Cocos (Keeling) Islands
Geographic Information System

System Documentation

Prepared for the
Territories Office,
Department of Regional Australia, Regional Development and Local Government

by Keith Porritt and others
GEOSCIENCE AUSTRALIA

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Geoscience Australia

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Disclaimer

The data in this GIS were assembled by the Mineral Resources and Advice Project of Geoscience Australia (GA). In compiling the product, GA has translated and integrated data as received from many other sources. GA has undertaken initial checks as to the accuracy or completeness of these externally supplied datasets and the result of these examinations are reported throughout this documentation manual.

It should be noted that the Cocos GIS datasets may contain information that is not totally accurate or complete. Therefore you should not rely solely on the information in this GIS when making a commercial decision. Please read the accompanying documentation and where further information is required please contact:

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Acknowledgments

Cocos GIS Team

The Mineral Resources and Advice Project of Geoscience Australia would like to acknowledge the support of Ms. Debra Blaskett and Mr. Peter Lawler of Territories Office whose efforts made the undertaking of this work possible.

A number of people from GA contributed to the Cocos (Keeling) Islands GIS. Jane Bryan processed the satellite imagery and utilities data, projected the data to UTM(WGS84) and provided documentation updates. Martin Sholtez developed a substantial proportion of the HTML documentation and contributed data edits and documentation for a number of datasets. Dr. William McKay provided management support and advice and reviewed the 2001 release of this documentation. Neal Evans advised on and checked data and documentation issues. Geoff Lawford contributed quality assurance and quality control checks.

Through this team effort valuable spatial and attribute data, that over time may have become lost, are now readily accessible in one integrated system.

Cocos GIS Data

Data capture was commissioned by Territories Office in a variety of projects over the last fifteen years for all data sets except for the November 2003 satellite image which is from the Department of Environment and Heritage under a limited multi-user licence:

LandInfo Canberra generated orthophotography from aerial photography flown by the Australian Survey Office Canberra on 5-Apr-87.

The Australian Land Information Group (AUSLIG) digitised cultural and topographic themes for the Cocos (Keeling) Islands at both Canberra and Western Region offices in the early 1990's on behalf of Territories Office.

The National Capital Planning Authority (NCPA) was commissioned by the Commonwealth Government to carry out a planning study that assembled the *Land Use Plan and Planning Scheme* data dated February 1992.

The Western Australian Department of Lands Administration (DoLA) extracted the cadastre snapshot packaged on this DVD set from the DoLA database on 30-Dec-99. Responsibility for the cadastral information passed from AUSLIG to DOLA in 1992. On-going maintenance of cadastre is undertaken by DLI under a Memorandum of Arrangement with Territories Office.

AUSLIG, DOLA and the Australian Valuation Office (AVO) jointly developed data underpinning the March 1996 ground audit of Cocos (Keeling) Islands through Australian Estate Management (AEM) as consultants to Territories Office.

Environment Australia is the custodian of the marine environment data referred to as *Environment Australia (1998) Whelans Cocos GIS (1998).* A separate licence agreement applies to this data set (see Chapter 8).

Gutteridge Haskins &Davey (GHD) Pty Ltd assembled the utilities data and the 2003 cadastre from Computer Assisted Drawing (CAD) over a period from 1994 to 25-03-2003.

The Cocos (Keeling) Islands

The Cocos (Keeling) Islands are one of Australia's Indian Ocean Territories. They are located in the Indian Ocean 2,950 kms north-west of Perth, 3,700 kms west of Darwin, and 900 kms south west of Christmas Island (96° 52' East' 12° 10' South). There are 27 coral islands in the group, with a total land area of approximately 14km^2.

Geography and Climate

Apart from North Keeling Island, which is approximately 30kms from the main group, the islands form a typical horseshoe-shaped atoll surrounded by a coral reef.
Each island has rough coral beaches to seaward and sandy beaches or mudflats on the lagoon side. The Islands are low lying and most are thickly covered with coconut palms.

Wildlife consists mainly of seabirds, such as frigatebirds and booby birds, which are restricted to uninhabited islands, especially North Keeling. Land crabs are common on all islands.

The climate is tropical with high humidity. Temperatures range from 20°C to 30°C. The average rainfall is 2000mm per annum, falling mainly from January to August. The south-east trade winds blow most of the year, producing pleasant weather conditions.

Social Aspects

The population of the Cocos (Keeling) Islands was estimated at 675 persons in November 1998. This represents a slight increase from the figure of 655 persons reported at the 1996 census. The 1998 population comprised 552 persons on Home Island and 123 persons on West Island.

Home Island is the location of the Cocos Malay community. The Cocos Malays have significant social and cultural links to communities in Asia (particularly Sabah) and Western Australia. West Island's population comprises mainland-based public servants and contractors, long term residents and their families.

Copra provided an initial base for the Cocos (Keeling) Islands economy. The public sector is now the largest area of economic activity, although contracting out of activities has provided increased opportunities for the private sector. Tourism is potentially a significant area of economic activity in the Cocos (Keeling) Islands. Local attractions include diving, fishing and wind-surfing.

Chapter 1

Introduction

Background

This documentation accompanies the delivery of the Cocos (Keeling) Islands Geographic Information System (Cocos GIS) to the Department Regional Australia, Regional Development and Local Government (Territories Office), on completion of Stage 2 (2011). The major tasks and activities associated with the project are as set out in the Memorandum of Arrangement (MoA) with Territories Office dated 10th October 1999 (Chapter 7).

General Features

The Cocos (Keeling) Islands Geographic Information System is a collection of spatial data, viewing and analysis tools dealing with the Cocos (Keeling) Islands. The data include orthophotography, topographic, cultural and environmental features both of the islands and the ocean immediately surrounding them.

Compilation of data and its organisation into a GIS together with documentation was undertaken by the Geoscience Australia (GA) at the request of the Territories Office, Department of Regional Australia, Regional Development and Local Government.

The data are presented in QuantumGIS (QGIS) projects. QGIS is a free viewer and is distributed with the Cocos GIS DVD. Data are stored as ESRI shapefiles and therefore readily useable with most modern GIS applications.

Data were received from a variety of custodians and in many cases had no accompanying documentation. Lack of documentation made it increasingly difficult for GA with interpretation, translation and documentation of data. GA has attempted to include metadata for all datasets to ANZLIC core metadata standards, but the value of this is limited by the poor initial documentation. In addition to limited documentation, many datasets had inconsistent spatial accuracy.

In some cases further work could be done by GA to improve the value of the data, but this would be beyond the scope of the current MoA.

Getting Started

The DVD automatically runs a web (HTML) document containing details and tools for getting started with the Cocos (Keeling) Islands GIS. A hard copy of this document is included with this documentation in Chapter 5.

Chapter 2

Thematic Layers and Data

Viewers

The Cocos GIS DVD contains OsGeo's data viewer QuantumGIS (QGIS). This enables viewing of all the vector data and the TIFF versions of the raster data.

If editing or more complex GIS analysis is required, ArcView GIS should be used. GA has made every effort to correct errors in the source data. Use in ArcInfo or most other available GIS software packages should be straightforward.

Data Formats

The Cocos GIS uses ESRI shapefiles as its major vector format. This enables editing within QGIS rather than requiring a more expensive software package. It also allows preservation of 3-D data components. The existence of a 3-D component, which enables easy viewing in a 3-D viewer such as ArcView's 3-D Analyst, was preserved wherever possible to maximise data value. In cases where this may limit shapefile portability to other software packages, the 3-D component can be removed by saving as a 2-D shapefile from ArcView.

The primary format for raster data is uncompressed Tagged Image File Format (TIFF) full colour. A secondary format is Enhanced Compressed Wavelet (ECW) format (a compressed format distributed with ERMapper and viewable in ArcView after the installation of a plug-in). This format significantly reduces file size and is quick to view. GA has observed some spatial accuracy variability at higher resolutions with some ECW format images.

Source files are in a variety of formats, as received from the data custodian. Source formats include Microstation Design Files (DGN), ESRI Shapefiles, ESRI Coverages, ESRI ArcInfo Export (E00), MapInfo (TAB, MID/MIF) as well as various tabular and database formats.

Projection

The 2011 Cocos GIS stores data in the UTM(WGS84) projection. Earlier versions of the Cocos GIS used the Cocos (Keeling) Islands Grid 1992 (CKIG92). This data has been projected to UTM(WGS84) Zone 47 using the ArcView projection wizard, and the ERMapper Geocoding wizard.

COCOS (KEELING) ISLAND GRID 1992 (CKIG92)

Projection: Universal Transverse Mercator Zone 47 South
Datum: WGS 1984
Spheroid: WGS 1984
False Easting: 500000
False Northing: 10000000
Central Meridian: 99
Latitude of Origin: 0, 0
Scale Factor: 0.9996
Units: metres.

Projection files (.prj) have been provided with each shapefile for use in Quantum GIS. Be aware that projection files can cause problems if loading shapefiles into ArcExplorer.

For more information about projecting using ArcView, refer to 'CocosGIS\document\ reprojecting_shapefiles_arcview.doc' located on the DVD. For more information about adding the CKIG92 projection to ERMapper , refer to 'CocosGIS\\document\Adding_CKIG92_to_ERmapper.txt' located on the DVD.

Satellite Imagery

Please read the license for terms and conditions of using the satellite imagery contained the DVD. It is located in the '/CocosGIS/document/licenses' directory under the name of 'MULTIPLE_ORGANIZATION.TXT'. There is also a copy in Chapter 8: Data Licensing and Agreements of this manual.

If you are unsure whether you are a registered user of the satellite imagery please consult the 'registered_users.pdf' file in the same directory. Alternately there is a list of registered organisations at the end of this section and also in Chapter 8: Data Licensing and Agreements.

Quickbird satellite imagery of Cocos (Keeling) Islands was commissioned by the Department of Environment and Heritage in mid 2003. All of the Southern Atoll was supplied to the Australian Government by DigitalGlobe in November 2003 and North Keeling Island was sensed in January 2004. The Quickbird satellite recorded reflectance data of the islands in the red, green, blue, near infra-red and panchromatic bands, in 11 bit format. The resolution of the sharpened satellite imagery is 0.6m/pixel.

Geoscience Australia was supplied with the full multi-spectral data for the Cocos (Keeling) Islands in the form of an 8 bit TIFF image containing the red, green, blue and near infra-red bands. The panchromatic band was also supplied as an 8-bit TIFF. DigitalGlobe undertook pan-sharpening of the satellite imagery, in the process dividing the imagery into four sections. Four 8-bit pan-sharpened TIFFs, one for each of the four sections, containing the red, green and blue bands was supplied to GA. Each pixel on the pan sharpened imagery represents 0.6m. Further details regarding the satellite imagery can be viewed in the full DigitalGlobe documentation
'CocosGIS\data\sat_imagery\ DigGlobe_productguide_2003.pdf'.

Figure 1: The Cocos (Keeling) Islands as reprojected as one whole image.

All satellite images were supplied to Geoscience Australia in UTM WGS84 Geographics. GA joined the images using ER Mapper 6.4 and then using the ER Mapper Geocoding Wizard GA reprojected the full image into UTM GDA94. [Previously due to restrictions in computer processing power and a file size limit in ER Mapper 6.3 the four pan sharpened images were reprojected separately which led to gaps appearing at the joins in the four sections.]

Also received from Digital Globe was a satellite image of North Keeling Island. As with the other satellite imagery this was supplied as a multi-chromatic, a pan-chromatic image and a pan sharpened. Using the ER Mapper Geocoding Wizard Geoscience Australia reprojected the image into UTM GDA94.

DigitalGlobe advise that the positional accuracy of the imagery is +/-14.7m RMSE (Root Mean Square Error). Due to this low level of positional accuracy, an XY shift was also applied to more accurately position the imagery by correlation with the lodged cadastre on screen as follows:
Before cadastral re-alignment (see cadastre section of manual):
X=16.9m East
Y=6.9m South
After cadastral re-alignment
X=2.4m West
Y=3.14m South
This shift brought the imagery inline with the current cadastre and reprojected orthophotography.

Figure 2: North Keeling Island satellite imagery after reprojection. Notice that shallow waters around the island become obvious.

Due to disk space limitations these images are stored in ECW (Enhanced Compressed Wavelet) format. The main Cocos Island group is stored in the 'CocosGIS\data\sat_imagery\ecw' directory under the filename of 'cocos_satim.ecw'. The North Keeling Island ECW is located in the same directory with the filename 'nth_keeling.ecw'

	Registered Organisations
1	Department of Regional Australia, Regional Development and Local Government
2	Cocos (Keeling) Islands Shire
3	Geoscience Australia
4	WA Department of Industry and Resources
5	WA Department of Land Administration
6	WA Department for Planning and Infrastructure
7	Cocos Island Co-operative Society Ltd
8	Cocos Dive
9	WA Department of Education and Training
10	Cocos (Keeling) Islands Tourism Association

Table 1: Registered users of the satellite imagery bundled with this manual.

Full Notes from The Cocos GIS 2003 release

The satellite imagery was supplied in UTM WGS84 Geographics. Due to limitations of software and hardware Geoscience Australia projected the four 8 bit pan-sharpened TIFF images of the main atoll into UTM WGS84. The four reprojected TIFFs were then joined. As a result gaps between the four sections of imagery were apparent.

The image in it's entirety was saved as an Enhanced Compressed Wavelet (ecw) image, where each pixel represented 0.6 metres. Nineteen 1km x 1km TIFF images, and two 1.5km x 1km TIFF images covering Home, West and Direction Island were created from the image and are included with the 2006 release of the Cocos GIS.

Geoscience Australia shifted the ecw image (X +16m, Y – 7m) to match the more accurately positioned 2003 cadastre shapefile and the orthophotography. The TIFFs over Home and Direction Islands (X +16m, Y -7m) and West Island (X +14m, Y -9m) were also shifted to align with the orthophotography and 2003 cadastre.

Utilities

GHD Surveys supplied waste water, water supply, gas, fuel, power, and telecommunications data in ESRI shapefile format as well as Computer Assisted Drawing (CAD) file format. The utilities data were supplied in the CKIG92 projection. The CAD files are not stored in the GIS DVD due to disk space limitations. GA projected the utilities data to UTM(WGS84) using ArcView and the shapefiles are stored in the 'CocosGIS\data\utilities' directory. Data manipulation prior to receipt by GA can be seen in the original documentation by opening the file 'CocosGIS\document\GHD_meta_util.pdf' located on the DVD.

Figure 3: Data from the Utilities directory includes water supply and power infrastructure points, lines and polygon.

The cd-rom supplied by GHD contained a number of customisations to enhance ArcView's interface. These included a 'metatool' (for viewing the utilities metadata sheet), hotlinks to CAD files and a GHD special font set.

The GHD-supplied custom font allows ArcView to generate point theme legends with custom symbols preferred by GHD. Examples of these can be seen in Figure 4. GA considers that GHD did not adequately document how to implement this special font.

Some of the GHD enhancements required registry edits, installation of DLLs in addition to ArcView extension (AVX) files. This is requires a level of system access not available on

most public service PCs. Consequently these particular enhancements were not implemented by GA.

The font used for GHD symbology is stored on the CIGIS DVD as ‘CocosGIS\data\utilities\Ghdsym.ttf’. In order to view the symbols as GHD intended, install this font by opening your windows font directory (eg. C:\winnt\fonts), clicking ‘File|Install New Font…’, navigating to CocosGIS\data\utilities’, selecting 'GHD Utilities Geocomp Symbols (TrueType)' and pressing ‘OK’.

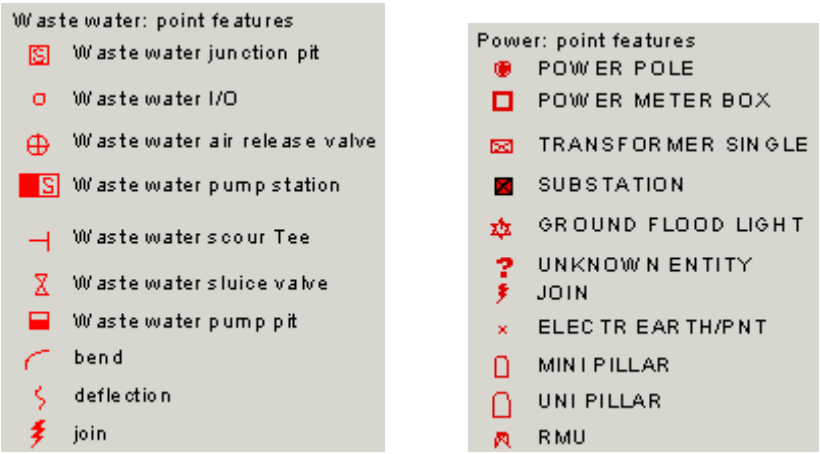

Figure 4: Examples of utilities legends in ArcView after installation of the font containing the GHD symbol set.

Orthophotography

The current release of the Cocos (Keeling) Islands GIS includes repositioned and reprojected versions of the orthophotography matching the included satellite imagery.

Using ERMapper a mosaic of the orthophotography was projected into GDA94 in BIL (Band Interleaved by Line) format. This was then sliced into separate tiles using the 'erswarp' utility which comes included with ER Mapper. An example of usage is shown on the left.

```
erm_run erswarp -j 269529.8070216110
-k 8661242.5412299900 -l
270519.8070216110 -m
8660242.5412299900 -t map -z
G:\\atlas\\anima~aq\\cocos~h_\\home_
~dq.ers
G:\\atlas\\anima~aq\\cocos~h_\\output\
\home2.ers
```

This command must be run from the '\ERMapper*X*\bin\win32' folder.

Note that due to changes in version of ERMapper to 6.4, the erm_run command must be used to initialise erswarp.

To access a full list of usage commands for erswarp run the following in the '\ERMapper*X*\bin\win32' folder:

```
erm_run erswarp -u
```

The full batch file used to create the tiles has been included on the DVD under CocosGIS\document\cocos_tiles.bat.

Notes on Previous Versions

Digital orthophotography has been prepared from aerial photography flown on the 5th April 1987 by the Australian Survey Office Canberra. GA commissioned LandInfo Canberra to generate orthophotography from the 1987 aerial photography as a component of this Cocos GIS project that GA undertook on behalf of Territories Office.

The orthophotography has a 25cm on-the-ground pixel size. A 'pixel' or 'picture element' is the smallest component in a digital image — a pixel is an individual square of colour. The quality of the orthophotography is impressive, with acceptable resolution down to 1:400 scale.

Figure 5: An image captured from the Cocos (Keeling) Islands GIS orthophotography at approximately 1:500 scale, showing clarity and resolution of land and underwater features. Of all the datasets in the GIS, the orthophotography (created from aerial photography flown in 1987) is considered to have the highest overall spatial accuracy.

The orthophotography is considered to be the most accurately located dataset overall. This high quality locational accuracy results from the use of surveyed ground control points in conjunction with recognisable features and a 3D model. In addition, the southern atoll is bridged by an intersecting flight line pattern, which also underpins the high positional accuracy. The triangulation report for the survey control is stored on the DVD at 'CocosGIS\data\orthphto\source\control\aig_ls3.doc' (Microsoft® Word 97 format — a text only version is also stored at that location) and shows there was a good fit of the control from a mathematically rigorously method and pattern. Hardcopy sketches of the survey ground control points are held in archive and are available for inspection.

Orthophotography was generated in Cocos (Keeling) Islands Grid 1992 (CKIG92) by transforming the aerial photography survey control to CKIG92. This involved a projection of the survey control file "aig.ctl" CocosGIS\data\orthphto\source\control\points\original) from

UTM47S (WGS72) to Transverse Mercator (WGS84) with the following parameters plus an XY shift[1] of X=16.86mE and Y=4.12mN:-

False Easting	50000.000
False Northing	1400000.000
Central Meridian	96˚ 52' 30"
Central Scale Factor	1.000000

From experience with similarly created orthophotography and subsequent GPS checks, GA would expect the Cocos orthophotography over the main atoll to be within a meter of its true position. Exceptions to this high level of accuracy are Horsburgh Island and North Keeling Island, which are on unconnected flight lines and did not have reliable ground control available[2]. Initial indications are that the North Keeling orthophotography could be around 35 meters out, and the Horsburgh Island orthophotography could be up to 20 meters out.

The original orthophotography consists of 24-bit colour Tagged Image File Format ('.tif') files taking up about 4.7Gb of disk space. To decrease storage, GA has supplied orthophotography in two reduced size formats:

1. as 256 colour '.tif' tiles suited to both ArcExplorer and ArcView use, and
2. as full colour Enhanced Compressed Wavelet (ECW) compressed images which can be viewed in ArcView using a plug-in[3] provided on the DVD.

Also supplied are ArcView Image Catalogs, which use a single theme to represent all the orthophotograph '.tif' tiles. An attempt has been made to match the digital orthophotography colour to that of the source aerial photography.

In 2003 GA projected the 256 '.tif' orthophotography images to UTM (WGS84) using ERMapper.

ORTHOPHOTOGRAPHY DETAILS

Aerial Photography:
- Australian Survey Office, Canberra
- Aerial Photography for the Cocos Keeling Islands
- Film No: SOC 760
- Film Type: colour
- Photo Scale: 1:10000
- Date: 5-4-87
- O/Lap: 80%
- Project Name: COCOS KEELING ISLANDS
- Run No(s): 1 - 7

Scanning for COCOS GIS: Kevron Aerial Surveys
Orthorectification for Cocos GIS: LandInfo (Canberra)

[1] The XY shift is necessary to accord AUSLIG and ERIN data with the DoLA cadastre data, which has been chosen by GA as the authoritative vector dataset.

[2] Two datasets covered Horsburgh and North Keeling Islands. GA judged the planning data to be more reliable, but the ERIN marine environment data had more resolution. GA warped the ERIN data to match the Planning data, and supplied the resultant coastline data to LandInfo to aid in georeferencing the orthophotography.

[3] File ' ArcView_3.2a_ECW_Plugin_v2.5.exe' in folder 'CocosGIS\util\arcview\extensions'.

