spp.*	*			18
Plantae	Flora	Ochnaceae	4306	*Ochna serrulata*	*	Mickey Mouse Plant		51
Plantae	Flora	Ochnaceae	OCHN	*Ochna spp.*	*			5
Plantae	Flora	Olacaceae	6407	*Olax stricta*				2
Plantae	Flora	Oleaceae	10913	*Jasminum polyanthum*	*	White Jasmine		1
Plantae	Flora	Oleaceae	4311	*Jasminum volubile*				12
Plantae	Flora	Oleaceae	4312	*Ligustrum lucidum*	*	Large-leaved Privet		29
Plantae	Flora	Oleaceae	4313	*Ligustrum sinense*	*	Small-leaved Privet		44
Plantae	Flora	Oleaceae	4318	*Notelaea longifolia*		Large Mock-olive		130
Plantae	Flora	Oleaceae	6653	*Notelaea longifolia f. glabra*				1
Plantae	Flora	Oleaceae	6909	*Notelaea longifolia f. intermedia*				12
Plantae	Flora	Oleaceae	6423	*Notelaea longifolia f. longifolia*				17
Plantae	Flora	Oleaceae	4319	*Notelaea microcarpa*		Native Olive		2
Plantae	Flora	Oleaceae	4321	*Notelaea ovata*				26
Plantae	Flora	Oleaceae	8670	*Notelaea sp. A*				3
Plantae	Flora	Oleaceae	NOTE	*Notelaea spp.*				3
Plantae	Flora	Oleaceae	4322	*Notelaea venosa*		Veined Mock-olive		28
Plantae	Flora	Oleaceae	4324	*Olea europaea*	*	Common Olive		1
Plantae	Flora	Oleaceae	7688	*Olea europaea subsp. europaea*	*	Olive		1
Plantae	Flora	Oleaceae	4325	*Olea paniculata*		Native Olive		17
Plantae	Flora	Onagraceae	7952	*Epilobium billardierianum subsp. cinereum*				2
Plantae	Flora	Onagraceae	7297	*Ludwigia octovalvis*		Willow Primrose		1
Plantae	Flora	Onagraceae	7375	*Ludwigia peploides subsp. montevidensis*		Water Primrose		17
Plantae	Flora	Onagraceae	8808	*Oenothera stricta subsp. stricta*	*			1
Plantae	Flora	Ophioglossaceae	8144	*Botrychium australe*		Parsley Fern		10
Plantae	Flora	Ophioglossaceae	8146	*Ophioglossum pendulum*				1
Plantae	Flora	Orchidaceae	13308	*Acianthella amplexicaulis*			P	4
Plantae	Flora	Orchidaceae	4351	*Acianthus caudatus*		Mayfly Orchid	P	1
Plantae	Flora	Orchidaceae	4352	*Acianthus exsertus*		Mosquito Orchid	P	2
Plantae	Flora	Orchidaceae	4353	*Acianthus fornicatus*		Pixie Caps	P	15
Plantae	Flora	Orchidaceae	9088	*Acianthus pusillus*		Gnat Orchid	P	2
Plantae	Flora	Orchidaceae	ACIA	*Acianthus spp.*		Mosquito Orchid	P	7
Plantae	Flora	Orchidaceae	9014	*Arthrochilus prolixus*			P	5
Plantae	Flora	Orchidaceae	4362	*Bulbophyllum elisae*		Pineapple Orchid	P	2
Plantae	Flora	Orchidaceae	4363	*Bulbophyllum exiguum*			P	27
Plantae	Flora	Orchidaceae	4365	*Bulbophyllum minutissimum*			P	1
Plantae	Flora	Orchidaceae	9018	*Bulbophyllum schillerianum*		Red Rope Orchid	P	1
Plantae	Flora	Orchidaceae	6859	*Bulbophyllum shepherdii*		Wheat-leaved Orchid	P	13
Plantae	Flora	Orchidaceae	4373	*Caladenia carnea*		Pink Fingers	P	6
Plantae	Flora	Orchidaceae	6703	*Caladenia catenata*		White Caladenia	P	11
Plantae	Flora	Orchidaceae	7588	*Caladenia picta*			P	1
Plantae	Flora	Orchidaceae	9124	*Caladenia quadrifaria*			P	4
Plantae	Flora	Orchidaceae	4388	*Calanthe triplicata*		Christmas Orchid	P	17
Plantae	Flora	Orchidaceae	4389	*Caleana major*		Large Duck Orchid	P	3
Plantae	Flora	Orchidaceae	4390	*Calochilus campestris*		Copper Beard Orchid	P	4
Plantae	Flora	Orchidaceae	4394	*Calochilus paludosus*		Red Beard Orchid	P	3
Plantae	Flora	Orchidaceae	14090	*Cestichis coelogynoides*			P	5
Plantae	Flora	Orchidaceae	14091	*Cestichis reflexa*			P	5
Plantae	Flora	Orchidaceae	14092	*Cestichis swenssonii*			P	1
Plantae	Flora	Orchidaceae	9020	*^Chiloglottis anaticeps*		Bird Orchid	E1,P,2	3

Plantae	Flora	Orchidaceae	7814	*Chiloglottis diphylla*		P		2	
Plantae	Flora	Orchidaceae	9022	*^Chiloglottis platyptera*	Barrington Tops Ant Orchid	V,P,2		K	
Plantae	Flora	Orchidaceae	4402	*Chiloglottis reflexa*		P		4	
Plantae	Flora	Orchidaceae	8868	*Chiloglottis sphyrnoides*		P		3	
Plantae	Flora	Orchidaceae	CHIL	*Chiloglottis spp.*		P		7	
Plantae	Flora	Orchidaceae	6881	*Chiloglottis sylvestris*		P		1	
Plantae	Flora	Orchidaceae	4403	*Chiloglottis trapeziformis*	Thick-lip Bird Orchid	P		2	
Plantae	Flora	Orchidaceae	4404	*Corybas aconitiflorus*	Spurred Helmet Orchid	P		5	
Plantae	Flora	Orchidaceae	7444	*Corybas barbarae*		P		3	
Plantae	Flora	Orchidaceae	4408	*Corybas fordhamii*	Banded Helmet Orchid	P		2	
Plantae	Flora	Orchidaceae	4410	*Corybas pruinosus*	Toothed Helmet Orchid	P		3	
Plantae	Flora	Orchidaceae	CORY	*Corybas spp.*		P		4	
Plantae	Flora	Orchidaceae	4411	*Corybas undulatus*	Tailed Helmet Orchid	P		2	
Plantae	Flora	Orchidaceae	4414	*Cryptostylis erecta*	Tartan Tongue Orchid	P		29	
Plantae	Flora	Orchidaceae	4415	*^Cryptostylis hunteriana*	Leafless Tongue Orchid	V,P,2	V	K	
Plantae	Flora	Orchidaceae	4416	*Cryptostylis leptochila*	Small Tongue Orchid	P		1	
Plantae	Flora	Orchidaceae	CRYT	*Cryptostylis spp.*		P		7	
Plantae	Flora	Orchidaceae	4417	*Cryptostylis subulata*	Large Tongue Orchid	P		21	
Plantae	Flora	Orchidaceae	4418	*Cymbidium madidum*		P		1	
Plantae	Flora	Orchidaceae	4419	*Cymbidium suave*	Snake Orchid	P		51	
Plantae	Flora	Orchidaceae	4420	*Dendrobium aemulum*	Ironbark Orchid	P		29	
Plantae	Flora	Orchidaceae	6945	*Dendrobium bowmanii*		P		1	
Plantae	Flora	Orchidaceae	7387	*Dendrobium fairfaxii*	Rat's Tail Orchid	P		22	
Plantae	Flora	Orchidaceae	4423	*Dendrobium falcorostrum*	Beech Orchid	P		6	
Plantae	Flora	Orchidaceae	4424	*Dendrobium gracilicaule*		P		22	
Plantae	Flora	Orchidaceae	4425	*Dendrobium kingianum*	Pink Rock Orchid	P		11	
Plantae	Flora	Orchidaceae	4426	*Dendrobium linguiforme*	Tongue Orchid	P		18	
Plantae	Flora	Orchidaceae	6630	*^Dendrobium melaleucaphilum*	Spider orchid	E1,P,2		4	
Plantae	Flora	Orchidaceae	4429	*Dendrobium mortii*		P		11	
Plantae	Flora	Orchidaceae	4430	*Dendrobium pugioniforme*	Dagger Orchid	P		46	
Plantae	Flora	Orchidaceae	6697	*Dendrobium schoeninum*	Pencil Orchid	P		15	
Plantae	Flora	Orchidaceae	4432	*Dendrobium speciosum*	Rock Lily	P		15	
Plantae	Flora	Orchidaceae	8943	*Dendrobium speciosum var. hillii*	King Orchid	P		6	
Plantae	Flora	Orchidaceae	DEND	*Dendrobium spp.*		P		7	
Plantae	Flora	Orchidaceae	4435	*Dendrobium teretifolium*	Rat's Tail Orchid	P		20	
Plantae	Flora	Orchidaceae	4436	*Dendrobium tetragonum*	Tree Spider Orchid	P		9	
Plantae	Flora	Orchidaceae	9120	*Dendrobium x gracillimum*		P		2	
Plantae	Flora	Orchidaceae	7887	*Dipodium punctatum*		P		13	
Plantae	Flora	Orchidaceae	DIPO	*Dipodium spp.*		P		1	
Plantae	Flora	Orchidaceae	7888	*Dipodium variegatum*		P		9	
Plantae	Flora	Orchidaceae	4441	*Diuris aurea*		P		1	
Plantae	Flora	Orchidaceae	7473	*Diuris chrysantha*		P		1	
Plantae	Flora	Orchidaceae	9025	*^Diuris disposita*	Willawarrin Doubletail	E1,P,2		K	
Plantae	Flora	Orchidaceae	14212	*^Diuris eborensis*		E1,P,2		K	
Plantae	Flora	Orchidaceae	4450	*^Diuris pedunculata*	Small Snake Orchid	E1,P,2	E	1	
Plantae	Flora	Orchidaceae	4453	*Diuris punctata*	Purple Donkey Orchid	P		1	
Plantae	Flora	Orchidaceae	10936	*^Diuris sp. aff. chrysantha*	Byron Bay Diuris	E1,P,2		1	
Plantae	Flora	Orchidaceae	4456	*Diuris sulphurea*	Tiger Orchid	P		1	
Plantae	Flora	Orchidaceae	4460	*Eriochilus cucullatus*	Parson's Bands	P		3	

Plantae	Flora	Orchidaceae	8949	*Erythrorchis cassythoides*		Climbing Orchid	P		6	
Plantae	Flora	Orchidaceae	4463	*Gastrodia sesamoides*		Cinnamon Bells	P		3	
Plantae	Flora	Orchidaceae	9196	*Genoplesium acuminatum*			P		2	
Plantae	Flora	Orchidaceae	9197	*Genoplesium archeri*		Variable Midge Orchid	P		1	
Plantae	Flora	Orchidaceae	8872	*Genoplesium fimbriatum*		Fringed Midge Orchid	P		1	
Plantae	Flora	Orchidaceae	8873	*Genoplesium nudiscapum*		Dense Midge Orchid	P		1	
Plantae	Flora	Orchidaceae	9200	*Genoplesium pumilum*		Green Midge Orchid	P		1	
Plantae	Flora	Orchidaceae	4465	*Glossodia major*		Waxlip Orchid	P		3	
Plantae	Flora	Orchidaceae	7622	*Microtis parviflora*		Slender Onion Orchid	P		2	
Plantae	Flora	Orchidaceae	4473	*Microtis unifolia*		Common Onion Orchid	P		1	
Plantae	Flora	Orchidaceae	7077	*^Oberonia titania*		Red-flowered King of the Fairies	V,P,2		4	
Plantae	Flora	Orchidaceae	4477	*Papillilabium beckleri*			P		3	
Plantae	Flora	Orchidaceae	4479	*^Peristeranthus hillii*		Brown Fairy-chain Orchid	V,P,2		1	
Plantae	Flora	Orchidaceae	4480	*^Phaius australis*		Southern Swamp Orchid	E1,P,2	E	1	
Plantae	Flora	Orchidaceae	4483	*Plectorrhiza tridentata*		Tangle Orchid	P		25	
Plantae	Flora	Orchidaceae	4494	*Prasophyllum brevilabre*		Short-lipped Leek Orchid	P		2	
Plantae	Flora	Orchidaceae	8965	*Pseudovanilla foliata*		Great Climbing Orchid	P		2	
Plantae	Flora	Orchidaceae	4539	*Pterostylis baptistii*		King Greenhood	P		2	
Plantae	Flora	Orchidaceae	4545	*Pterostylis curta*		Blunt Greenhood	P		1	
Plantae	Flora	Orchidaceae	4546	*Pterostylis daintreana*			P		1	
Plantae	Flora	Orchidaceae	4547	*Pterostylis decurva*		Summer Grasshood	P		2	
Plantae	Flora	Orchidaceae	9914	*^Pterostylis elegans*		Elegant Greenhood	V,P,2		K	
Plantae	Flora	Orchidaceae	7025	*Pterostylis erecta*		Erect Maroonhood	P		3	
Plantae	Flora	Orchidaceae	4554	*Pterostylis grandiflora*		Cobra Greenhood	P		5	
Plantae	Flora	Orchidaceae	4559	*Pterostylis longifolia*		Tall Greenhood	P		4	
Plantae	Flora	Orchidaceae	4562	*Pterostylis nutans*		Nodding Greenhood	P		9	
Plantae	Flora	Orchidaceae	4564	*Pterostylis ophioglossa*		Snake Tongue Greenhood	P		1	
Plantae	Flora	Orchidaceae	4568	*Pterostylis pedunculata*		Maroonhood	P		4	
Plantae	Flora	Orchidaceae	13356	*Pterostylis rubescens*			P		1	
Plantae	Flora	Orchidaceae	PTER	*Pterostylis spp.*		Greenhood	P		16	
Plantae	Flora	Orchidaceae	4577	*Rhinerrhiza divitiflora*		Raspy Root Orchid	P		3	
Plantae	Flora	Orchidaceae	9219	*Sarcochilus aequalis*		Boulder Orchid	P		1	
Plantae	Flora	Orchidaceae	4582	*Sarcochilus falcatus*		Orange Blossom Orchid	P		40	
Plantae	Flora	Orchidaceae	4583	*^Sarcochilus fitzgeraldii*		Ravine Orchid	V,P,2	V	K	
Plantae	Flora	Orchidaceae	4585	*Sarcochilus hillii*			P		3	
Plantae	Flora	Orchidaceae	7144	*Sarcochilus spathulatus*		Small Butterfly Orchid	P		7	
Plantae	Flora	Orchidaceae	4588	*Schistotylus purpuratus*			P		2	
Plantae	Flora	Orchidaceae	11877	*Spiranthes australis*		Ladies' Tresses	P		13	
Plantae	Flora	Orchidaceae	7110	*Taeniophyllum muelleri*			P		1	
Plantae	Flora	Orchidaceae	11449	*Thelymitra angustifolia*			P		2	
Plantae	Flora	Orchidaceae	7334	*Thelymitra fragrans*			P		5	
Plantae	Flora	Orchidaceae	8968	*Thelymitra ixioides var. ixioides*		Dotted Sun Orchid	P		1	
Plantae	Flora	Orchidaceae	4602	*Thelymitra pauciflora*		Slender Sun Orchid	P		4	
Plantae	Flora	Orchidaceae	12506	*Thelymitra sp. aff. malvina*			P		1	
Plantae	Flora	Osmundaceae	8150	*Leptopteris fraseri*		Crepe Fern			9	
Plantae	Flora	Osmundaceae	8151	*Todea barbara*		King Fern	P		11	
Plantae	Flora	Oxalidaceae	4608	*Oxalis articulata*	*				1	
Plantae	Flora	Oxalidaceae	4612	*Oxalis chnoodes*					21	
Plantae	Flora	Oxalidaceae	4613	*Oxalis corniculata*	*	Creeping Oxalis			29	
Plantae	Flora	Oxalidaceae	9250	*Oxalis debilis var. corymbosa*	*				1	

Plantae	Flora	Oxalidaceae	4615	*Oxalis exilis*				38
Plantae	Flora	Oxalidaceae	4621	*Oxalis perennans*				13
Plantae	Flora	Oxalidaceae	4622	*Oxalis pes-caprae*	*	Soursob		2
Plantae	Flora	Oxalidaceae	4624	*Oxalis radicosa*				3
Plantae	Flora	Oxalidaceae	4625	*Oxalis rubens*				2
Plantae	Flora	Oxalidaceae	OXAL	*Oxalis spp.*				21
Plantae	Flora	Pandanaceae	PANA	*Pandanus spp.*			P	1
Plantae	Flora	Pandanaceae	9349	*Pandanus tectorius var. australianus*		Screw Pine	P	3
Plantae	Flora	Papaveraceae	7115	*Argemone ochroleuca subsp. ochroleuca*	*	Mexican Poppy		1
Plantae	Flora	Passifloraceae	4643	*Passiflora edulis*	*	Common Passionfruit		35
Plantae	Flora	Passifloraceae	4646	*Passiflora herbertiana*				8
Plantae	Flora	Passifloraceae	8886	*Passiflora herbertiana subsp. herbertiana*		Native Passionfruit		3
Plantae	Flora	Passifloraceae	PASS	*Passiflora spp.*	*			2
Plantae	Flora	Passifloraceae	4649	*Passiflora suberosa*	*	Cork Passionfruit		4
Plantae	Flora	Passifloraceae	4650	*Passiflora subpeltata*	*	White Passionflower		48
Plantae	Flora	Passifloraceae	12133	*Passiflora tarminiana*	*	Banana Passionfruit		1
Plantae	Flora	Pennantiaceae	3276	*Pennantia cunninghamii*		Brown Beech		36
Plantae	Flora	Peperomiaceae	11131	*Peperomia blanda var. floribunda*				6
Plantae	Flora	Peperomiaceae	4664	*Peperomia tetraphylla*		Four-leaved Peperomia		21
Plantae	Flora	Petermanniaceae	6017	*Petermannia cirrosa*				1
Plantae	Flora	Philydraceae	7065	*Philydrum lanuginosum*		Frogsmouth		88
Plantae	Flora	Phormiaceae	3540	*Dianella caerulea*		Blue Flax-lily		316
Plantae	Flora	Phormiaceae	6811	*Dianella caerulea var. assera*				7
Plantae	Flora	Phormiaceae	6700	*Dianella caerulea var. caerulea*				19
Plantae	Flora	Phormiaceae	7337	*Dianella caerulea var. producta*				46
Plantae	Flora	Phormiaceae	7344	*Dianella caerulea var. vannata*				6
Plantae	Flora	Phormiaceae	7864	*Dianella congesta*				6
Plantae	Flora	Phormiaceae	7865	*Dianella crinoides*				8
Plantae	Flora	Phormiaceae	7783	*Dianella longifolia*		Blueberry Lily		5
Plantae	Flora	Phormiaceae	8725	*Dianella longifolia var. longifolia*		A Blue Flax Lily		5
Plantae	Flora	Phormiaceae	3542	*Dianella revoluta*		Blueberry Lily		9
Plantae	Flora	Phormiaceae	7580	*Dianella revoluta var. revoluta*		A Blue Flax Lily		2
Plantae	Flora	Phormiaceae	DIAN	*Dianella spp.*				2
Plantae	Flora	Phormiaceae	3543	*Dianella tasmanica*				4
Plantae	Flora	Phormiaceae	7664	*Thelionema caespitosum*		Tufted Blue-lily		12
Plantae	Flora	Phormiaceae	8301	*Thelionema grande*				1
Plantae	Flora	Phyllanthaceae	2675	*Actephila lindleyi*		Actephila		7
Plantae	Flora	Phyllanthaceae	2695	*Breynia oblongifolia*		Coffee Bush		299
Plantae	Flora	Phyllanthaceae	2696	*Bridelia exaltata*		Brush Ironbark		5
Plantae	Flora	Phyllanthaceae	7866	*Glochidion ferdinandi*		Cheese Tree		224
Plantae	Flora	Phyllanthaceae	9360	*Glochidion ferdinandi var. ferdinandi*		Cheese Tree		57