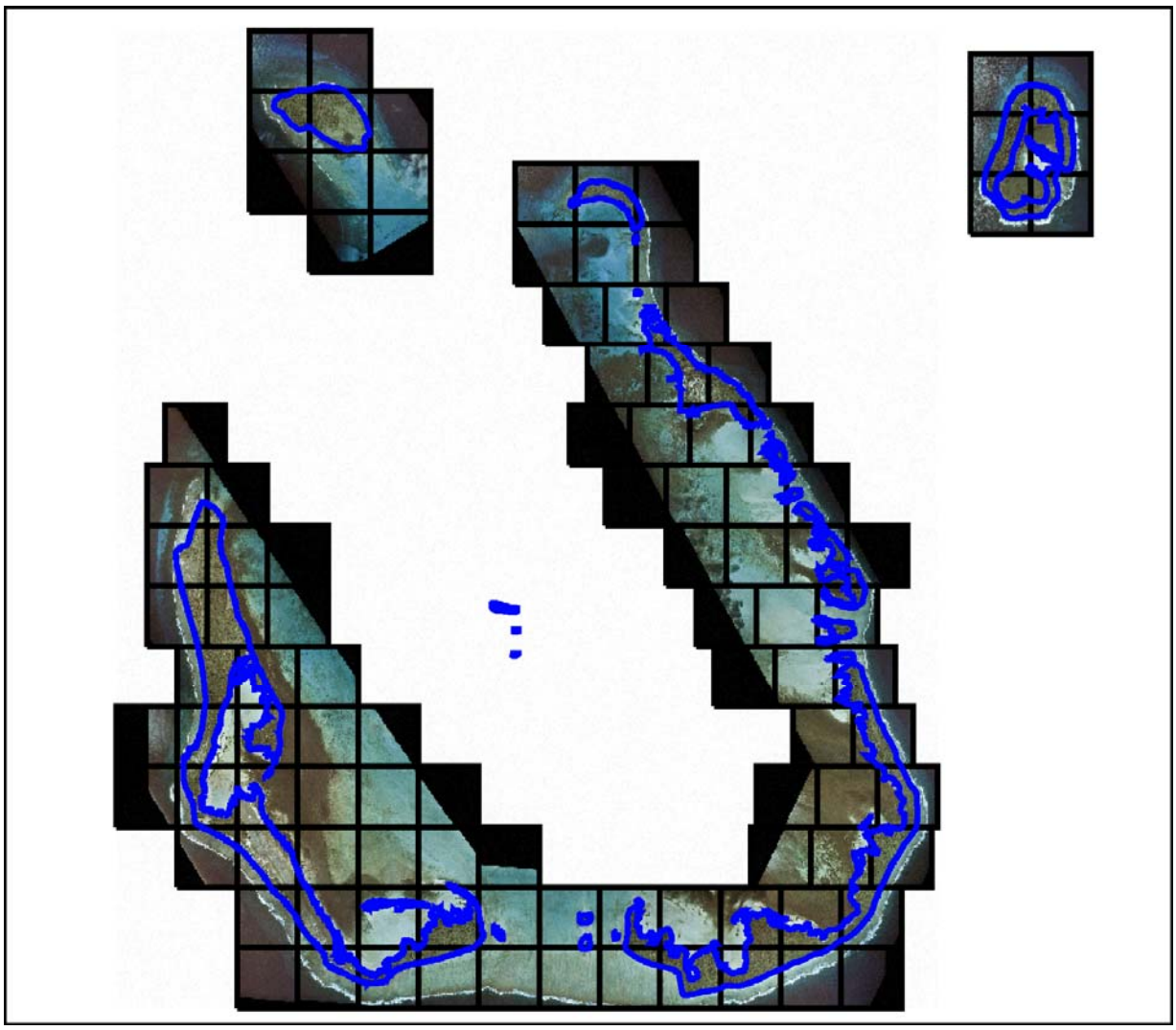

Figure 6: Layout of all 105 1Km X 1Km orthophotography tiles created for the Cocos GIS from the 1987 aerial photographs.

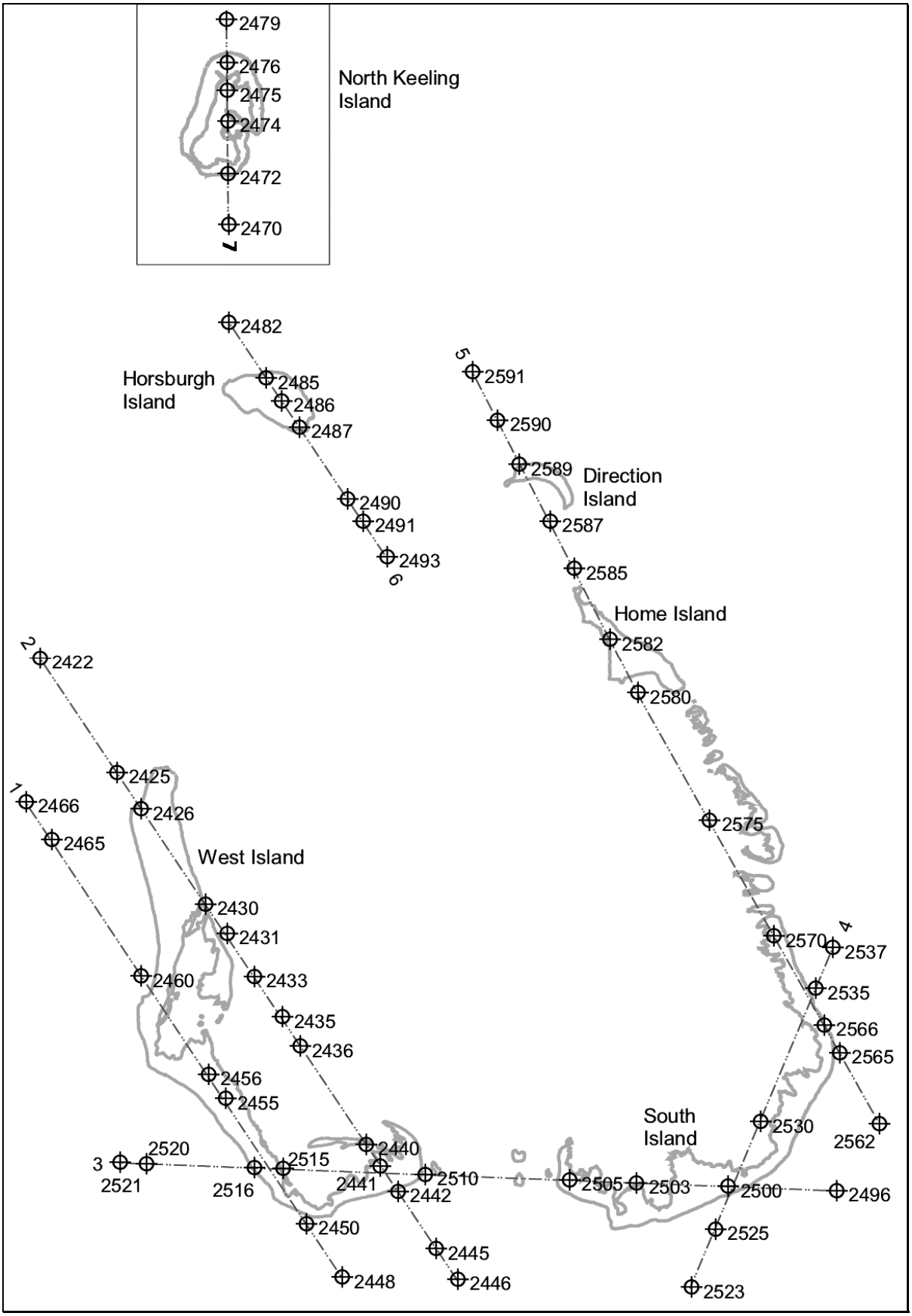

Figure 7: Flight lines and photo centres of the 1987 aerial photographs used for the Cocos GIS orthophotography. Flight lines are numbered at one end of the line.

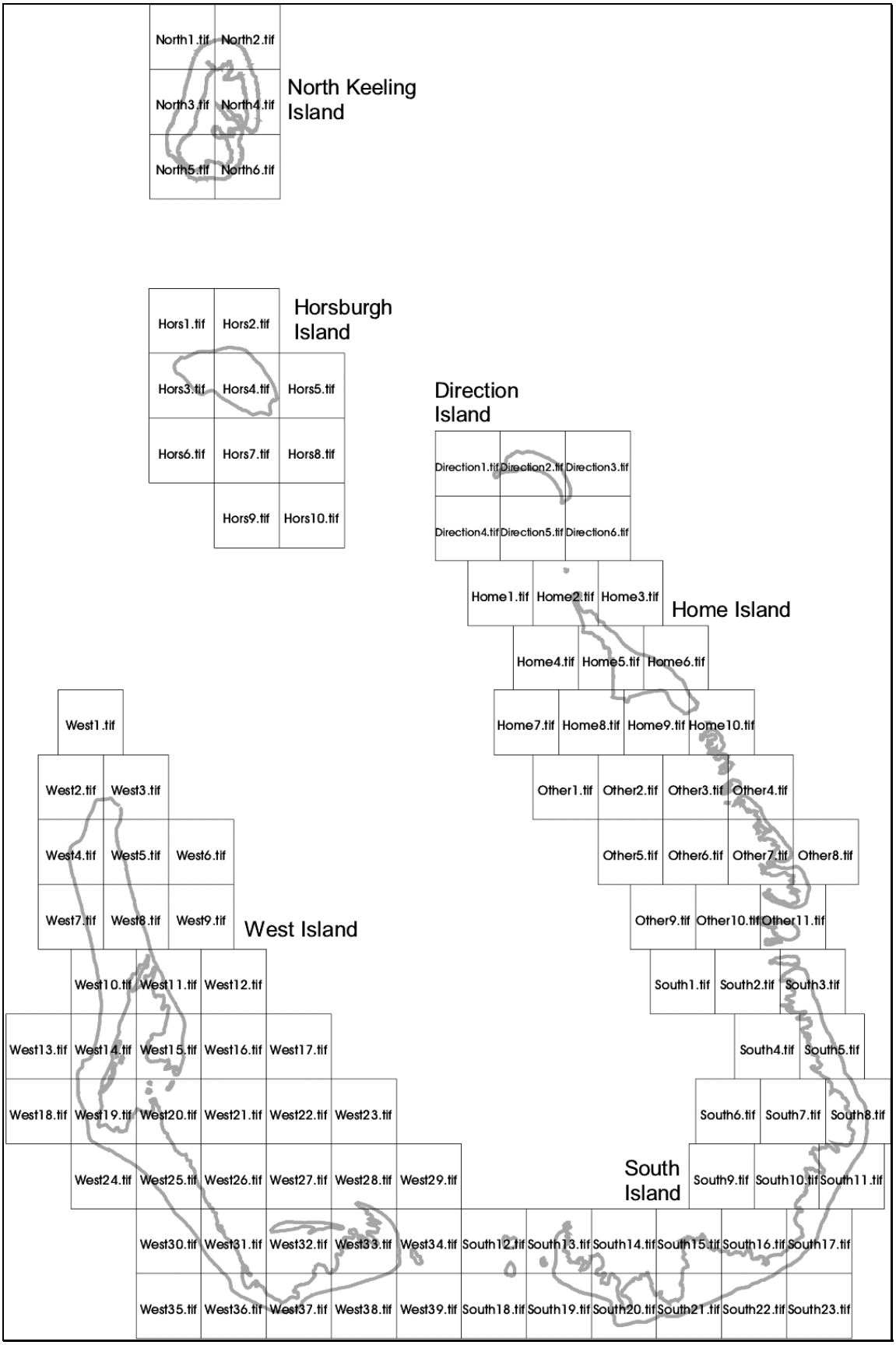

Figure 8: Index of the orthophotography showing the names and extents of each orthophotograph tile. Each '.tif' file is associated with a '.tfw' file which georeferences the image. The index file is stored as a shapefile ('orthindx.shp') for use within ArcView and ArcExplorer projects.

Cadastre and Ground Audit

In December 2004 Geoscience Australia received the scheduled cadastral update from Tony Yeomans of the Department of Land Information (DLI, formerly DoLA). This update consisted of two ESRI shapefiles and two access databases.

One of the ESRI shapefiles contains current property boundary information and the other contains lodged changes to property boundaries. Both ESRI shapefiles arrived at Geoscience Australia pre-projected in UTM (GDA94).

The reason for differences between the lodged cadastre and the current cadastre is that current data could have been calculated or digitized, etc. When lodged data is integrated into current, the area is spatially upgraded with the new survey data (lodged data) as this would be more accurate[4].

One access database contained data relating to tenure information including address. The other contained data on reserves.

In January 2005 Geoscience Australia also obtained ground audit data from Peter Brockmulen of the Department for Planning and Infrastructure (DPI, formerly DoLA). This ground audit was conducted in 2004 at the request of the Department of Territories and Rural Services (DoTaRS) in Western Australia. It contains data describing land use and reserve usage.

To produce the final cadastral information the files were modified and combined as follows.

Due to initial consultation with users of the Cocos GIS it was decided to keep the cadastre containing current property boundaries and the cadastre containing lodged changes to property boundaries separate. As such the following changes were made to each file separately. Additionally the cadastral boundary for North Keeling Island, taken from the last version of the cadastre, was joined to the current cadastre shapefile.

From discussion with users of the Cocos GIS it became apparent that the field LOT_TYPE was causing confusion with it's meaning. This is because it is a computer generated field that does not reflect the tenure of the land. Instead land tenure is derived from the PI_PARCEL field. To avoid this problem GA removed the LOT_TYPE field and replaced it with a TENURE field derived from the PI_PARCEL field and based on the definitions from the NORM manual[5] as supplied by DLI.

Using tenure information from the database supplied by DLI and from the land audit information supplied by Peter Brockmulen, GA joined on the fields ADDRESS, ZONING, RESERVE, PURPOSE and MANAGEMENT were joined on lot number. For multiple instances of lot numbers information was entered manually based on the land audit information supplied by Peter Brockmulen. From reserve data supplied by DLI the fields RSV_VESTIN, RESERVE_US and LGA were joined using the PIN field.

Finally GA made the decision to move the cadastral data to be in line with previous data such as orthophotography. As such the following XY shift was used on both the cadastre and the

[4] Email from Tony Yeomans of DLI, 14th February 2005.

[5] NORM files are a series of sequential files which DLI (formerly DoLA) uses to disseminate spatial and tenure data. Each of the files contains attribute data for a single tenure or spatial entity. The content of the NORM files is generally normalised, with data from different files related through common key attributes. *Taken from 'NORM files' September 2—2, by DoLA*

lodged shape files:

X+3.26m

Y-1.04m

This set cadastre data within 0.1m of older versions. In the future GA plans to asses the positioning of the cadastre based on the GPS ground control station on West Island and the satellite imagery.

In the 'CocosGIS\cadastre\cadastre_dli' folder is the lodged and cadastre shape files as projected by DLI but with all data joined.

Figure 3: Cadastre.shp and Lodged.shp overlayed on satellite imagery of Home Island.

Notes of Previous Versions

In August of 2004 DoLA supplied GA with the scheduled update to the cadastre in the form of and ESRI shapefile. The data was supplied to GA pre-projected in UTM (GDA94). Through observation this was found to be accurate and as such GA did not reproject this data.

For the first time this included a positioned cadastral outline of North Keeling Island. Also for the first time the dataset included both the current cadastral tenure boundaries and the lodged changes to tenure boundaries.

To produce the final cadastre the current tenure boundaries and the lodged tenure boundaries were combined (this is no longer the case). Data from previous cadastral tables was then joined using pin number.

In 2003, GHD Surveys Pty Ltd provided GA with an updated cadastre in ESRI shapefile format. This cadastre was supplied in the CKIG92 projection. GA projected the 2003 cadastre to UTM (WGS84) using ArcView.

The 2003 cadastral data cover most of the main group of islands. Horsburgh Island and North Keeling Island were not included in the cadastre.

By observation spatial accuracy was good across all the islands. This can be difficult to check, since cadastral boundaries do not usually correspond to natural features. When compared to the orthophotography (which should be spatially accurate for the southern atoll), features matched well on all the islands.

For previously supplied datasets (eg 30-DEC-99) GA confirmed the coordinate system to be geographic (World Geodetic System 1984). DoLA are confident of the transformation of the original WGS72 data to WGS84 but note earlier co-ordinates are based on a doppler survey and so may not be so accurate[6]. The cadastre is however the most rigorously surveyed vector dataset and so the cadastre was selected by GA to be the authoritative vector dataset.

GA projected the cadastral dataset to CKIG92 using the ArcView 3.2, a projection utility.

The cadastral data cover most of the main group of islands. Horsburgh Island and North Keeling Island were not included in previous versions of the cadastre.

By observation spatial accuracy is variable (the cadastre is difficult to check, since cadastral boundaries do not usually correspond to natural features). When compared to the orthophotography (which should be spatially accurate for the southern atoll), West Island features match well over the whole island. Home Island matches well for the majority of the island, but with significant offset of features at the northern end of the island. Direction Island matches well.

The cadastre for South Island and the small islands of southeast Cocos appears poorly located. For this area, different groups of islands in similar vicinities have different offsets from the orthophotography, suggesting erroneous positioning of the cadastre rather than a general projection error. For the final cadastre version, GA moved some of these individual small islands, and occasionally stretched the features in an X and/or Y direction. The majority of this work was done at a scale of 1:2500. South Island required warping to get a reasonable match to the orthophotography. GA used the ArcView Extension ShapeWarp to register and warp this island and small islands surrounding it. Movements of cadastre features for southeast Cocos tend to be up to 20 meters, but can be around 40 meters.

The original shapefile had some erroneous polygons (43 regions), which had small visible representations and large areas. As these areas did not have attributes and in all cases checked were not unique, they were deleted from the projected shapefile.

The majority of attributes in the final cadastre shapefile are from the Ground Audit data, which were joined to the cadastre using the Pin field.

[6] Pers Comm and e-mail; Linda Morgan, DOLA 21&27/1/00, Ph 08 9273 7135.

Topography and Culture

Data representing topography and culture were received from LandInfo Canberra (on behalf of the Australian Surveying and Land Information Group (AUSLIG)) in design file format (DGN). Documentation was not supplied with this data and is apparently not available. Coverage is restricted to Home and West Islands.

It is probable that the nominal scale of this data is 1:1000 as similar data collected by AUSLIG for Christmas Island are of this scale.

Evaluation of the data suggests that the probable source coordinate system is Universal Transverse Mercator (UTM) Zone 47 (World Geodetic System 1972 (WGS72)). Using this input coordinate system, projection to CKIG92 resulted in a mismatch of coordinates. Using similarly digitised features in the coastlines, GA found that an X-shift (16.86mE) and a Y-shift (4.12mN) of the AUSLIG data resulted in a match with the cadastre for West Island.

Home Island did not match as well and a further X-shift of 2.22 metres East matched the centre of the township on Home Island to ± 0.25 metres. The far Northern end of Home Island is the worst located with features approximately 5 metres West of the orthophotography. In the wharf area, features are approximately 1.5 metres West of the orthophotography. The road features in the far East of the island are approximately 2.5 metres East of the orthophotography, and the South-West of the island matches the orthophotography to ± 0.5 metres. Attempts to warp Home Island features to match the orthophotography were not acceptable.

Figure 11: Topography and culture data from LandInfo Canberra (on behalf of AUSLIG). Labels refer to vegetation polygons (extracted and corrected by GA). These codes cannot be sensibly decoded by reference to the AUSLIG code sheets; they will probably require someone with local knowledge to add a description.

Data derived from topography

Two coverages have been derived from the AUSLIG topography by GA in order to enhance the useability of the data in a GIS. These are a vegetation layer (vegetatn.shp) and a road centrelines layer (roads.shp).

There are a number of features in the original topography data that do not have valid AUSLIG codes. Comparison with the orthophotography indicates that all these codes represent vegetation. GA has extracted these codes and created a polygon layer (in ArcInfo) by including common lines as well as those coded as a particular type. The resulting layer is coded according to the erroneous codes in the original data. Because the level of detail is different from the vegetation layers in the planning data, correlation was not conclusive. Re-coding according to actual vegetation types is recommended if this layer is to be used for analysis. The vegetation appears to match the 1987 orthophotography, and would therefore be out of date in some areas due to the fact that the 1992 planning data documentation reveals that areas have been cleared since the 1987 air photos.

For GIS analysis using a road network, GA has created a road centreline layer based on the topographic data. This was accomplished using the ArcInfo 8.0.2 CENTERLINE command and then manually correcting (in ArcEdit) at intersections and elsewhere based on the original dataset and, to a lesser extent, the orthophotography. Converting to ArcInfo format necessitated dropping the third dimension from the data. GA did not attempt to digitise road features from the orthophotography where digital data did not exist. Users should be aware that the road centreline coverage is therefore incomplete. It would be useful if future work included the addition of further attributes (especially road names — which none of the available topographic and cultural data include).

In 2003 GA projected the topography and culture data to UTM(WGS84) using ArcView.

Detailed Survey

LandInfo Perth supplied detail survey data on behalf of AUSLIG. No documentation was available for this data except for working notes on the CD-ROM. The spatial component of the data was supplied in design file format (DGN). As Ground Audit databases were also supplied with this data, it is possible that the detail survey was associated with the ground audit, which would date it at around 1996. This dataset is valuable in that it contains features such as services (utilities) that are not available in other datasets.

Coverage is restricted to the populated areas of Home and West Islands for the detailed data, with lower resolution data for general coverage of Home and West Islands.

It was assumed that the data was supplied in the UTM Zone 47 (WGS72) coordinate system. Projection to CKIG92 with the addition of an X-shift of 16.86 metres East and a Y-shift of 4.12 metres North appears to confirm this. This is the same XY shift that was applied to both the Topography & Culture dataset and to the Marine Environment dataset. In contrast to other datasets, a good match of features with the orthophotography at the northern end of Home Island has been achieved (this area matches the cadastre). Inside the detail survey area features generally match the orthophotography locationally to within ±0.25 metres. Outside the detail survey area features may be up to ±7.5 metres displaced with respect to the orthophotography.

Many building shapes do not match the orthophotography, to the extent that their shapes are not even close to a match. One row of buildings is consistently displaced by approximately three metres. Many features are mislabelled. For example, map tic marks are labelled as

drainage pipes. It appears that this dataset is incomplete and has certainly not gone through rigorous quality control. Some housing shapes appear to be from an early conceptual plan rather than a survey of housing at the time of this data's creation. Although there is a lot of potentially useful data in this dataset, the logical consistency of both the spatial and attribute components appears flawed. In 2003, GA projected the Detailed Survey data to UTM(WGS84) using ArcView.

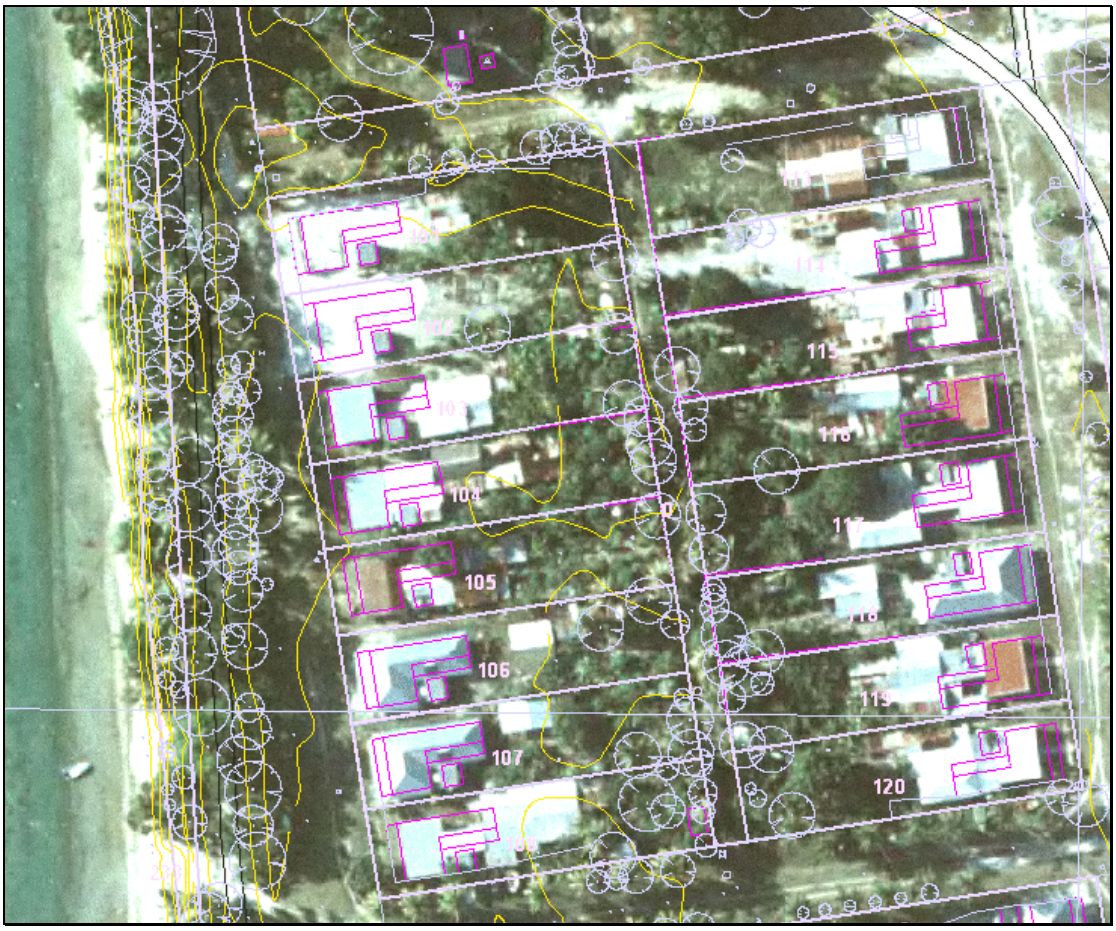

Figure 12: Screen capture of part of Home Island showing poor spatial accuracy for some housing features of the detail survey data. The right hand row of houses has features offset by approximately ± 2.5 metres compared to the orthophotography. Many of the houses also have very different shapes in the data when compared to the orthophotography. It seems probable that these features are not surveyed but retrieved from an earlier, perhaps conceptual, plan.

Side Scan Sonar Paths & Interesting Features

In August 2005, Parks Australia North Cocos (Keeling) Islands (PANCKI), (courtesy of Robert Thorn) provided Geoscience Australia (GA) with sidescan sonar video footage taken from the shipping channel from the north-eastern lagoon entrance through to the blue hole or the oil-tanker moorings. The video footage was supplied on CD-Rom viewable with accompanying software (Imagenex Model 881 Sportscan Digital Sidescan Sonar V1.20).

The video footage was taken over eight days (20-23/11/2002; 4/12/2002; 5/3/2003; 11/3/2003 & 17/3/2003) by Don Shepherd, subcontracted by GHD Pty Ltd and funded by DoTaRS. The purpose of this survey was to confirm the shipping channel and was the final survey before the shipping channel could be opened. It was conducted to ensure that previous contractors had adequately removed obstructions such as coral bombies and placed markers appropriately. Positional accuracy of the sidescan sonar has not yet been received by GA. The instrument trails the shipping vessel on a cable of variable length. Errors are introduced depending on the length of this cable, and also depending on the currents within the water

body. GA is as yet to receive information regarding the cable length used or whether corrections have been made to the sidescan sonar data. GA has tested various locations along the sidescan sonar paths for accuracy. This was done by correlating the path with features distinguishable in the 1987 Orthophotography. From these test locations, GA believes errors to be within +/- 10m. An example of these test locations can be seen in Figure 17 below.

Figure 13: IMAGENEX Sportscan Digital Sidescan Sonar device

Shapefiles have been built from this data to show the paths taken by the sidescan sonar vessel. These were created using the longitude and latitude displayed from the beginning and end of the image paths. It should be noted however that this method assumes the vessel to be moving in a straight line throughout the footage. As the lines have been compiled with only the beginning and end point data it is possible that the vessel did not maintain this straight path and therefore errors may be evident due to this assumption. A coverage of lines was built and projected into UTM Zone 47S (WGS84).

A second shapefile has also been created which shows anomalies noticed by GA within the sidescan sonar footage that may be of interest, such as that in Figure 14 below. The shapefile was produced using the latitude and longitude of the particular point of interest, and was then projected to UTM Zone 47S (WGS84). These two shapefiles are shown below overlayed on the 2003 satellite imagery.

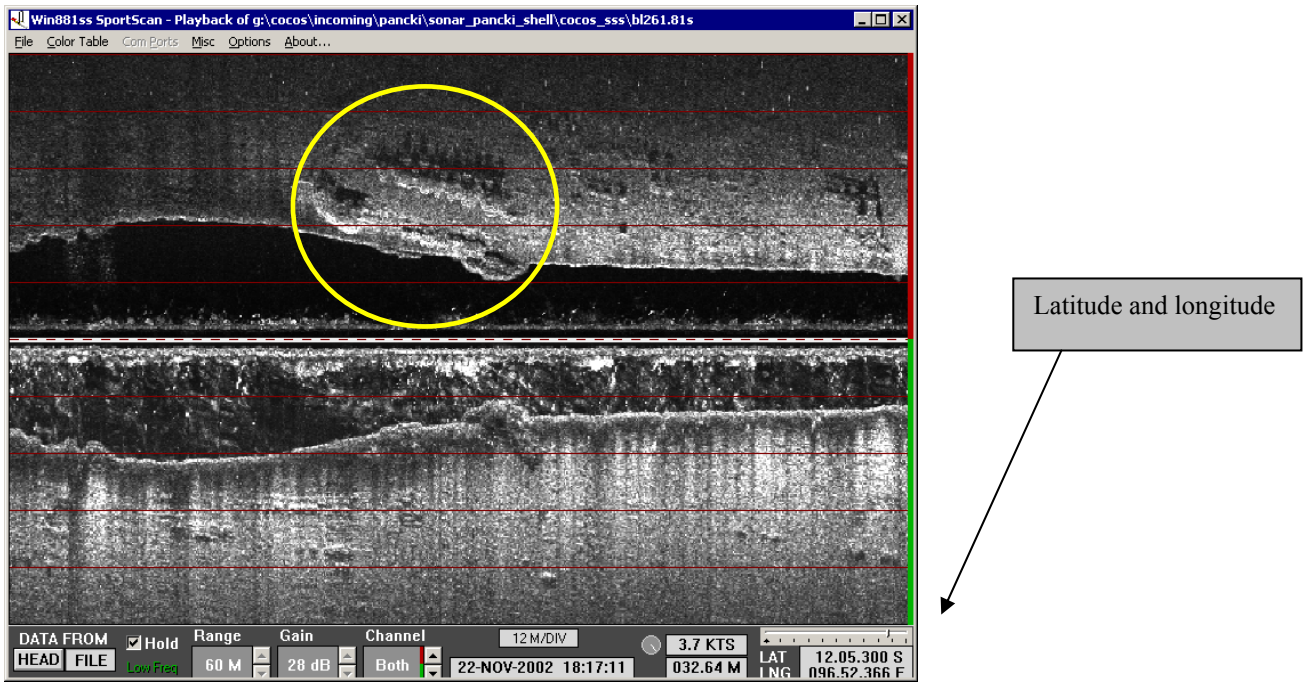

Figure 14. An anomaly within the Side Scan Sonar footage.

GA is as yet unable to provide an explanation of what these anomalies are. Evidence suggests they could be a combination of natural features such as coral bombies or rock strata, or

anthropogenic features such as foundations of past or present navigation markers or perhaps a sunken vessel or war wreckage. Screen captures of these areas have been included on the adjoining pages.

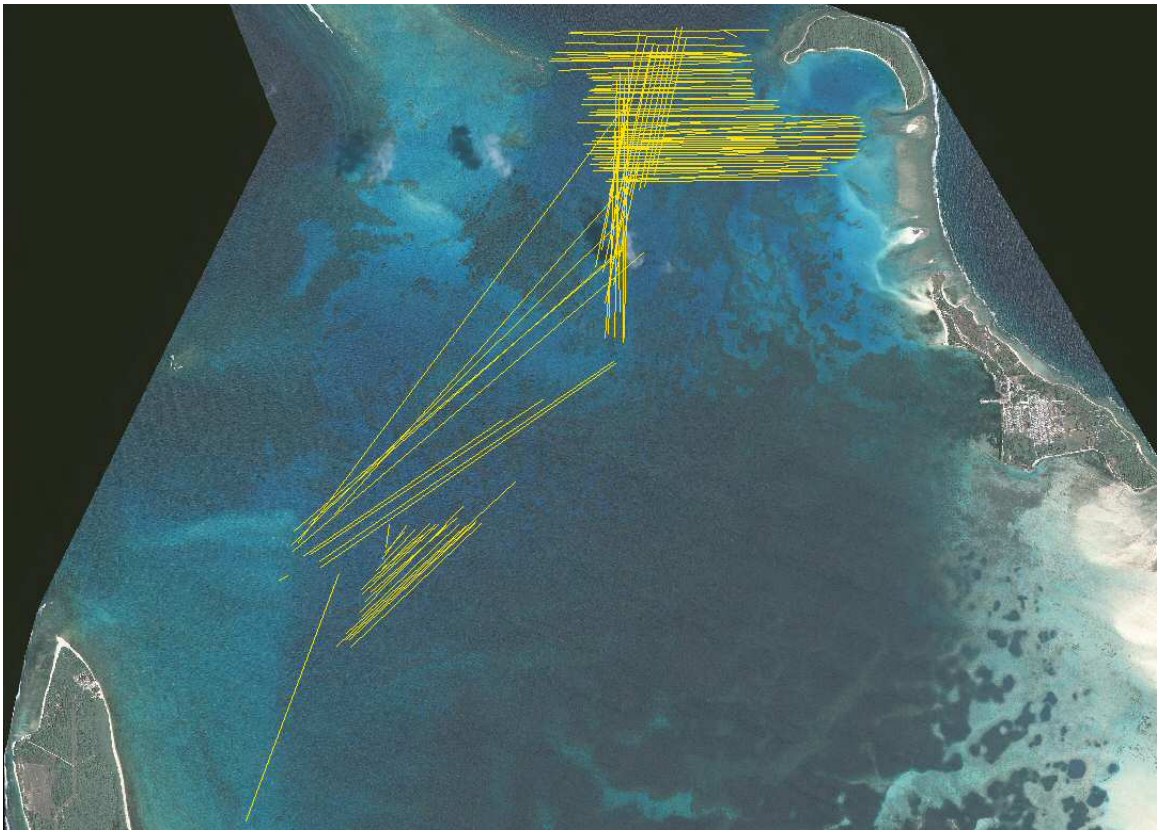

Figure 15: Extent of side scan sonar paths in relation to west and home island.

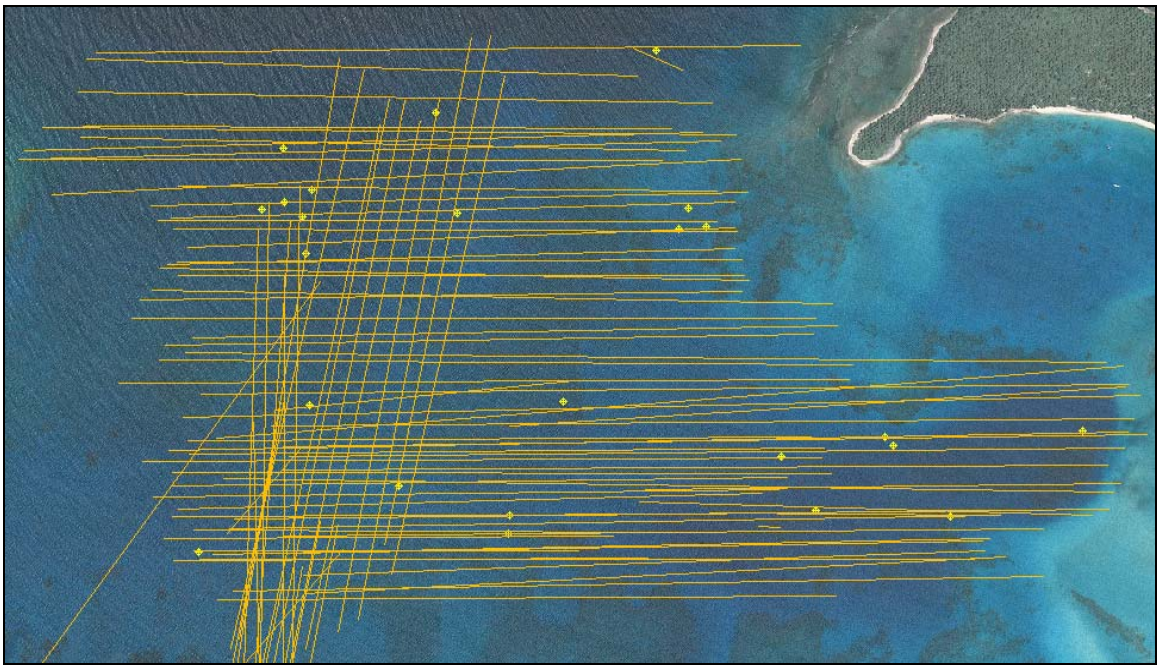

Figure 16: Detail of side scan sonar paths and interesting points, overlayed onto the 2003 satellite imagery.

By overlaying these shapefiles with the 2003 satellite imagery and, where available, the 1987 orthophotography, correlation is evident between rock and coral covered patches of the sea-floor and that data footage captured by the sidescan sonar. This can be seen by comparing the following sidescan sonar image and the 1987 orthophotography of the same area.

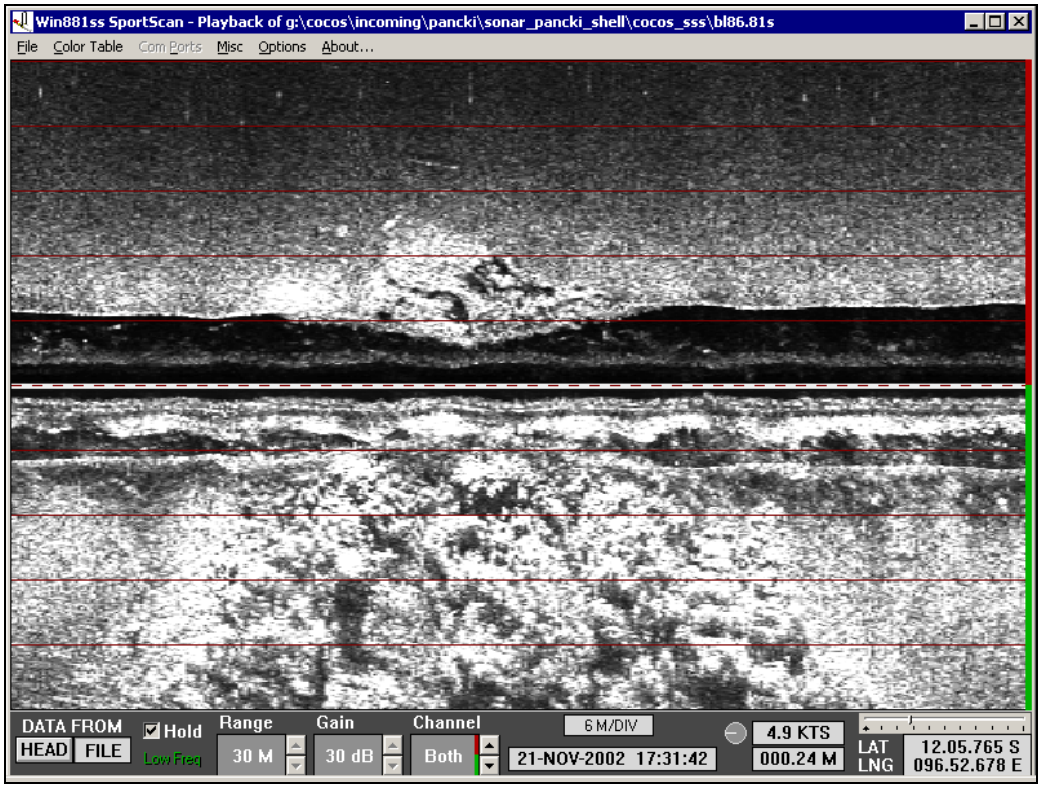

Figure 17: Sidescan sonar image of an area near the Blue Hole. Correlation can be seen between the sonar footage and the satellite image shown below.

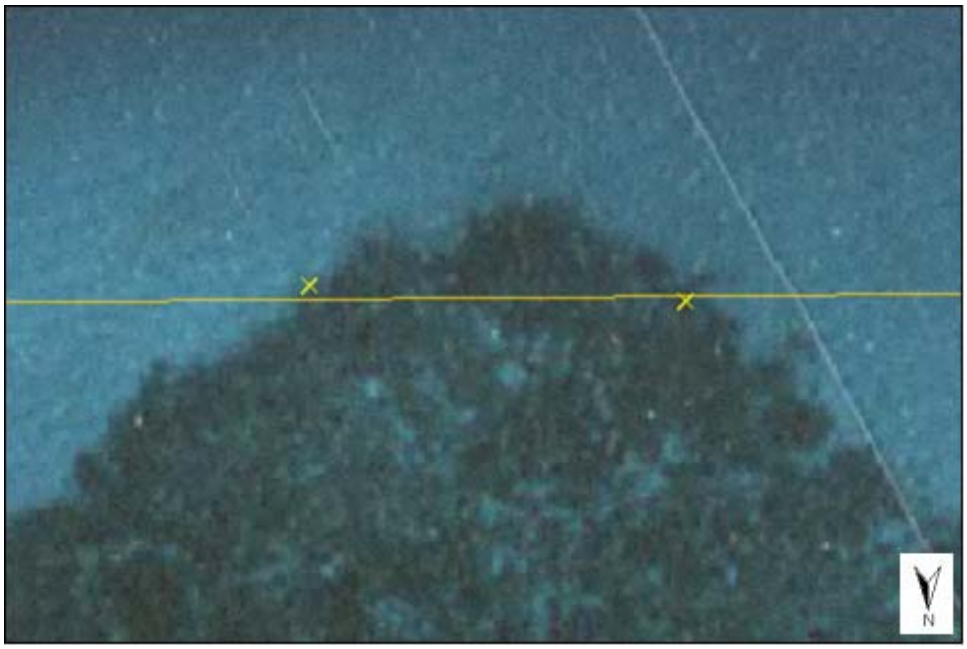

Figure 18: 1987 Orthophotography of the area captured in the sonar footage displayed in Figure 4. Correlation can be seen between the two images (note that the vessel was travelling from east to west).

GA understands the dark band in the middle of the sidescan sonar footage to represent the wake of the boat. Due to the sonar equipment needing to drop 3-4 meters below the boat, it was necessary for water depth to be at least 5 meters. Paths are attributed with the video footage filename. (e.g. bl96.81s, where bl=blue hole and .81s refers to the equipment model. Other prefixes are ch=channel, cl=clearance area, tr, newcl, and south). PANCKI have expressed an interest in investigating some of these anomalies by diving the areas.

Marine Environment

Marine environment data were obtained from the Environmental Resources Information Network (ERIN). ERIN refers to this dataset as *Environment Australia (1998) Whelans Cocos GIS (1998).* This includes coastlines, bathometric contours, coral outcrops and other features.

This data is now supplied on the Cocos (Keeling) Islands GIS.

The data were supplied as ArcInfo export files, but relevant documentation was not available. Documentation provided by ERIN with the data actually referred to a different dataset, namely the Cocos (Keeling) Islands Land Use Plan of 1992.

Evaluation of the marine environment data established a match with the cadastre on West Island using a projection from UTM Zone 47 (WGS72) to CKIG92 plus an X-shift of 16.86 metres East and a Y-shift of 4.12 metres North. This is the same XY shift that was applied to both the Topography & Culture dataset and to the Detailed Survey dataset. However all other islands are significantly mis-located. Attempts to warp these features or to derive a coordinate transformation were not successful. The actual marine zone features appear to be of a relatively low resolution anyway, defining approximate rather than exact boundaries. Interestingly they seem to match the spot image. In 2003 GA projected the Marine Environment data to UTM(WGS84) using ArcView.

CAUTION

It is recommended that the use of the Marine Environment data be restricted to broad-scale applications and that caution be exercised (especially away from West Island) due to poor spatial accuracy.

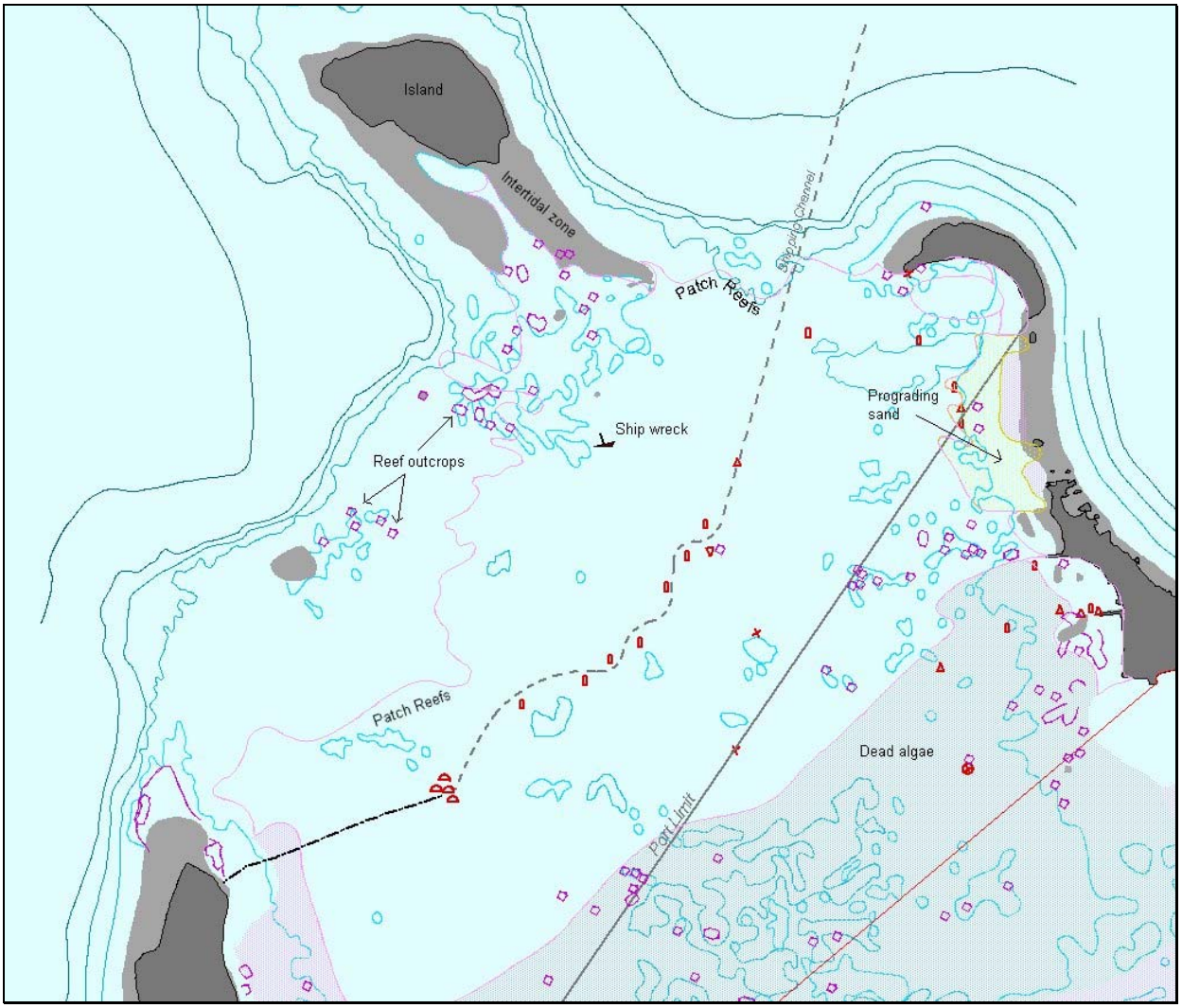

Figure 19: Data from ERIN include marine environmental data, some marine infrastructure and management zones.

Planning

The Cocos (Keeling) Islands Land Use Plan and Planning Scheme (June 1992) was prepared for the Cocos (Keeling) Islands Council by the National Capital Planning Authority (NCPA) and the Commonwealth Department of Arts, Sport, Environment and Territories (ref). As part of the planning study, a geographic information system (GIS) database was established in order to prepare base and thematic maps and to enable the production of high quality figures to illustrate the planning report and to present the plans for public consultation.