Plantae	Flora	Phyllanthaceae	8821	*Glochidion ferdinandi var. pubens*		Hairy Cheese Tree		2
Plantae	Flora	Phyllanthaceae	2746	*Phyllanthus gunnii*				26
Plantae	Flora	Phyllanthaceae	8216	*Phyllanthus hirtellus*		Thyme Spurge		2
Plantae	Flora	Phyllanthaceae	6676	*Phyllanthus similis*				5
Plantae	Flora	Phyllanthaceae	PHYL	*Phyllanthus spp.*	*			2
Plantae	Flora	Phyllanthaceae	2751	*Phyllanthus tenellus*	*	Hen and Chicken		2
Plantae	Flora	Phyllanthaceae	2753	*Poranthera corymbosa*				1
Plantae	Flora	Phyllanthaceae	7395	*Poranthera microphylla*		Small Poranthera		18
Plantae	Flora	Phytolaccaceae	4657	*Phytolacca americana*	*	Poke Root		1
Plantae	Flora	Phytolaccaceae	4658	*Phytolacca octandra*	*	Inkweed		23
Plantae	Flora	Phytolaccaceae	4659	*Rivina humilis*	*	Coral Berry		1
Plantae	Flora	Pinaceae	11138	*Pinus elliottii*	*	Slash Pine		10
Plantae	Flora	Pinaceae	4661	*Pinus radiata*	*	Radiata Pine		5
Plantae	Flora	Pinaceae	PINU	*Pinus spp.*	*			3
Plantae	Flora	Piperaceae	13385	*Piper hederaceum var. hederaceum*		Giant Pepper Vine		25
Plantae	Flora	Pittosporaceae	12233	*Billardiera rubens*				1
Plantae	Flora	Pittosporaceae	4671	*Billardiera scandens*		Hairy Apple Berry		191
Plantae	Flora	Pittosporaceae	4673	*Bursaria longisepala*				1
Plantae	Flora	Pittosporaceae	4674	*Bursaria spinosa*		Native Blackthorn		12
Plantae	Flora	Pittosporaceae	11018	*Bursaria spinosa subsp. spinosa*		Native Blackthorn		5
Plantae	Flora	Pittosporaceae	4678	*Hymenosporum flavum*		Native Frangipani		21
Plantae	Flora	Pittosporaceae	11204	*Pittosporum multiflorum*		Orange Thorn		166
Plantae	Flora	Pittosporaceae	4683	*Pittosporum revolutum*		Rough Fruit Pittosporum		176
Plantae	Flora	Pittosporaceae	11205	*Pittosporum spinescens*		Wallaby Apple		4
Plantae	Flora	Pittosporaceae	4685	*Pittosporum undulatum*		Sweet Pittosporum		153
Plantae	Flora	Plantaginaceae	4691	*Plantago debilis*		Shade Plantain		21
Plantae	Flora	Plantaginaceae	4699	*Plantago lanceolata*	*	Lamb's Tongues		67
Plantae	Flora	Plantaginaceae	4700	*Plantago major*	*	Large Plantain		1
Plantae	Flora	Plantaginaceae	6003	*Veronica calycina*		Hairy Speedwell		1
Plantae	Flora	Plantaginaceae	13397	*Veronica grosseserrata*				4
Plantae	Flora	Plantaginaceae	6008	*Veronica persica*	*	Creeping Speedwell		1
Plantae	Flora	Plantaginaceae	6009	*Veronica plebeia*		Trailing Speedwell		8
Plantae	Flora	Poaceae	4721	*Agrostis capillaris*	*	Browntop Bent		2
Plantae	Flora	Poaceae	4728	*Agrostis stolonifera*	*	Creeping Bent		1
Plantae	Flora	Poaceae	AIRA	*Aira spp.*	*	A Hairgrass		1
Plantae	Flora	Poaceae	8979	*Alexfloydia repens*		Floyd's Grass	E1,P	K
Plantae	Flora	Poaceae	4748	*Andropogon virginicus*	*	Whisky Grass		152
Plantae	Flora	Poaceae	4759	*Aristida gracilipes*		Three-awn Speargrass		1
Plantae	Flora	Poaceae	4770	*Aristida ramosa*		Purple Wiregrass		3

Plantae	Flora	Poaceae	ARIS	*Aristida spp.*		A Wiregrass			6	
Plantae	Flora	Poaceae	4773	*Aristida vagans*		Threeawn Speargrass			40	
Plantae	Flora	Poaceae	4774	*Aristida warburgii*					3	
Plantae	Flora	Poaceae	4777	*Arundo donax*	*	Giant Reed			3	
Plantae	Flora	Poaceae	9603	*Austrostipa pubescens*					19	
Plantae	Flora	Poaceae	9918	*Austrostipa ramosissima*		Stout Bamboo Grass			4	
Plantae	Flora	Poaceae	10396	*Austrostipa rudis*					3	
Plantae	Flora	Poaceae	10398	*Austrostipa rudis subsp. nervosa*		A Speargrass			6	
Plantae	Flora	Poaceae	10377	*Austrostipa scabra*		Speargrass			1	
Plantae	Flora	Poaceae	AUSO	*Austrostipa spp.*		A Speargrass			1	
Plantae	Flora	Poaceae	10371	*Austrostipa verticillata*		Slender Bamboo Grass			1	
Plantae	Flora	Poaceae	4780	*Avena fatua*	*	Wild Oats			2	
Plantae	Flora	Poaceae	4785	*Axonopus compressus*	*	Broad-leaved Carpet Grass			3	
Plantae	Flora	Poaceae	11194	*Axonopus fissifolius*	*	Narrow-leafed Carpet Grass			118	
Plantae	Flora	Poaceae	4787	*Bothriochloa biloba*		Lobed Bluegrass			K	
Plantae	Flora	Poaceae	10346	*Bothriochloa bladhii subsp. bladhii*		Forest Bluegrass			1	
Plantae	Flora	Poaceae	4790	*Bothriochloa macra*		Red Grass			7	
Plantae	Flora	Poaceae	4800	*Briza maxima*	*	Quaking Grass			26	
Plantae	Flora	Poaceae	4801	*Briza minor*	*	Shivery Grass			30	
Plantae	Flora	Poaceae	7813	*Bromus catharticus*	*	Praire Grass			21	
Plantae	Flora	Poaceae	4807	*Bromus hordeaceus*	*	Soft Brome			1	
Plantae	Flora	Poaceae	4811	*Bromus molliformis*	*	Soft Brome			1	
Plantae	Flora	Poaceae	4821	*Capillipedium spicigerum*		Scented-top Grass			3	
Plantae	Flora	Poaceae	4823	*Cenchrus caliculatus*		Hillside Burrgrass			5	
Plantae	Flora	Poaceae	9129	*Cenchrus species A*					2	
Plantae	Flora	Poaceae	4831	*Chloris gayana*	*	Rhodes Grass			87	
Plantae	Flora	Poaceae	4833	*Chloris truncata*		Windmill Grass			1	
Plantae	Flora	Poaceae	4834	*Chloris ventricosa*		Tall Chloris			2	
Plantae	Flora	Poaceae	6655	*Chloris virgata*	*	Feathertop Rhodes Grass			1	
Plantae	Flora	Poaceae	4838	*Coix lacryma-jobi*	*	Job's Tears			1	
Plantae	Flora	Poaceae	4841	*Cymbopogon refractus*		Barbed Wire Grass			113	
Plantae	Flora	Poaceae	6540	*Cynodon dactylon*		Common Couch			105	
Plantae	Flora	Poaceae	CYND	*Cynodon spp.*	*				11	
Plantae	Flora	Poaceae	4881	*Deyeuxia decipiens*		Devious Bent-grass			2	
Plantae	Flora	Poaceae	4883	*Deyeuxia gunniana*					3	
Plantae	Flora	Poaceae	4885	*Deyeuxia mckiei*					1	
Plantae	Flora	Poaceae	4890	*Deyeuxia parviseta*					5	
Plantae	Flora	Poaceae	4891	*Deyeuxia quadriseta*					1	
Plantae	Flora	Poaceae	4892	*Deyeuxia reflexa*					1	
Plantae	Flora	Poaceae	4893	*Deyeuxia rodwayi*					1	
Plantae	Flora	Poaceae	7485	*Dichanthium sericeum*		Queensland Bluegrass			2	
Plantae	Flora	Poaceae	7645	*Dichanthium sericeum subsp. sericeum*		Queensland Bluegrass			2	
Plantae	Flora	Poaceae	4895	*Dichanthium setosum*		Bluegrass	V,P	V	P	
Plantae	Flora	Poaceae	4896	*Dichanthium tenue*		Small Bluegrass			1	
Plantae	Flora	Poaceae	4898	*Dichelachne micrantha*		Shorthair Plumegrass			33	
Plantae	Flora	Poaceae	4902	*Digitaria breviglumis*					5	
Plantae	Flora	Poaceae	6554	*Digitaria ciliaris*	*	Summer Grass			1	
Plantae	Flora	Poaceae	4904	*Digitaria didactyla*		Queensland Blue Couch			6	
Plantae	Flora	Poaceae	4905	*Digitaria diffusa*		Open Summer-grass			1	
Plantae	Flora	Poaceae	4913	*Digitaria parviflora*		Small-flowered Finger Grass			76	
Plantae	Flora	Poaceae	4915	*Digitaria ramularis*		Finger Panic Grass			1	
Plantae	Flora	Poaceae	6937	*Digitaria sanguinalis*	*	Crab Grass			1	
Plantae	Flora	Poaceae	DIGI	*Digitaria spp.*	*	A Finger Grass			8	
Plantae	Flora	Poaceae	4918	*Digitaria violascens*	*				3	
Plantae	Flora	Poaceae	4923	*Echinochloa crus-galli*	*	Barnyard Grass			2	
Plantae	Flora	Poaceae	9330	*Echinochloa esculenta*	*	Japanese Millet			2	
Plantae	Flora	Poaceae	4929	*Echinopogon caespitosus*		Bushy Hedgehog-grass			42	

Plantae	Flora	Poaceae	7593	*Echinopogon caespitosus var. caespitosus*		Tufted Hedgehog Grass	37
Plantae	Flora	Poaceae	4932	*Echinopogon mckiei*			1
Plantae	Flora	Poaceae	4933	*Echinopogon nutans*			2
Plantae	Flora	Poaceae	4934	*Echinopogon ovatus*		Forest Hedgehog Grass	57
Plantae	Flora	Poaceae	ECHN	*Echinopogon spp.*		A Hedgehog Grass	4
Plantae	Flora	Poaceae	4937	*Ehrharta erecta*	*	Panic Veldtgrass	7
Plantae	Flora	Poaceae	EHRH	*Ehrharta spp.*	*	Veldtgrass	1
Plantae	Flora	Poaceae	7196	*Eleusine indica*	*	Crowsfoot Grass	2
Plantae	Flora	Poaceae	4940	*Eleusine tristachya*	*	Goose Grass	1
Plantae	Flora	Poaceae	13431	*Elymus repens*	*	English Couch	1
Plantae	Flora	Poaceae	4946	*Entolasia marginata*		Bordered Panic	144
Plantae	Flora	Poaceae	ENTO	*Entolasia spp.*			2
Plantae	Flora	Poaceae	4947	*Entolasia stricta*		Wiry Panic	287
Plantae	Flora	Poaceae	7578	*Eragrostis benthamii*			6
Plantae	Flora	Poaceae	7921	*Eragrostis brownii*		Brown's Lovegrass	59
Plantae	Flora	Poaceae	6387	*Eragrostis cilianensis*	*	Stinkgrass	1
Plantae	Flora	Poaceae	4952	*Eragrostis curvula*	*	African Lovegrass	6
Plantae	Flora	Poaceae	4955	*Eragrostis elongata*		Clustered Lovegrass	5
Plantae	Flora	Poaceae	7483	*Eragrostis leptocarpa*		Drooping Lovegrass	2
Plantae	Flora	Poaceae	4960	*Eragrostis leptostachya*		Paddock Lovegrass	16
Plantae	Flora	Poaceae	4967	*Eragrostis parviflora*		Weeping Lovegrass	2
Plantae	Flora	Poaceae	4972	*Eragrostis sororia*			1
Plantae	Flora	Poaceae	9693	*Eragrostis spartinoides*			2
Plantae	Flora	Poaceae	ERAG	*Eragrostis spp.*	*	A Lovegrass	18
Plantae	Flora	Poaceae	4974	*Eragrostis tenuifolia*	*	Elastic Grass	13
Plantae	Flora	Poaceae	7228	*Eriochloa procera*		Spring Grass	1
Plantae	Flora	Poaceae	7335	*Eriochloa pseudoacrotricha*		Early Spring Grass	1
Plantae	Flora	Poaceae	FEST	*Festuca spp.*	*		3
Plantae	Flora	Poaceae	5001	*Hemarthria uncinata*		Matgrass	8
Plantae	Flora	Poaceae	7871	*Hemarthria uncinata var. uncinata*			4
Plantae	Flora	Poaceae	5002	*Hierochloe rariflora*		Scented Holygrass	6
Plantae	Flora	Poaceae	13882	*Hordeum murinum*	*	Barley-grass	1
Plantae	Flora	Poaceae	6803	*Imperata cylindrica*		Blady Grass	341
Plantae	Flora	Poaceae	5017	*Isachne globosa*		Swamp Millet	17
Plantae	Flora	Poaceae	6867	*Ischaemum australe*			15
Plantae	Flora	Poaceae	9278	*Ischaemum australe var. australe*			2
Plantae	Flora	Poaceae	9320	*Ischaemum australe var. villosum*			1
Plantae	Flora	Poaceae	5018	*Ischaemum triticeum*			10
Plantae	Flora	Poaceae	11394	*Lachnagrostis aemula*		Blowngrass	3
Plantae	Flora	Poaceae	11387	*Lachnagrostis billardierei subsp. billardierei*			3
Plantae	Flora	Poaceae	11388	*Lachnagrostis filiformis*			12
Plantae	Flora	Poaceae	LACH	*Lachnagrostis spp.*			1
Plantae	Flora	Poaceae	5024	*Leersia hexandra*		Swamp Ricegrass	7
Plantae	Flora	Poaceae	9414	*Lepturus repens*			4
Plantae	Flora	Poaceae	5032	*Lolium perenne*	*	Perennial Ryegrass	2
Plantae	Flora	Poaceae	5033	*Lolium rigidum*	*	Wimmera Ryegrass	1
Plantae	Flora	Poaceae	LOLI	*Lolium spp.*	*	A Ryegrass	4
Plantae	Flora	Poaceae	14001	*Megathyrsus maximus*	*		3
Plantae	Flora	Poaceae	12592	*Megathyrsus maximus var. maximus*	*		2
Plantae	Flora	Poaceae	7291	*Melinis minutiflora*	*	Molasses Grass	1
Plantae	Flora	Poaceae	10904	*Melinis repens*	*	Red Natal Grass	14
Plantae	Flora	Poaceae	5037	*Microlaena stipoides*		Weeping Grass	59
Plantae	Flora	Poaceae	7707	*Microlaena stipoides var. stipoides*		Weeping Grass	40

Plantae	Flora	Poaceae	5038	*Microstegium nudum*	*		1
Plantae	Flora	Poaceae	12038	*Monachather paradoxus*		Bandicoot Grass	2
Plantae	Flora	Poaceae	5041	*Nassella trichotoma*	*	Serrated Tussock	1
Plantae	Flora	Poaceae	5044	*Oplismenus aemulus*			169
Plantae	Flora	Poaceae	5045	*Oplismenus imbecillis*			175
Plantae	Flora	Poaceae	OPLI	*Oplismenus spp.*			1
Plantae	Flora	Poaceae	5048	*Ottochloa gracillima*			77
Plantae	Flora	Poaceae	5055	*Panicum effusum*		Hairy Panic	5
Plantae	Flora	Poaceae	5056	*Panicum lachnophyllum*		Don't Panic	1
Plantae	Flora	Poaceae	5059	*Panicum miliaceum*	*	French Millet	1
Plantae	Flora	Poaceae	5063	*Panicum pygmaeum*		Pygmy Panic	17
Plantae	Flora	Poaceae	5064	*Panicum queenslandicum*		Yadbila Grass	1
Plantae	Flora	Poaceae	9331	*Panicum queenslandicum var. queenslandicum*		Yabila Grass	1
Plantae	Flora	Poaceae	5065	*Panicum repens*	*	Torpedo Grass	7
Plantae	Flora	Poaceae	5066	*Panicum simile*		Two-colour Panic	77
Plantae	Flora	Poaceae	PANI	*Panicum spp.*		Panicum	4
Plantae	Flora	Poaceae	5078	*Paspalidium criniforme*			2
Plantae	Flora	Poaceae	7172	*Paspalidium distans*			27
Plantae	Flora	Poaceae	PASA	*Paspalidium spp.*			1
Plantae	Flora	Poaceae	5086	*Paspalum dilatatum*	*	Paspalum	149
Plantae	Flora	Poaceae	5087	*Paspalum distichum*		Water Couch	12
Plantae	Flora	Poaceae	12421	*Paspalum mandiocanum*	*	Broadleaf Paspalum	59
Plantae	Flora	Poaceae	5088	*Paspalum notatum*	*	Bahia Grass	2
Plantae	Flora	Poaceae	5089	*Paspalum orbiculare*		Ditch Millet	22
Plantae	Flora	Poaceae	5092	*Paspalum quadrifarium*	*	Tussock Paspalum	1
Plantae	Flora	Poaceae	PASP	*Paspalum spp.*	*		10
Plantae	Flora	Poaceae	5093	*Paspalum urvillei*	*	Vasey Grass	76
Plantae	Flora	Poaceae	6563	*Paspalum vaginatum*		Salt-water Couch	1
Plantae	Flora	Poaceae	5096	*Pennisetum clandestinum*	*	Kikuyu Grass	88
Plantae	Flora	Poaceae	5108	*Phalaris canariensis*	*	Canary Grass	1
Plantae	Flora	Poaceae	5113	*Phragmites australis*		Common Reed	28
Plantae	Flora	Poaceae	5120	*Poa affinis*			1
Plantae	Flora	Poaceae	5121	*Poa annua*	*	Winter Grass	4
Plantae	Flora	Poaceae	11196	*Poa labillardierei var. labillardierei*		Tussock	36
Plantae	Flora	Poaceae	5134	*Poa meionectes*			4
Plantae	Flora	Poaceae	11143	*Poa poiformis var. poiformis*			1
Plantae	Flora	Poaceae	5139	*Poa queenslandica*		Queensland Grass	4
Plantae	Flora	Poaceae	5141	*Poa sieberiana*		Snowgrass	99
Plantae	Flora	Poaceae	8742	*Poa sieberiana var. sieberiana*		Snowgrass	15
Plantae	Flora	Poaceae	POA	*Poa spp.*	*		13
Plantae	Flora	Poaceae	13463	*Polypogon lutosus*	*	Perennial Beardgrass	1
Plantae	Flora	Poaceae	5145	*Polypogon monspeliensis*	*	Annual Beardgrass	1
Plantae	Flora	Poaceae	5146	*Potamophila parviflora*			9
Plantae	Flora	Poaceae	5147	*Pseudoraphis paradoxa*		Slender Mudgrass	1
Plantae	Flora	Poaceae	7878	*Rostraria cristata*	*	Annual Cat's Tail	1
Plantae	Flora	Poaceae	14304	*Rytidosperma bipartitum*		Wallaby Grass	1
Plantae	Flora	Poaceae	14305	*Rytidosperma caespitosum*		Ringed Wallaby Grass	1
Plantae	Flora	Poaceae	14312	*Rytidosperma longifolium*		Long-leaved Wallaby Grass	3
Plantae	Flora	Poaceae	14313	*Rytidosperma monticola*		Mountain Wallaby Grass	2

Plantae	Flora	Poaceae	14317	*Rytidosperma racemosum*		Wallaby Grass	2
Plantae	Flora	Poaceae	RYTI	*Rytidosperma spp.*			2
Plantae	Flora	Poaceae	5155	*Sacciolepis indica*		Indian Cupscale Grass	9
Plantae	Flora	Poaceae	5165	*Setaria palmifolia*	*	Palm Grass	4
Plantae	Flora	Poaceae	13468	*Setaria parviflora*	*		10
Plantae	Flora	Poaceae	7842	*Setaria pumila*	*	Pale Pigeon Grass	25
Plantae	Flora	Poaceae	5167	*Setaria sphacelata*	*	South African Pigeon Grass	103
Plantae	Flora	Poaceae	SETA	*Setaria spp.*	*		15
Plantae	Flora	Poaceae	5169	*Setaria verticillata*	*	Whorled Pigeon Grass	10
Plantae	Flora	Poaceae	5172	*Sorghum halepense*	*	Johnson Grass	2
Plantae	Flora	Poaceae	5173	*Sorghum leiocladum*		Wild Sorghum	5
Plantae	Flora	Poaceae	7843	*Spinifex sericeus*		Hairy Spinifex	1
Plantae	Flora	Poaceae	5176	*Sporobolus africanus*	*	Parramatta Grass	31
Plantae	Flora	Poaceae	5179	*Sporobolus creber*		Slender Rat's Tail Grass	4
Plantae	Flora	Poaceae	5180	*Sporobolus diander*			1
Plantae	Flora	Poaceae	5181	*Sporobolus elongatus*		Slender Rat's Tail Grass	3
Plantae	Flora	Poaceae	11172	*Sporobolus fertilis*	*	Giant Parramatta Grass	10
Plantae	Flora	Poaceae	6543	*Sporobolus indicus*	*	Parramatta Grass	11
Plantae	Flora	Poaceae	12529	*Sporobolus laxus*			1
Plantae	Flora	Poaceae	SPOR	*Sporobolus spp.*	*	Rat's Tail Couch	10
Plantae	Flora	Poaceae	5184	*Sporobolus virginicus*			8
Plantae	Flora	Poaceae	9224	*Sporobolus virginicus var. minor*		Marine Couch	7
Plantae	Flora	Poaceae	5185	*Stenotaphrum secundatum*	*	Buffalo Grass	13
Plantae	Flora	Poaceae	5217	*Tetrarrhena juncea*		Wiry Ricegrass	1
Plantae	Flora	Poaceae	7993	*Tetrarrhena turfosa*			2
Plantae	Flora	Poaceae	7770	*Themeda triandra*			233
Plantae	Flora	Poaceae	5237	*Urochloa panicoides*	*	Urochloa Grass	1
Plantae	Flora	Poaceae	5239	*Vulpia bromoides*	*	Squirrel Tail Fesque	1
Plantae	Flora	Poaceae	5243	*Zoysia macrantha*		Prickly Couch	9
Plantae	Flora	Podocarpaceae	5246	*Podocarpus elatus*		Plum Pine	10
Plantae	Flora	Podocarpaceae	5248	*Podocarpus spinulosus*		Spiny-leaf Podocarp	1
Plantae	Flora	Polygalaceae	5252	*Comesperma defoliatum*			2
Plantae	Flora	Polygalaceae	5253	*Comesperma ericinum*		Pyramid Flower	26
Plantae	Flora	Polygalaceae	5256	*Comesperma sphaerocarpum*			2
Plantae	Flora	Polygalaceae	5257	*Comesperma volubile*			6
Plantae	Flora	Polygalaceae	5259	*Polygala japonica*		Dwarf Milkwort	2
Plantae	Flora	Polygalaceae	5261	*Polygala myrtifolia*	*		7
Plantae	Flora	Polygalaceae	8894	*Polygala paniculata*	*		1
Plantae	Flora	Polygalaceae	5262	*Polygala virgata*	*		2
Plantae	Flora	Polygonaceae	5263	*Acetosa sagittata*	*	Rambling Dock	2
Plantae	Flora	Polygonaceae	5265	*Acetosella vulgaris*	*	Sheep Sorrel	2
Plantae	Flora	Polygonaceae	5266	*Emex australis*	*	Spiny Emex	1
Plantae	Flora	Polygonaceae	5268	*Fallopia convolvulus*	*	Black Bindweed	3
Plantae	Flora	Polygonaceae	5274	*Muehlenbeckia gracillima*		Slender Lignum	5
Plantae	Flora	Polygonaceae	5276	*Muehlenbeckia rhyticarya*		Wrinkle-nut Lignum	1
Plantae	Flora	Polygonaceae	7568	*Persicaria decipiens*		Slender Knotweed	24
Plantae	Flora	Polygonaceae	5279	*Persicaria dichotoma*			8
Plantae	Flora	Polygonaceae	5281	*Persicaria hydropiper*		Water Pepper	15
Plantae	Flora	Polygonaceae	5282	*Persicaria lapathifolia*		Pale Knotweed	4
Plantae	Flora	Polygonaceae	5284	*Persicaria orientalis*		Princes Feathers	3
Plantae	Flora	Polygonaceae	8887	*Persicaria praetermissa*			10
Plantae	Flora	Polygonaceae	PERC	*Persicaria spp.*	*	Knotweed	2
Plantae	Flora	Polygonaceae	5286	*Persicaria strigosa*			48
Plantae	Flora	Polygonaceae	POLG	*Polygonum spp.*	*		1
Plantae	Flora	Polygonaceae	5296	*Rumex brownii*		Swamp Dock	4
Plantae	Flora	Polygonaceae	5297	*Rumex conglomeratus*	*	Clustered Dock	1
Plantae	Flora	Polygonaceae	5298	*Rumex crispus*	*	Curled Dock	2

Plantae	Flora	Polygonaceae	RUME	*Rumex spp.*	*	Dock			5	
Plantae	Flora	Polypodiaceae	8155	*Dictymia brownii*		Strap Fern			40	
Plantae	Flora	Polypodiaceae	9041	*Microsorum pustulatum*		Kangaroo Fern			5	
Plantae	Flora	Polypodiaceae	11009	*Microsorum pustulatum subsp. pustulatum*					2	
Plantae	Flora	Polypodiaceae	8158	*Microsorum scandens*		Fragrant Fern			43	
Plantae	Flora	Polypodiaceae	8159	*Platycerium bifurcatum*		Elkhorn Fern	P		104	
Plantae	Flora	Polypodiaceae	8161	*Platycerium superbum*		Staghorn	P		21	
Plantae	Flora	Polypodiaceae	11148	*Pyrrosia confluens var. confluens*		Horseshoe Felt Fern			55	
Plantae	Flora	Polypodiaceae	8163	*Pyrrosia rupestris*		Rock Felt Fern			49	
Plantae	Flora	Polypodiaceae	PYRR	*Pyrrosia spp.*					4	
Plantae	Flora	Pontederiaceae	5305	*Eichhornia crassipes*	*	Water Hyacinth			1	
Plantae	Flora	Portulacaceae	5324	*Portulaca oleracea*		Pigweed			2	
Plantae	Flora	Potamogetonaceae	5331	*Potamogeton ochreatus*		Blunt Pondweed			4	
Plantae	Flora	Potamogetonaceae	13488	*Potamogeton octandrus*					3	
Plantae	Flora	Potamogetonaceae	5333	*Potamogeton perfoliatus*		Clasped Pondweed			1	
Plantae	Flora	Potamogetonaceae	7023	*Potamogeton tricarinatus*		Floating Pondweed			4	
Plantae	Flora	Primulaceae	5337	*Samolus repens*		Creeping Brookweed			3	
Plantae	Flora	Proteaceae	5339	*Banksia aemula*		Wallum Banksia			26	
Plantae	Flora	Proteaceae	11822	*^Banksia conferta subsp. conferta*			E4A,P,2		K	
Plantae	Flora	Proteaceae	8595	*Banksia cunninghamii*					2	
Plantae	Flora	Proteaceae	5342	*Banksia ericifolia*		Heath-leaved Banksia			24	
Plantae	Flora	Proteaceae	11050	*Banksia ericifolia subsp. macrantha*					19	
Plantae	Flora	Proteaceae	5343	*Banksia integrifolia*		Coast Banksia			66	
Plantae	Flora	Proteaceae	6603	*Banksia integrifolia subsp. integrifolia*		Coastal Banksia			26	
Plantae	Flora	Proteaceae	10817	*Banksia integrifolia subsp. monticola*					27	
Plantae	Flora	Proteaceae	5344	*Banksia marginata*		Silver Banksia			7	
Plantae	Flora	Proteaceae	14554	*Banksia neoanglica*		New England Banksia			1	
Plantae	Flora	Proteaceae	5345	*Banksia oblongifolia*		Fern-leaved Banksia			31	
Plantae	Flora	Proteaceae	5347	*Banksia robur*		Swamp Banksia			26	
Plantae	Flora	Proteaceae	5348	*Banksia serrata*		Old-man Banksia			20	
Plantae	Flora	Proteaceae	5349	*Banksia spinulosa*		Hairpin Banksia	P		34	
Plantae	Flora	Proteaceae	7509	*Banksia spinulosa var. collina*			P		43	
Plantae	Flora	Proteaceae	7488	*Banksia spinulosa var. spinulosa*			P		1	
Plantae	Flora	Proteaceae	BANK	*Banksia spp.*					5	
Plantae	Flora	Proteaceae	5352	*Conospermum taxifolium*		Variable Smoke-bush			13	
Plantae	Flora	Proteaceae	8768	*Grevillea acanthifolia subsp. stenomera*					2	
Plantae	Flora	Proteaceae	5365	*^^Grevillea caleyi*		Caley's Grevillea	E4A,P,3	E	1	
Plantae	Flora	Proteaceae	9480	*Grevillea guthrieana*		Guthrie's Grevillea	E1,P	E	K	
Plantae	Flora	Proteaceae	8306	*Grevillea linsmithii*					16	
Plantae	Flora	Proteaceae	5396	*Grevillea robusta*		Silky Oak			18	
Plantae	Flora	Proteaceae	GREV	*Grevillea spp.*					8	
Plantae	Flora	Proteaceae	10801	*^^Hakea archaeoides*		Big Nellie Hakea	V,P,3	V	14	
Plantae	Flora	Proteaceae	5409	*Hakea dactyloides*		Finger Hakea			3	
Plantae	Flora	Proteaceae	5412	*Hakea eriantha*					13	

Plantae	Flora	Proteaceae	5414	*Hakea fraseri*		Gorge Hakea	V,P	V	K
Plantae	Flora	Proteaceae	11254	*Hakea laevipes*					2
Plantae	Flora	Proteaceae	10804	*Hakea laevipes subsp. laevipes*					1
Plantae	Flora	Proteaceae	5420	*Hakea microcarpa*		Small-fruited Hakea			3
Plantae	Flora	Proteaceae	5424	*Hakea salicifolia*		Willow-leaved Hakea			18
Plantae	Flora	Proteaceae	10806	*Hakea salicifolia subsp. salicifolia*					5
Plantae	Flora	Proteaceae	5427	*Hakea teretifolia*		Needlebush			26
Plantae	Flora	Proteaceae	10808	*Hakea teretifolia subsp. teretifolia*					8
Plantae	Flora	Proteaceae	5431	*Helicia glabriflora*		Smooth Helicia			3
Plantae	Flora	Proteaceae	5433	*Isopogon anemonifolius*		Broad-leaf Drumsticks	P		12
Plantae	Flora	Proteaceae	5441	*Lomatia arborescens*		Tree Lomatia			9
Plantae	Flora	Proteaceae	5442	*Lomatia fraseri*		Silky Lomatia			5
Plantae	Flora	Proteaceae	5444	*Lomatia myricoides*		River Lomatia			1
Plantae	Flora	Proteaceae	5445	*Lomatia silaifolia*		Crinkle Bush	P		104
Plantae	Flora	Proteaceae	9680	*Macadamia integrifolia*		Macadamia Nut	P	V	1
Plantae	Flora	Proteaceae	5448	*Orites excelsus*		Prickly Ash			96
Plantae	Flora	Proteaceae	8716	*Persoonia acuminata*			P		3
Plantae	Flora	Proteaceae	5452	*Persoonia chamaepeuce*			P		1
Plantae	Flora	Proteaceae	8597	*Persoonia conjuncta*			P		44
Plantae	Flora	Proteaceae	5455	*Persoonia cornifolia*			P		12
Plantae	Flora	Proteaceae	9598	*Persoonia katerae*			P		8
Plantae	Flora	Proteaceae	5460	*Persoonia lanceolata*		Lance Leaf Geebung	P		7
Plantae	Flora	Proteaceae	5462	*Persoonia levis*		Broad-leaved Geebung	P		77
Plantae	Flora	Proteaceae	5463	*Persoonia linearis*		Narrow-leaved Geebung	P		147
Plantae	Flora	Proteaceae	8684	*Persoonia media*			P		79
Plantae	Flora	Proteaceae	8698	*Persoonia oleoides*			P		1
Plantae	Flora	Proteaceae	5472	*Persoonia sericea*			P		2
Plantae	Flora	Proteaceae	PERS	*Persoonia spp.*			P		5
Plantae	Flora	Proteaceae	8596	*Persoonia stradbrokensis*			P		55
Plantae	Flora	Proteaceae	5476	*Persoonia virgata*			P		9
Plantae	Flora	Proteaceae	5477	*Petrophile canescens*		Conesticks	P		8
Plantae	Flora	Proteaceae	5479	*Petrophile pulchella*		Conesticks	P		6
Plantae	Flora	Proteaceae	PETO	*Petrophile spp.*			P		1
Plantae	Flora	Proteaceae	5481	*Stenocarpus salignus*		Scrub Beefwood			23
Plantae	Flora	Proteaceae	5485	*Symphionema paludosum*					2
Plantae	Flora	Proteaceae	5490	*Xylomelum pyriforme*		Woody Pear	P		22
Plantae	Flora	Psilotaceae	8165	*Psilotum nudum*		Skeleton Fork-Fern			7
Plantae	Flora	Psilotaceae	8168	*Tmesipteris ovata*			P		2
Plantae	Flora	Psilotaceae	8169	*Tmesipteris parva*			P		1
Plantae	Flora	Pteridaceae	8005	*Cheilanthes austrotenuifolia*		Rock Fern			10
Plantae	Flora	Pteridaceae	6382	*Cheilanthes distans*		Bristly Cloak Fern			4
Plantae	Flora	Pteridaceae	10439	*Cheilanthes sieberi*		Rock Fern			19
Plantae	Flora	Pteridaceae	8007	*Cheilanthes sieberi subsp. sieberi*		Rock Fern			16
Plantae	Flora	Pteridaceae	8457	*Pteris comans*		Hairy Bracken			2
Plantae	Flora	Pteridaceae	8175	*Pteris tremula*		Tender Brake			13
Plantae	Flora	Pteridaceae	8176	*Pteris umbrosa*		Jungle Brake			22
Plantae	Flora	Pucciniaceae	F044	*Uredo rangelii*	*	Myrtle Rust			19
Plantae	Flora	Putranjivaceae	11864	*Drypetes deplanchei*		Yellow Tulipwood			50
Plantae	Flora	Ranunculaceae	5493	*Clematis aristata*		Old Man's Beard			94
Plantae	Flora	Ranunculaceae	5495	*Clematis glycinoides*		Headache Vine			35
Plantae	Flora	Ranunculaceae	13522	*Clematis pickeringii*					1
Plantae	Flora	Ranunculaceae	CLEM	*Clematis spp.*					1

Plantae	Flora	Ranunculaceae	5507	*Ranunculus inundatus*		River Buttercup			34		
Plantae	Flora	Ranunculaceae	5508	*Ranunculus lappaceus*		Common Buttercup			14		
Plantae	Flora	Ranunculaceae	5518	*Ranunculus plebeius*		Forest Buttercup			9		
Plantae	Flora	Ranunculaceae	5521	*Ranunculus repens*	*	Creeping Buttercup			3		
Plantae	Flora	Ranunculaceae	5524	*Ranunculus sceleratus*	*	Celery Buttercup			1		
Plantae	Flora	Ranunculaceae	RANU	*Ranunculus spp.*					4		
Plantae	Flora	Restionaceae	10609	*Baloskion pallens*					8		
Plantae	Flora	Restionaceae	10610	*Baloskion stenocoleum*					3		
Plantae	Flora	Restionaceae	10612	*Baloskion tetraphyllum*					19		
Plantae	Flora	Restionaceae	10614	*Baloskion tetraphyllum subsp. meiostachyum*		Plume Rush			18		
Plantae	Flora	Restionaceae	5532	*Empodisma minus*					29		
Plantae	Flora	Restionaceae	10615	*Eurychorda complanata*					5		
Plantae	Flora	Restionaceae	5533	*Hypolaena fastigiata*					12		
Plantae	Flora	Restionaceae	5534	*Leptocarpus tenax*					21		
Plantae	Flora	Restionaceae	13531	*Lepyrodia imitans*					8		
Plantae	Flora	Restionaceae	5540	*Lepyrodia muelleri*					14		
Plantae	Flora	Restionaceae	5541	*Lepyrodia scariosa*					10		
Plantae	Flora	Restionaceae	LEPY	*Lepyrodia spp.*					1		
Plantae	Flora	Restionaceae	10604	*Sporadanthus interruptus*					8		
Plantae	Flora	Rhamnaceae	7686	*Alphitonia excelsa*		Red Ash			115		
Plantae	Flora	Rhamnaceae	5557	*Cryptandra lanosiflora*		Woolly Cryptandra			2		
Plantae	Flora	Rhamnaceae	5560	*Cryptandra propinqua*					3		
Plantae	Flora	Rhamnaceae	CRYP	*Cryptandra spp.*					1		
Plantae	Flora	Rhamnaceae	5565	*Emmenosperma alphitonioides*		Yellow Ash			14		
Plantae	Flora	Rhamnaceae	9863	*Pomaderris andromedifolia subsp. andromedifolia*					1		
Plantae	Flora	Rhamnaceae	5570	*Pomaderris argyrophylla*		Silver Pomaderris			1		
Plantae	Flora	Rhamnaceae	5571	*Pomaderris aspera*		Hazel Pomaderris			1		
Plantae	Flora	Rhamnaceae	5573	*Pomaderris brunnea*		Brown Pomaderris	E1,P	V	K		
Plantae	Flora	Rhamnaceae	5577	*Pomaderris discolor*					1		
Plantae	Flora	Rhamnaceae	9868	*Pomaderris elliptica subsp. elliptica*					1		
Plantae	Flora	Rhamnaceae	5579	*Pomaderris ferruginea*					7		
Plantae	Flora	Rhamnaceae	7979	*Pomaderris intermedia*					2		
Plantae	Flora	Rhamnaceae	5581	*Pomaderris lanigera*		Woolly Pomaderris			15		
Plantae	Flora	Rhamnaceae	5583	*Pomaderris ligustrina*		Privet Pomaderris			8		
Plantae	Flora	Rhamnaceae	9867	*Pomaderris ligustrina subsp. ligustrina*					4		
Plantae	Flora	Rhamnaceae	5585	*Pomaderris nitidula*		Shining Pomaderris			4		
Plantae	Flora	Rhamnaceae	5592	*Pomaderris queenslandica*		Scant Pomaderris	E1,P		1		
Plantae	Flora	Rhamnaceae	POMA	*Pomaderris spp.*					3		
Plantae	Flora	Rhamnaceae	12323	*Spyridium scortechinii*					7		
Plantae	Flora	Ripogonaceae	6018	*Ripogonum album*		White Supplejack			35		
Plantae	Flora	Ripogonaceae	7368	*Ripogonum brevifolium*		Small-leaved Supplejack			2		
Plantae	Flora	Ripogonaceae	6019	*Ripogonum discolor*		Prickly Supplejack			94		
Plantae	Flora	Ripogonaceae	6020	*Ripogonum elseyanum*		Hairy Supplejack			2		
Plantae	Flora	Ripogonaceae	6021	*Ripogonum fawcettianum*		Small Supplejack			19		

Plantae	Flora	Rosaceae	5604	*Acaena novae-zelandiae*		Bidgee-widgee			1	
Plantae	Flora	Rosaceae	ACAE	*Acaena spp.*		Sheep's Burr			1	
Plantae	Flora	Rosaceae	9938	*Rosa roxburghii*	*	Chestnut Rose			1	
Plantae	Flora	Rosaceae	11733	*Rubus anglocandicans*	*	Blackberry			4	
Plantae	Flora	Rosaceae	11303	*Rubus fruticosus sp. agg.*	*	Blackberry complex			10	
Plantae	Flora	Rosaceae	11587	*Rubus moluccanus*		Molucca Bramble			32	
Plantae	Flora	Rosaceae	10811	*Rubus moluccanus var. moluccanus*					1	
Plantae	Flora	Rosaceae	11236	*Rubus moluccanus var. trilobus*		Molucca Bramble			170	
Plantae	Flora	Rosaceae	9917	*Rubus nebulosus*		Green-leaved Bramble			60	
Plantae	Flora	Rosaceae	5642	*Rubus parvifolius*		Native Raspberry			102	
Plantae	Flora	Rosaceae	5645	*Rubus rosifolius*		Rose-leaf Bramble			60	
Plantae	Flora	Rosaceae	10813	*Rubus rosifolius var. rosifolius*					7	
Plantae	Flora	Rosaceae	12272	*Rubus rugosus*	*	Keribery			1	
Plantae	Flora	Rosaceae	RUBU	*Rubus spp.*	*				1	
Plantae	Flora	Rosaceae	5646	*Rubus ulmifolius*	*	Blackberry			13	
Plantae	Flora	Rosaceae	10573	*Rubus x novus*					1	
Plantae	Flora	Rubiaceae	6744	*Asperula asthenes*		Trailing Woodruff	V,P	V	4	
Plantae	Flora	Rubiaceae	5653	*Asperula conferta*		Common Woodruff			2	
Plantae	Flora	Rubiaceae	5657	*Asperula gunnii*		Mountain Woodruff			1	
Plantae	Flora	Rubiaceae	10865	*Atractocarpus benthamianus*					6	
Plantae	Flora	Rubiaceae	5670	*Coprosma hirtella*		Coffee-berry			1	
Plantae	Flora	Rubiaceae	5675	*Coprosma quadrifida*		Prickly Currant Bush			1	
Plantae	Flora	Rubiaceae	11599	*Cyclophyllum longipetalum*		Coast Canthium			24	
Plantae	Flora	Rubiaceae	6571	*Durringtonia paludosa*					10	
Plantae	Flora	Rubiaceae	12427	*Everistia vacciniifolia var. nervosa*					8	
Plantae	Flora	Rubiaceae	5679	*Galium aparine*	*	Goosegrass			1	
Plantae	Flora	Rubiaceae	5680	*Galium australe*		Tangled Bedstraw	E1,P		K	
Plantae	Flora	Rubiaceae	5681	*Galium binifolium*					7	
Plantae	Flora	Rubiaceae	5684	*Galium gaudichaudii*		Rough Bedstraw			1	
Plantae	Flora	Rubiaceae	13838	*Galium leiocarpum*					1	
Plantae	Flora	Rubiaceae	13893	*Galium leptogonium*					1	
Plantae	Flora	Rubiaceae	5688	*Galium propinquum*		Maori Bedstraw			9	
Plantae	Flora	Rubiaceae	5691	*Hodgkinsonia ovatiflora*					6	
Plantae	Flora	Rubiaceae	11958	*Morinda canthoides*		Veiny Morinda			7	
Plantae	Flora	Rubiaceae	6860	*Morinda jasminoides*		Sweet Morinda			167	
Plantae	Flora	Rubiaceae	12125	*Oldenlandia corymbosa var. corymbosa*	*				1	
Plantae	Flora	Rubiaceae	5697	*Opercularia aspera*		Coarse Stinkweed			13	
Plantae	Flora	Rubiaceae	5698	*Opercularia diphylla*		Stinkweed			6	
Plantae	Flora	Rubiaceae	5699	*Opercularia hispida*		Hairy Stinkweed			6	
Plantae	Flora	Rubiaceae	5703	*Pomax umbellata*		Pomax			66	
Plantae	Flora	Rubiaceae	5706	*Psychotria loniceroides*		Hairy Psychotria			120	
Plantae	Flora	Rubiaceae	11942	*Psydrax odorata*		Shiny-leaved Canthium			1	
Plantae	Flora	Rubiaceae	12315	*Psydrax odorata subsp. buxifolia f. buxifolia*					1	
Plantae	Flora	Rubiaceae	5711	*Richardia brasiliensis*	*	Mexican Clover			2	
Plantae	Flora	Rubiaceae	6682	*Richardia humistrata*	*				4	
Plantae	Flora	Rutaceae	5719	*Acradenia euodiiformis*		Yellow Satinheart			37	
Plantae	Flora	Rutaceae	8418	*Acronychia imperforata*		Logan Apple			12	
Plantae	Flora	Rutaceae	6457	*Acronychia littoralis*		Scented Acronychia	E1,P	E	7	
Plantae	Flora	Rutaceae	5722	*Acronychia oblongifolia*		White Aspen			74	
Plantae	Flora	Rutaceae	12572	*Acronychia spp.*					1	
Plantae	Flora	Rutaceae	5726	*Acronychia wilcoxiana*		Silver Aspen			7	