The GIS data was stored by NCPA as ESRI coverages and includes planning-related cultural and environmental layers. The data coverage is primarily for the southern atoll, but some include North Keeling Island.

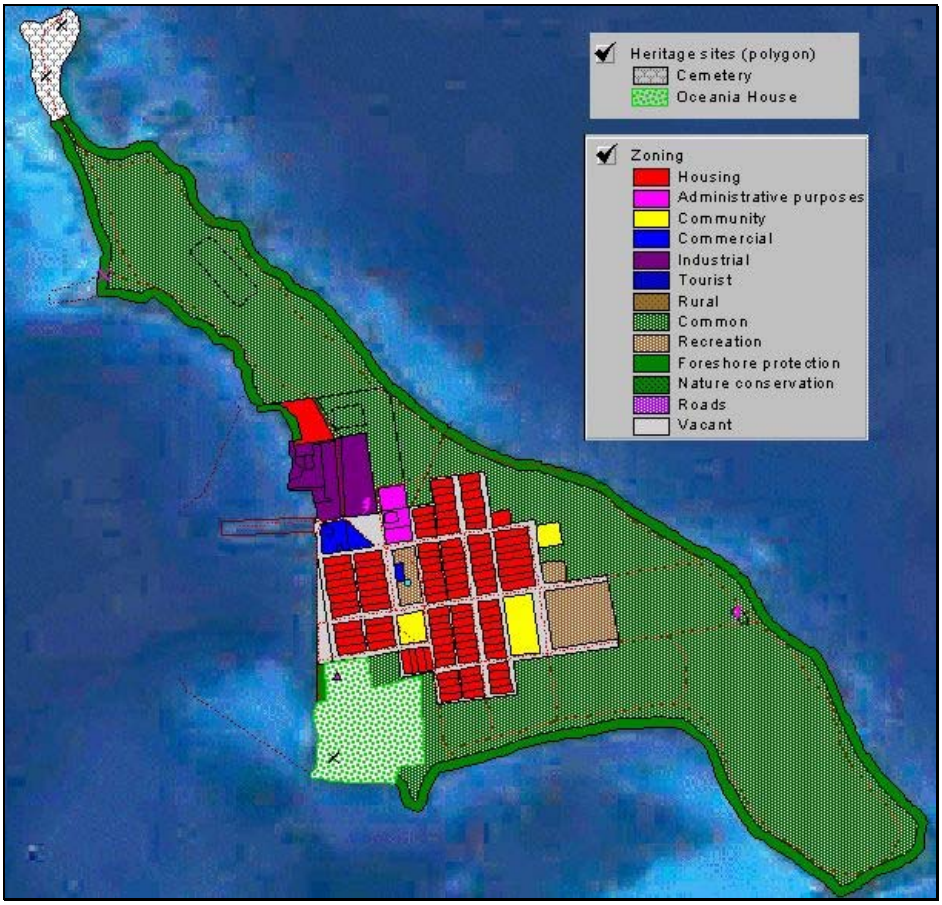

Figure 20: Data from NCPA include the 1992 Planning Scheme, together with over twenty supporting layers — all documented to a high standard.

The source coordinate system is UTM Zone 47 (WGS72). In 2003, GA projected the data to UTM(WGS84). Data accuracy is variable depending on the dataset and location.

Documentation for this dataset is of a high standard (hard copy only was supplied) and includes attribute descriptions and metadata for each dataset. (Chapter 4 is a digital version created by GA of the original 1992 GIS data documentation).

Although this data is often broad scale in nature, it has a large range of useful layers. Some of the NCPA marine data boundaries are more detailed than those received from Environment Australia.

The original digital data includes numeric feature codes whose descriptions were stored in the hard-copy documentation and for some in ArcInfo look-up tables. In some cases the look-up tables' code definitions were different from the hard copy. GA has added fields to the shapefile attribute tables to contain these feature codes and descriptions.

Water Resources

Figure 21: Water resources data supplied by ECOWISE Environmental Ltd includes freshwater lens extents, galleries and other water resources infrastructure.

ECOWISE Environmental prepared water resources data for the Cocos (Keeling) Islands. They were delivered in April 2001 in association with a report prepared for Cocos (Keeling) Islands Administration, Department of Regional Australia, Regional Development and Local Government and GA. Data was collected for incorporation into the Cocos GIS and subsequent distribution to stakeholders and other authorised users. ECOWISE Environmental supplied the data in the CKIG92 projection. GA projected the ECOWISE data to UTM(WGS84) using ArcView.

GA has now incorporated the layers into the Cocos (Keeling) Islands GIS and will prepare ANZLIC compliant metadata. Good non-compliant metadata was supplied with the data and is in the ECOWISE report at 'CocosGIS\data\waterres\source\documentation\Report.doc' and Chapter 10 of this report.

These data supersede the water resources layers in the planning dataset.

National Estate

Figure 22: Data from the Register of the National Estate includes point and polygon representations of registered significant sites (historic and natural).

The Australian Heritage Commission, Environment Australia, supplied data of sites on the Register of the National Estate in May 2001. The data were supplied as a polygon shapefile and a point shapefile. The data cover the whole island group, including North Keeling Island. This was supplied in the geographic coordinate system (WGS84). No other metadata was supplied with the data. However the Australian Heritage Commission (AHC) have a website (http://www.ahc.gov.au/register) which contains detailed descriptions of each heritage site and, in most cases, a photograph of the site.

After projection, the majority of polygon boundaries closely match the cadastral boundaries. If they are derivatives, they may have similar positional accuracy. The points, however, have very variable accuracy. Some seem to be based on centroids of cadastral polygons, but many appear to represent the general vicinity of a site.

This dataset includes a number of points and areas which do not appear in the 1992 planning data. The planning data includes a number of points “of heritage interest” which do not appear in this dataset, including Direction Island’s cable station ruins, the wrecks of the *Phaeton* and the *RCL*, West Island’s cemetery and the Twiss Memorial.

Other Data

There are a number of other datasets and digital products supplied on the Cocos GIS DVD.

The 'graphics' directory contains a spot-derived image covering the entire Cocos (Keeling) Islands in JPG format (Cocos_Spot.jpg). Because the original image was very large and had a substantial proportion of featureless ocean, a 256 colour clipped image covering just the southern atoll has been supplied ('CocosGIS\data\misc\spot\sthaspot.tif'). It is recommended that this clipped image be used in the GIS as a backdrop only - the positional accuracy is not sufficient for full GIS use. This is a scan of a DoTaRS poster, with the scanned image pixel size representing about 5 metres on the ground. Poster printing, scanning and JPEG resampling have degraded colour information. It is not recommended for scales closer than 1:50,000. This image does however give some indication of marine features in the central lagoon beyond the extent of the orthophotography.

The 'data/misc/property' directory contains spreadsheets with property information. GA has converted these Microsoft® Excel format spreadsheets to Dbase V tables for use in ArcView. This involved changing some field names to comply with Dbase limitations. The DBF tables can be added to ArcView as tables, and where a Pin or Loc/Lot No exists in the table, can be joined or linked (for 1 to many relationships) to the cadastre attribute table.

The 'CocosGIS\data\misc\oceansub' directory contains data relating to an Expression of Interest and subdivision proposal for the Oceania House lot on Home Island. This is an example of use of the Cocos GIS prior to its completion. Of most interest in this directory is a CAD (DXF) file of the subdivision. This file is supplied in 'CocosGIS\data\misc\oceansub\Lot14.dxf'. It is not geographically located so cannot be overlayed on Cocos GIS layers. GA could easily do the geolocation as part of future work, but future Department of Land Inforamtion (DLI) cadastre updates should reflect the new subdivision. The data can be viewed in ArcView if the Cad Reader extension is enabled.

In the 'CocosGIS\graphics' directory are digital copies of several maps and posters. The maps are stored as postscript (EPS) and Adobe® Acrobat (PDF) files. The poster is stored as a JPEG image file.

Chapter
3

Further Work

GA has identified areas where improvement could be made in several datasets. These could be addressed in future work if required.

Annotation Capture

Some datasets have annotation that is yet to be captured as attributes. The capture of annotation as attributes is useful for full GIS functionality. An important example is the contour labels in the detail survey, which are the only height information stored in that dataset. A height attribute for this data would vastly improve the value of the data. A particular example is the wreck of the Emden, which is identified only as a shipwreck in the attributes but as the Emden in annotation.

Cadastre Updates

The digital cadastre will need regular updates to maintain currency. DoLA has indicated that revision of the cadastral layer is ongoing. These should be incorporated into the system as resources allow. In addition further entries and updates could be made in the ground audit table.

Geographic Names and Road Names

Probably the most authoritative feature layers (the cadastre and the topography/culture data) do not have geographic names as attributes or annotation. The planning scheme data does have some named features (eg. island names in English and in Malay) and these could be transferred as attributes to more detailed feature layers if this is appropriate. Most road names are missing from all datasets that are currently in the Cocos GIS.

Other Data Improvements

A number of other limitations and weaknesses in the current datasets could be addressed in future. Some important potential improvements are:

- joining of the contour lines where broken (ideally completion of the contour coverage of the islands);
- improved spatial accuracy of orthophotography over North Keeling Island and Horsburgh Island (this would require authoritative coastline and/or recognisable survey marks);
- checking and correction of erroneous attribution in detail survey data;
- update of metadata to ANZLIC version 2, and storage as XML files;
- proper coding of vegetation layer and resurveying if and where necessary; and
- surveying of authoritative coastlines (especially south of Home Island and east of West Island, North Keeling Island and Horsburgh Island), remaining aware that the coastline in detail is variable over time.

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GA Catalog details for the Cocos GIS (#61840):

Cat # : 61840 Flags **Product :** Y **Publication :** N **Dataset :** N **Resource :** N **WWW :** N
Title : Cocos (Keeling) Islands GIS
Medium : **Scale :** **Contact :** Keith Porritt
Type : One-Off Product **Sub Type :** No Subtype Available **Project Id :**
Pub'n Source : **Pub'n Year :** 2005 **Vol / Part :** **ISBN :**
Abstract : The Cocos (Keeling) Islands Geographic Information System (Cocos GIS) is a collection of spatial data, viewing and analysis tools dealing with the Cocos (Keeling) Islands. The data include orthophotography, topographic, cultural and environmental features both of the islands and the ocean immediately surrounding them.
---------- Bounding Rectangle ----------
N Latitude : -11.8 **S Latitude :** -12.25 **W Longitude :** 96.8 **E Longitude :** 96.95
Comments :
Data projection is Cocos (Keeling) Islands Grid 1992. Data scale is variable, due to the data being collated from various sources.
---------- List of Authors ----------
Name :
1 Porritt, K.P.
2 Petersons, S.I.
Theme :
GIS
culture
information management
topography

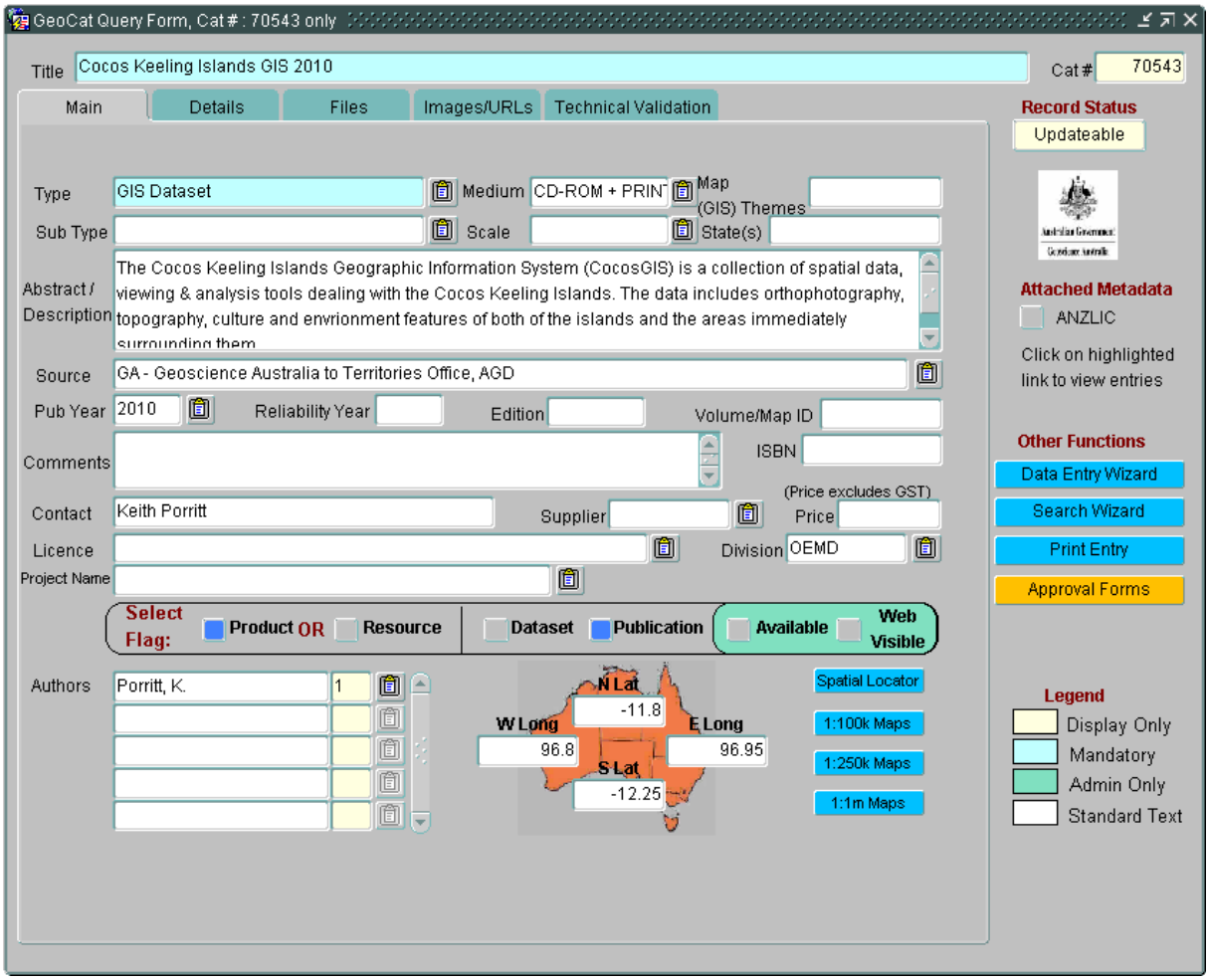


Figure 23: Cocos GIS GA Catalog entry (#70543).-

Chapter

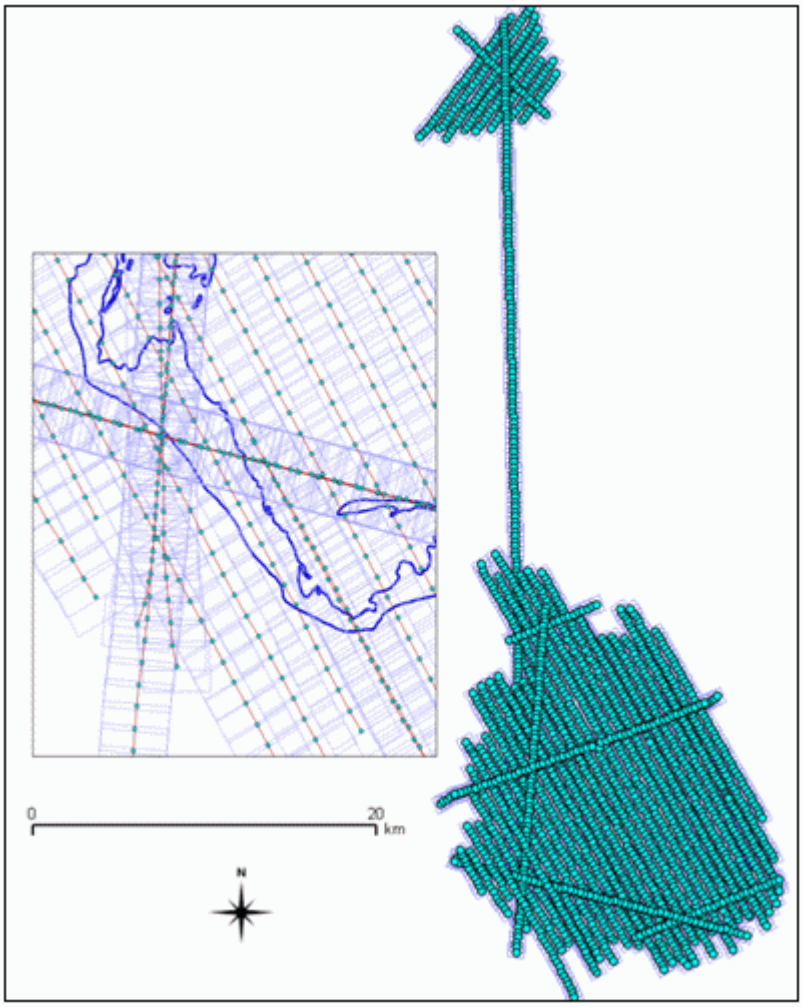
4

Appendix 1: Metadata

Hard copy versions of the electronic metadata sheets. These metadata sheets comply with ANZLIC core metadata standards.

Cocos (Keeling) Islands GIS

Flight Lines, Photo Centres & Extent Rectangles

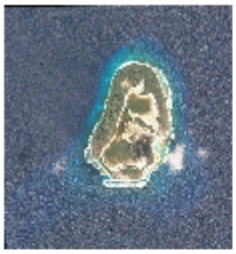


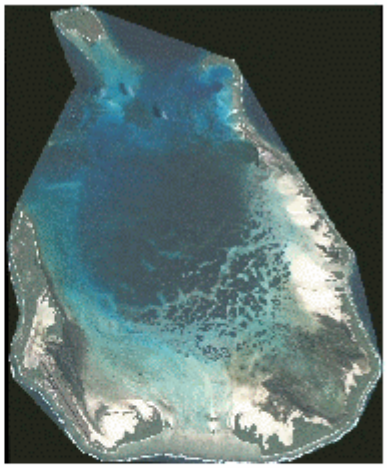
Dataset	
Title	2011 Aerial Flight Lines, Photo Centres and Extent Rectangles
Custodian	Geoscience Australia
Jurisdiction	Australia
Description	
Abstract	This metadata sheet refers to the following three shapefiles: • flight_lines_co11.shp • photo_centres_co11.shp • photo_rectangles_co11.shp They can all be found in the following directory: \\cocos\orthphto\ortho_2011 Together these datasets show the flight lines

	flown by AAM during the 2011 aerial survey of Cocos (Keeling) Islands, the centre of each aerial photograph taken during flight and approximate photograph extent rectangles.
Search Word(s)	PHOTOGRAPHY AND IMAGERY Aerial PHOTOGRAPHY AND IMAGERY Plan
Geographic Extent Name(s)	Cocos (Keeling) Islands Edition 1 2010 1:25000 - Geoscience Australia GEOCAT 70146
Data Currency	
Beginning Date	August 2011
Ending Date	August 2011
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	Extent rectangles may be improved in the future with the provision of georeferenced aerial photographs from AAM.
Access	
Stored Data Format	DIGITAL - ESRI Shapefile
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below.
Data Quality	
Lineage	The raw aerial photographs and photo point locations were provided to GA by AAM in September 2011. The photo points were joined to create flight lines using ArcMap extension XTools, based on the flight number and photo order. The angle of each flight line was calculated in ArcMap and spatial attached to the original photo points of the line. The length and height of the raw individual aerial photographs were estimated manually using previous imagery. These dimensions were also attached to the point attributes. The dimensions and angles were then used to generate rectangles in GeoWizard of the photo extents.
Positional Accuracy	Flight rectangles are only intended to be approximate. In some cases the photo was not taken looking down from the central point and therefore is located to the side of the extent rectangle. The size is approximate and will match the size of some photographs better than others.
Attribute Accuracy	Not Documented
Logical Consistency	Consistent

Completeness	GA recognises that there is still more work that can be done to yield an error free data set.
Contact Information	
Contact Organisation	Geoscience Australia
Contact Position	Keith Porritt
Mail Address	Cnr Jerrabomberra Ave and Hindmarsh Drive
Locality	SYMONSTON
State	A.C.T
Country	Australia
Postcode	2609
Telephone	(02) 6274 6124
Facsimile	(02) 6249 9983
Electronic Mail Address	Keith.Porritt@ga.gov.au
Metadata Date	29-11-2011
Additional Metadata	
Projection	UTM (GDA94) zone 47s

Cocos (Keeling) Islands GIS
Satellite Imagery





Satellite Imagery
Top: Detail of Home Island
Above Left: Newly included image of North Keeling Island
Above Right: The Cocos Atoll

Dataset	
Title	Satellite Imagery
Custodian	Geoscience Australia (GA)
Jurisdiction	Australia
Description	
Abstract	Pan-sharpened satellite imagery of the Cocos (Keeling) Islands recorded using the QuickBird

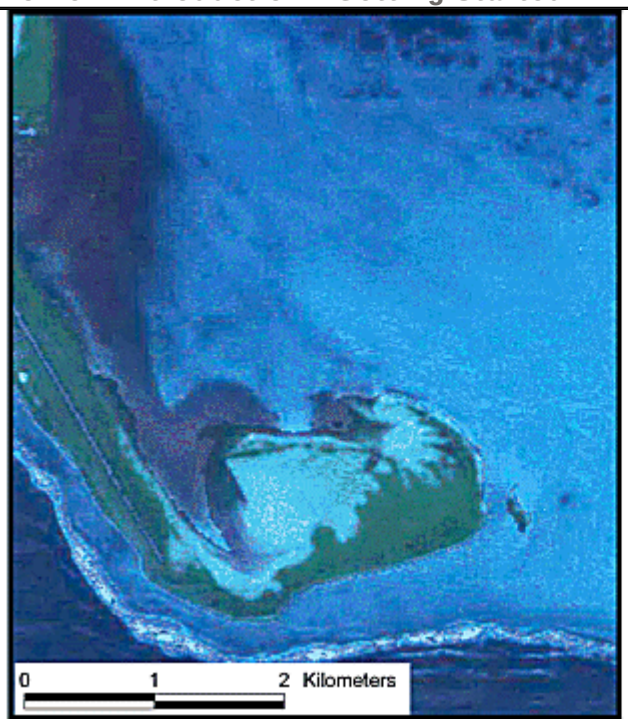
	Digital Globe satellite, taken over the islands in November 2003. Each pixel represent 0.6m.
Search Word(s)	PHOTOGRAPHY AND IMAGERY Imagery PHOTOGRAPHY AND IMAGERY Satellite
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	05NOV2003
Ending Date	07NOV2003
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	as required
Access	
Stored Data Format	DIGITAL - ERMapper ECW & TIFF/TFW
Available Format Type	DIGITAL - ERMapper ECW & TIFF/TFW
Access Constraint	Please read the license agreement for limits to the access of the satellite imagery included on this CD. If you are unsure whether you are a registered user please consult this table.
Data Quality	
Lineage	Quickbird satellite imagery of Cocos Islands was commissioned by the Department of Environment and Heritage in mid 2003 and supplied to the Australian Government by DigitalGlobe in November 2003. The Quickbird satellite recorded reflectance data of the islands in the red, green, blue, near infra-red and panchromatic bands, in 11 bit format. All sharpened imagery has a resolution of 0.6m/pixel. Geoscience Australia was supplied with the full multi-spectral data for the Cocos (Keeling) Islands in the form of an 8 bit TIFF image containing the red, green, blue and near infra-red bands. The panchromatic band was also supplied as an 8-bit TIFF. Digital Globe undertook pan-sharpening of the satellite imagery, in the process dividing the imagery into four sections. Four 8-bit pan-sharpened TIFFs, one for each of the four sections, containing the red, green and blue bands was supplied to GA. Each pixel on the pan sharpened imagery represents 0.6m. Further details regarding the satellite imagery can be viewed in the full DigitalGlobe documentation 'CocosGIS\data\sat_imagery\DigGlobe_productguide_2003.pdf'.