Plantae	Flora	Rutaceae	5733	*Boronia anemonifolia*			P		1	
Plantae	Flora	Rutaceae	11607	*Boronia anemonifolia subsp. variabilis*		Coast Boronia	P		2	
Plantae	Flora	Rutaceae	9098	*Boronia chartacea*			P		7	
Plantae	Flora	Rutaceae	5739	*Boronia falcifolia*		Wallum Boronia	P		9	
Plantae	Flora	Rutaceae	5745	*Boronia microphylla*		Small-leaved Boronia	P		9	
Plantae	Flora	Rutaceae	5746	*Boronia mollis*		Soft Boronia	P		6	
Plantae	Flora	Rutaceae	5749	*Boronia parviflora*		Swamp Boronia	P		2	
Plantae	Flora	Rutaceae	5750	*Boronia pinnata*			P		30	
Plantae	Flora	Rutaceae	5751	*Boronia polygalifolia*		Dwarf Boronia	P		14	
Plantae	Flora	Rutaceae	5758	*Boronia safrolifera*			P		3	
Plantae	Flora	Rutaceae	BORO	*Boronia spp.*			P		1	
Plantae	Flora	Rutaceae	5762	*Bosistoa floydii*		Five-leaved Bosistoa			6	
Plantae	Flora	Rutaceae	10758	*Citrus x taitensis*	*	Rough Lemon			13	
Plantae	Flora	Rutaceae	11023	*Correa lawrenceana var. macrocalyx*					3	
Plantae	Flora	Rutaceae	8801	*Correa reflexa var. reflexa*		Native Fuschia			2	
Plantae	Flora	Rutaceae	5776	*Eriostemon australasius*			P		3	
Plantae	Flora	Rutaceae	5792	*Flindersia australis*		Crow's Ash			1	
Plantae	Flora	Rutaceae	5796	*Flindersia schottiana*		Cudgerie			5	
Plantae	Flora	Rutaceae	5801	*Geijera salicifolia*		Brush Wilga			12	
Plantae	Flora	Rutaceae	10729	*Leionema elatius*		Tall Phebalium			1	
Plantae	Flora	Rutaceae	10731	*Leionema elatius subsp. beckleri*					5	
Plantae	Flora	Rutaceae	10730	*Leionema elatius subsp. elatius*					2	
Plantae	Flora	Rutaceae	8585	*Melicope hayesii*		Small-leaved Doughwood			5	
Plantae	Flora	Rutaceae	8625	*Melicope micrococca*		Hairy-leaved Doughwood			35	
Plantae	Flora	Rutaceae	9042	*Murraya paniculata*	*				1	
Plantae	Flora	Rutaceae	10742	*Nematolepis squamea subsp. squamea*		Satinwood			24	
Plantae	Flora	Rutaceae	10584	*Philotheca difformis subsp. smithiana*			P		2	
Plantae	Flora	Rutaceae	10989	*Philotheca myoporoides subsp. obovatifolia*		Mountain Wax-flower	E1,P		12	
Plantae	Flora	Rutaceae	5831	*Philotheca salsolifolia*			P		5	
Plantae	Flora	Rutaceae	10596	*Philotheca salsolifolia subsp. salsolifolia*			P		3	
Plantae	Flora	Rutaceae	PHIL	*Philotheca spp.*			P		1	
Plantae	Flora	Rutaceae	8842	*Sarcomelicope simplicifolia subsp. simplicifolia*		Big Yellow Wood			24	
Plantae	Flora	Rutaceae	5834	*Zieria arborescens*		Stinkwood			4	
Plantae	Flora	Rutaceae	9994	*Zieria arborescens subsp. arborescens*					5	
Plantae	Flora	Rutaceae	5836	*Zieria cytisoides*		Downy Zieria			1	
Plantae	Flora	Rutaceae	5838	*Zieria furfuracea*					19	
Plantae	Flora	Rutaceae	5841	*Zieria laevigata*		Smooth Zieria			2	
Plantae	Flora	Rutaceae	9494	*Zieria lasiocaulis*		Willi Willi Zieria	E1,P	E	17	
Plantae	Flora	Rutaceae	8834	*Zieria laxiflora*		Wallum Zieria			5	
Plantae	Flora	Rutaceae	5845	*Zieria pilosa*		Pilose-leafed Zieria			1	
Plantae	Flora	Rutaceae	5847	*Zieria smithii*		Sandfly Zieria			71	
Plantae	Flora	Rutaceae	10045	*Zieria southwellii*					8	
Plantae	Flora	Salicaceae	5848	*Populus alba*	*	White Poplar			1	
Plantae	Flora	Salicaceae	5849	*Populus nigra*	*	Lombardy Poplar			1	
Plantae	Flora	Salicaceae	5851	*Salix babylonica*	*	Weeping Willow			4	
Plantae	Flora	Salicaceae	SALI	*Salix spp.*	*				1	
Plantae	Flora	Salviniaceae	8178	*Salvinia molesta*	*				3	
Plantae	Flora	Santalaceae	5860	*Exocarpos cupressiformis*		Cherry Ballart			88	
Plantae	Flora	Santalaceae	5864	*Exocarpos strictus*		Dwarf Cherry			4	
Plantae	Flora	Santalaceae	5865	*Leptomeria acida*		Sour Currant Bush			4	
Plantae	Flora	Santalaceae	5866	*Leptomeria drupacea*					1	
Plantae	Flora	Santalaceae	5870	*Santalum obtusifolium*		Sandalwood			3	

Plantae	Flora	Santalaceae	5871	*Thesium australe*		Austral Toadflax	V,P	V	7	
Plantae	Flora	Sapindaceae	5872	*Alectryon coriaceus*		Beach Alectryon			10	
Plantae	Flora	Sapindaceae	ALEC	*Alectryon spp.*					2	
Plantae	Flora	Sapindaceae	5875	*Alectryon subcinereus*		Wild Quince			63	
Plantae	Flora	Sapindaceae	7358	*Alectryon subdentatus f. subdentatus*					5	
Plantae	Flora	Sapindaceae	5877	*Alectryon tomentosus*		Hairy Bird's Eye			1	
Plantae	Flora	Sapindaceae	5879	*Arytera divaricata*		Coogera			15	
Plantae	Flora	Sapindaceae	5882	*Cardiospermum grandiflorum*	*	Balloon Vine			1	
Plantae	Flora	Sapindaceae	5884	*Cupaniopsis anacardioides*		Tuckeroo			38	
Plantae	Flora	Sapindaceae	11073	*Cupaniopsis baileyana*					7	
Plantae	Flora	Sapindaceae	5886	*Cupaniopsis parvifolia*		Small-leaved Tuckeroo			14	
Plantae	Flora	Sapindaceae	CUPA	*Cupaniopsis spp.*					3	
Plantae	Flora	Sapindaceae	7432	*Diploglottis australis*		Native Tamarind			71	
Plantae	Flora	Sapindaceae	5899	*Dodonaea megazyga*					16	
Plantae	Flora	Sapindaceae	5901	*Dodonaea multijuga*					2	
Plantae	Flora	Sapindaceae	DODO	*Dodonaea spp.*		A Hopbush			1	
Plantae	Flora	Sapindaceae	5911	*Dodonaea triquetra*		Large-leaf Hop-bush			117	
Plantae	Flora	Sapindaceae	7690	*Dodonaea viscosa subsp. angustifolia*					1	
Plantae	Flora	Sapindaceae	6541	*Dodonaea viscosa subsp. viscosa*					5	
Plantae	Flora	Sapindaceae	5914	*Elattostachys nervosa*		Beetroot Tree			24	
Plantae	Flora	Sapindaceae	5917	*Guioa semiglauca*		Guioa			108	
Plantae	Flora	Sapindaceae	GUIO	*Guioa spp.*					1	
Plantae	Flora	Sapindaceae	5919	*Harpullia hillii*					4	
Plantae	Flora	Sapindaceae	12514	*Jagera pseudorhus var. pseudorhus*		Foambark Tree			40	
Plantae	Flora	Sapindaceae	5925	*Mischocarpus anodontus*					1	
Plantae	Flora	Sapindaceae	8447	*Mischocarpus australis*					9	
Plantae	Flora	Sapindaceae	5926	*Mischocarpus pyriformis*		Yellow Pear-fruit			19	
Plantae	Flora	Sapindaceae	10870	*Rhysotoechia bifoliolata subsp. bifoliolata*		Two-leaved Tuckeroo			28	
Plantae	Flora	Sapindaceae	6452	*Sarcopteryx stipata*		Steelwood			70	
Plantae	Flora	Sapotaceae	11957	*Niemeyera whitei*		Rusty Plum, Plum Boxwood	V,P		K	
Plantae	Flora	Sapotaceae	5936	*Planchonella australis*		Black Apple			53	
Plantae	Flora	Schizaeaceae	8181	*Schizaea bifida*		Forked Comb Fern			15	
Plantae	Flora	Schizaeaceae	8182	*Schizaea dichotoma*		Branched Comb Fern			1	
Plantae	Flora	Scrophulariaceae	5943	*Artanema fimbriatum*					6	
Plantae	Flora	Scrophulariaceae	5945	*Bacopa monnieri*		Bacopa			5	
Plantae	Flora	Scrophulariaceae	5958	*Euphrasia collina*					1	
Plantae	Flora	Scrophulariaceae	7778	*Euphrasia collina subsp. paludosa*		Eyebright			4	
Plantae	Flora	Scrophulariaceae	5966	*Gratiola pedunculata*					1	
Plantae	Flora	Scrophulariaceae	5967	*Gratiola pubescens*		Hairy Brooklime			2	
Plantae	Flora	Scrophulariaceae	GRAT	*Gratiola spp.*					1	
Plantae	Flora	Scrophulariaceae	7558	*Kickxia elatine subsp. crinita*	*	Twining Toadflax			1	
Plantae	Flora	Scrophulariaceae	10216	*Kickxia spuria subsp. integrifolia*	*	Round-leaved Toadflax			1	
Plantae	Flora	Scrophulariaceae	5980	*Lophospermum erubescens*	*				1	
Plantae	Flora	Scrophulariaceae	5999	*Verbascum virgatum*	*	Twiggy Mullein			1	

Plantae	Flora	Selaginellaceae	8187	*Selaginella uliginosa*		Swamp Selaginella		56	
Plantae	Flora	Smilacaceae	7592	*Smilax australis*		Lawyer Vine		268	
Plantae	Flora	Smilacaceae	6022	*Smilax glyciphylla*		Sweet Sarsparilla		156	
Plantae	Flora	Smilacaceae	SMIL	*Smilax spp.*				3	
Plantae	Flora	Solanaceae	6027	*Cestrum parqui*	*	Green Cestrum		3	
Plantae	Flora	Solanaceae	6033	*Datura stramonium*	*	Common Thornapple		1	
Plantae	Flora	Solanaceae	6036	*Duboisia myoporoides*		Corkwood		52	
Plantae	Flora	Solanaceae	6039	*Lycium barbarum*	*	Chinese Boxthorn		1	
Plantae	Flora	Solanaceae	10477	*Nicotiana forsteri*				1	
Plantae	Flora	Solanaceae	6045	*Nicotiana glauca*	*	Tree Tobacco		2	
Plantae	Flora	Solanaceae	6050	*Nicotiana suaveolens*		Native Tobacco		1	
Plantae	Flora	Solanaceae	6056	*Physalis ixocarpa*	*	Ground Cherry		1	
Plantae	Flora	Solanaceae	7823	*Physalis minima*		Wild Gooseberry		1	
Plantae	Flora	Solanaceae	6058	*Physalis peruviana*	*	Cape Gooseberry		10	
Plantae	Flora	Solanaceae	6064	*Solanum amblymerum*				1	
Plantae	Flora	Solanaceae	7043	*Solanum americanum*		Glossy Nightshade		2	
Plantae	Flora	Solanaceae	6065	*Solanum aviculare*		Kangaroo Apple		14	
Plantae	Flora	Solanaceae	6067	*Solanum brownii*		Violet Nightshade		9	
Plantae	Flora	Solanaceae	6069	*Solanum campanulatum*				2	
Plantae	Flora	Solanaceae	7325	*Solanum capsicoides*	*	Devil's Apple		4	
Plantae	Flora	Solanaceae	12137	*Solanum curvicuspe*				11	
Plantae	Flora	Solanaceae	6076	*Solanum densevestitum*				57	
Plantae	Flora	Solanaceae	12294	*Solanum hapalum*				7	
Plantae	Flora	Solanaceae	6084	*Solanum inaequilaterum*				1	
Plantae	Flora	Solanaceae	6090	*Solanum mauritianum*	*	Wild Tobacco Bush		156	
Plantae	Flora	Solanaceae	6091	*Solanum nigrum*	*	Black-berry Nightshade		42	
Plantae	Flora	Solanaceae	6095	*Solanum opacum*		Green-berry Nightshade		1	
Plantae	Flora	Solanaceae	6100	*Solanum prinophyllum*		Forest Nightshade		35	
Plantae	Flora	Solanaceae	6101	*Solanum pseudocapsicum*	*	Madeira Winter Cherry		13	
Plantae	Flora	Solanaceae	6102	*Solanum pungetium*		Eastern Nightshade		1	
Plantae	Flora	Solanaceae	SOLA	*Solanum spp.*	*			10	
Plantae	Flora	Solanaceae	6109	*Solanum stelligerum*		Devil's Needles		15	
Plantae	Flora	Solanaceae	14341	*Solanum sulphureum*			E1,P	P	
Plantae	Flora	Solanaceae	6115	*Solanum vescum*				1	
Plantae	Flora	Solanaceae	12299	*Solanum vicinum*				2	
Plantae	Flora	Sparganiaceae	6767	*Sparganium subglobosum*		Floating Bur-reed		5	
Plantae	Flora	Stackhousiaceae	6120	*Stackhousia monogyna*		Creamy Candles		1	
Plantae	Flora	Stackhousiaceae	6122	*Stackhousia nuda*				1	
Plantae	Flora	Stackhousiaceae	6125	*Stackhousia viminea*		Slender Stackhousia		9	
Plantae	Flora	Strelitziaceae	11725	*Strelitzia nicolai*	*			1	
Plantae	Flora	Stylidiaceae	6154	*Stylidium debile*		Frail Triggerplant		2	
Plantae	Flora	Stylidiaceae	6157	*Stylidium graminifolium*		Grass Triggerplant		10	
Plantae	Flora	Stylidiaceae	6158	*Stylidium laricifolium*		Tree Triggerplant		2	
Plantae	Flora	Stylidiaceae	6160	*Stylidium productum*				1	
Plantae	Flora	Stylidiaceae	STYL	*Stylidium spp.*				1	
Plantae	Flora	Surianaceae	6162	*Guilfoylia monostylis*				12	
Plantae	Flora	Symplocaceae	SYMP	*Symplocos spp.*				1	
Plantae	Flora	Symplocaceae	6165	*Symplocos stawellii*		White Hazelwood		6	
Plantae	Flora	Symplocaceae	6166	*Symplocos thwaitesii*		Buff Hazelwood		10	
Plantae	Flora	Theaceae	CAML	*Camellia spp.*	*			1	
Plantae	Flora	Thelypteridaceae	8189	*Christella hispidula*				1	
Plantae	Flora	Thelypteridaceae	CHRI	*Christella spp.*				1	

Plantae	Flora	Thelypteridaceae	14610	*Cyclosorus dentatus*		Binung		45
Plantae	Flora	Thelypteridaceae	8190	*Cyclosorus interruptus*				5
Plantae	Flora	Thymelaeaceae	PHAL	*Phaleria spp.*				1
Plantae	Flora	Thymelaeaceae	6180	*Pimelea latifolia*				2
Plantae	Flora	Thymelaeaceae	6634	*Pimelea latifolia subsp. altior*				13
Plantae	Flora	Thymelaeaceae	6475	*Pimelea latifolia subsp. hirsuta*				1
Plantae	Flora	Thymelaeaceae	6181	*Pimelea ligustrina*				15
Plantae	Flora	Thymelaeaceae	7643	*Pimelea ligustrina subsp. hypericina*				5
Plantae	Flora	Thymelaeaceae	8676	*Pimelea ligustrina subsp. ligustrina*				4
Plantae	Flora	Thymelaeaceae	6182	*Pimelea linifolia*		Slender Rice Flower		68
Plantae	Flora	Thymelaeaceae	6814	*Pimelea linifolia subsp. linifolia*				38
Plantae	Flora	Thymelaeaceae	6184	*Pimelea neo-anglica*		Poison Pimelea		1
Plantae	Flora	Thymelaeaceae	PIME	*Pimelea spp.*				4
Plantae	Flora	Thymelaeaceae	6197	*Wikstroemia indica*				14
Plantae	Flora	Trimeniaceae	9061	*Trimenia moorei*		Bitter Vine		35
Plantae	Flora	Tropaeolaceae	6215	*Tropaeolum majus*	*	Nasturtium		3
Plantae	Flora	Typhaceae	7224	*Typha domingensis*		Narrow-leaved Cumbungi		1
Plantae	Flora	Typhaceae	6217	*Typha orientalis*		Broad-leaved Cumbungi		21
Plantae	Flora	Typhaceae	TYPH	*Typha spp.*	*			8
Plantae	Flora	Ulmaceae	6218	*Aphananthe philippinensis*		Rough-leaved Elm		24
Plantae	Flora	Ulmaceae	6222	*Celtis paniculata*		Native Celtis		5
Plantae	Flora	Ulmaceae	6761	*Trema tomentosa var. aspera*		Native Peach		45
Plantae	Flora	Winteraceae	6290	*Tasmannia insipida*		Brush Pepperbush		110
Plantae	Flora	Winteraceae	6293	*Tasmannia stipitata*		Northern Pepperbush		7
Plantae	Flora	Urticaceae	6223	*Australina pusilla*				1
Plantae	Flora	Urticaceae	11052	*Boehmeria macrophylla*		Native Ramie		1
Plantae	Flora	Urticaceae	6226	*Dendrocnide excelsa*		Giant Stinging Tree		48
Plantae	Flora	Urticaceae	6228	*Dendrocnide photinophylla*		Shiny-leaved Stinging Tree		11
Plantae	Flora	Urticaceae	6229	*Elatostema reticulatum*				15
Plantae	Flora	Urticaceae	6230	*Elatostema stipitatum*				6
Plantae	Flora	Urticaceae	6236	*Urtica dioica*	*	Giant Nettle		2
Plantae	Flora	Urticaceae	6237	*Urtica incisa*		Stinging Nettle		6
Plantae	Flora	Xanthorrhoeaceae	6315	*Xanthorrhoea arborea*			P	3
Plantae	Flora	Xanthorrhoeaceae	6316	*Xanthorrhoea australis*			P	1
Plantae	Flora	Xanthorrhoeaceae	8771	*Xanthorrhoea fulva*			P	34
Plantae	Flora	Xanthorrhoeaceae	8750	*Xanthorrhoea glauca*			P	5
Plantae	Flora	Xanthorrhoeaceae	8751	*Xanthorrhoea glauca subsp. glauca*			P	9
Plantae	Flora	Xanthorrhoeaceae	6317	*Xanthorrhoea johnsonii*		Johnson's Grass Tree	P	13
Plantae	Flora	Xanthorrhoeaceae	8770	*Xanthorrhoea latifolia*			P	1
Plantae	Flora	Xanthorrhoeaceae	9309	*Xanthorrhoea latifolia subsp. latifolia*			P	6

Plantae	Flora	Xanthorrhoeaceae	6318	*Xanthorrhoea macronema*			P		40	
Plantae	Flora	Xanthorrhoeaceae	8843	*Xanthorrhoea malacophylla*			P		11	
Plantae	Flora	Xanthorrhoeaceae	6319	*Xanthorrhoea media*			P		5	
Plantae	Flora	Xanthorrhoeaceae	6321	*Xanthorrhoea resinosa*			P		1	
Plantae	Flora	Xanthorrhoeaceae	XANT	*Xanthorrhoea spp.*			P		18	
Plantae	Flora	Xyridaceae	7247	*Xyris complanata*					4	
Plantae	Flora	Xyridaceae	6322	*Xyris gracilis*					4	
Plantae	Flora	Xyridaceae	6324	*Xyris operculata*					6	
Plantae	Flora	Uvulariaceae	3566	*Schelhammera undulata*					1	
Plantae	Flora	Uvulariaceae	7346	*Tripladenia cunninghamii*					86	
Plantae	Flora	Zamiaceae	6326	*Lepidozamia peroffskyana*			P		18	
Plantae	Flora	Zamiaceae	6327	*Macrozamia communis*		Burrawang	P		2	
Plantae	Flora	Verbenaceae	6248	*Lantana camara*	*	Lantana			322	
Plantae	Flora	Verbenaceae	6256	*Verbena bonariensis*	*	Purpletop			110	
Plantae	Flora	Verbenaceae	10718	*Verbena incompta*	*				4	
Plantae	Flora	Verbenaceae	6258	*Verbena litoralis*	*				2	
Plantae	Flora	Verbenaceae	10720	*Verbena quadrangularis*	*				2	
Plantae	Flora	Verbenaceae	11406	*Verbena rigida var. rigida*	*	Veined Verbena			20	
Plantae	Flora	Verbenaceae	VERE	*Verbena spp.*	*				5	
Plantae	Flora	Zingiberaceae	6913	*Alpinia arundelliana*		Native Ginger			26	
Plantae	Flora	Zingiberaceae	6340	*Alpinia caerulea*		Native Ginger			42	
Plantae	Flora	Zingiberaceae	6787	*Hedychium gardnerianum*	*	Ginger Lily			5	
Plantae	Flora	Violaceae	6266	*Hybanthus monopetalus*		Slender Violet-bush			4	
Plantae	Flora	Violaceae	HYBA	*Hybanthus spp.*					2	
Plantae	Flora	Violaceae	9769	*Hybanthus stellarioides*					49	
Plantae	Flora	Violaceae	6792	*Hybanthus vernonii subsp. scaber*					1	
Plantae	Flora	Violaceae	12061	*Melicytus dentatus*		Tree Violet			2	
Plantae	Flora	Violaceae	11863	*Viola banksii*					10	
Plantae	Flora	Violaceae	6270	*Viola betonicifolia*		Native Violet			49	
Plantae	Flora	Violaceae	6271	*Viola caleyana*		Swamp Violet			2	
Plantae	Flora	Violaceae	10565	*Viola fuscoviolacea*					2	
Plantae	Flora	Violaceae	6272	*Viola hederacea*		Ivy-leaved Violet			204	
Plantae	Flora	Violaceae	6963	*Viola hederacea subsp. perreniformis*					2	
Plantae	Flora	Violaceae	11190	*Viola sieberiana*					1	
Plantae	Flora	Zosteraceae	13649	*Zostera muelleri subsp. capricorni*					1	
Plantae	Flora	Viscaceae	6442	*Korthalsella rubra subsp. geijericola*					1	
Plantae	Flora	Viscaceae	6973	*Korthalsella rubra subsp. rubra*		Jointed Mistletoe			1	
Plantae	Flora	Viscaceae	6278	*Notothixos incanus*					12	
Plantae	Flora	Viscaceae	6279	*Notothixos subaureus*		Golden Mistletoe			4	
Plantae	Flora	Vitaceae	6281	*Cayratia clematidea*		Native Grape			77	
Plantae	Flora	Vitaceae	8462	*Cayratia eurynema*					13	
Plantae	Flora	Vitaceae	6282	*Cissus antarctica*		Water Vine			162	
Plantae	Flora	Vitaceae	6283	*Cissus hypoglauca*		Giant Water Vine			221	
Plantae	Flora	Vitaceae	6286	*Cissus sterculiifolia*		Yaroong			6	
Plantae	Flora	Vitaceae	14093	*Clematicissus opaca*		Pepper Vine			12	
Plantae	Flora	Vitaceae	6288	*Tetrastigma nitens*					70	
Plantae	Flora	Vittariaceae	8193	*Vittaria elongata*		Tape Fern			3	
Plantae	Flora	Orobanchaceae	5954	*Euphrasia arguta*			E4A,P	CE	P	

Plantae	Flora	Orobanchaceae	5957	*Euphrasia ciliolata*	Polblue Eyebright	V,P	K	

Data from the BioNet Atlas of NSW Wildlife website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.1Â°; ^^ rounded to 0.01Â°). Copyright the State of NSW through the Office of Environment and Heritage. Search criteria : Public Report of all Valid Records of Communities in PORT MACQUARIE-HASTINGS LGA returned 0 records for 15 entities.
Report generated on 6/07/2016 1:21 PM

Kingdom	Class	Family	Species Code	Scientific Name	Exotic	Common Name	NSW status	Comm. status	Records	Info
Community				*Carex Sedgeland of the New England Tableland, Nandewar, Brigalow Belt South and NSW North Coast Bioregions*		Carex Sedgeland of the New England Tableland, Nandewar, Brigalow Belt South and NSW North Coast Bioregions	E3		K	
Community				*Coastal Saltmarsh in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions*		Coastal Saltmarsh in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3	V	K	
Community				*Freshwater Wetlands on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions*		Freshwater Wetlands on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3		K	
Community				*Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions*		Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3	CE	K	
Community				*Lowland Rainforest in the NSW North Coast and Sydney Basin Bioregions*		Lowland Rainforest in the NSW North Coast and Sydney Basin Bioregions	E3	CE	K	
Community				*Lowland Rainforest on Floodplain in the New South Wales North Coast Bioregion*		Lowland Rainforest on Floodplain in the New South Wales North Coast Bioregion	E3	CE	K	
Community				*Montane Peatlands and Swamps of the New England Tableland, NSW North Coast, Sydney Basin, South East Corner, South Eastern Highlands and Australian Alps bioregions*		Montane Peatlands and Swamps of the New England Tableland, NSW North Coast, Sydney Basin, South East Corner, South Eastern Highlands and Australian Alps bioregions	E3	E	K	
Community				*New England Peppermint (Eucalyptus nova-anglica) Woodland on Basalts and Sediments in the New England Tableland Bioregion*		New England Peppermint (Eucalyptus nova-anglica) Woodland on Basalts and Sediments in the New England Tableland Bioregion	E4B	CE	K	
Community				*Ribbon Gum-Mountain Gum-Snow Gum Grassy Forest/Woodland of the New England Tableland Bioregion*		Ribbon Gum-Mountain Gum-Snow Gum Grassy Forest/Woodland of the New England Tableland Bioregion	E3		K	
Community				*Subtropical Coastal Floodplain Forest of the New South Wales North Coast Bioregion*		Subtropical Coastal Floodplain Forest of the New South Wales North Coast Bioregion	E3		K	

Community	*Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions*	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3		K	
Community	*Swamp Sclerophyll Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions*	Swamp Sclerophyll Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3		K	
Community	*Themeda grassland on seacliffs and coastal headlands in the NSW North Coast, Sydney Basin and South East Corner Bioregions*	Themeda grassland on seacliffs and coastal headlands in the NSW North Coast, Sydney Basin and South East Corner Bioregions	E3		K	
Community	*Upland Wetlands of the Drainage Divide of the New England Tableland Bioregion*	Upland Wetlands of the Drainage Divide of the New England Tableland Bioregion	E3	E	K	
Community	*White Box Yellow Box Blakelyâ€™s Red Gum Woodland*	White Box Yellow Box Blakelyâ€™s Red Gum Woodland	E3	CE	K	

Data from the BioNet Atlas of NSW Wildlife website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.1Â°; ^^ rounded to 0.01Â°). Copyright the State of NSW through the Office of Environment and Heritage. Search criteria : Public Report of all Valid Records of Animals in PORT MACQUARIE-HASTINGS LGA returned a total of 53,366 records of 654 species.
Report generated on 6/07/2016 12:44 PM

Kingdom	Class	Family	Species Code	Scientific Name	Exotic	Common Name	NSW status	Comm. status	Records	Info
Animalia	Chondrichthyes	Centrophoridae	T321	*Centrophorus harrissoni*		Harrisson's Dogfish			K	
Animalia	Chondrichthyes	Centrophoridae	T322	*Centrophorus zeehaani*		Southern Dogfish			P	
Animalia	Actinopterygii	Anguillidae	T056	*Anguilla reinhardtii*		longfin eel			5	
Animalia	Actinopterygii	Anguillidae	T075	*Anguilla sp.*		Shortfin Eel			2	
Animalia	Actinopterygii	Cyprinidae	T044	*Cyprinus carpio*	*	Carp			1	
Animalia	Actinopterygii	Eleotridae	T189	*Gobiomorphus australis*		Striped Gudgeon			4	
Animalia	Actinopterygii	Eleotridae	T1003	*Hypseleotris compressa*		Empire Gudgeon			3	
Animalia	Actinopterygii	Eleotridae	T1002	*Hypseleotris galii*		Firetail Gudgeon			5	
Animalia	Actinopterygii	Eleotridae	T055	*Philypnodon grandiceps*		Flathead gudgeon			2	
Animalia	Malacostraca	Parastacidae	T324	*Cherax cuspidatus*					14	
Animalia	Malacostraca	Parastacidae	T904	*Cherax destructor*		Dam Yabby			1	
Animalia	Malacostraca	Parastacidae	T939	*Euastacus sp.*					36	
Animalia	Actinopterygii	Poeciliidae	T013	*Gambusia holbrooki*	*	Mosquito Fish			32	
Animalia	Actinopterygii	Mugilidae	T1017	*Trachystoma petardi*		Pinkeye Mullet, Fresh Water Mullet			1	
Animalia	Amphibia	Myobatrachidae	3001	*Adelotus brevis*		Tusked Frog population in the Nandewar and New England Tableland Bioregions	E2,P		K	
Animalia	Amphibia	Myobatrachidae	3001	*Adelotus brevis*		Tusked Frog	P		164	
Animalia	Amphibia	Myobatrachidae	3131	*Crinia parinsignifera*		Eastern Sign-bearing Froglet	P		4	
Animalia	Amphibia	Myobatrachidae	3134	*Crinia signifera*		Common Eastern Froglet	P		296	
Animalia	Amphibia	Myobatrachidae	3137	*Crinia tinnula*		Wallum Froglet	V,P		73	
Animalia	Amphibia	Myobatrachidae	3052	*Lechriodus fletcheri*		Fletcher's Frog	P		30	
Animalia	Amphibia	Myobatrachidae	3058	*Limnodynastes dumerilii*		Eastern Banjo Frog	P		24	
Animalia	Amphibia	Myobatrachidae	3902	*Limnodynastes dumerilii grayi*			P		2	
Animalia	Amphibia	Myobatrachidae	3059	*Limnodynastes fletcheri*		Long-thumbed Frog	P		1	
Animalia	Amphibia	Myobatrachidae	3061	*Limnodynastes peronii*		Brown-striped Frog	P		247	
Animalia	Amphibia	Myobatrachidae	3063	*Limnodynastes tasmaniensis*		Spotted Grass Frog	P		7	
Animalia	Amphibia	Myobatrachidae	3064	*Limnodynastes terraereginae*		Northern Banjo Frog	P		1	
Animalia	Amphibia	Myobatrachidae	3073	*^Mixophyes balbus*		Stuttering Frog	E1,P,2	V	108	
Animalia	Amphibia	Myobatrachidae	3074	*Mixophyes fasciolatus*		Great Barred Frog	P		275	
Animalia	Amphibia	Myobatrachidae	3075	*^Mixophyes iteratus*		Giant Barred Frog	E1,P,2	E	81	
Animalia	Amphibia	Myobatrachidae	T120	*Mixophyes sp.*			P		2	

Animalia	Amphibia	Myobatrachidae	3103	*Paracrinia haswelli*		Haswell's Froglet	P		12
Animalia	Amphibia	Myobatrachidae	3109	*Philoria sphagnicolus*		Sphagnum Frog	V,P		124
Animalia	Amphibia	Myobatrachidae	3112	*Platyplectrum ornatum*		Ornate Burrowing Frog	P		1
Animalia	Amphibia	Myobatrachidae	3117	*Pseudophryne bibronii*		Bibron's Toadlet	P		7
Animalia	Amphibia	Myobatrachidae	3118	*Pseudophryne coriacea*		Red-backed Toadlet	P		431
Animalia	Amphibia	Myobatrachidae	T119	*Pseudophryne sp.*			P		4
Animalia	Amphibia	Myobatrachidae	3035	*Uperoleia fusca*		Dusky Toadlet	P		56
Animalia	Amphibia	Myobatrachidae	3158	*Uperoleia laevigata*		Smooth Toadlet	P		21
Animalia	Amphibia	Myobatrachidae	3329	*Uperoleia sp.*			P		5
Animalia	Amphibia	Myobatrachidae	3302	*Uperoleia tyleri*		Tyler's Toadlet	P		2
Animalia	Amphibia	Hylidae	3166	*Litoria aurea*		Green and Golden Bell Frog	E1,P	V	7
Animalia	Amphibia	Hylidae	3168	*Litoria booroolongensis*		Booroolong Frog	E1,P	E	K
Animalia	Amphibia	Hylidae	3169	*Litoria brevipalmata*		Green-thighed Frog	V,P		24
Animalia	Amphibia	Hylidae	3171	*Litoria caerulea*		Green Tree Frog	P		43
Animalia	Amphibia	Hylidae	3174	*Litoria chloris*		Red-eyed Tree Frog	P		36
Animalia	Amphibia	Hylidae	3303	*Litoria daviesae*		Davies' Tree Frog	V,P		15
Animalia	Amphibia	Hylidae	3180	*Litoria dentata*		Bleating Tree Frog	P		71
Animalia	Amphibia	Hylidae	3182	*Litoria ewingii*		Brown Tree Frog	P		2
Animalia	Amphibia	Hylidae	3183	*Litoria fallax*		Eastern Dwarf Tree Frog	P		254
Animalia	Amphibia	Hylidae	3184	*Litoria freycineti*		Freycinet's Frog	P		28
Animalia	Amphibia	Hylidae	3187	*Litoria gracilenta*		Dainty Green Tree Frog	P		26
Animalia	Amphibia	Hylidae	3190	*Litoria jervisiensis*		Jervis Bay Tree Frog	P		4
Animalia	Amphibia	Hylidae	3191	*Litoria latopalmata*		Broad-palmed Frog	P		11
Animalia	Amphibia	Hylidae	3316	*Litoria lesueuri*		Lesueur's Frog	P		140
Animalia	Amphibia	Hylidae	3199	*Litoria nasuta*		Rocket Frog	P		28
Animalia	Amphibia	Hylidae	3003	*Litoria pearsoniana*		Pearson's Green Tree Frog	P		97
Animalia	Amphibia	Hylidae	T121	*Litoria pearsoniana/phyllochroa*		Leaf Green Tree Frog species complex	P		12
Animalia	Amphibia	Hylidae	3204	*Litoria peronii*		Peron's Tree Frog	P		141
Animalia	Amphibia	Hylidae	3206	*Litoria phyllochroa*		Leaf-green Tree Frog	P		138
Animalia	Amphibia	Hylidae	3219	*Litoria revelata*		Revealed Frog	P		6
Animalia	Amphibia	Hylidae	3186	*Litoria subglandulosa*		Glandular Frog	V,P		1
Animalia	Amphibia	Hylidae	3214	*Litoria tyleri*		Tyler's Tree Frog	P		55
Animalia	Amphibia	Hylidae	3215	*Litoria verreauxii*		Verreaux's Frog	P		12
Animalia	Amphibia	Bufonidae	3269	*Rhinella marina*	*	Cane Toad			27
Animalia	Reptilia	Cheloniidae	2004	*Caretta caretta*		Loggerhead Turtle	E1,P	E	8
Animalia	Reptilia	Cheloniidae	2007	*Chelonia mydas*		Green Turtle	V,P	V	2
Animalia	Reptilia	Cheloniidae	T110	*Cheloniidae sp.*		unidentified sea turtle	P		1
Animalia	Reptilia	Cheloniidae	2008	*Eretmochelys imbricata*		Hawksbill Turtle	P		7
Animalia	Reptilia	Dermochelyidae	2013	*Dermochelys coriacea*		Leatherback Turtle	E1,P	E	1
Animalia	Reptilia	Chelidae	2017	*Chelodina longicollis*		Eastern Snake-necked Turtle	P		10
Animalia	Reptilia	Chelidae	2034	*Emydura macquarii*		Macquarie Turtle	P		3
Animalia	Reptilia	Chelidae	2951	*Emydura macquarii macquarii*		Macquarie River Turtle	P		21
Animalia	Reptilia	Gekkonidae	2687	*Saltuarius swaini*		Southern Leaf-tailed Gecko	P		17
Animalia	Reptilia	Pygopodidae	2170	*Lialis burtonis*		Burton's Snake-lizard	P		13
Animalia	Reptilia	Pygopodidae	2174	*Pygopus lepidopodus*		Common Scaly-foot	P		3
Animalia	Reptilia	Scincidae	2417	*Bellatorias major*		Land Mullet	P		58
Animalia	Reptilia	Scincidae	2031	*Calyptotis ruficauda*		Red-tailed Calyptotis	P		25
Animalia	Reptilia	Scincidae	2293	*Coeranoscincus reticulatus*		Three-toed Snake-tooth Skink	V,P	V	K
Animalia	Reptilia	Scincidae	2375	*Ctenotus robustus*		Robust Ctenotus	P		20

Animalia	Reptilia	Scincidae	2386	*Ctenotus taeniolatus*	Copper-tailed Skink	P	2
Animalia	Reptilia	Scincidae	2575	*Cyclodomorphus gerrardii*	Pink-tongued Lizard	P	5
Animalia	Reptilia	Scincidae	2408	*Egernia cunninghami*	Cunningham's Skink	P	2
Animalia	Reptilia	Scincidae	2213	*Egernia mcpheei*	Eastern Crevice Skink	P	11
Animalia	Reptilia	Scincidae	2429	*Egernia striolata*	Tree Skink	P	2
Animalia	Reptilia	Scincidae	2214	*Eulamprus heatwolei*	Yellow-bellied Water-skink	P	7
Animalia	Reptilia	Scincidae	2550	*Eulamprus kosciuskoi*	Alpine Water Skink	P	1
Animalia	Reptilia	Scincidae	2552	*Eulamprus murrayi*	Murray's Skink	P	39
Animalia	Reptilia	Scincidae	2557	*Eulamprus quoyii*	Eastern Water-skink	P	30
Animalia	Reptilia	Scincidae	2559	*Eulamprus tenuis*	Barred-sided Skink	P	6
Animalia	Reptilia	Scincidae	T116	*Eulamprus tenuis\martini*	Barred-sided Skink	P	1
Animalia	Reptilia	Scincidae	2561	*Eulamprus tympanum*	Southern Water-skink	P	2
Animalia	Reptilia	Scincidae	2447	*Lampropholis amicula*	Friendly Sunskink	P	1
Animalia	Reptilia	Scincidae	2450	*Lampropholis delicata*	Dark-flecked Garden Sunskink	P	181
Animalia	Reptilia	Scincidae	2451	*Lampropholis guichenoti*	Pale-flecked Garden Sunskink	P	64
Animalia	Reptilia	Scincidae	T117	*Lampropholis sp.*	unidentified grass skink	P	8
Animalia	Reptilia	Scincidae	2430	*Liopholis whitii*	White's Skink	P	3
Animalia	Reptilia	Scincidae	2307	*Lygisaurus foliorum*	Tree-base Litter-skink	P	1
Animalia	Reptilia	Scincidae	2542	*Saiphos equalis*	Three-toed Skink	P	17
Animalia	Reptilia	Scincidae	2449	*Saproscincus challengeri*	Orange-tailed Shadeskink	P	26
Animalia	Reptilia	Scincidae	2452	*Saproscincus mustelinus*	Weasel Skink	P	4
Animalia	Reptilia	Scincidae	2765	*Saproscincus rosei*	Orange-tailed Shadeskink	P	6
Animalia	Reptilia	Scincidae	2580	*Tiliqua scincoides*	Eastern Blue-tongue	P	52
Animalia	Reptilia	Scincidae	5056	*Tiliqua scincoides scincoides*		P	1
Animalia	Reptilia	Agamidae	2194	*Amphibolurus muricatus*	Jacky Lizard	P	17
Animalia	Reptilia	Agamidae	2245	*Hypsilurus spinipes*	Southern Angle-headed Dragon	P	15
Animalia	Reptilia	Agamidae	2252	*Intellagama lesueurii*	Eastern Water Dragon	P	75
Animalia	Reptilia	Agamidae	5075	*Intellagama lesueurii lesueurii*	Eastern Water Dragon	P	3
Animalia	Reptilia	Agamidae	2177	*Pogona barbata*	Bearded Dragon	P	6
Animalia	Reptilia	Agamidae	2182	*Rankinia diemensis*	Mountain Dragon	P	2
Animalia	Reptilia	Varanidae	9056	*Varanus sp.*	Unidentified Goanna	P	2
Animalia	Reptilia	Varanidae	2283	*Varanus varius*	Lace Monitor	P	190
Animalia	Reptilia	Typhlopidae	2599	*Ramphotyphlops nigrescens*	Blackish Blind Snake	P	6
Animalia	Reptilia	Typhlopidae	T112	*Ramphotyphlops sp.*	blind snake	P	1
Animalia	Reptilia	Boidae	2625	*Morelia spilota*	Carpet & Diamond Pythons	P	23
Animalia	Reptilia	Boidae	5095	*Morelia spilota mcdowelli*	Eastern Carpet Python	P	4
Animalia	Reptilia	Boidae	5096	*Morelia spilota spilota*	Diamond Python	P	5
Animalia	Reptilia	Colubridae	2630	*Boiga irregularis*	Brown Tree Snake	P	1
Animalia	Reptilia	Colubridae	2633	*Dendrelaphis punctulatus*	Common Tree Snake	P	17
Animalia	Reptilia	Elapidae	2640	*Acanthophis antarcticus*	Common Death Adder	P	2
Animalia	Reptilia	Elapidae	2744	*Astrotia stokesii*	Stokes's Seasnake	P	1
Animalia	Reptilia	Elapidae	2646	*Cacophis krefftii*	Southern Dwarf Crowned Snake	P	4
Animalia	Reptilia	Elapidae	2647	*Cacophis squamulosus*	Golden-crowned Snake	P	12
Animalia	Reptilia	Elapidae	5136	*Cryptophis nigrescens*	Eastern Small-eyed Snake	P	22
Animalia	Reptilia	Elapidae	2655	*Demansia psammophis*	Yellow-faced Whip Snake	P	10
Animalia	Reptilia	Elapidae	2665	*Drysdalia coronoides*	White-lipped Snake	P	2
Animalia	Reptilia	Elapidae	2674	*Hemiaspis signata*	Black-bellied Swamp Snake	P	22
Animalia	Reptilia	Elapidae	2675	*Hoplocephalus bitorquatus*	Pale-headed Snake	V,P	P