	All satellite images were supplied to Geoscience Australia in WGS84 Geographics. GA joined the images using ER Mapper 6.4 and then using the ER Mapper Geocoding Wizard GA reprojected the full image into UTM GDA94. [Previously due to restrictions in computer processing power and a file size limit in ER Mapper 6.3 the four pan sharpened images were reprojected separately which led to gaps appearing at the joins in the four sections.
	
	Also received from Digital Globe was a satellite image of North Keeling Island. As with the other satellite imagery this was supplied as a multi-chromatic, a pan-chromatic image and a pan sharpened the image. Using the ER Mapper Geocoding Wizard Geoscience Australia reprojected the image into UTM GDA94.
	
	DigitalGlobe advise that the positional accuracy of the imagery is +/-14.7m RMSE. Due to this low level of positional accuracy, an x y shift was also applied to more accurately position the imagery by correlation with the lodged cadastre on screen as follows:
	
	• Before cadastral re-alignment (see cadastre section of manual):
	  ○ 16.9m East
	  ○ 6.9m South
	• After cadastral re-alignment
	  ○ 2.4m West
	  ○ 3.14m South
	
	This shift brought the imagery inline with the current cadastre and reprojected orthophotography.
	
	Due to disk space limitations these images are stored in ECW (Enhanced Compressed Wavelet) format. The main Cocos island group is stored in the 'CocosGIS\data\sat_imagery\ecw' directory under the filename of 'cocos_satim.ecw'. The North Keeling Island ECW is located in the same directory with the filename 'nth_keeling.ecw'

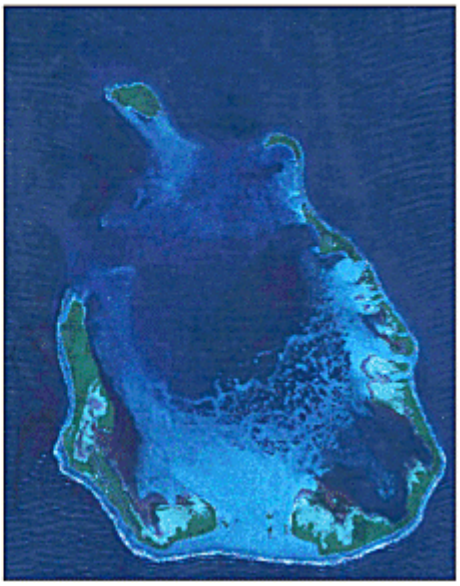
Full notes from Cocos GIS 2003 release	The satellite imagery was supplied in WGS84 Geographics. Due to limitations of software and hardware Geoscience Australia projected the four 8 bit pan-sharpened TIFF images of the main atoll into UTM WGS84. The four reprojected TIFFs were then joined. As a result gaps between the four sections of imagery were apparent.

	The image in it's entirety was saved as an Enhanced Compressed Wavelet (ecw) image, where each pixel represented 0.6 metres. Nineteen 1km x 1km TIFF images, and two 1.5km x 1km TIFF images covering Home, West and Direction island were created from the image and are included with the 2004 release of the GIS. Geoscience Australia shifted the ecw image (x +16m, y - 7m) to match the more accurately positioned 2003 cadastre shapefile and the orthophotography. The TIFFs over Home and Direction Isalnds (x +16m, y-7m) and West Island (x +14m, y -9m) were also shifted to align with the orthophotography and 2003 cadastre.
Positional Accuracy	The satellite imagery has been shifted to match the 2003 cadastre. Positional accuracy of the satellite imagery therefore mimics the accuracy of cadastre2003.shp.
Attribute Accuracy	not applicable
Logical Consistency	not applicable
Completeness	Complete
Contact Information	
Contact Organisation	Geoscience Australia
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	18-02-2005
Additional Metadata	
Projection	UTM (GDA94) zone 47 S

Cocos (Keeling) Islands GIS
Spot Satellite Image



Spot Imagery



Dataset	
Title	Spot Image
Custodian	Geoscience Aust Organisation (AGSO)
Jurisdiction	Australia
Description	
Abstract	A multi spectral spot image was used in a poster that was published by AUSLIG in 1992. This image (not the poster) was then scanned by AGSO on September 4th, 2000. Both TIFF and JPG files exist. This image was created to be used in areas (eg. center of southern atoll) where there was no orthophotography coverage. This TIFF image is best used at a scale no less than 1:50000, zooming in past this results in a pixelated image and a loss of definition.
Search Word(s)	PHOTOGRAPHY AND IMAGERY Multi Spectral PHOTOGRAPHY AND IMAGERY Spot
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	01APR1987
Ending Date	01APR1987
Dataset Status	
Progress	Complete

Maintenance and Update Frequency	not planned
Access	
Stored Data Format	DIGITAL - TIFF/TFW & JPG NON DIGITAL - Hardcopy poster
Available Format Type	DIGITAL - TIFF/TFW & JPG
Access Constraint	See contact details below.
Data Quality	
Lineage	Spot satellite imagery was originally aquired in April 1987. This was then made into a poster and publised by ANZLIC in 1992. Since then the image has been scanned by AGSO (September 2000) using a high resolution drum scanner. The image is in TIFF format and has been geolocated and a TWF file created.
Positional Accuracy	The TFW file was created by matching the TIFF image against the vector line work of the southern atoll. Because of the loss of definition as you zoom in on the image, the lines cannot be matched very precisely. This results in positional accuracy around 40m of reference lines.
Attribute Accuracy	not applicable
Logical Consistency	not applicable
Completeness	Both the scan of the Spot image and the geolocation is complete and no changes or amendments are planned.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	24-07-2000
Additional Metadata	
Projection	Cocos (Keeling) Islands Grid 1992 (CKIG92)

Cocos (Keeling) Islands GIS
© Orthophotography

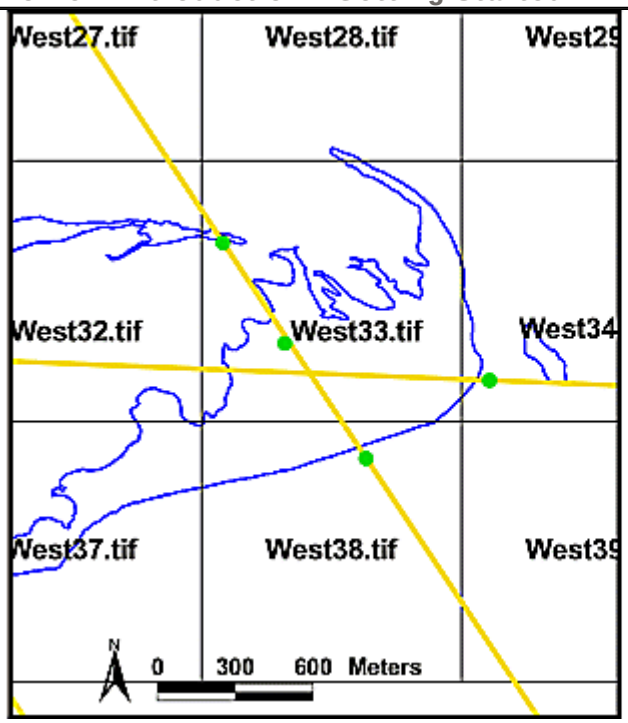
Orthophotography

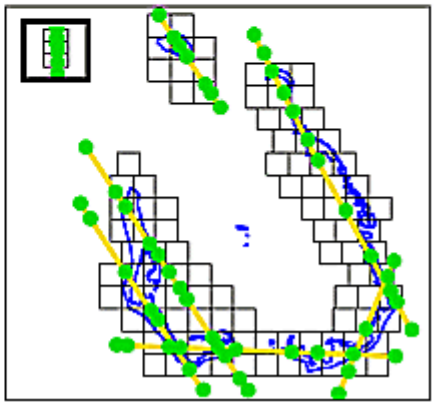
Orthophotography covers all Cocos Islands.
The sample (left) shows the vicinity of the jetty on Home Island

Dataset	
Title	Orthophotography
Custodian	Geoscience Australia
Jurisdiction	Australia
Description	
Abstract	Colour orthophotography of the Cocos (Keeling) Islands, derived from aerial photography taken over the islands on 5th April 1987 (islands only, not including the lagoon). The orthophotography has a 25cm on-the-ground pixel size. The quality of the orthophotography is impressive, with acceptable resolution down to 1:400 scale.
Search Word(s)	PHOTOGRAPHY AND IMAGERY Aerial PHOTOGRAPHY AND IMAGERY Orthophotography
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	05APR1987
Ending Date	05APR1987
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	as required
Access	
Stored Data Format	DIGITAL - ERMapper ERS & TIFF/TFW

Available Format Type	DIGITAL - ERMapper ERS & TIFF/TFW
Access Constraint	See contact details below.
Data Quality	
Lineage	Aerial photography was flown by Australian Survey Office Canberra in 1987, scanning was done by Kevron Aerial Surveys and orthorectification by LandInfo (Canberra) in 2000. In December 2003 GA projected the data to UTM (WGS84) zone 47S. In February 2005 GA reporjected the imagery as a whole and re-cut the tiff imagery to improve visualisation of data.
Positional Accuracy	GA expects the Cocos orthophotography over the main atoll to be within a meter of its true position. Exceptions to this high level of accuracy are Horsborough Island and North Keeling Island, which are on unconnected flight lines and did not have reliable ground control available. Initial indications are that the North Keeling orthophotography could be around 35 meters out, and the Horsborough Island orthophotography could be up to 20 meters out.
Attribute Accuracy	not applicable
Logical Consistency	not applicable
Completeness	Appears complete for all areas. Georeferencing of Horsburgh and North Keeling Islands has not proven to be very accurate.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrook@ag.gov.au
Metadata Date	13-1-2004
Additional Metadata	
Projection	UTM (WGS84) zone 47S

Cocos (Keeling) Islands GIS
Flight Lines & Photo Centres

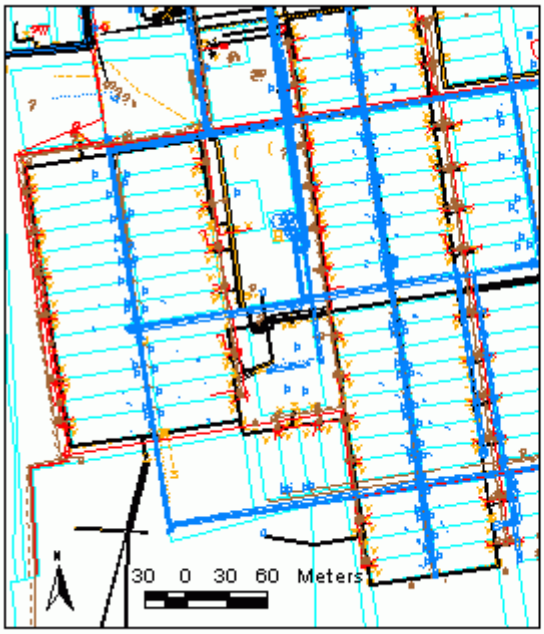




Dataset	
Title	Flight Lines and Photo Centers
Custodian	Geoscience Australia
Jurisdiction	Australia
Description	
Abstract	This dataset shows the approximate flight paths (lines) and centres of the aerial photography in relation to the Cocos Islands. This data is used to establish and map the approximate coverage and location of orthophotos over the island. Two shape files were created, one to describe the flight lines the other to describe the photo centers.
Search Word(s)	PHOTOGRAPHY AND IMAGERY Aerial PHOTOGRAPHY AND IMAGERY Plan
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	09MAY2000
Ending Date	11MAY2000
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not planned
Access	

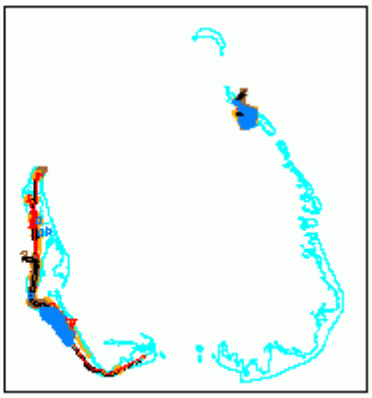
Stored Data Format	DIGITAL - ESRI Shapefile
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below.
Data Quality	
Lineage	This data was originally provided as a flight diagram on a paper hard copy map. This was then digitised from the flight line diagram using an on-screen based scanned version of the hard copy map as polylines and points respectively. In December 2003 GA projected the data to UTM (WGS84) zone 47S using ArcView.
Positional Accuracy	This data set has been produced by GA to locate the approximate flight paths and photo centers for the orthophotography. GA has found the level of accuracy to be adequate for the purpose intended.
Attribute Accuracy	The table attributes describe the photograph number and the corresponding flight run number.
Logical Consistency	The themes are used to describe the flight paths and the photo centers of the aerial photography.
Completeness	Appears complete for areas other than Horsburgh and North Keeling Islands.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	13-1-2004
Additional Metadata	
Projection	UTM (WGS84) zone 47S.

Cocos (Keeling) Islands GIS
Utilities



Utilities

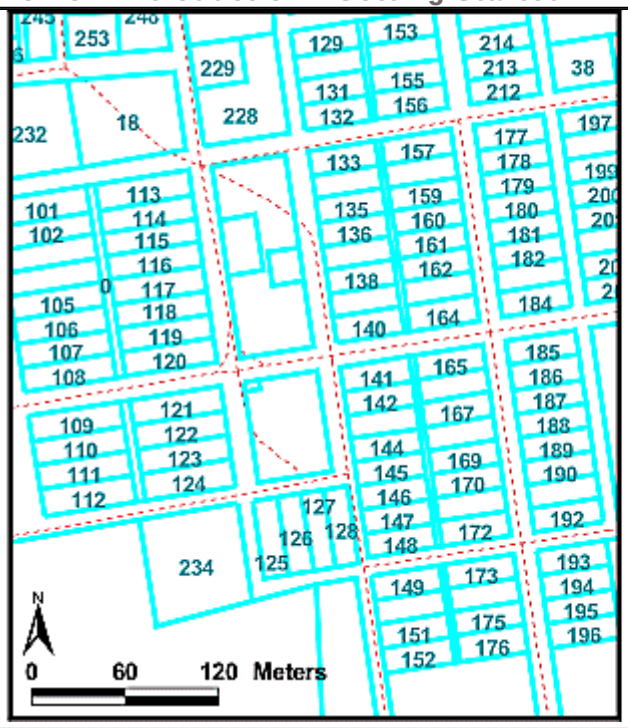
Fuel
Gas
Power
Telecommunications
Waste water
Water supply

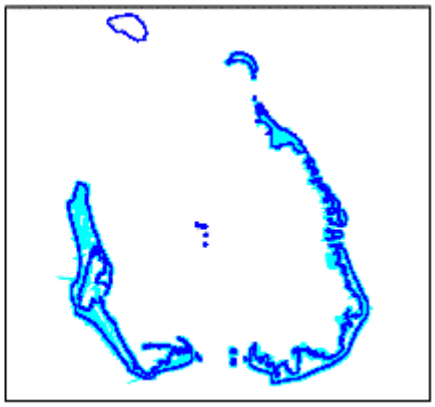


Dataset	
Title	Utilities
Custodian	Geoscience Australia (GA)
Jurisdiction	Australia
Description	
Abstract	This dataset contains point, line and polygon water supply, waste water, power, fuel, gas and telecommunications data for the Cocos (Keeling) Islands. Coverage is of Home and West Islands.
Search Word(s)	LAND utilities
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	1994
Ending Date	25-03-2003
Dataset Status	
Progress	complete
Maintenance and Update Frequency	As required
Access	
Stored Data Format	ESRI Shapefile, DGN, DXF, DWG
Available Format Type	ESRI Shapefile
Access Constraint	Restricted, see contact details below
Data Quality	

Lineage	GA received ESRI shapefiles for telecommunications, gas and fuel, water supply, waste water, and power datasets. The shapefiles were in CKIG92. GA projected these shapefiles into UTM (WGS84) zone 47S. Lineage prior to receipt by GA can be viewed in the original documentation.
Positional Accuracy	Some positional errors persist in the data.
Attribute Accuracy	These details are believed to be true and accurate.
Logical Consistency	appears consistent.
Completeness	complete.
Contact Information	
Contact Organisation	Department of Transport and Regional Services
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	19-01-04
Additional Metadata	
Projection	UTM (WGS84) Zone 47S

Cocos (Keeling) Islands GIS
Cadastre





Dataset	
Title	Cadastre
Custodian	Department of Land Administration (DOLA)
Jurisdiction	Western Australia
Description	
Abstract	This dataset contains polygon cadastral data and non-spatial attribute data for the Cocos (Keeling) Islands. Horsburgh Island and North Keeling Atoll are not included in this dataset.
Search Word(s)	LAND Cadastre LAND Ownership
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	Not known
Ending Date	AUG2004
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not known
Access	
Stored Data Format	DIGITAL - ESRI Shapefile
Available Format Type	DIGITAL - ESRI Shapefile
	Please read the license agreement for limits to the

Access Constraint	access of the satellite imagery included on this CD. If you are unsure whether you are a registered user please consult this table.
Data Quality	
Lineage	In December 2004 Geoscience Australia received the scheduled cadastral update from Tony Yeomans of the Department of Land Information (DLI, formerly DoLA). This update consisted of two ESRI shapefiles and two access databases. One of the ESRI shapefiles contains current property boundary information and the other contains lodged changes to property boundaries. Both ESRI shapefiles arrived at Geoscience Australia pre-projected in UTM (GDA94). The reason for differences between the lodged cadastre and the current cadastre is that current data could have been calculated or digitized, etc. When lodged data is integrated into current, the area is spatially upgraded with the new survey data (lodged data) as this would be more accurate. One access database contained data relating to tenure information including address. The other contained data on reserves. In January 2005 Geoscience Australia also obtained ground audit data from Peter Brockmulen of the Department for Planning and Infrastructure (DPI, formerly DoLA). This ground audit was conducted in 2004 at the request of the Department of Territories and Rural Services in Western Australia. It contains data describing land use and reserve usage. To produce the final cadastral information the files were modified and combined as follows. Due to initial consultation with users of the GIS it was decided to keep the cadastre containing current property boundaries and the cadastre containing lodged changes to property boundaries separate. As such the following changes were made to each file separately. Additionally the cadastral boundary for North Keeling Island, taken from the last version of the cadastre, was joined to the current cadastre shapefile. From discussion with users of the GIS it became

	apparent that the field LOT_TYPE was causing confusion with it's meaning. This is because it is a computer generated field that does not reflect the tenure of the land. Instead land tenure is derived from the PI_PARCEL field. To avoid this problem Geoscience Australia removed the LOT_TYPE field and replaced it with a TENURE field derived from the PI_PARCEL field and based on the definitions from the NORM manual as supplied by DLI. Using tenure information from the database supplied by DLI and from the land audit information supplied by Peter Brockmulen, Geoscience Australia joined on the fields ADDRESS, ZONING, RESERVE, PURPOSE and MANAGEMENT were joined on lot number. For multiple instances of lot numbers information was entered manually based on the land audit information supplied by Peter Brockmulen. From reserve data supplied by DLI the fields RSV_VESTIN, RESERVE_US and LGA were joined using the PIN field. Finally Geoscience Australia made the decision to move the cadastral data to be in line with previous data such as orthophotography. As such the following xy shift was used on both the cadastre and the lodged shape files: • X+3.26m • Y-1.04m This set cadastre data within 0.1m of older versions. In the future Geoscience Australia plans to asses the positioning of the cadastre based on the GPS ground control station on West Island and the satellite imagery. In the 'cadastre_dli' folder of the cadastre directory is included the lodged and cadastre shape files as projected by DLI but with all data joined.
Notes of Previous Versions.	Territories Office contract DOLA to maintain this data under a 'Service Delivery Arrangement'. Prior to 1992 AUSLIG maintained the data on behalf of Territories Office. August 2004: Geoscience Australia was supplied with the latest Cocos (Keeling) Islands cadastre by DOLA in Western Australia as an ESRI shapefile. This included for the first time a polygon for North Keeling Island which outlined the coast.

The following steps were carried out to merge the cadastre with previously collected ground audit data:

1. The cadastre was supplied to Geoscience Australia in two halves. One contained leaseholds that were current and the other contained leaseholds that had been lodged to be changed. A new field was added to each cadastre called 'legal_stat' standing for Legal Status. In the cadastre of current leases this was set to 'final' and in the cadastre of lodged leases this was set to 'lodged'.
2. The lodged and current cadastres were combined to form a full cadastre of the Cocos (Keeling) Islands.
3. This new cadastre and the previous version's cadastre were linked via polygon pin number. This allowed GA to separate those polygons which were had different pin numbers in the new cadastre.
4. Those polygons which had not changed were joined to the additional data on pin number.
5. Polygons which had new pin numbers were joined to the ground audit data with a spatial join.
6. The tables containing the unchanged polygons and the new polygons were then merged to create the current cadastre.
7. Duplicate fields in the cadastre were removed preserving the latest data available.
8. This new cadastre was then incorporated into the Arc View and Arc Explorer projects.

These changes were made using Arc View.

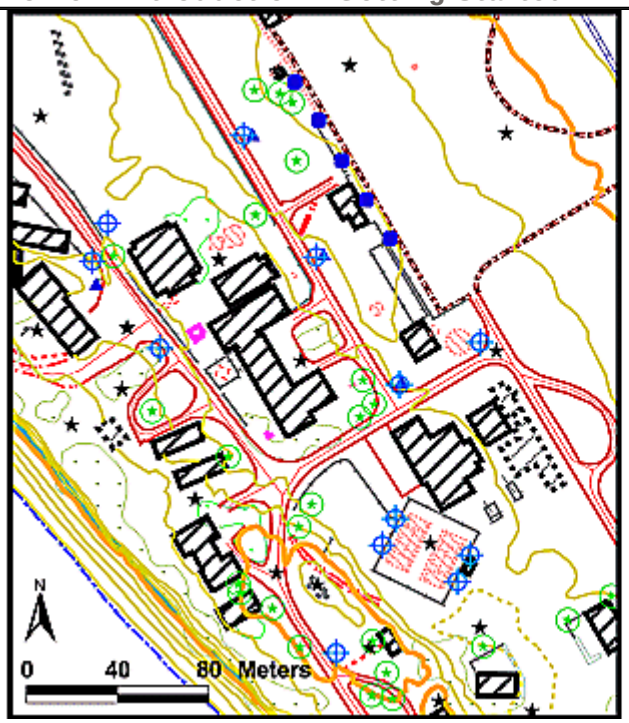
December 2003: GA received an updated cadastre from GHD Pty Ltd in the CKIG92 projection. This 2003 cadastre shapefile, and all previous versions of the cadastre were projected to UTM(WGS84) zone 47S for addition to the 2003 GIS

March 2003: Geoscience Australia obtained a resupply of the Cocos cadastre from DOLA via Nic dell'Aquila, Territories Office Canberra. The date of the shapefiles DOLA supplied were 7/2/03. The projection was geographics. Geoscience Australia projected the cadastre to CKIG92 using Arc View 3.2. Then using ArcGIS with all the new layer selected one node was snapped to the prior Cocos GIS cadastre. For the south eastern islands the prior polygons were used as these again did not

	match by around 40 meters. See the following lineage for an explanation. The prior attributes were again joined in to the DOLA cadastre. February 2000: AGSO projected the data from Geographic (WGS84) to Cocos (Keeling) Islands Grid 1992 using ArcView 3.2a projection utility. Deleted erroneous polygons (large area, small visible extent) from shapefile after checking that they were spatially non-unique and contained no attributes. AGSO also joined Cocos ground audit data acquired as a DBF to the cadastre table. August 2000: AGSO moved all small islands between Home Island and South Island to match the orthophotography. This was done by manually editing the shapefile in ArcView 3.2 (XY-shift and/or Stretch). Islands which formed logical groups were moved/stretched as a group in order to minimise modification of the original data. August 2000: AGSO warped South Island and all nearby small islands to visually match the orthophotography (translation/rotation/stretching was not adequate). This was done using the ShapeWarp 2.2 ArcView Extension and a third-order polynomial fit on 28 Ground Control Points which resulted in an RMS Error of 4.58057.
Positional Accuracy	Absolute positional accuracy is not known. Because this is understood to be the islands' authoritative cadastre, the cadastre has been used as the reference dataset. Comparison with the Orthophotography and other datasets indicate that for islands other than the main islands, accuracy may not be as high as hoped. For South Island, prior to AGSO's warping it to match the orthophotography, mismatches with the orthophotography were up to approximately 45 metres. Following warping, mismatches are up to approximately 5 metres.
Attribute Accuracy	not known (The field *A_Pin* was assumed equivalent to the *Pin* field in the Ground Audit data and the tables were joined. For a discussion of AGSO's evaluation of Ground Audit attribute accuracy see the System Documentation).
Logical Consistency	This shapefile contains lines that denote cadastral boundaries. Through their use, it has been noted that the spatial content is complete and consistent in describing cadastral boundaries. Attribute data contains fields that are not completely filled however all records have a unique ID number.