Animalia	Reptilia	Elapidae	2677	*Hoplocephalus stephensii*		Stephens' Banded Snake	V,P	10	
Animalia	Reptilia	Elapidae	2681	*Notechis scutatus*		Tiger Snake	P	5	
Animalia	Reptilia	Elapidae	2770	*Pelamis platurus*		Yellow-bellied Seasnake	P	1	
Animalia	Reptilia	Elapidae	2693	*Pseudechis porphyriacus*		Red-bellied Black Snake	P	69	
Animalia	Reptilia	Elapidae	2699	*Pseudonaja textilis*		Eastern Brown Snake	P	17	
Animalia	Reptilia	Elapidae	2723	*Tropidechis carinatus*		Rough-scaled Snake	P	1	
Animalia	Reptilia	Elapidae	2734	*Vermicella annulata*		Bandy-bandy	P	10	
Animalia	Aves	Casuariidae	0001	*Dromaius novaehollandiae*		Emu population in the New South Wales North Coast Bioregion and Port Stephens local government area	E2,P	1	
Animalia	Aves	Casuariidae	0001	*Dromaius novaehollandiae*		Emu	P	1	
Animalia	Aves	Megapodiidae	0008	*Alectura lathami*		Australian Brush-turkey	P	2986	
Animalia	Aves	Phasianidae	0009	*Coturnix pectoralis*		Stubble Quail	P	5	
Animalia	Aves	Phasianidae	9046	*Coturnix sp.*		Unidentified Quail	P	2	
Animalia	Aves	Phasianidae	0011	*Coturnix ypsilophora*		Brown Quail	P	41	
Animalia	Aves	Phasianidae	0012	*Excalfactoria chinensis*		King Quail	P	3	
Animalia	Aves	Phasianidae	0902	*Gallus gallus*	*	Red Junglefowl		1	
Animalia	Aves	Phasianidae	0950	*Phasianus colchicus*	*	Common Pheasant		1	
Animalia	Aves	Anseranatidae	0199	*Anseranas semipalmata*		Magpie Goose	V,P	1	
Animalia	Aves	Anatidae	0210	*Anas castanea*		Chestnut Teal	P	54	
Animalia	Aves	Anatidae	0211	*Anas gracilis*		Grey Teal	P	33	
Animalia	Aves	Anatidae	0948	*Anas platyrhynchos*	*	Mallard		11	
Animalia	Aves	Anatidae	0212	*Anas rhynchotis*		Australasian Shoveler	P	8	
Animalia	Aves	Anatidae	0208	*Anas superciliosa*		Pacific Black Duck	P	110	
Animalia	Aves	Anatidae	0215	*Aythya australis*		Hardhead	P	39	
Animalia	Aves	Anatidae	0217	*Biziura lobata*		Musk Duck	P	14	
Animalia	Aves	Anatidae	0202	*Chenonetta jubata*		Australian Wood Duck	P	114	
Animalia	Aves	Anatidae	0203	*Cygnus atratus*		Black Swan	P	29	
Animalia	Aves	Anatidae	0204	*Dendrocygna arcuata*		Wandering Whistling-Duck	P	11	
Animalia	Aves	Anatidae	0205	*Dendrocygna eytoni*		Plumed Whistling-Duck	P	3	
Animalia	Aves	Anatidae	0213	*Malacorhynchus membranaceus*		Pink-eared Duck	P	1	
Animalia	Aves	Anatidae	0216	*Oxyura australis*		Blue-billed Duck	V,P	2	
Animalia	Aves	Anatidae	0214	*Stictonetta naevosa*		Freckled Duck	V,P	3	
Animalia	Aves	Phaethontidae	0108	*Phaethon lepturus*		White-tailed Tropicbird	P	C,J 1	
Animalia	Aves	Podicipedidae	0060	*Podiceps cristatus*		Great Crested Grebe	P	1	
Animalia	Aves	Podicipedidae	0062	*Poliocephalus poliocephalus*		Hoary-headed Grebe	P	3	
Animalia	Aves	Podicipedidae	0061	*Tachybaptus novaehollandiae*		Australasian Grebe	P	25	
Animalia	Aves	Columbidae	0033	*Chalcophaps indica*		Emerald Dove	P	33	
Animalia	Aves	Columbidae	0028	*Columba leucomela*		White-headed Pigeon	P	134	
Animalia	Aves	Columbidae	0957	*Columba livia*	*	Rock Dove		6	
Animalia	Aves	Columbidae	0031	*Geopelia cuneata*		Diamond Dove	P	1	
Animalia	Aves	Columbidae	0032	*Geopelia humeralis*		Bar-shouldered Dove	P	89	
Animalia	Aves	Columbidae	9931	*Geopelia striata*		Peaceful Dove	P	61	
Animalia	Aves	Columbidae	0044	*Leucosarcia melanoleuca*		Wonga Pigeon	P	249	
Animalia	Aves	Columbidae	0027	*Lopholaimus antarcticus*		Topknot Pigeon	P	42	
Animalia	Aves	Columbidae	0029	*Macropygia amboinensis*		Brown Cuckoo-Dove	P	353	
Animalia	Aves	Columbidae	0043	*Ocyphaps lophotes*		Crested Pigeon	P	116	
Animalia	Aves	Columbidae	0034	*Phaps chalcoptera*		Common Bronzewing	P	7	
Animalia	Aves	Columbidae	0035	*Phaps elegans*		Brush Bronzewing	P	8	
Animalia	Aves	Columbidae	0025	*Ptilinopus magnificus*		Wompoo Fruit-Dove	V,P	55	
Animalia	Aves	Columbidae	0021	*Ptilinopus regina*		Rose-crowned Fruit-Dove	V,P	15	
Animalia	Aves	Columbidae	0023	*Ptilinopus superbus*		Superb Fruit-Dove	V,P	1	
Animalia	Aves	Columbidae	0989	*Streptopelia chinensis*	*	Spotted Turtle-Dove		63	
Animalia	Aves	Podargidae	0313	*Podargus strigoides*		Tawny Frogmouth	P	211	

Animalia	Aves	Caprimulgidae	0330	*Eurostopodus mystacalis*	White-throated Nightjar	P		114	
Animalia	Aves	Aegothelidae	0317	*Aegotheles cristatus*	Australian Owlet-nightjar	P		466	
Animalia	Aves	Apodidae	0335	*Apus pacificus*	Fork-tailed Swift	P	C,J,K	13	
Animalia	Aves	Apodidae	0334	*Hirundapus caudacutus*	White-throated Needletail	P	C,J,K	68	
Animalia	Aves	Oceanitidae	0944	*Fregetta grallaria*	White-bellied Storm-Petrel	V,P	V	K	
Animalia	Aves	Diomedeidae	0846	*Diomedea antipodensis*	Antipodean Albatross	V,P	V	K	
Animalia	Aves	Diomedeidae	0086	*Diomedea exulans*	Wandering Albatross	E1,P	E,J	K	
Animalia	Aves	Diomedeidae	0847	*Diomedea gibsoni*	Gibson's Albatross	V,P	V	K	
Animalia	Aves	Diomedeidae	0092	*Phoebetria fusca*	Sooty Albatross	V,P	V	K	
Animalia	Aves	Diomedeidae	0091	*Thalassarche cauta*	Shy Albatross	V,P	V	K	
Animalia	Aves	Diomedeidae	0088	*Thalassarche melanophris*	Black-browed Albatross	V,P	V	K	
Animalia	Aves	Procellariidae	0072	*Ardenna carneipes*	Flesh-footed Shearwater	V,P	J,K	1	
Animalia	Aves	Procellariidae	0070	*Ardenna grisea*	Sooty Shearwater	P	C,J	1	
Animalia	Aves	Procellariidae	0069	*Ardenna pacificus*	Wedge-tailed Shearwater	P	J	5	
Animalia	Aves	Procellariidae	0071	*Ardenna tenuirostris*	Short-tailed Shearwater	P	J,K	4	
Animalia	Aves	Procellariidae	0074	*Fulmarus glacialoides*	Southern Fulmar	P		2	
Animalia	Aves	Procellariidae	0929	*Macronectes giganteus*	Southern Giant Petrel	E1,P	E	K	
Animalia	Aves	Procellariidae	0937	*Macronectes halli*	Northern Giant-Petrel	V,P	V	P	
Animalia	Aves	Procellariidae	0083	*Pachyptila turtur*	Fairy Prion	P		1	
Animalia	Aves	Procellariidae	8684	*Pterodroma leucoptera leucoptera*	Gould's Petrel	V,P	E	K	
Animalia	Aves	Procellariidae	0075	*Pterodroma macroptera*	Great-winged Petrel	P		1	
Animalia	Aves	Procellariidae	8993	*Pterodroma neglecta neglecta*	Kermadec Petrel (west Pacific subspecies)	V,P	V	K	
Animalia	Aves	Procellariidae	0955	*Pterodroma nigripennis*	Black-winged Petrel	V,P		K	
Animalia	Aves	Procellariidae	0971	*Pterodroma solandri*	Providence Petrel	V,P	J	K	
Animalia	Aves	Procellariidae	0067	*Puffinus assimilis*	Little Shearwater	V,P		K	
Animalia	Aves	Sulidae	0104	*Morus serrator*	Australasian Gannet	P		13	
Animalia	Aves	Sulidae	0105	*Sula dactylatra*	Masked Booby	V,P	J,K	K	
Animalia	Aves	Anhingidae	8731	*Anhinga novaehollandiae*	Australasian Darter	P		20	
Animalia	Aves	Phalacrocoracidae	0100	*Microcarbo melanoleucos*	Little Pied Cormorant	P		44	
Animalia	Aves	Phalacrocoracidae	0096	*Phalacrocorax carbo*	Great Cormorant	P		25	
Animalia	Aves	Phalacrocoracidae	0097	*Phalacrocorax sulcirostris*	Little Black Cormorant	P		56	
Animalia	Aves	Phalacrocoracidae	0099	*Phalacrocorax varius*	Pied Cormorant	P		28	
Animalia	Aves	Pelecanidae	0106	*Pelecanus conspicillatus*	Australian Pelican	P		49	
Animalia	Aves	Ciconiidae	0183	*Ephippiorhynchus asiaticus*	Black-necked Stork	E1,P		113	
Animalia	Aves	Ardeidae	0977	*Ardea ibis*	Cattle Egret	P	C,J	57	
Animalia	Aves	Ardeidae	0186	*Ardea intermedia*	Intermediate Egret	P		8	
Animalia	Aves	Ardeidae	8712	*Ardea modesta*	Eastern Great Egret	P		28	
Animalia	Aves	Ardeidae	0189	*Ardea pacifica*	White-necked Heron	P		25	
Animalia	Aves	Ardeidae	0197	*Botaurus poiciloptilus*	Australasian Bittern	E1,P	E	6	
Animalia	Aves	Ardeidae	0193	*Butorides striatus*	Striated Heron	P		6	
Animalia	Aves	Ardeidae	0185	*Egretta garzetta*	Little Egret	P		5	
Animalia	Aves	Ardeidae	0188	*Egretta novaehollandiae*	White-faced Heron	P		76	
Animalia	Aves	Ardeidae	0191	*Egretta sacra*	Eastern Reef Egret	P	C	8	
Animalia	Aves	Ardeidae	0196	*Ixobrychus flavicollis*	Black Bittern	V,P		1	
Animalia	Aves	Ardeidae	0192	*Nycticorax caledonicus*	Nankeen Night Heron	P		11	
Animalia	Aves	Threskiornithidae	0182	*Platalea flavipes*	Yellow-billed Spoonbill	P		6	
Animalia	Aves	Threskiornithidae	0181	*Platalea regia*	Royal Spoonbill	P		12	
Animalia	Aves	Threskiornithidae	T029	*Platalea sp.*	Spoonbill sp	P		1	

Animalia	Aves	Threskiornithidae	0178	*Plegadis falcinellus*	Glossy Ibis	P	C	1	
Animalia	Aves	Threskiornithidae	0179	*Threskiornis molucca*	Australian White Ibis	P		64	
Animalia	Aves	Threskiornithidae	0180	*Threskiornis spinicollis*	Straw-necked Ibis	P		52	
Animalia	Aves	Accipitridae	0222	*Accipiter cirrocephalus*	Collared Sparrowhawk	P		19	
Animalia	Aves	Accipitridae	0221	*Accipiter fasciatus*	Brown Goshawk	P		42	
Animalia	Aves	Accipitridae	0220	*Accipiter novaehollandiae*	Grey Goshawk	P		27	
Animalia	Aves	Accipitridae	0224	*Aquila audax*	Wedge-tailed Eagle	P		56	
Animalia	Aves	Accipitridae	0234	*Aviceda subcristata*	Pacific Baza	P		31	
Animalia	Aves	Accipitridae	0219	*Circus approximans*	Swamp Harrier	P		29	
Animalia	Aves	Accipitridae	0218	*Circus assimilis*	Spotted Harrier	V,P		5	
Animalia	Aves	Accipitridae	0232	*Elanus axillaris*	Black-shouldered Kite	P		48	
Animalia	Aves	Accipitridae	0226	*Haliaeetus leucogaster*	White-bellied Sea-Eagle	P	C	77	
Animalia	Aves	Accipitridae	0227	*Haliastur indus*	Brahminy Kite	P		45	
Animalia	Aves	Accipitridae	0228	*Haliastur sphenurus*	Whistling Kite	P		69	
Animalia	Aves	Accipitridae	0225	*Hieraaetus morphnoides*	Little Eagle	V,P		11	
Animalia	Aves	Accipitridae	0230	*^^Lophoictinia isura*	Square-tailed Kite	V,P,3		62	
Animalia	Aves	Accipitridae	0229	*Milvus migrans*	Black Kite	P		3	
Animalia	Aves	Accipitridae	8739	*^^Pandion cristatus*	Eastern Osprey	V,P,3		81	
Animalia	Aves	Falconidae	0239	*Falco berigora*	Brown Falcon	P		16	
Animalia	Aves	Falconidae	0240	*Falco cenchroides*	Nankeen Kestrel	P		32	
Animalia	Aves	Falconidae	0235	*Falco longipennis*	Australian Hobby	P		10	
Animalia	Aves	Falconidae	0237	*Falco peregrinus*	Peregrine Falcon	P		18	
Animalia	Aves	Gruidae	0177	*Grus rubicunda*	Brolga	V,P		3	
Animalia	Aves	Rallidae	0053	*Amaurornis moluccana*	Pale-vented Bush-hen	V,P		K	
Animalia	Aves	Rallidae	0059	*Fulica atra*	Eurasian Coot	P		33	
Animalia	Aves	Rallidae	0056	*Gallinula tenebrosa*	Dusky Moorhen	P		35	
Animalia	Aves	Rallidae	0046	*Gallirallus philippensis*	Buff-banded Rail	P		17	
Animalia	Aves	Rallidae	0045	*Lewinia pectoralis*	Lewin's Rail	P		9	
Animalia	Aves	Rallidae	0058	*Porphyrio porphyrio*	Purple Swamphen	P		60	
Animalia	Aves	Rallidae	0049	*Porzana fluminea*	Australian Spotted Crake	P		1	
Animalia	Aves	Rallidae	0050	*Porzana pusilla*	Baillon's Crake	P		1	
Animalia	Aves	Rallidae	0051	*Porzana tabuensis*	Spotless Crake	P		1	
Animalia	Aves	Burhinidae	0174	*Burhinus grallarius*	Bush Stone-curlew	E1,P		3	
Animalia	Aves	Burhinidae	0175	*Esacus magnirostris*	Beach Stone-curlew	E4A,P		2	
Animalia	Aves	Haematopodidae	0131	*Haematopus fuliginosus*	Sooty Oystercatcher	V,P		21	
Animalia	Aves	Haematopodidae	0130	*Haematopus longirostris*	Pied Oystercatcher	E1,P		22	
Animalia	Aves	Recurvirostridae	0146	*Himantopus himantopus*	Black-winged Stilt	P		3	
Animalia	Aves	Charadriidae	0140	*Charadrius bicinctus*	Double-banded Plover	P		21	
Animalia	Aves	Charadriidae	0141	*Charadrius leschenaultii*	Greater Sand-plover	V,P	V,C,J,K	K	
Animalia	Aves	Charadriidae	0139	*Charadrius mongolus*	Lesser Sand-plover	V,P	E,C,J,K	56	
Animalia	Aves	Charadriidae	0143	*Charadrius ruficapillus*	Red-capped Plover	P		38	
Animalia	Aves	Charadriidae	0132	*Erythrogonys cinctus*	Red-kneed Dotterel	P		1	
Animalia	Aves	Charadriidae	8006	*Pluvialis fulva*	Pacific Golden Plover	P	C,J,K	32	
Animalia	Aves	Charadriidae	0133	*Vanellus miles*	Masked Lapwing	P		112	
Animalia	Aves	Charadriidae	0134	*Vanellus miles novaehollandiae*	[Spur-winged Plover]	P		2	
Animalia	Aves	Charadriidae	0135	*Vanellus tricolor*	Banded Lapwing	P		1	
Animalia	Aves	Jacanidae	0171	*Irediparra gallinacea*	Comb-crested Jacana	V,P		2	
Animalia	Aves	Rostratulidae	0170	*Rostratula australis*	Australian Painted Snipe	E1,P	E	K	
Animalia	Aves	Scolopacidae	0157	*Actitis hypoleucos*	Common Sandpiper	P	C,J,K	7	
Animalia	Aves	Scolopacidae	0129	*Arenaria interpres*	Ruddy Turnstone	P	C,J,K	1	
Animalia	Aves	Scolopacidae	0163	*Calidris acuminata*	Sharp-tailed Sandpiper	P	C,J,K	2	
Animalia	Aves	Scolopacidae	0166	*Calidris alba*	Sanderling	V,P	C,J,K	2	
Animalia	Aves	Scolopacidae	0164	*Calidris canutus*	Red Knot	P	C,J,K	5	
Animalia	Aves	Scolopacidae	0161	*Calidris ferruginea*	Curlew Sandpiper	E1,P	CE,C,J,K	1	
Animalia	Aves	Scolopacidae	0162	*Calidris ruficollis*	Red-necked Stint	P	C,J,K	48	
Animalia	Aves	Scolopacidae	0165	*Calidris tenuirostris*	Great Knot	V,P	CE,C,J,K	K	
Animalia	Aves	Scolopacidae	0168	*Gallinago hardwickii*	Latham's Snipe	P	C,J,K	8	