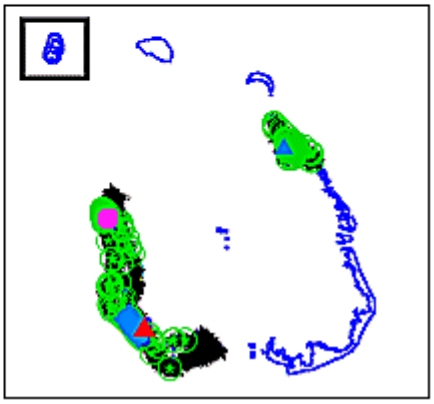
Completeness	Appears complete for areas other than Horsburgh and North Keeling Islands. Attributes are apparently not complete (there are a lot of blank entries where, for GIS use, entries should not be blank).
Contact Information	
Contact Organisation	Department of Land Administration (DOLA)
Contact Position	Product Officer, Land Enquiry Centre
Mail Address	PO Box 2222
Locality	Midland
State	Western Australia
Country	Australia
Postcode	6936
Telephone	(08) 9273 7344
Facsimile	(08) 9273 7655
Electronic Mail Address	Tony_Yeomanszzz@zzzdola.wa.gov.au(Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	19-01-2004
Additional Metadata	
Projection	UTM(WGS84) Zone 47 - originally supplied as Geographic (WGS84) projection.

Cocos (Keeling) Islands GIS
Topography



Topography

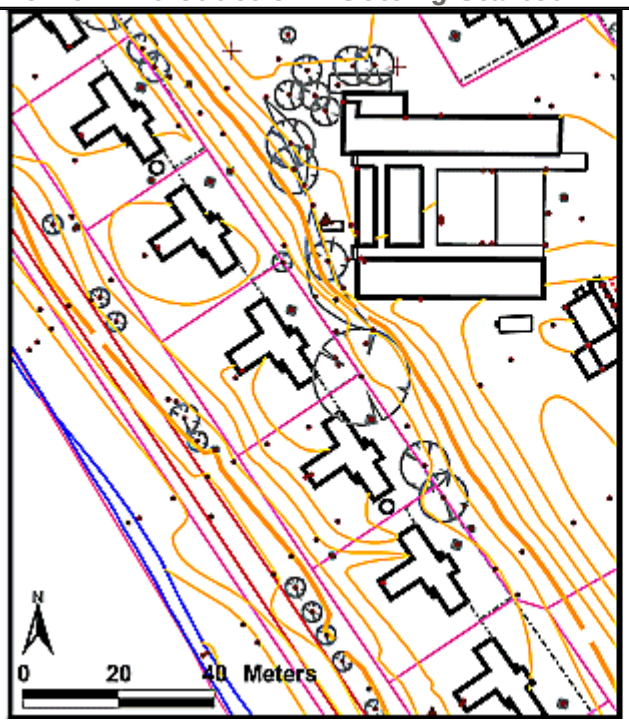
Infrastructure
Topography
Roads
Hydrography
Airport Infrastructure

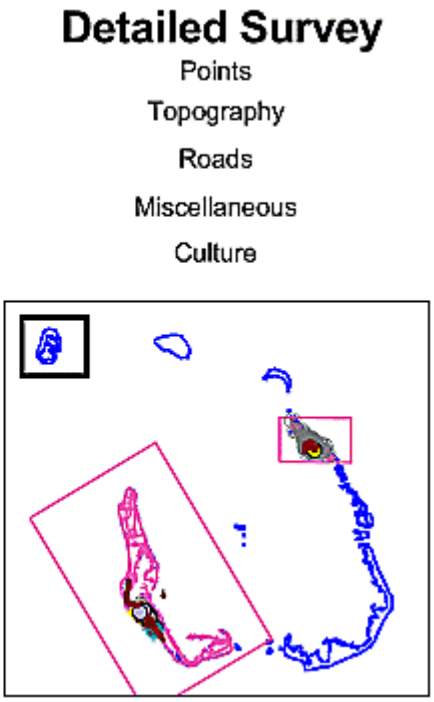


Dataset	
Title	Topography
Custodian	Geoscience Australia (GA)
Jurisdiction	Australia
Description	
Abstract	This dataset contains point, line and polygon topographic and cultural data for the Cocos (Keeling) Islands. Coverage is of Home and West Islands. To view a sample of the data showing the ArcView legend click here.
Search Word(s)	LAND Topography
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	not known
Ending Date	not known
Dataset Status	
Progress	complete
Maintenance and Update Frequency	not known
Access	
Stored Data Format	ESRI Shapefile, DGN
Available Format Type	ESRI Shapefile

Access Constraint	not known
Data Quality	
Lineage	Obtained from LandInfo (Sinclair Knight Mertz) 8/12/99 who retained the data from a project previously undertaken by the Australian Surveying and Land Information Group (AUSLIG) for the Territories Office earlier in the decade. Lineage is not known prior to receipt by GA as no metadata was received. GA converted the DGN files received into ESRI Shapefiles and projected the files to CKIG92. The files were renamed to reflect their content. Some features which were illogical were deleted (eg. Polygon contours, Runway lights labeled as golf tees). In December 2003, GA projected the topography data to UTM(WGS84) Zone 47S.
Positional Accuracy	In this GIS system the Cadastre was taken as the reference dataset. For West Island the position of features is accurate. For other islands the position of features is up to 5 metres displaced from the Cadastre. The accuracy of features in the third dimension is questionable (their are spikes in the data that are probably not real).
Attribute Accuracy	Height attributes are incomplete. Polygon runway lights were labeled as golf tees. Otherwise attributes appear to be accurate.
Logical Consistency	Appears consistent.
Completeness	Appears complete.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	19-01-2004
Additional Metadata	
Projection	UTM (WGS84) Zone 47S

Cocos (Keeling) Islands GIS
Detailed Survey



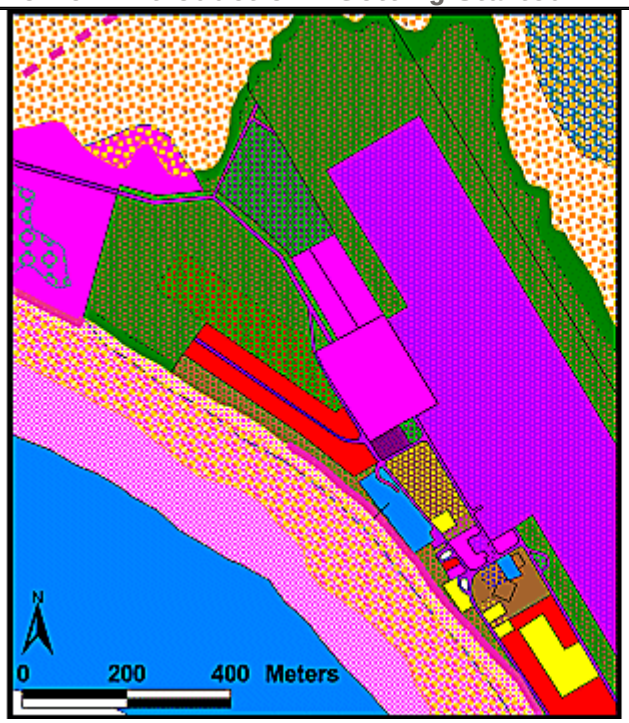


Dataset	
Title	Detailed Survey
Custodian	Geoscience Australia (GA)
Jurisdiction	Australia
Description	
Abstract	This dataset contains points, lines and polygon data of topographical, cultural and infrastructual features. A sample of the Arc View legend that accompanies the above view can be seen here. This dataset covers all of Home Island and most of West Island however the detail is lost outside of the built up areas. The other islands and North Keeling Atoll are not included in this dataset.
Search Word(s)	HUMAN ENVIRONMENT Planning LAND Survey LAND Use
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	not known
Ending Date	not known
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not known

Access	
Stored Data Format	DIGITAL - ESRI Shapefile, DGN files
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below.
Data Quality	
Lineage	Not known prior to receipt by GA. GA converted the DGN files to shapefile format (annotation to coverage). GA projected the data to CKIG92, split the data into logical divisions for ease of use, deleted or corrected some erroneous features, and improved the attribution. In December 2003, GA projected the data into UTM (WGS84) zone 47S using Arcview.
Positional Accuracy	Appears to match orthophotography quite well. General accuracy over populated areas is good; other areas are much lower resolution. Specifically, many housing features do not appear to match actual ground features, and may have been derived from a conceptual plan not actually implemented.
Attribute Accuracy	Many features do not appear to be correctly attributed (eg. map tic marks attributed as pipes). Many features are not attributed (eg. trees). Most features appear correctly attributed.
Logical Consistency	This data seems to be a compilation of data from a variety of scales and sources. It is not consistently accurate and contains apparent duplication of features attributed differently.
Completeness	Data collection appears complete for the islands but as specified in the abstract, does not include the islands other than Home Island and West Isand, and only contains detailed data over populated areas.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)

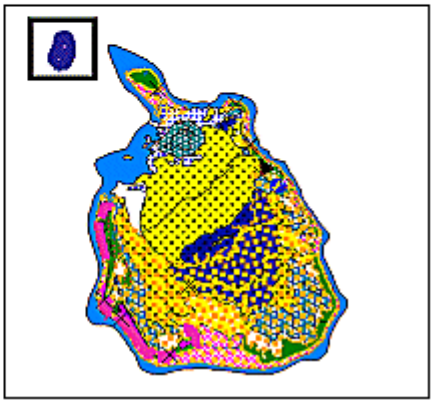
Metadata Date	13-01-2004
Additional Metadata	
Projection	UTM (WGS84) zone 47

Cocos (Keeling) Islands GIS
Land Use Plan & Planning Scheme



Landuse and Planning Sheme

Topography & Vegetation
Planning Options & Preferences
Habitat & Lagoon Areas
Marine & Recreation Areas
Landuse Zones



Dataset	
Title	Cocos (Keeling) Islands Land Use Plan and Planning Scheme 1992 GIS Database
Custodian	Cocos (Keeling) Islands Council
Jurisdiction	Cocos (Keeling) Islands
Description	
Abstract	This dataset contains planning related cultural and environmental layers. Source data is of variable resolution as outlined in the original documentation. Standard attributes such as UFI, AREA and PERIMETER, LENGTH will be in addition to those in the following table. UFI is a unique feature identifier. Layers include:

SHAPEFILE NAME	FEATURES	EXTENT	FEATURE CLASS	ATTRIBUTES
airport.shp	Runway and parking area	West Island	Polygon	FEATURE; DESC
erosion.shp	Erosion prone coastline; Potential breach areas	West Island	Line	CODE; FEATURE; DESC
habitat.shp	Migratory bird habitats	Southern Atoll	Polygon	TYPE; FEATURE; DESC; SPECIES
islands.shp	Coastline	Southern Atoll	Polygon	FEATURE; DESC; HECTARES
lagoon.shp	Reef outline; Coastline	Southern Atoll	Polygon	ZONE; FEATURE; DESC
	Coastline;			

landuse.shp	Cadastral boundaries; Existing land use	Southern Atoll	Polygon	USE; FEATURE; DESC
marine.shp	Coastline; Marine habitats	Southern Atoll	Polygon	CODE; FEATURE; DESC; HABITAT; HABITATG
marres.shp	Coastline; Important marine areas	Southern Atoll	Polygon	TYPE; FEATURE; DESC
nklagoon.shp	Reef outline; Coastline	North Keeling Island	Polygon	ZONE; FEATURE; DESC
nksites.shp	Heritage sites	North Keeling Island	Point	TYPE; FEATURE; DESC
nkuse.shp	Coastline; Cadastral boundaries; Existing land use	North Keeling Island	Polygon	USE; FEATURE; DESC
northk.shp	Coastline	North Keeling Island	Polygon	FEATURE; DESC; HECTARES
option.shp	Coastline; Planning options	Southern Atoll	Polygon	OPT; FEATURE; DESC
pref.shp	Coastline; Preferred planning options	Southern Atoll	Polygon	OPT; FEATURE; DESC
recres.shp	Coastline; Recreation facilities and water-based activities	Southern Atoll	Polygon	TYPE; FEATURE; DESC
reef.shp	Reef outline	Southern Atoll	Polygon	None
roads.shp	Sealed and unsealed roads; Cycle path	Southern Atoll	Line	TYPE; FEATURE; DESC
rubbish.shp	Coastline; Rubbish problem areas	Southern Atoll	Polygon	DUMP; FEATURE; DESC
sites.shp	Heritage sites	Southern Atoll	Point	TYPE; FEATURE; DESC
sites2.shp	Heritage sites	Southern Atoll	Polygon	TYPE; FEATURE; DESC
topo.shp	Coastline; Reef flat; Lagoon; Beaches; Swamps	Southern Atoll	Polygon	FEAT; FEATURE; DESC
tourist.shp	Proposed tourist development areas	Southern Atoll	Polygon	None
utilslin.shp	Public utilities and services infrastructure	Southern Atoll	Line	TYPE; FEATURE; DESC; LABEL
utilspnt.shp	Public utilities and services infrastructure	Southern Atoll	Point	TYPE; FEATURE; DESC; LABEL
veg.shp	Coastline; Native vegetation communities	Southern Atoll	Polygon	TYPE; FEATURE; DESC
veg2.shp	Coastline; Vegetation structure	Southern Atoll	Polygon	STRUC; FEATURE; DESC

	water.shp	Known and potential groundwater lenses	Southern Atoll	Polygon	LENS; FEATURE; DESC
	zone.shp	Coastline; Statutory land use plan	Southern Atoll	Polygon	ZONE; FEATURE; DESC
	psm.shp	Survey marks	West Island; Home Island	Point	PSM; DESC; AS2482; HEIGHT

Search Word(s)	HUMAN ENVIRONMENT Planning HUMAN ENVIRONMENT Structures and Facilities HUMAN ENVIRONMENT Urban Design
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	not known
Ending Date	1 Jan 1992
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	Not Known
Access	
Stored Data Format	ESRI Shapefile
Available Format Type	ESRI Shapefile
Access Constraint	Not Known
Data Quality	
Lineage	For lineage prior to receipt by AGSO, see original documentation (PDF). GA merged southern atoll layers where islands were separate layers, added FEATURE and DESC fields to shapefiles (description sourced from documentation and/or look-up tables). The FEATURE field contains short, upper case entries without spaces (facilitating portability). GA added UFI (Unique Feature Identifier) fields to all attribute tables. For the marine.shp shapefile, the original TYPE field was used to populate the new FEATURE and DESC fields. HABITAT is a description of the CODE field. HABITATG is a grouping of the CODE field as outlined in the original documentation for the *marres2* coverage. In December 2003 GA projected the data to UTM (WGS84) zone 47S.

Positional Accuracy	Variable. For descripions of accuracy see the original documentation.
Attribute Accuracy	not known
Logical Consistency	not known
Completeness	Appears complete for areas other than Horsburgh and North Keeling Islands.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this e-mail)
Metadata Date	13-1-2004
Additional Metadata	
Projection	UTM (WGS84) zone 47S - originally supplied as Universal Transverse Mercator (UTM) Zone 47S (WGS72) projection.

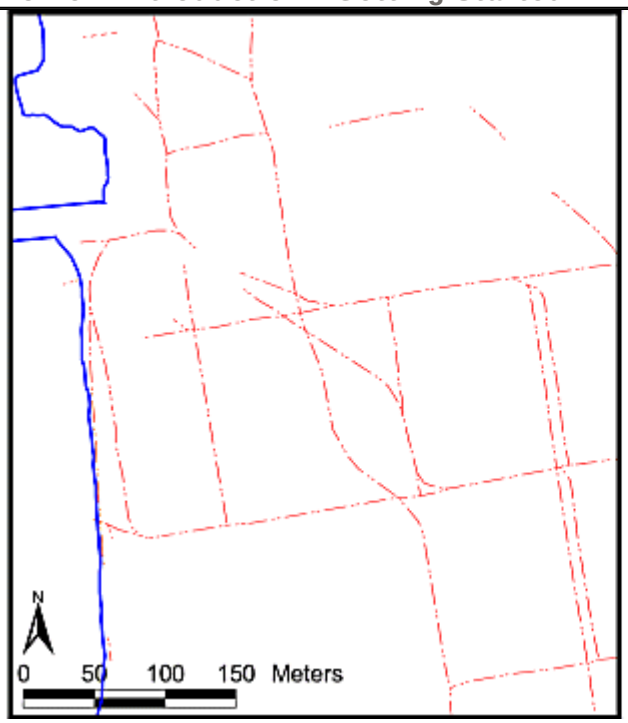
Cocos (Keeling) Islands GIS

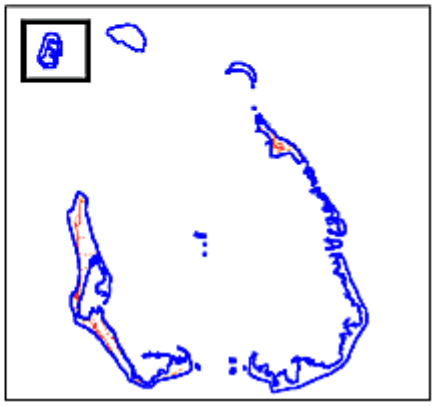
Cocos (Keeling) Islands GPS Tracks

Dataset	
Title	Cocos (Keeling) Islands GPS Tracks - Downloads from GPS of on-Island Trips
Custodian	Geoscience Australia
Jurisdiction	Australia
Description	
Abstract	This dataset consists of GPS data from Cocos (Keeling) Island visitors who track their travels around the island group using GPS units. This is useful to test the accuracy of aerial imagery and road \ track location data. The inter-island ferry is also being tracked to provide location data on the various wharfes and landing sites that are used as well as the local shipping channels. The GPS measurements may not be highly accurate and have infrequent points around corners. However, over many traverses the positional accuracy of the Cocos GIS datasets is proving to be better than expected.
Search Word(s)	COCOS (KEELING) ISLANDS GPS TRACK DATA COCOS (KEELING) ISLANDS GPS ROAD DATA COCOS (KEELING) ISLANDS GPS FERRY DATA
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	May 2004

Ending Date	June 2005
Dataset Status	
Progress	Ongoing
Maintenance and Update Frequency	Annually if new data is provided
Access	
Stored Data Format	DIGITAL - ESRI Shapefile
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	Unrestricted
Data Quality	
Lineage	The GPS track data is derived from direct downloads from various GPS recievers using Garfield Pro or OZI explorer software. Data has been recorded in MGA(UTM Zone 47) projection so no dataset conversion has been necessary.
Positional Accuracy	This data set is only intended to verify the positional accuracy of imagery, exsisting road and track data etc. and have proven adequate for this purpose.
Attribute Accuracy	The GPS manufacturers claim an accuracy of +/- 5m RMS.
Logical Consistency	Consistency.
Completeness	This is an ongoing data set and over time will yield an up to date data set of road, track, wharf and ferry traffic channel locations for the Cocos (Keeling) Islands.
Contact Information	
Contact Organisation	Geoscience Australia (GA)
Contact Position	
Mail Address	Cnr Jerrabomberra Ave and Hindmarsh Drive
Locality	SYMONSTON
State	A.C.T
Country	Australia
Postcode	2609
Telephone	(02) 6249 9479
Facsimile	(02) 6249 9983
Electronic Mail Address	keith.porrittzzz@zzzga.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	27-7-2005
Additional Metadata	
Projection	UTM (WGS84) zone 47S.

Cocos (Keeling) Islands GIS
Road Centerlines

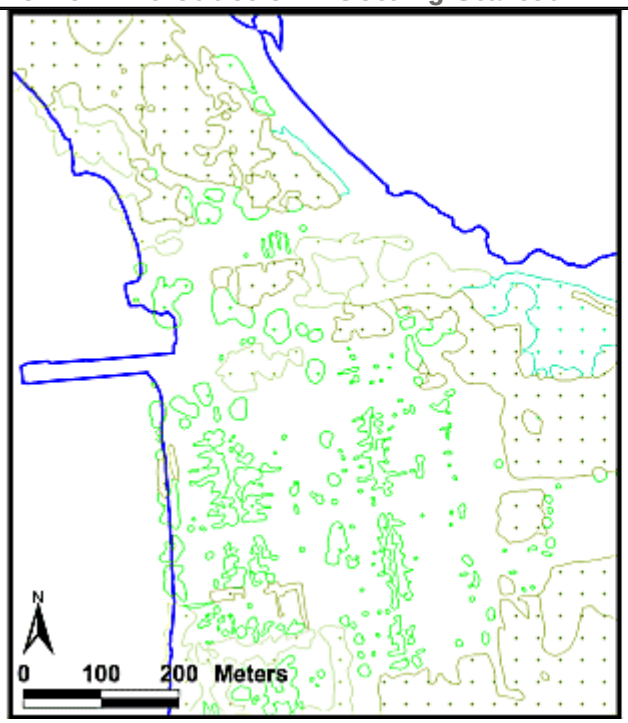


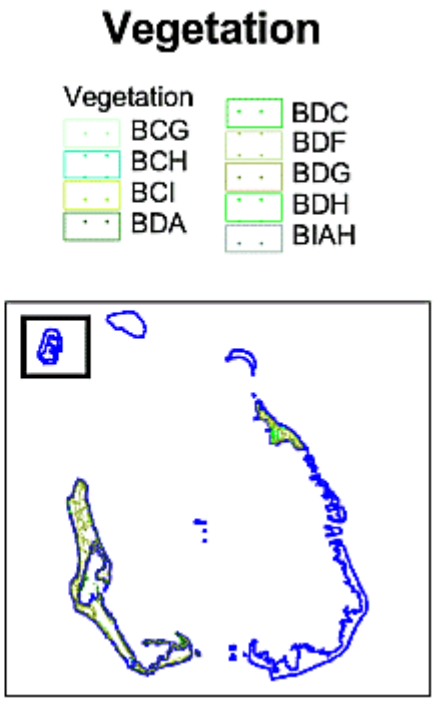


Dataset	
Title	Road Centerlines
Custodian	Geoscience Australia (GA)
Jurisdiction	Australia
Description	
Abstract	This dataset contains road centrelines for the Cocos (Keeling) Islands derived from topography. The coverage is the same as for the road edges in the source data (incomplete).
Search Word(s)	HUMAN ENVIRONMENT Urban Design TRANSPORTATION Land
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	not known
Ending Date	not known
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not known
Access	
Stored Data Format	DIGITAL - ESRI Shapefile, ArcInfo Coverage
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below

Data Quality	
Lineage	The road centerlines have been generated from the topography theme using the ArcInfo 8.0.2 command CENTERLINE. Road intersections and other errors were manually edited/corrected in ArcEdit. The final version was opened, checked and attributed in ArcView 3.2 and saved as an ESRI shapefile. Roads were only extended to form obvious intersections and no missing road sections were added (for consistency and due to the age of the orthophotography). In December 2003 GA projeced the data to UTM (WGS84) zone 47S using ArcView.
Positional Accuracy	The road centrelines have a positional accuracy comparable to that of the road edges in the topography.
Attribute Accuracy	Attribute descriptions appear to match the feature types as visible on the orthophotography (1987).
Logical Consistency	This theme is a derivative of the infrastructure theme and thus all attributes are associated with this.
Completeness	Incomplete. The original feature data.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Assistant Director Policy, Non self governing Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	13-1-2004
Additional Metadata	
Projection	UTM (WGS84) zone 47S - originally supplied as assumed Universal Transverse Mercator (UTM) Zone 47S (WGS72) projection.