Animalia	Aves	Scolopacidae	0167	*Limicola falcinellus*	Broad-billed Sandpiper	V,P	C,J,K	1	
Animalia	Aves	Scolopacidae	0153	*Limosa lapponica*	Bar-tailed Godwit	P	C,J,K	116	
Animalia	Aves	Scolopacidae	0152	*Limosa limosa*	Black-tailed Godwit	V,P	C,J,K	K	
Animalia	Aves	Scolopacidae	0149	*Numenius madagascariensis*	Eastern Curlew	P	CE,C,J,K	20	
Animalia	Aves	Scolopacidae	0150	*Numenius phaeopus*	Whimbrel	P	C,J,K	40	
Animalia	Aves	Scolopacidae	0155	*Tringa brevipes*	Grey-tailed Tattler	P	C,J,K	53	
Animalia	Aves	Scolopacidae	0158	*Tringa nebularia*	Common Greenshank	P	C,J,K	7	
Animalia	Aves	Scolopacidae	0160	*Xenus cinereus*	Terek Sandpiper	V,P	C,J,K	4	
Animalia	Aves	Turnicidae	0013	*Turnix maculosus*	Red-backed Button-quail	V,P		K	
Animalia	Aves	Turnicidae	0017	*Turnix melanogaster*	Black-breasted Button-quail	E4A,P	V	K	
Animalia	Aves	Turnicidae	0019	*Turnix pyrrhothorax*	Red-chested Button-quail	P		1	
Animalia	Aves	Turnicidae	0014	*Turnix varius*	Painted Button-quail	P		13	
Animalia	Aves	Stercorcariidae	0128	*Stercorarius parasiticus*	Arctic Jaeger	P	J,K	1	
Animalia	Aves	Laridae	0110	*Chlidonias hybrida*	Whiskered Tern	P		1	
Animalia	Aves	Laridae	0125	*Chroicocephalus novaehollandiae*	Silver Gull	P		43	
Animalia	Aves	Laridae	0111	*Gelochelidon nilotica*	Gull-billed Tern	P	C	3	
Animalia	Aves	Laridae	0972	*Gygis alba*	White Tern	V,P		K	
Animalia	Aves	Laridae	0112	*Hydroprogne caspia*	Caspian Tern	P	C,J	5	
Animalia	Aves	Laridae	0120	*Onychoprion fuscata*	Sooty Tern	V,P		K	
Animalia	Aves	Laridae	9926	*Procelsterna cerulea*	Grey Ternlet	V,P		K	
Animalia	Aves	Laridae	0953	*Sterna hirundo*	Common Tern	P	C,J,K	23	
Animalia	Aves	Laridae	0114	*Sterna striata*	White-fronted Tern	P		1	
Animalia	Aves	Laridae	0117	*Sternula albifrons*	Little Tern	E1,P	C,J,K	19	
Animalia	Aves	Laridae	0116	*Thalasseus bengalensis*	Lesser Crested Tern	P	C	1	
Animalia	Aves	Laridae	0115	*Thalasseus bergii*	Crested Tern	P		98	
Animalia	Aves	Cacatuidae	0269	*Cacatua galerita*	Sulphur-crested Cockatoo	P		66	
Animalia	Aves	Cacatuidae	0271	*Cacatua sanguinea*	Little Corella	P		9	
Animalia	Aves	Cacatuidae	0272	*Cacatua tenuirostris*	Long-billed Corella	P		8	
Animalia	Aves	Cacatuidae	0268	*^^Callocephalon fimbriatum*	Gang-gang Cockatoo	V,P,3		K	
Animalia	Aves	Cacatuidae	0267	*Calyptorhynchus funereus*	Yellow-tailed Black-Cockatoo	P		230	
Animalia	Aves	Cacatuidae	0265	*^Calyptorhynchus lathami*	Glossy Black-Cockatoo	V,P,2		713	
Animalia	Aves	Cacatuidae	0273	*Eolophus roseicapillus*	Galah	P		125	
Animalia	Aves	Psittacidae	0281	*Alisterus scapularis*	Australian King-Parrot	P		308	
Animalia	Aves	Psittacidae	0258	*Glossopsitta concinna*	Musk Lorikeet	P		11	
Animalia	Aves	Psittacidae	0260	*Glossopsitta pusilla*	Little Lorikeet	V,P		67	
Animalia	Aves	Psittacidae	0309	*^^Lathamus discolor*	Swift Parrot	E1,P,3	CE	32	
Animalia	Aves	Psittacidae	M/SH	*Lorikeet Hybrid*	Musk/Scaly Lorikeet	P		1	
Animalia	Aves	Psittacidae	0302	*^^Neophema pulchella*	Turquoise Parrot	V,P,3		1	
Animalia	Aves	Psittacidae	8913	*^^Pezoporus wallicus wallicus*	Eastern Ground Parrot	V,P,3		7	
Animalia	Aves	Psittacidae	0282	*Platycercus elegans*	Crimson Rosella	P		324	
Animalia	Aves	Psittacidae	0288	*Platycercus eximius*	Eastern Rosella	P		148	
Animalia	Aves	Psittacidae	0256	*Trichoglossus chlorolepidotus*	Scaly-breasted Lorikeet	P		144	
Animalia	Aves	Psittacidae	9947	*Trichoglossus haematodus*	Rainbow Lorikeet	P		425	
Animalia	Aves	Psittacidae	8882	*Trichoglossus haematodus moluccanus*		P		4	
Animalia	Aves	Centropodidae	0349	*Centropus phasianinus*	Pheasant Coucal	P		63	
Animalia	Aves	Cuculidae	0338	*Cacomantis flabelliformis*	Fan-tailed Cuckoo	P		269	
Animalia	Aves	Cuculidae	0337	*Cacomantis pallidus*	Pallid Cuckoo	P		11	
Animalia	Aves	Cuculidae	0339	*Cacomantis variolosus*	Brush Cuckoo	P		52	
Animalia	Aves	Cuculidae	0342	*Chalcites basalis*	Horsfield's Bronze-Cuckoo	P		7	
Animalia	Aves	Cuculidae	0343	*Chalcites lucidus*	Shining Bronze-Cuckoo	P		106	
Animalia	Aves	Cuculidae	0345	*Chalcites minutillus*	Little Bronze-Cuckoo	P		1	
Animalia	Aves	Cuculidae	0347	*Eudynamys orientalis*	Eastern Koel	P		91	

Animalia	Aves	Cuculidae	0348	*Scythrops novaehollandiae*	Channel-billed Cuckoo	P		26	
Animalia	Aves	Strigidae	0246	*^^Ninox connivens*	Barking Owl	V,P,3		8	
Animalia	Aves	Strigidae	9922	*Ninox novaeseelandiae*	Southern Boobook	P		304	
Animalia	Aves	Strigidae	0248	*^^Ninox strenua*	Powerful Owl	V,P,3		85	
Animalia	Aves	Tytonidae	9923	*Tyto javanica*	Eastern Barn Owl	P		32	
Animalia	Aves	Tytonidae	0252	*^^Tyto longimembris*	Eastern Grass Owl	V,P,3		25	
Animalia	Aves	Tytonidae	0250	*^^Tyto novaehollandiae*	Masked Owl	V,P,3		103	
Animalia	Aves	Tytonidae	9025	*Tyto sp.*	Unidentified 'Barn' Owl	P		1	
Animalia	Aves	Tytonidae	9924	*^^Tyto tenebricosa*	Sooty Owl	V,P,3		165	
Animalia	Aves	Alcedinidae	0319	*Ceyx azureus*	Azure Kingfisher	P		45	
Animalia	Aves	Alcedinidae	0322	*Dacelo novaeguineae*	Laughing Kookaburra	P		504	
Animalia	Aves	Alcedinidae	0324	*Todiramphus macleayii*	Forest Kingfisher	P		93	
Animalia	Aves	Alcedinidae	0326	*Todiramphus sanctus*	Sacred Kingfisher	P		130	
Animalia	Aves	Meropidae	0329	*Merops ornatus*	Rainbow Bee-eater	P	J	24	
Animalia	Aves	Coraciidae	0318	*Eurystomus orientalis*	Dollarbird	P		100	
Animalia	Aves	Pittidae	0352	*Pitta versicolor*	Noisy Pitta	P		84	
Animalia	Aves	Menuridae	0350	*Menura novaehollandiae*	Superb Lyrebird	P		454	
Animalia	Aves	Atrichornithidae	0355	*Atrichornis rufescens*	Rufous Scrub-bird	V,P		42	
Animalia	Aves	Climacteridae	0560	*Climacteris erythrops*	Red-browed Treecreeper	P		60	
Animalia	Aves	Climacteridae	8127	*Climacteris picumnus victoriae*	Brown Treecreeper (eastern subspecies)	V,P		6	
Animalia	Aves	Climacteridae	0558	*Cormobates leucophaea*	White-throated Treecreeper	P		635	
Animalia	Aves	Ptilonorhynchidae	0676	*Ailuroedus crassirostris*	Green Catbird	P		223	
Animalia	Aves	Ptilonorhynchidae	0679	*Ptilonorhynchus violaceus*	Satin Bowerbird	P		337	
Animalia	Aves	Ptilonorhynchidae	0684	*Sericulus chrysocephalus*	Regent Bowerbird	P		86	
Animalia	Aves	Maluridae	0529	*Malurus cyaneus*	Superb Fairy-wren	P		553	
Animalia	Aves	Maluridae	0536	*Malurus lamberti*	Variegated Fairy-wren	P		209	
Animalia	Aves	Maluridae	0541	*Malurus melanocephalus*	Red-backed Fairy-wren	P		16	
Animalia	Aves	Maluridae	0526	*Stipiturus malachurus*	Southern Emu-wren	P		29	
Animalia	Aves	Acanthizidae	0486	*Acanthiza chrysorrhoa*	Yellow-rumped Thornbill	P		17	
Animalia	Aves	Acanthizidae	0470	*Acanthiza lineata*	Striated Thornbill	P		296	
Animalia	Aves	Acanthizidae	0471	*Acanthiza nana*	Yellow Thornbill	P		118	
Animalia	Aves	Acanthizidae	0475	*Acanthiza pusilla*	Brown Thornbill	P		757	
Animalia	Aves	Acanthizidae	0484	*Acanthiza reguloides*	Buff-rumped Thornbill	P		17	
Animalia	Aves	Acanthizidae	9042	*Acanthiza sp.*	Unidentified Thornbill	P		1	
Animalia	Aves	Acanthizidae	0504	*Chthonicola sagittata*	Speckled Warbler	V,P		K	
Animalia	Aves	Acanthizidae	0460	*Gerygone levigaster*	Mangrove Gerygone	P		4	
Animalia	Aves	Acanthizidae	0454	*Gerygone mouki*	Brown Gerygone	P		486	
Animalia	Aves	Acanthizidae	0453	*Gerygone olivacea*	White-throated Gerygone	P		63	
Animalia	Aves	Acanthizidae	0498	*Hylacola pyrrhopygia*	Chestnut-rumped Heathwren	P		1	
Animalia	Aves	Acanthizidae	0493	*Sericornis citreogularis*	Yellow-throated Scrubwren	P		472	
Animalia	Aves	Acanthizidae	0488	*Sericornis frontalis*	White-browed Scrubwren	P		849	
Animalia	Aves	Acanthizidae	T354	*Sericornis frontalis/citreogularis*				1	
Animalia	Aves	Acanthizidae	0494	*Sericornis magnirostra*	Large-billed Scrubwren	P		295	
Animalia	Aves	Acanthizidae	0465	*Smicrornis brevirostris*	Weebill	P		9	
Animalia	Aves	Pardalotidae	0565	*Pardalotus punctatus*	Spotted Pardalote	P		353	
Animalia	Aves	Pardalotidae	0976	*Pardalotus striatus*	Striated Pardalote	P		45	
Animalia	Aves	Meliphagidae	0640	*Acanthagenys rufogularis*	Spiny-cheeked Honeyeater	P		1	
Animalia	Aves	Meliphagidae	0591	*Acanthorhynchus tenuirostris*	Eastern Spinebill	P		428	
Animalia	Aves	Meliphagidae	0638	*Anthochaera carunculata*	Red Wattlebird	P		69	
Animalia	Aves	Meliphagidae	0710	*Anthochaera chrysoptera*	Little Wattlebird	P		105	
Animalia	Aves	Meliphagidae	0603	*Anthochaera phrygia*	Regent Honeyeater	E4A,P	CE	6	

Animalia	Aves	Meliphagidae	0614	*Caligavis chrysops*	Yellow-faced Honeyeater	P		417	
Animalia	Aves	Meliphagidae	0641	*Entomyzon cyanotis*	Blue-faced Honeyeater	P		2	
Animalia	Aves	Meliphagidae	0448	*Epthianura albifrons*	White-fronted Chat	V,P		K	
Animalia	Aves	Meliphagidae	0610	*Gavicalis fasciogularis*	Mangrove Honeyeater	V,P		K	
Animalia	Aves	Meliphagidae	0593	*Gliciphila melanops*	Tawny-crowned Honeyeater	P		6	
Animalia	Aves	Meliphagidae	0598	*Grantiella picta*	Painted Honeyeater	V,P	V	P	
Animalia	Aves	Meliphagidae	0619	*Lichenostomus melanops*	Yellow-tufted Honeyeater	P		1	
Animalia	Aves	Meliphagidae	0597	*Lichmera indistincta*	Brown Honeyeater	P		45	
Animalia	Aves	Meliphagidae	0634	*Manorina melanocephala*	Noisy Miner	P		139	
Animalia	Aves	Meliphagidae	0633	*Manorina melanophrys*	Bell Miner	P		53	
Animalia	Aves	Meliphagidae	0605	*Meliphaga lewinii*	Lewin's Honeyeater	P		1151	
Animalia	Aves	Meliphagidae	0583	*Melithreptus brevirostris*	Brown-headed Honeyeater	P		2	
Animalia	Aves	Meliphagidae	8303	*Melithreptus gularis gularis*	Black-chinned Honeyeater (eastern subspecies)	V,P		P	
Animalia	Aves	Meliphagidae	0578	*Melithreptus lunatus*	White-naped Honeyeater	P		140	
Animalia	Aves	Meliphagidae	0586	*Myzomela sanguinolenta*	Scarlet Honeyeater	P		233	
Animalia	Aves	Meliphagidae	0617	*Nesoptilotis leucotis*	White-eared Honeyeater	P		6	
Animalia	Aves	Meliphagidae	0646	*Philemon citreogularis*	Little Friarbird	P		5	
Animalia	Aves	Meliphagidae	0645	*Philemon corniculatus*	Noisy Friarbird	P		242	
Animalia	Aves	Meliphagidae	0632	*Phylidonyris niger*	White-cheeked Honeyeater	P		125	
Animalia	Aves	Meliphagidae	0631	*Phylidonyris novaehollandiae*	New Holland Honeyeater	P		12	
Animalia	Aves	Meliphagidae	0585	*Plectorhyncha lanceolata*	Striped Honeyeater	P		29	
Animalia	Aves	Meliphagidae	0613	*Ptilotula fuscus*	Fuscous Honeyeater	P		1	
Animalia	Aves	Meliphagidae	0622	*Ptilotula ornatus*	Yellow-plumed Honeyeater	P		2	
Animalia	Aves	Meliphagidae	0625	*Ptilotula penicillatus*	White-plumed Honeyeater	P		1	
Animalia	Aves	Meliphagidae	0594	*Purnella albifrons*	White-fronted Honeyeater	P		1	
Animalia	Aves	Pomatostomidae	8388	*Pomatostomus temporalis temporalis*	Grey-crowned Babbler (eastern subspecies)	V,P		K	
Animalia	Aves	Orthonychidae	0434	*Orthonyx temminckii*	Logrunner	P		107	
Animalia	Aves	Psophodidae	0436	*Cinclosoma punctatum*	Spotted Quail-thrush	P		15	
Animalia	Aves	Psophodidae	0421	*Psophodes olivaceus*	Eastern Whipbird	P		737	
Animalia	Aves	Neosittidae	0549	*Daphoenositta chrysoptera*	Varied Sittella	V,P		54	
Animalia	Aves	Campephagidae	0428	*Coracina lineata*	Barred Cuckoo-shrike	V,P		25	
Animalia	Aves	Campephagidae	0424	*Coracina novaehollandiae*	Black-faced Cuckoo-shrike	P		260	
Animalia	Aves	Campephagidae	8525	*Coracina novaehollandiae melanops*		P		1	
Animalia	Aves	Campephagidae	0425	*Coracina papuensis*	White-bellied Cuckoo-shrike	P		25	
Animalia	Aves	Campephagidae	0429	*Coracina tenuirostris*	Cicadabird	P		101	
Animalia	Aves	Campephagidae	0431	*Lalage leucomela*	Varied Triller	P		7	
Animalia	Aves	Campephagidae	0430	*Lalage sueurii*	White-winged Triller	P		2	
Animalia	Aves	Pachycephalidae	0408	*Colluricincla harmonica*	Grey Shrike-thrush	P		541	
Animalia	Aves	Pachycephalidae	0413	*Colluricincla megarhyncha*	Little Shrike-thrush	P		2	
Animalia	Aves	Pachycephalidae	0416	*Falcunculus frontatus frontatus*	Eastern Shrike-tit	P		79	

Animalia	Aves	Pachycephalidae	0403	*Pachycephala inornata*	Gilbert's Whistler	V,P		1	
Animalia	Aves	Pachycephalidae	0405	*Pachycephala olivacea*	Olive Whistler	V,P		25	
Animalia	Aves	Pachycephalidae	0398	*Pachycephala pectoralis*	Golden Whistler	P		659	
Animalia	Aves	Pachycephalidae	0401	*Pachycephala rufiventris*	Rufous Whistler	P		176	
Animalia	Aves	Oriolidae	0671	*Oriolus sagittatus*	Olive-backed Oriole	P		142	
Animalia	Aves	Oriolidae	0432	*Sphecotheres vieilloti*	Australasian Figbird	P		56	
Animalia	Aves	Artamidae	0547	*Artamus cyanopterus*	Dusky Woodswallow	P		19	
Animalia	Aves	Artamidae	0543	*Artamus leucorynchus*	White-breasted Woodswallow	P		28	
Animalia	Aves	Artamidae	0544	*Artamus personatus*	Masked Woodswallow	P		5	
Animalia	Aves	Artamidae	T040	*Artamus sp.*		P		2	
Animalia	Aves	Artamidae	0545	*Artamus superciliosus*	White-browed Woodswallow	P		6	
Animalia	Aves	Artamidae	0700	*Cracticus nigrogularis*	Pied Butcherbird	P		115	
Animalia	Aves	Artamidae	8495	*Cracticus nigrogularis nigrogularis*		P		1	
Animalia	Aves	Artamidae	0705	*Cracticus tibicen*	Australian Magpie	P		294	
Animalia	Aves	Artamidae	8499	*Cracticus tibicen tibicen*		P		3	
Animalia	Aves	Artamidae	0702	*Cracticus torquatus*	Grey Butcherbird	P		255	
Animalia	Aves	Artamidae	8489	*Cracticus torquatus torquatus*		P		3	
Animalia	Aves	Artamidae	0696	*Strepera fuliginosa*	Black Currawong	P		1	
Animalia	Aves	Artamidae	0694	*Strepera graculina*	Pied Currawong	P		450	
Animalia	Aves	Dicruridae	0673	*Dicrurus bracteatus*	Spangled Drongo	P		94	
Animalia	Aves	Rhipiduridae	0361	*Rhipidura albiscapa*	Grey Fantail	P		818	
Animalia	Aves	Rhipiduridae	8447	*Rhipidura albiscapa alisteri*		P		3	
Animalia	Aves	Rhipiduridae	0364	*Rhipidura leucophrys*	Willie Wagtail	P		147	
Animalia	Aves	Rhipiduridae	0362	*Rhipidura rufifrons*	Rufous Fantail	P		273	
Animalia	Aves	Corvidae	0930	*Corvus coronoides*	Australian Raven	P		211	
Animalia	Aves	Corvidae	9902	*Corvus orru*	Torresian Crow	P		99	
Animalia	Aves	Corvidae	9067	*Corvus sp.*	Unidentified Corvid	P		12	
Animalia	Aves	Corvidae	0868	*Corvus tasmanicus*	Forest Raven	P		39	
Animalia	Aves	Monarchidae	0376	*Carterornis leucotis*	White-eared Monarch	V,P		1	
Animalia	Aves	Monarchidae	0415	*Grallina cyanoleuca*	Magpie-lark	P		185	
Animalia	Aves	Monarchidae	0373	*Monarcha melanopsis*	Black-faced Monarch	P		238	
Animalia	Aves	Monarchidae	0366	*Myiagra cyanoleuca*	Satin Flycatcher	P		14	
Animalia	Aves	Monarchidae	9955	*Myiagra inquieta*	Restless Flycatcher	P		13	
Animalia	Aves	Monarchidae	0365	*Myiagra rubecula*	Leaden Flycatcher	P		68	
Animalia	Aves	Monarchidae	9078	*Myiagra sp.*	unidentified Flycatcher	P		7	
Animalia	Aves	Monarchidae	0375	*Symposiachrus trivirgatus*	Spectacled Monarch	P		73	
Animalia	Aves	Corcoracidae	0693	*Corcorax melanorhamphos*	White-winged Chough	P		1	
Animalia	Aves	Paradisaeidae	0686	*Ptiloris paradiseus*	Paradise Riflebird	P		37	
Animalia	Aves	Petroicidae	0392	*Eopsaltria australis*	Eastern Yellow Robin	P		996	
Animalia	Aves	Petroicidae	8367	*Melanodryas cucullata cucullata*	Hooded Robin (south-eastern form)	V,P		P	
Animalia	Aves	Petroicidae	0377	*Microeca fascinans*	Jacky Winter	P		39	
Animalia	Aves	Petroicidae	0380	*Petroica boodang*	Scarlet Robin	V,P		13	
Animalia	Aves	Petroicidae	0381	*Petroica goodenovii*	Red-capped Robin	P		1	
Animalia	Aves	Petroicidae	0382	*Petroica phoenicea*	Flame Robin	V,P		13	
Animalia	Aves	Petroicidae	0384	*Petroica rosea*	Rose Robin	P		176	
Animalia	Aves	Petroicidae	0396	*Tregellasia capito*	Pale-yellow Robin	P		65	
Animalia	Aves	Alaudidae	0648	*Mirafra javanica*	Horsfield's Bushlark	P		1	
Animalia	Aves	Cisticolidae	0525	*Cisticola exilis*	Golden-headed Cisticola	P		18	
Animalia	Aves	Acrocephalidae	0524	*Acrocephalus australis*	Australian Reed-Warbler	P		50	
Animalia	Aves	Acrocephalidae	0872	*Acrocephalus orientalis*	Oriental Reed-Warbler	P	C,K	1	
Animalia	Aves	Megaluridae	0508	*Cincloramphus cruralis*	Brown Songlark	P		1	
Animalia	Aves	Megaluridae	0509	*Cincloramphus mathewsi*	Rufous Songlark	P		2	
Animalia	Aves	Megaluridae	0522	*Megalurus gramineus*	Little Grassbird	P		14	
Animalia	Aves	Megaluridae	0523	*Megalurus timoriensis*	Tawny Grassbird	P		11	

Animalia	Aves	Timaliidae	0574	*Zosterops lateralis*		Silvereye	P		354	
Animalia	Aves	Hirundinidae	0358	*Cheramoeca leucosterna*		White-backed Swallow	P		2	
Animalia	Aves	Hirundinidae	0357	*Hirundo neoxena*		Welcome Swallow	P		150	
Animalia	Aves	Hirundinidae	8568	*Hirundo neoxena neoxena*			P		2	
Animalia	Aves	Hirundinidae	0360	*Petrochelidon ariel*		Fairy Martin	P		22	
Animalia	Aves	Hirundinidae	0359	*Petrochelidon nigricans*		Tree Martin	P		19	
Animalia	Aves	Turdidae	0780	*Zoothera heinei*		Russet-tailed Thrush	P		2	
Animalia	Aves	Turdidae	0779	*Zoothera lunulata*		Bassian Thrush	P		19	
Animalia	Aves	Turdidae	7000	*Zoothera sp.*		unidentified ground thrush	P		152	
Animalia	Aves	Sturnidae	0998	*Sturnus tristis*	*	Common Myna			32	
Animalia	Aves	Sturnidae	0999	*Sturnus vulgaris*	*	Common Starling			26	
Animalia	Aves	Nectariniidae	0564	*Dicaeum hirundinaceum*		Mistletoebird	P		134	
Animalia	Aves	Estrildidae	0657	*Lonchura castaneothorax*		Chestnut-breasted Mannikin	P		10	
Animalia	Aves	Estrildidae	0662	*Neochmia temporalis*		Red-browed Finch	P		1104	
Animalia	Aves	Estrildidae	8621	*Neochmia temporalis temporalis*			P		1	
Animalia	Aves	Estrildidae	0652	*Stagonopleura guttata*		Diamond Firetail	V,P		K	
Animalia	Aves	Estrildidae	0655	*Taeniopygia bichenovii*		Double-barred Finch	P		3	
Animalia	Aves	Passeridae	0995	*Passer domesticus*	*	House Sparrow			25	
Animalia	Aves	Motacillidae	0647	*Anthus novaeseelandiae*		Australian Pipit	P		22	
Animalia	Mammalia	Ornithorhynchidae	1001	*Ornithorhynchus anatinus*		Platypus	P		127	
Animalia	Mammalia	Tachyglossidae	1003	*Tachyglossus aculeatus*		Short-beaked Echidna	P		237	
Animalia	Mammalia	Dasyuridae	1027	*Antechinus flavipes*		Yellow-footed Antechinus	P		17	
Animalia	Mammalia	Dasyuridae	T093	*Antechinus sp.*		Unidentified Antechinus	P		8	
Animalia	Mammalia	Dasyuridae	1674	*Antechinus stuartii*		Brown Antechinus	P		298	
Animalia	Mammalia	Dasyuridae	1033	*Antechinus swainsonii*		Dusky Antechinus	P		22	
Animalia	Mammalia	Dasyuridae	T105	*Dasyuridae sp.*		unidentified dasyurid	P		15	
Animalia	Mammalia	Dasyuridae	1008	*Dasyurus maculatus*		Spotted-tailed Quoll	V,P	E	543	
Animalia	Mammalia	Dasyuridae	1017	*Phascogale tapoatafa*		Brush-tailed Phascogale	V,P		47	
Animalia	Mammalia	Dasyuridae	1045	*Planigale maculata*		Common Planigale	V,P		9	
Animalia	Mammalia	Dasyuridae	1061	*Sminthopsis murina*		Common Dunnart	P		8	
Animalia	Mammalia	Dasyuridae	1800	*Sminthopsis sp.*		Dunnart	P		1	
Animalia	Mammalia	Peramelidae	1093	*Isoodon macrourus*		Northern Brown Bandicoot	P		121	
Animalia	Mammalia	Peramelidae	9047	*Isoodon sp.*		Unidentified Brown Bandicoot	P		2	
Animalia	Mammalia	Peramelidae	T081	*Isoodon/Perameles sp.*		unidentified Bandicoot	P		88	
Animalia	Mammalia	Peramelidae	1097	*Perameles nasuta*		Long-nosed Bandicoot	P		347	
Animalia	Mammalia	Phascolarctidae	1162	*Phascolarctos cinereus*		Koala	V,P	V	2418	
Animalia	Mammalia	Vombatidae	1165	*Vombatus ursinus*		Common Wombat	P		34	
Animalia	Mammalia	Burramyidae	1150	*Cercartetus nanus*		Eastern Pygmy-possum	V,P		6	
Animalia	Mammalia	Petauridae	1136	*Petaurus australis*		Yellow-bellied Glider	V,P		449	
Animalia	Mammalia	Petauridae	1138	*Petaurus breviceps*		Sugar Glider	P		401	
Animalia	Mammalia	Petauridae	T103	*Petaurus breviceps\norfolcensis*		Sugar\Squirrel Glider	P		1	
Animalia	Mammalia	Petauridae	1137	*Petaurus norfolcensis*		Squirrel Glider	V,P		55	
Animalia	Mammalia	Petauridae	T107	*Petaurus/Petauroides sp.*		unidentified glider	P		1	
Animalia	Mammalia	Pseudocheiridae	1133	*Petauroides volans*		Greater Glider	P		481	
Animalia	Mammalia	Pseudocheiridae	1129	*Pseudocheirus peregrinus*		Common Ringtail Possum	P		206	
Animalia	Mammalia	Acrobatidae	1147	*Acrobates pygmaeus*		Feathertail Glider	P		41	
Animalia	Mammalia	Phalangeridae	1735	*Trichosurus caninus*		Short-eared Possum	P		471	

Animalia	Mammalia	Phalangeridae	T082	*Trichosurus sp.*	brushtail possum	P		175	
Animalia	Mammalia	Phalangeridae	1113	*Trichosurus vulpecula*	Common Brushtail Possum	P		341	
Animalia	Mammalia	Potoroidae	1187	*Aepyprymnus rufescens*	Rufous Bettong	V,P		8	
Animalia	Mammalia	Potoroidae	1175	*Potorous tridactylus*	Long-nosed Potoroo	V,P	V	11	
Animalia	Mammalia	Macropodidae	T108	*Macropod sp.*	unidentified macropod	P		12	
Animalia	Mammalia	Macropodidae	1265	*Macropus giganteus*	Eastern Grey Kangaroo	P		213	
Animalia	Mammalia	Macropodidae	1245	*Macropus parma*	Parma Wallaby	V,P		29	
Animalia	Mammalia	Macropodidae	1266	*Macropus robustus*	Common Wallaroo	P		1	
Animalia	Mammalia	Macropodidae	1261	*Macropus rufogriseus*	Red-necked Wallaby	P		185	
Animalia	Mammalia	Macropodidae	1789	*Macropus rufogriseus banksianus*		P		2	
Animalia	Mammalia	Macropodidae	T085	*Macropus sp.*	kangaroo / wallaby	P		6	
Animalia	Mammalia	Macropodidae	1215	*Petrogale penicillata*	Brush-tailed Rock-wallaby	E1,P	V	1	
Animalia	Mammalia	Macropodidae	T102	*Thylogale sp.*	Unidentified Pademelon	P		2	
Animalia	Mammalia	Macropodidae	1234	*Thylogale stigmatica*	Red-legged Pademelon	V,P		1	
Animalia	Mammalia	Macropodidae	1236	*Thylogale thetis*	Red-necked Pademelon	P		322	
Animalia	Mammalia	Macropodidae	1242	*Wallabia bicolor*	Swamp Wallaby	P		2781	
Animalia	Mammalia	Pteropodidae	1282	*Pteropus alecto*	Black Flying-fox	P		13	
Animalia	Mammalia	Pteropodidae	1280	*Pteropus poliocephalus*	Grey-headed Flying-fox	V,P	V	288	
Animalia	Mammalia	Pteropodidae	1281	*Pteropus scapulatus*	Little Red Flying-fox	P		20	
Animalia	Mammalia	Pteropodidae	T087	*Pteropus sp.*	Flying-fox	P		2	
Animalia	Mammalia	Pteropodidae	1294	*Syconycteris australis*	Common Blossom-bat	V,P		7	
Animalia	Mammalia	Rhinolophidae	1303	*Rhinolophus megaphyllus*	Eastern Horseshoe-bat	P		120	
Animalia	Mammalia	Emballonuridae	1321	*Saccolaimus flaviventris*	Yellow-bellied Sheathtail-bat	V,P		4	
Animalia	Mammalia	Molossidae	1324	*Austronomus australis*	White-striped Freetail-bat	P		34	
Animalia	Mammalia	Molossidae	1329	*Mormopterus norfolkensis*	Eastern Freetail-bat	V,P		33	
Animalia	Mammalia	Molossidae	9065	*Mormopterus norfolkensis/sp 1*	Unidentified Mastiff-bat	P		4	
Animalia	Mammalia	Molossidae	1326	*Mormopterus planiceps*	Little Mastiff-bat	P		2	
Animalia	Mammalia	Molossidae	1938	*Mormopterus ridei*	Eastern Free-tailed Bat			32	
Animalia	Mammalia	Molossidae	T091	*Mormopterus sp.*	mastiff-bat	P		3	
Animalia	Mammalia	Vespertilionidae	1353	*Chalinolobus dwyeri*	Large-eared Pied Bat	V,P	V	K	
Animalia	Mammalia	Vespertilionidae	1349	*Chalinolobus gouldii*	Gould's Wattled Bat	P		81	
Animalia	Mammalia	Vespertilionidae	1351	*Chalinolobus morio*	Chocolate Wattled Bat	P		129	
Animalia	Mammalia	Vespertilionidae	1354	*Chalinolobus nigrogriseus*	Hoary Wattled Bat	V,P		2	
Animalia	Mammalia	Vespertilionidae	1372	*Falsistrellus tasmaniensis*	Eastern False Pipistrelle	V,P		15	
Animalia	Mammalia	Vespertilionidae	1369	*Kerivoula papuensis*	Golden-tipped Bat	V,P		46	
Animalia	Mammalia	Vespertilionidae	1346	*Miniopterus australis*	Little Bentwing-bat	V,P		178	
Animalia	Mammalia	Vespertilionidae	1834	*Miniopterus schreibersii oceanensis*	Eastern Bentwing-bat	V,P		98	
Animalia	Mammalia	Vespertilionidae	1357	*Myotis macropus*	Southern Myotis	V,P		548	

Animalia	Mammalia	Vespertilionidae	T315	*Nyctophilus corbeni*		Corben's Long-eared Bat	V,P	V	K	
Animalia	Mammalia	Vespertilionidae	1335	*Nyctophilus geoffroyi*		Lesser Long-eared Bat	P		54	
Animalia	Mammalia	Vespertilionidae	1334	*Nyctophilus gouldi*		Gould's Long-eared Bat	P		191	
Animalia	Mammalia	Vespertilionidae	T092	*Nyctophilus sp.*		long-eared bat	P		25	
Animalia	Mammalia	Vespertilionidae	1361	*Scoteanax rueppellii*		Greater Broad-nosed Bat	V,P		49	
Animalia	Mammalia	Vespertilionidae	1365	*Scotorepens orion*		Eastern Broad-nosed Bat	P		51	
Animalia	Mammalia	Vespertilionidae	9029	*Scotorepens sp 1*		Central-eastern Broad-nosed Bat	P		4	
Animalia	Mammalia	Vespertilionidae	T089	*Scotorepens sp.*		Unidentified broad-nosed bat	P		19	
Animalia	Mammalia	Vespertilionidae	1022	*Vespadelus darlingtoni*		Large Forest Bat	P		65	
Animalia	Mammalia	Vespertilionidae	1377	*Vespadelus pumilus*		Eastern Forest Bat	P		370	
Animalia	Mammalia	Vespertilionidae	1378	*Vespadelus regulus*		Southern Forest Bat	P		63	
Animalia	Mammalia	Vespertilionidae	T088	*Vespadelus sp.*		Unidentified Eptesicus	P		59	
Animalia	Mammalia	Vespertilionidae	1025	*Vespadelus troughtoni*		Eastern Cave Bat	V,P		24	
Animalia	Mammalia	Vespertilionidae	1379	*Vespadelus vulturnus*		Little Forest Bat	P		283	
Animalia	Mammalia	Muridae	1415	*Hydromys chrysogaster*		Water-rat	P		12	
Animalia	Mammalia	Muridae	1500	*Melomys burtoni*		Grassland Melomys	P		7	
Animalia	Mammalia	Muridae	1497	*Melomys cervinipes*		Fawn-footed Melomys	P		8	
Animalia	Mammalia	Muridae	T104	*Muridae sp.*		unidentified murid rodent	P		1	
Animalia	Mammalia	Muridae	1412	*Mus musculus*	*	House Mouse			106	
Animalia	Mammalia	Muridae	1466	*Pseudomys gracilicaudatus*		Eastern Chestnut Mouse	V,P		29	
Animalia	Mammalia	Muridae	1455	*Pseudomys novaehollandiae*		New Holland Mouse	P	V	K	
Animalia	Mammalia	Muridae	1464	*Pseudomys oralis*		Hastings River Mouse	E1,P	E	8	
Animalia	Mammalia	Muridae	1395	*Rattus fuscipes*		Bush Rat	P		255	
Animalia	Mammalia	Muridae	1398	*Rattus lutreolus*		Swamp Rat	P		285	
Animalia	Mammalia	Muridae	1409	*Rattus norvegicus*	*	Brown Rat			3	
Animalia	Mammalia	Muridae	1408	*Rattus rattus*	*	Black Rat			71	
Animalia	Mammalia	Muridae	T094	*Rattus sp.*		rat	P		383	
Animalia	Mammalia	Dugongidae	1558	*Dugong dugon*		Dugong	E1,P		4	
Animalia	Mammalia	Otariidae	1543	*Arctocephalus forsteri*		New Zealand Fur-seal	V,P		1	
Animalia	Mammalia	Otariidae	1882	*Arctocephalus pusillus doriferus*		Australian Fur-seal	V,P		3	
Animalia	Mammalia	Otariidae	1013	*Arctocephalus tropicalis*		Subantarctic Fur-seal	P		2	
Animalia	Mammalia	Phocidae	1549	*Hydrurga leptonyx*		Leopard Seal	P		5	
Animalia	Mammalia	Canidae	T106	*Canidae sp.*	*	unidentified canid			7	
Animalia	Mammalia	Canidae	1531	*Canis lupus*	*	Dingo, domestic dog			328	
Animalia	Mammalia	Canidae	1904	*Canis lupus dingo*	*	Dingo			22	
Animalia	Mammalia	Canidae	1905	*Canis lupus familiaris*	*	Dog			36	
Animalia	Mammalia	Canidae	1532	*Vulpes vulpes*	*	Fox			575	
Animalia	Mammalia	Felidae	1536	*Felis catus*	*	Cat			65	
Animalia	Mammalia	Leporidae	1511	*Lepus capensis*	*	Brown Hare			19	
Animalia	Mammalia	Leporidae	1510	*Oryctolagus cuniculus*	*	Rabbit			27	
Animalia	Mammalia	Equidae	1513	*Equus asinus*	*	Donkey			1	
Animalia	Mammalia	Equidae	1512	*Equus caballus*	*	Horse			4	
Animalia	Mammalia	Suidae	1514	*Sus scrofa*	*	Pig			6	
Animalia	Mammalia	Bovidae	1518	*Bos taurus*	*	European cattle			7	
Animalia	Mammalia	Bovidae	1521	*Capra hircus*	*	Goat			6	
Animalia	Mammalia	Cervidae	1526	*Cervus elaphus*	*	Red Deer			13	
Animalia	Mammalia	Cervidae	9112	*Cervus sp.*	*	Unidentified Deer			230	
Animalia	Mammalia	Cervidae	1528	*Cervus timorensis*	*	Rusa Deer			32	
Animalia	Mammalia	Cervidae	1523	*Dama dama*	*	Fallow Deer			14	
Animalia	Mammalia	Balaenidae	1561	*Eubalaena australis*		Southern Right Whale	E1,P	E	K	

Animalia	Mammalia	Balaenopteridae	1567	*Balaenoptera musculus*		Blue Whale	E1,P	E	K	
Animalia	Mammalia	Balaenopteridae	1575	*Megaptera novaeangliae*		Humpback Whale	V,P	V	1	
Animalia	Mammalia	Physeteridae	1578	*Physeter macrocephalus*		Sperm Whale	V,P		K	
Animalia	Mammalia	Kogiidae	1581	*Kogia breviceps*		Pygmy Sperm Whale	P		2	
Animalia	Mammalia	Delphinidae	9039	*Dolphin sp.*		Unidentified Dolphin	P		1	
Animalia	Mammalia	Delphinidae	1609	*Grampus griseus*		Risso's Dolphin	P		1	
Animalia	Mammalia	Delphinidae	1600	*Orcinus orca*		Killer Whale	P		1	
Animalia	Mammalia	Delphinidae	1639	*Peponocephala electra*		Melon-headed Whale	P		4	
Animalia	Mammalia	Delphinidae	1655	*Sousa chinensis*		Indo-Pacific Hump-backed Dolphin	P		1	
Animalia	Mammalia	Delphinidae	1621	*Stenella attenuata*		Spotted Dolphin	P		1	
Animalia	Mammalia	Delphinidae	1619	*Stenella coeruleoalba*		Striped Dolphin	P		1	
Animalia	Mammalia	Delphinidae	1899	*Tursiops aduncus*		Long-beaked Bottle-nosed Dolphin	P		5	
Animalia	Mammalia	Delphinidae	1900	*Tursiops truncatus*		Bottlenose Dolphin	P		6	
Animalia	Insecta	Hesperiidae	I023	*Ocybadistes knightorum*		Black Grass-dart Butterfly	E1		K	
Animalia	Insecta	Nymphalidae	I024	*Argynnis hyperbius*		Laced Fritillary	E1		K	
Animalia	Insecta	Nymphalidae	I027	*Danaus plexippus*	*	Monarch Butterfly			1	
Animalia	Insecta	Nymphalidae	I139	*Doleschallia bisaltide*		Leafwing			1	
Animalia	Insecta	Nymphalidae	I032	*Junonia villida calybe*		Meadow Argus Butterfly			1	
Animalia	Insecta	Papilionidae	I030	*Papilio aegeus*		Large Citrus Butterfly			1	
Animalia	Insecta	Pieridae	I105	*Delias nigrina*		common jezabel			1	
Animalia	Insecta	Petaluridae	I007	*Petalura gigantea*		Giant Dragonfly	E1		2	
Animalia	Insecta	Aeshnidae	I513	*Adversaeschna brevistyla*		Bluespotted Hawker			1	
Animalia	Insecta	Lindeniidae	T334	*Ictinogomphus sp.*					1	
Animalia	Unknown	Unknown Fauna	T355	*Bird sp.*		Unidentified Bird			38	
Animalia	Unknown	Unknown Fauna	T350	*Fauna sp.*		Unidentified Fauna			17	
Animalia	Unknown	Unknown Fauna	T351	*Mammal sp.*		Unidentified Mammal			9	
Animalia	Unknown	Unknown Fauna	T353	*Small mammal sp.*		Unidentified small mammal (<500g)			91	
Animalia	Malacostraca	Atyidae	T326	*Australatya striolata*		Riffle Shrimp			2	
Animalia	Insecta	Eriococcidae	I475	*Apiomorpha annulata*					1	
Animalia	Insecta	Eriococcidae	I477	*Apiomorpha nookara*					1	
Animalia	Insecta	Belostomatidae	T329	*Diplonychus eques*					3	
Animalia	Insecta	Belostomatidae	I413	*Lethocerus insulanus*					3	
Animalia	Insecta	Dytiscidae	T344	*Hydaticus sp.*					1	
Animalia	Insecta	Dytiscidae	T338	*Hyphydrus sp.*					1	
Animalia	Insecta	Dytiscidae	T325	*Rhantus suturalis*					7	
Animalia	Gastropoda	Planorbidae	T336	*Glyptophysa gibbosa*					1	
Animalia	Gastropoda	Planorbidae	T342	*Glyptophysa sp.*					4	
Animalia	Insecta	Hygrobiidae	T337	*Hygrobia sp.*					3	