Cocos (Keeling) Islands GIS
Vegetation



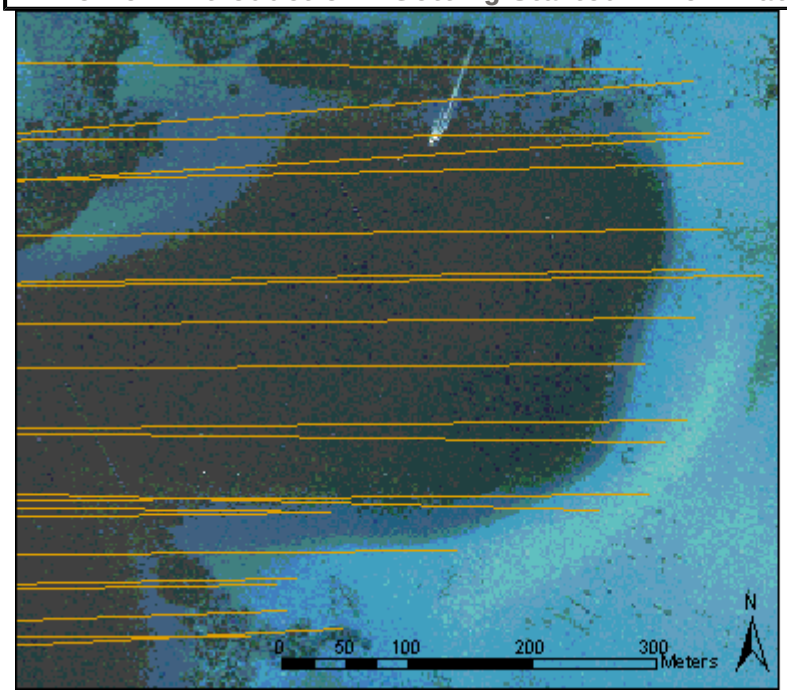


Dataset	
Title	Vegetation
Custodian	Australian Geological Survey Organisation (AGSO)
Jurisdiction	Australia
Description	
Abstract	This dataset is a polygon theme of vegetation types or structures of the Cocos (Keeling) Islands. It is derived from topography data (possibly 1:1000 scale) created by AUSLIG. The attributes are probably meaningless. Re-coding according to actual vegetation types is recommended if this layer is to be used for analysis. The vegetation appears to match the 1987 orthophotography, and would therefore be out of date in some areas (the 1992 planning data documentation reveals that areas have been cleared since the 1987 air photos). Coverage is over West and Home Islands.
Search Word(s)	ECOLOGY Ecosystem HERITAGE Natural
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	

Beginning Date	not known
Ending Date	not known
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not known
Access	
Stored Data Format	DIGITAL - ESRI Shapefile, ArcInfo Coverage
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below
Data Quality	
Lineage	The vegetation theme was derived by GA from the topography data supplied by AUSLIG Canberra (via Landinfo). There are a number of features in the original topography data that do not have valid AUSLIG codes. Comparison with the orthophotography indicates that all these codes represent vegetation. GA has extracted these codes and created a polygon layer (in ArcInfo 8.1 Workstation) by including common lines as well as those coded as a particular type. The resulting layer is coded according to the erroneous codes in the original data. Because the level of detail is different from the vegetation layers in the planning data, correlation was not conclusive. Re-coding according to actual vegetation types is recommended if this layer is to be used for analysis. In December 2003, the vegetation data was projected to UTM(WGS84) Zone 47S for addition to the 2003 Cocos Islands GIS.
Positional Accuracy	The positional accuracy of this dataset is the same as the topography dataset that it was extracted from (its nominal scale is probably 1:1000). The vegetation appears to match the 1987 orthophotography, and would therefore be out of date in some areas (the 1992 planning data documentation reveals that areas have been cleared since the 1987 air photos)
Attribute Accuracy	Attributes are probably meaningless, as original codes were not according to the AUSLIG

	standards and no decoding sheet was available. Correlation with other vegetation coverages was not possible due to scale differences. Recoding according to actual vegetation types is recommended if this layer is to be used for analysis.
Logical Consistency	All themes are concerned with the vegetation on Cocos Islands.
Completeness	Appears complete for specified scale and extent.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	19-01-2004
Additional Metadata	
Projection	UTM (WGS84) Zone 47S.

Cocos (Keeling) Islands GIS
Sidescan Sonar Paths



Sidescan Sonar

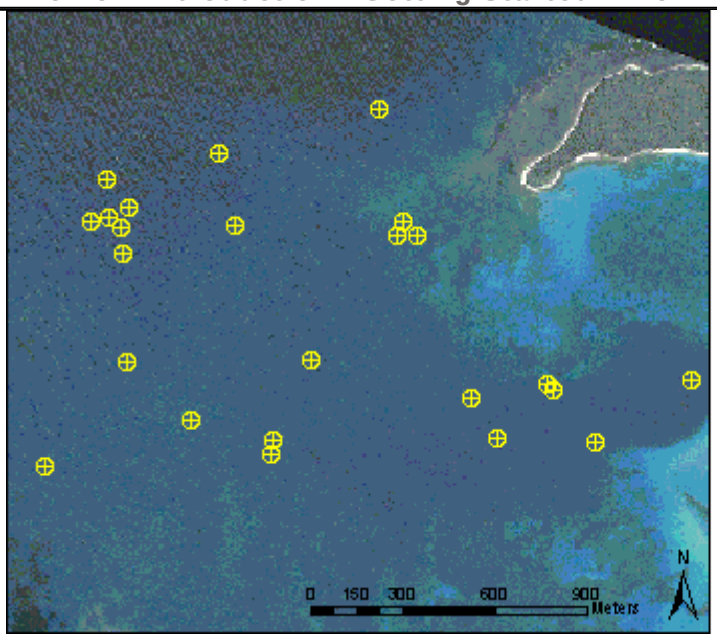
Sonar Paths

Dataset	
Title	Sidescan Sonar Paths
Custodian	Geoscience Australia
Jurisdiction	Australia
Description	
Abstract	This dataset shows paths taken by a vessel holding Sidescan Sonar intruments within the waters of the Cocos (Keeling) Islands used by cargo ships.
Search Word(s)	SONAR Marine
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	20NOV2002
Ending Date	17MAR2003
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not planned
Access	
Stored Data Format	DIGITAL - ESRI Shapefile
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below.
Data Quality	

Lineage	This data was originally provided as sonar video footage on CD-rom, veiwable with accompanying software (Imagenex Model 881 Sportscan Digital Sidescan Sonar V1.20). Using the latitude and longitude displayed at the beginning and end of the paths, the shapefile was made to represent the paths of the Sidescan Sonar. The shapefile represents the paths assuming travel was in a straight line from beginning to end. It is possible that the vessel wavered from this path. The data was projected to UTM (WGS84) zone 47S using ArcView.
Positional Accuracy	GA recieved little information regarding the positional accuracy of the sonar footage. Latitude and Longitude were both given to a hundredth of a minute.
Attribute Accuracy	The table attributes describe the path number.
Logical Consistency	The themes are used to describe the Sidescan Sonar paths.
Completeness	Is complete for the Sidescan Sonar footage which was provided by PANCKI.
Contact Information	
Contact Organisation	Geoscience Australia (GA)
Contact Position	
Mail Address	Cnr Jerrabomberra Ave and Hindmarsh Drive
Locality	SYMONSTON
State	A.C.T
Country	Australia
Postcode	2609
Telephone	(02) 6249 9479
Facsimile	(02) 6249 9983
Electronic Mail Address	keith.porrittzzz@zzzga.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	12-12-2005
Additional Metadata	
Projection	UTM (WGS84) zone 47S.

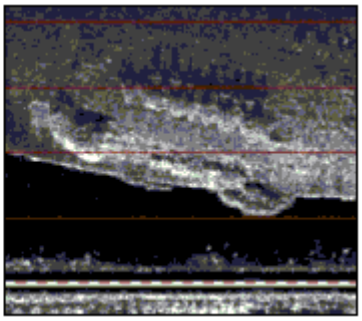
Cocos (Keeling) Islands GIS

Sidescan Sonar Interesting Features



Sidescan Sonar

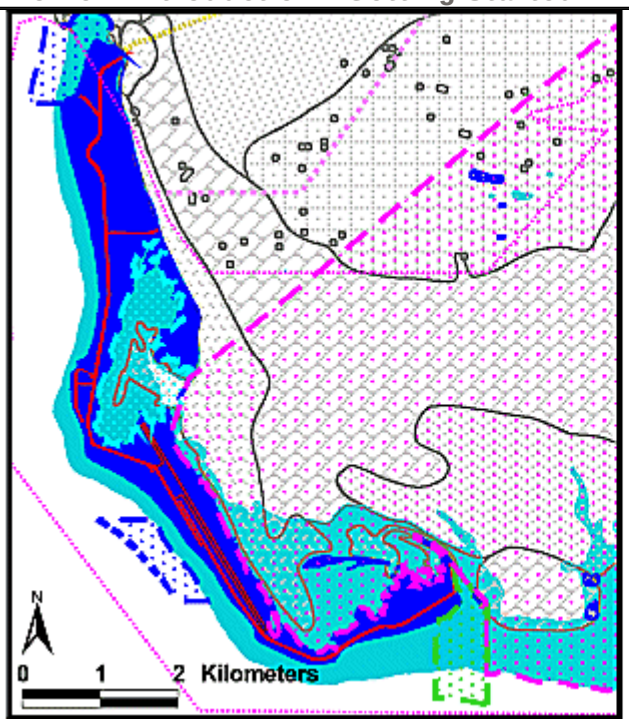
Interesting Features

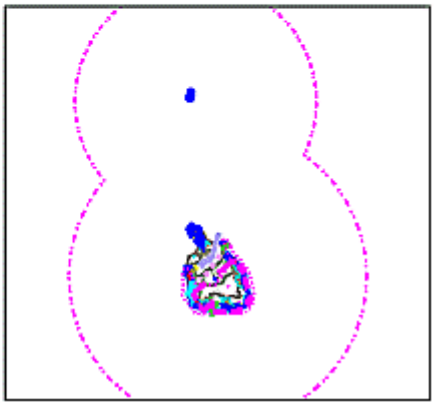


Dataset	
Title	Sidescan Sonar Interesting Features
Custodian	Geoscience Australia
Jurisdiction	Australia
Description	
Abstract	This dataset shows features of particular interest within the Sidescan Sonar video footage. The features have not yet been defined as being natural or unnatural.
Search Word(s)	SONAR Marine SONAR Features
Geographic Extent Name(s)	Cocos (Keeling) Islands
Data Currency	
Beginning Date	20NOV2002
Ending Date	17MAR2003
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not planned
Access	
Stored Data Format	DIGITAL - ESRI Shapefile
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below.
Data Quality	

Lineage	This data was originally provided as sonar video footage on CD-rom, veiwable with accompanying software (Imagenex Model 881 Sportscan Digital Sidescan Sonar V1.20). Using the latitude and longitude displayed at the beginning and end of the paths, the shapefile was made to represent the paths of the Sidescan Sonar. The shapefile represents the paths assuming travel was in a straight line from beginning to end. It is possible that the vessel wavered from this path. The data was projected to UTM (WGS84) zone 47S using ArcView.
Positional Accuracy	GA recieved little information regarding the positional accuracy of the sonar footage. Latitude and Longitude were both given to a hundredth of a minute.
Attribute Accuracy	The table attributes describe the path number from which the features where seen.
Logical Consistency	The themes are used to describe interesting features in the Sidescan Sonar footage.
Completeness	Is complete for the Sidescan Sonar footage which was provided by PANCKI.
Contact Information	
Contact Organisation	Geoscience Australia (GA)
Contact Position	
Mail Address	Cnr Jerrabomberra Ave and Hindmarsh Drive
Locality	SYMONSTON
State	A.C.T
Country	Australia
Postcode	2609
Telephone	(02) 6249 9479
Facsimile	(02) 6249 9983
Electronic Mail Address	keith.porrittzzz@zzzga.gov.au (Anti-spam method - remove the two 'zzz' to use this email)
Metadata Date	12-12-2005
Additional Metadata	
Projection	UTM (WGS84) zone 47S.

Cocos (Keeling) Islands GIS
Marine Environment





Dataset	
Title	Marine Environment
Custodian	Environmental Resources Information Network (ERIN)
Jurisdiction	Australia
Description	
Abstract	This dataset contains point, line and polygon data of the marine environment surrounding the Cocos (Keeling) Islands. It includes coastlines, bathymetric contours, coral outcrops and other features. Coverage extends to the whole of Cocos Keeling Isalnds. The themes have been grouped so as to increase the ease of use of the data. The individual themes have been grouped into the following shapefiles: • Infralin.shp - Infrastructure lines • Boundlin.shp - Boundary lines • Marinelin.shp - Marine lines • Surveylin.shp - Survey lines • Islandlin.shp - Island outlines • Marineply.shp - Marine polygon • Islandply.shp - Island polygon • Boundply.shp - Boundary polygon These shapefiles retain all spatial and non spatial data as supplied to GA.

	To view the sample of the marine environment with the legend click here. In December 2003 GA projected the data to UTM (WGS84) zone 47 using Arcview.
Search Word(s)	ECOLOGY Habitat HERITAGE Natural MARINE Coasts MARINE Reefs
Geographic Extent Name(s)	Cocos (Keeling) Islands and surrounding marine environment
Data Currency	
Beginning Date	not known
Ending Date	05OCT1998
Dataset Status	
Progress	Complete
Maintenance and Update Frequency	not known
Access	
Stored Data Format	DIGITAL - ESRI Shapefile, ArcInfo Coverage
Available Format Type	DIGITAL - ESRI Shapefile
Access Constraint	See contact details below
Data Quality	
Lineage	Not known prior to AGSO's receipt of the data (no metadata is available). Data was received as ArcInfo Export files. AGSO converted the data to Shapefile format. AGSO projected the data to CKIG92 with a coordinate shift to match the Cadastre (assuming it was received as UTM Zone 47 WGS72). The multitude of individual shapefiles were checked and those of similar themes were then grouped to provide a smaller set of shapefiles, thus making them more usable. The North Keeling atoll was translated and warped to more accurately match the orthophotography. The amount of translation and compression required can be found in the Cocos GIS documentation. Line themes were built into polygons to allow areas to be queried. In December 2003 GA projected the data to UTM (WGS84) zone 47

Positional Accuracy	Comparison with other datasets indicates that the positional accuracy of this dataset is variable. For West Island features match other datasets accurately. For other islands features may be displaced by up to 30 metres from matching features in other datasets. The North Keeling atoll was displaced about 130m to the east prior to the adjustment. After the adjustment the displacement (compared to the orthophotography) was less then 2m.
Attribute Accuracy	Attribute descriptions visually appear to match the associated spatial features. Accuracy details of the attributes are not known.
Logical Consistency	Values assigned to spatial features appear to match the description. All themes are concerned with the marine environment and have been placed into subgroups (as described in the Abstract) to more accurately describe specific aspects of the marine environment.
Completeness	Appears complete.
Contact Information	
Contact Organisation	Attorney-General's Department
Contact Position	Territories
Mail Address	GPO Box 594, Canberra, A.C.T 2601
Locality	111 Alinga St, Canberra
State	A.C.T
Country	Australia
Postcode	2601
Telephone	(02) 6274 6124
Facsimile	(02) 6274 8040
Electronic Mail Address	sean.hambrookzzz@zzzag.gov.au (Anti spam method - remove the two 'zzz' to use this email)
Metadata Date	13-1-2004
Additional Metadata	
Projection	UTM (WGS84) zone 47S.

Chapter

5

Appendix 2: DVD HTML documentation

Hard copy print of the HTML pages comprising the autorun content for the DVD.

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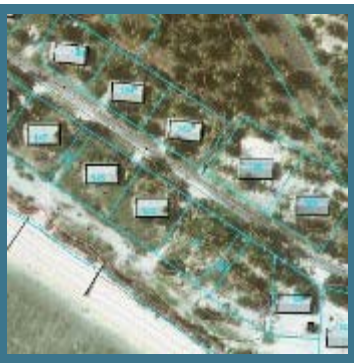

This disk contains the Cocos Keeling Islands GIS and associated documentation.

To use the GIS, you will need to install Quantum GIS (freeware) from Getting started. Detailed instructions are given on how to do this.

You should also view this in Internet Explorer over other browsers such as Firefox and Chrome so that links open in Quantum GIS correctly.

To enter the DVD-ROM please click here or on the above imagery.

Australian Government

Department of Regional Australia, Regional Development and Local Government

Cocos Keeling Islands GIS

Home
Getting started
View spatial data
Metadata
Documents
CAD Plans
CocosGIS Online
3D Bathymetry

Welcome to the 2011 edition of the Cocos Keelings Islands GIS. The material on this CD-ROM is provided for general information only and should not be relied upon for any particular purpose. Please contact the Department of Regional Australia before taking any action based on material on this website. Maps and images on this CD-ROM are not intended for navigation or to precisely locate any particular feature.

The data were assembled by the Mineral Resources and Advice Group of Geoscience Australia (GA) on behalf of the Australian Commonwealth Department of Regional Australia. In compiling this product GA has translated and integrated data as received from a number of sources, including:

- the Australian Surveying and Land Information Group (AUSLIG - now the National Mapping Division of Geoscience Australia)
- the Western Australian Department of Land Administration (DOLA)
- the National Capital Planning Authority (NCPA)
- and the Commonwealth Environmental Resource Information Network (ERIN)

Consequently, no comprehensive checks were made as to the accuracy or completeness of these externally supplied datasets. Therefore the data should not be completely depended on when making decisions of a commercial nature.

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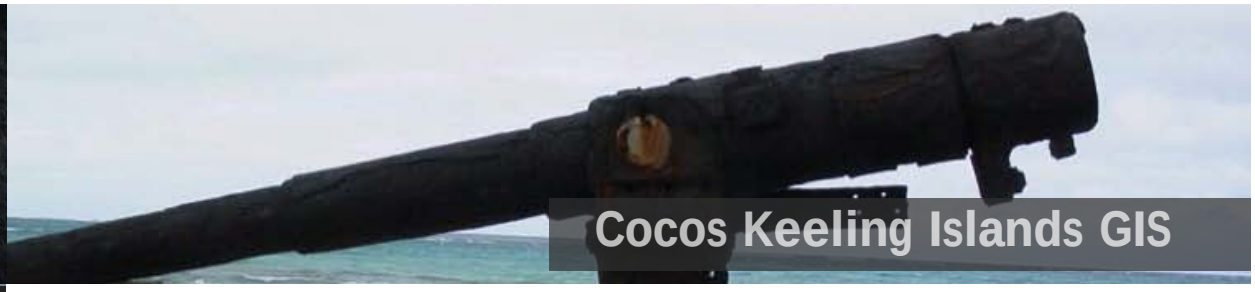


Getting started

For a more detailed guide, including troubleshooting, please see the Getting Started Guide (pdf).

In order to have the Cocos Keeling Islands GIS fully functional, you will need to run a Microsoft Windows Operating System (Windows 95 or greater, but not Windows 7 64bit) and install the following:

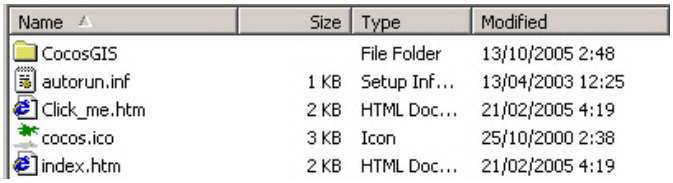
- Quantum GIS 1.5
- Earth Resource Mapping ER Viewer v2.0c or greater

If you do not have a PDF reader (such as Adobe Reader) and either Internet Explorer or Mozilla Firefox already installed on your computer, you can find installation files below. Note that CocosGIS will not work correctly in some browsers. Also note that installing Internet Explorer 8 requires administrator privileges on your computer.

Running CocosGIS locally

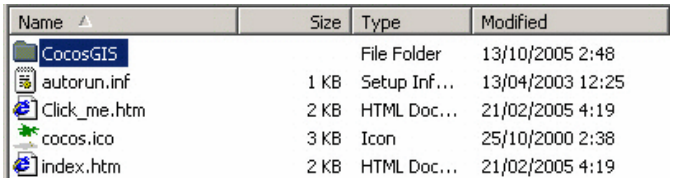
You can run the CocosGIS straight from the USB or DVD it was supplied on. However, it is advisable to copy the data onto your hard drive for faster load times. This guide assumes the completion of this step.

To copy the data simply navigate to the CocosGIS folder in the Windows Explorer window. You will now see the following directory structure.



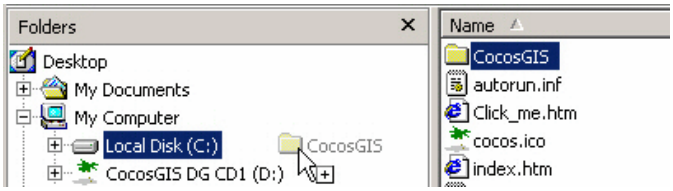
Name	Size	Type	Modified
CocosGIS		File Folder	13/10/2005 2:48
autorun.inf	1 KB	Setup Inf...	13/04/2003 12:25
Click_me.htm	2 KB	HTML Doc...	21/02/2005 4:19
cocos.ico	3 KB	Icon	25/10/2000 2:38
index.htm	2 KB	HTML Doc...	21/02/2005 4:19

Select "CocosGIS" by clicking on the folder once. As you can see below the colour of the folder turns blue.



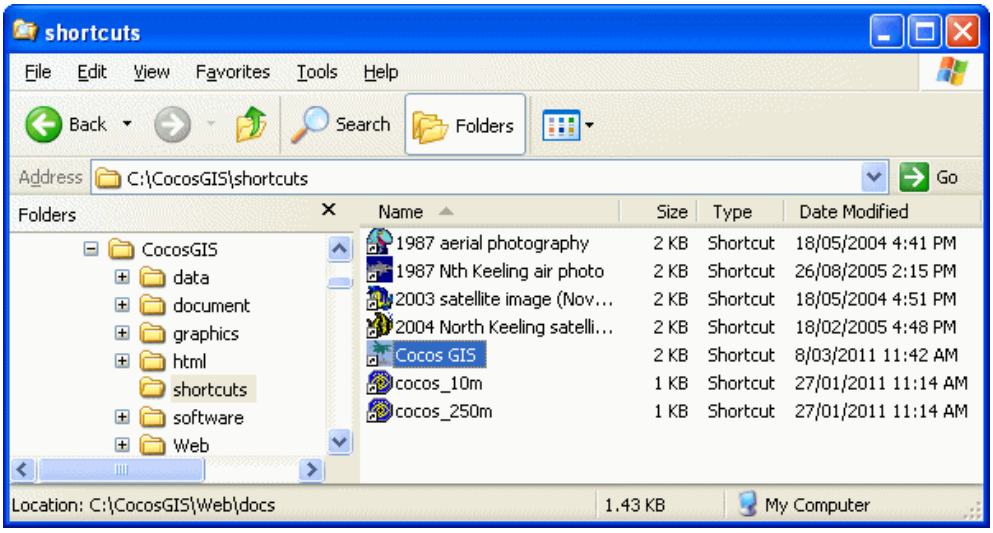
Name	Size	Type	Modified
CocosGIS		File Folder	13/10/2005 2:48
autorun.inf	1 KB	Setup Inf...	13/04/2003 12:25
Click_me.htm	2 KB	HTML Doc...	21/02/2005 4:19
cocos.ico	3 KB	Icon	25/10/2000 2:38
index.htm	2 KB	HTML Doc...	21/02/2005 4:19

With the cursor on the CocosGIS folder click and hold the left mouse button. Drag it to your hard drive (usually "C") and release the mouse button.



The CocosGIS folder will begin to copy to your hard drive. This process will take a while.

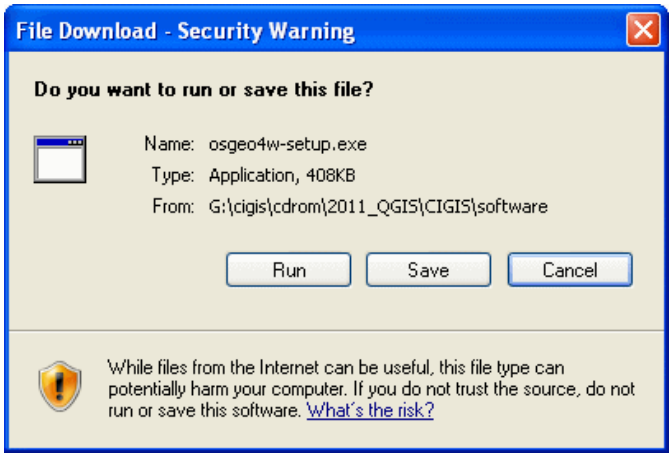
Once complete, navigate to the folder C:\CocosGIS\shortcuts and copy the file Cocos GIS to your desktop.



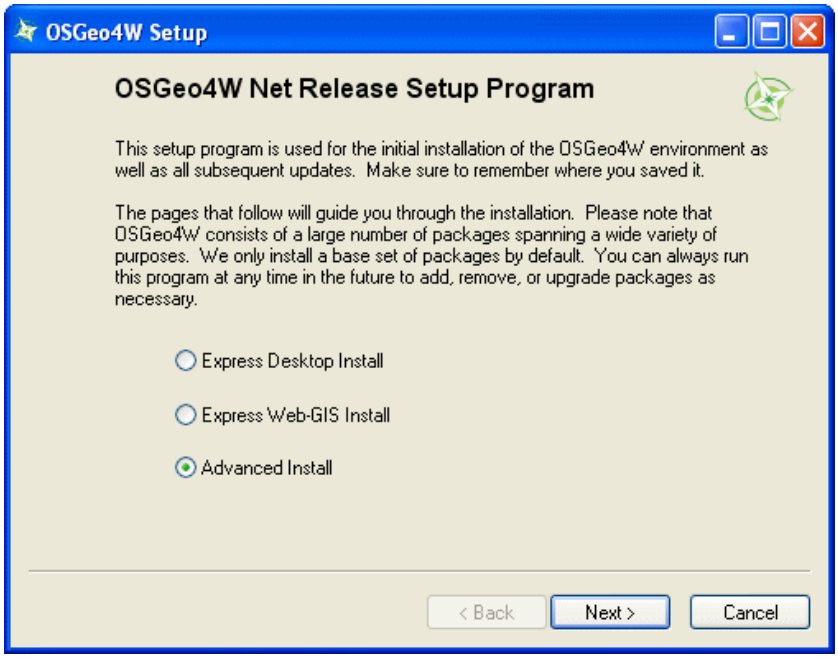
To ensure the links in this guide point to your C drive rather than the USB or DVD, please close this browser window and double click the Cocos GIS icon on your desktop. Navigate back to this point of the Getting started page and continue the guide below.

Installing Quantum GIS

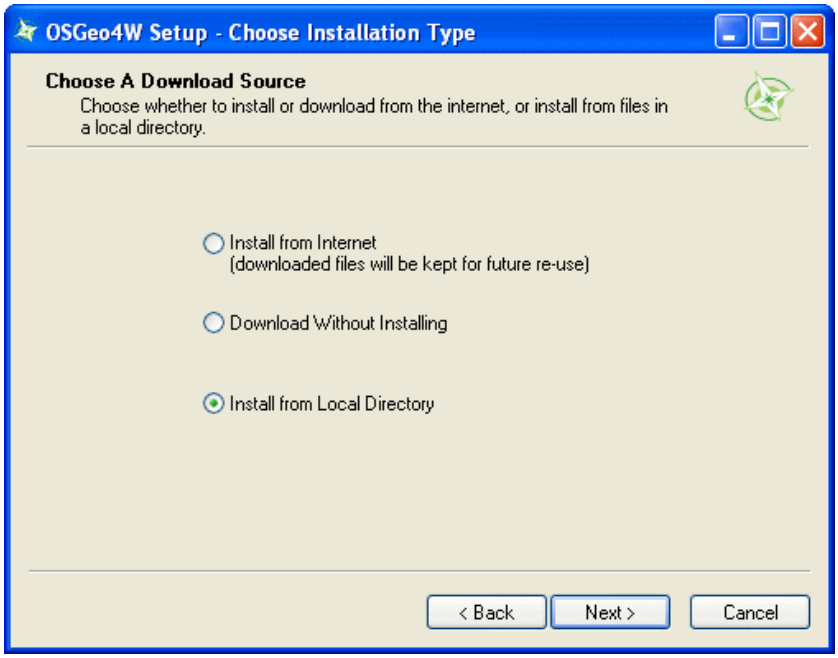
1. Click this link to begin the installer.
2. Internet Explorer may issue a number of warnings like the ones below. Click "Run" for both.



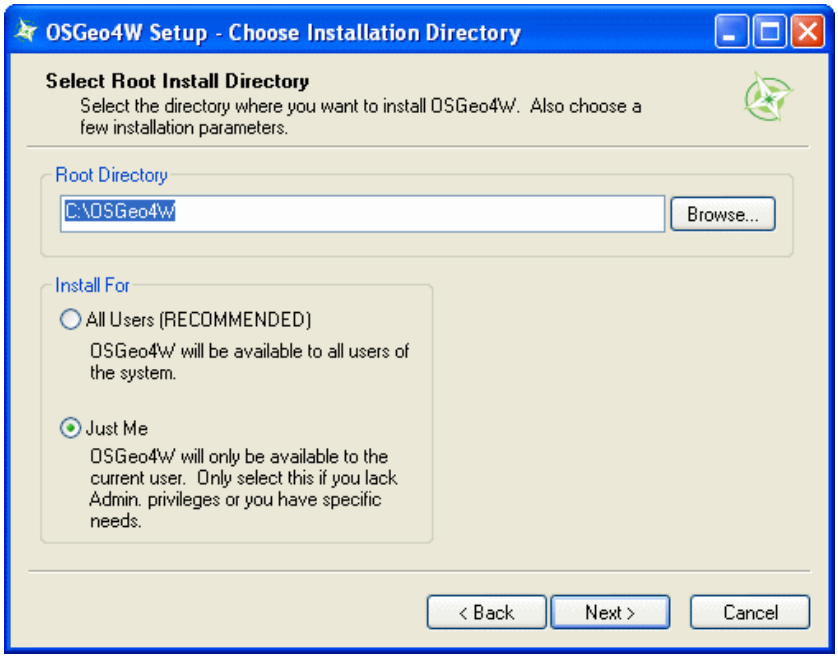
3. Do not Express Install. Instead choose Advanced Install and click Next.



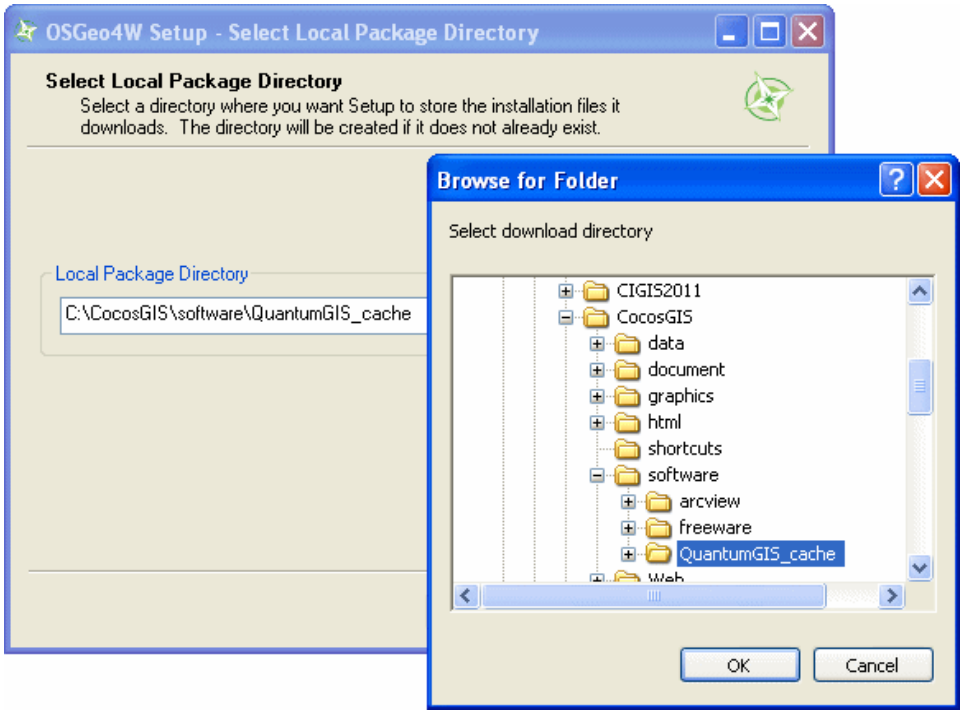
4. Choose "Install from Local Directory", then click Next.



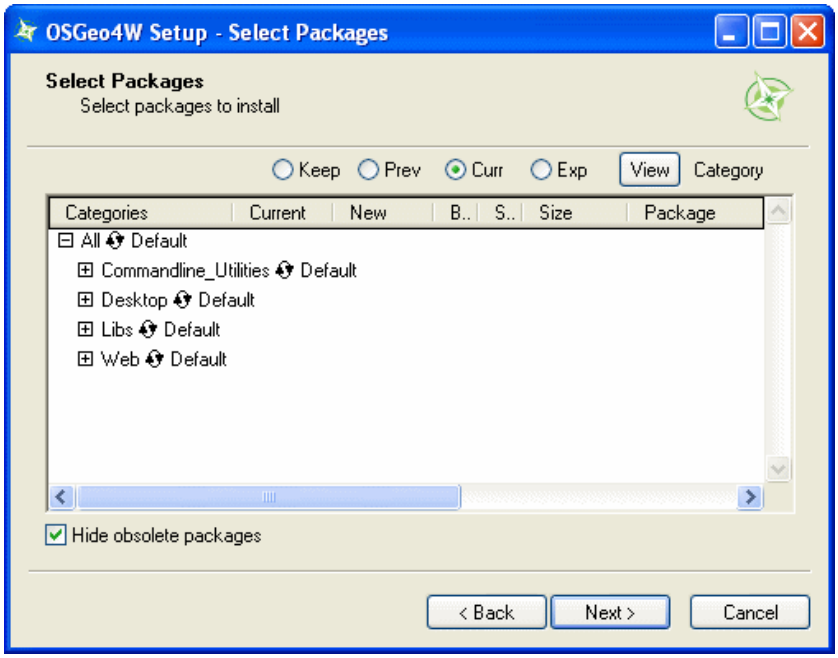
5. The following window should already be filled out by default. Ensure it looks like the figure below, then click Next.



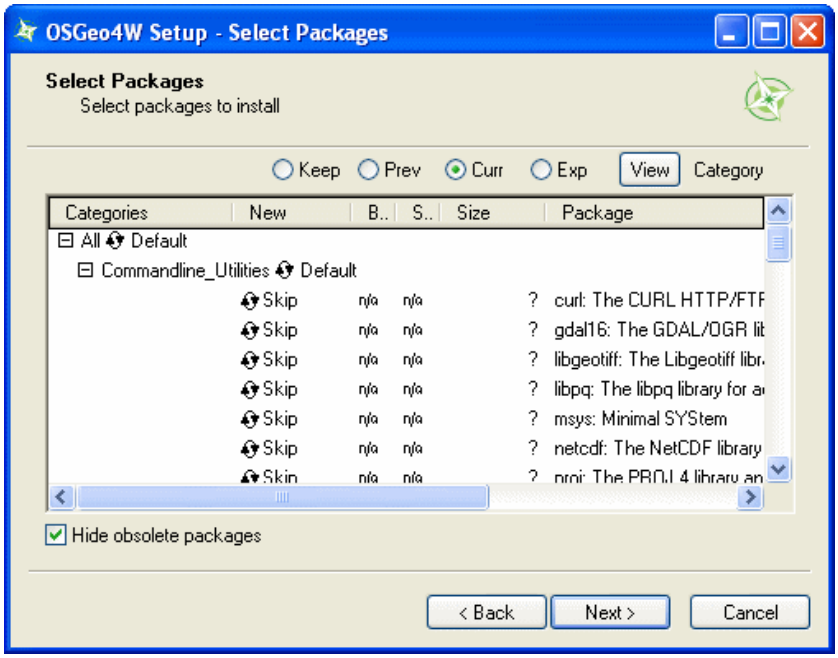
6. The "Local Package" has been downloaded for you and supplied on disk. Click Browse, and find the disk drive's folder 'CocosGIS\software\QuantumGIS_cache'. Click it so it is blue as shown below, click OK then click Next.



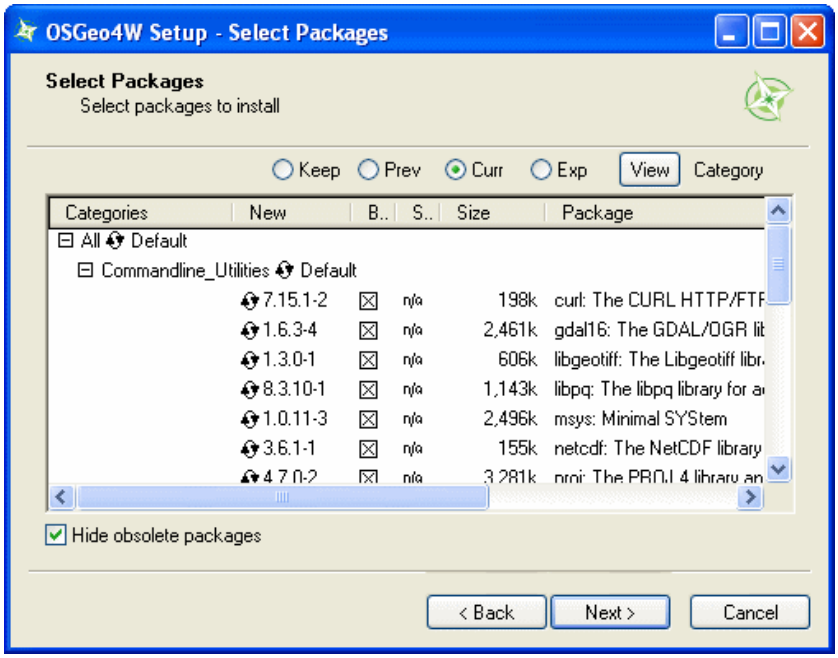
7. Click each of the + buttons to expand the list of categories.



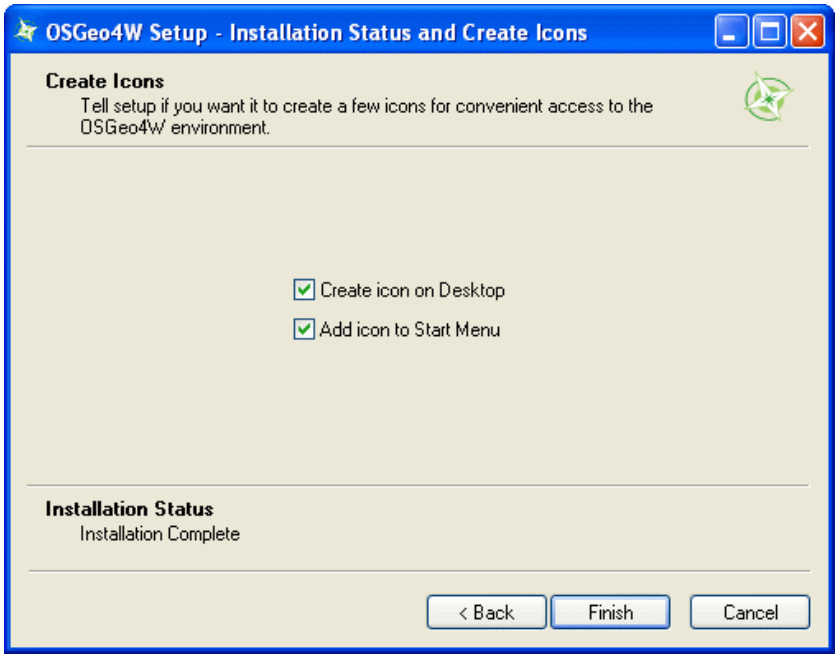
8. Clicking 'Skip' will change it to the current version of the package. Do this for every entry.



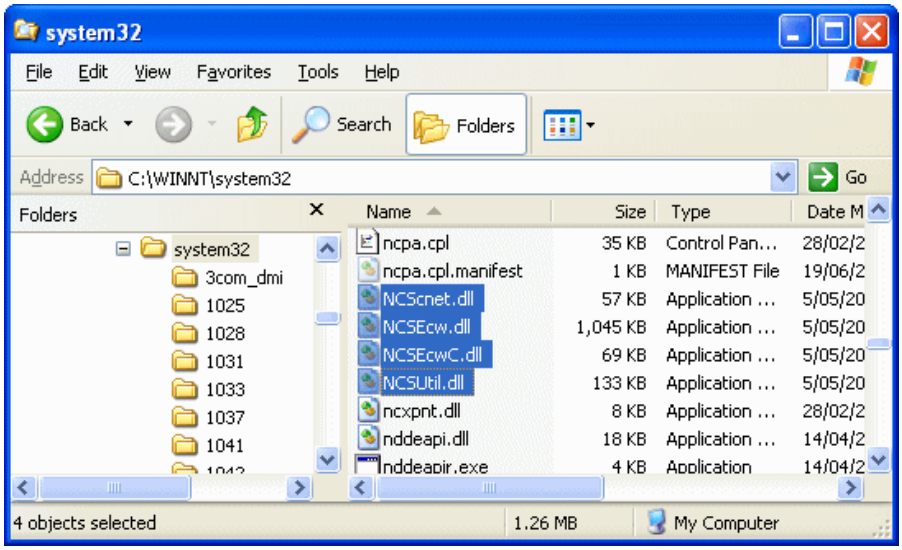
9. Scroll up and down the list to check every 'Skip' has been toggled, and then click Next to begin installation.



10. If a Resolve Dependencies window appears, click Next. When installation is complete, choose where you would like icons located, and then click Finish.



11. Now that QuantumGIS is installed, it requires some helper files to draw image layers. Find and open your system32 directory - this is usually either C:\WINDOWS\system32\ or C:\WINNT\system32. Open this zip file. Inside are four .dll files. Copy them into the system32 folder, the result should look like the image below.



The installation of the Cocos GIS is now complete. For further information, including troubleshooting, please refer to the Getting Started Guide (pdf).

Installation of other tools

Click any of the logos below to install the respective software.

erdas The Earth to Business Company

ER Viewer allows viewing of all the orthophography alone as single ECW format images.

Foxit A True and Complete PDF Solution.

PDF reader allows you to open PDF documents for viewing.

Internet Explorer 8 mozilla Firefox

Either Internet Explorer or Mozilla Firefox is required to use this system.

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View Data - Quantum GIS Projects

The links below start QuantumGIS projects (providing QuantumGIS is installed and you are viewing this in Internet Explorer - if not, please see Getting started). The ability to zoom, pan, identify etc is available in all projects. These projects have been created with themes loaded and the view zoomed to an appropriate area. Projects that use satellite imagery will take noticeably longer to load on slower computers.

Property Information	Description of Project
Home Island Cadastre (lodged)	This view is located just inland of the jetty and has the satellite image, infrastructure and cadastre layers turned on.
West Island Cadastre	This view shows West Island infrastructure cadastre and topgraphic contours near the middle of the airport.
Cocos Island Cadastre - Prior Years	This project shows the cadastre (both cadastre and lodged) for Cocos Islands from previous years.

Utilities	Description of Project
All Utilities Data	This view has the current utilities data. Excellent water resources data such as galleries and pumps is available. The project is set up to facilitate cadstre identification through map tips.
Gas and Fuel Infrastructure	This view is zoomed in over West Island and shows the gas and fuel infrastructure present on the Island. Cadastre and satellite image layers have also been included.
Power Infrastructure	This view is zoomed in over Home Island and shows the power infrastructure present on the Island. This includes electrical cables, substations, meters, lightpoles, and switchboxes. Cadastre and satellite image layers have also been included.
Telecommunications Infrastructure	This view is zoomed in over Home Island and shows the telecommunications infrastructure present on the Island. Cadastre and satellite image layers have also been included.
Waste Water Infrastructure	This view is zoomed in over Home Island and shows the waste water infrastructure present on the Island. Cadastre and satellite image layers have also been included.
Water Supply Infrastructure	This view is zoomed in over Home Island and shows the water supply infrastructure present on the Island. Cadastre and satellite image layers have also been included.

Planning	Description of Project
All Planning Themes	This project is the master project for all the other projects that include planning. All themes are contained but are turned off to reduce ArcExplorer loading time.
Marine Plan	This view is of the Cocos Southern atoll and shows the distribution of coral habitat.

Home Island Land Use and Planning	This view is over Home Island and uses the planing data as the themes in the view. The themes used in the project show the marine environment and the current land use of Home Island.
West Island Planning	This is a basic project that has been made over the West Island and includes the land use theme.
West Island Land Use and Planning	This view has much the same content as Home Island Land Use and Planning but is located over West Island.
Cocos Southern Islands Plan	This view is of the southern atoll and describes the planned environment of the southern islands.
Cocos Southern Islands Marine Plan	This view is over the southern atoll and describes the current marine environment usage and plan. Vegetation is included and the roads theme has been added for orientation.
Cocos Southern Islands Land Use Plan	This project is of the southern atoll and includes themes directly related to land use planning. They include: land zones, prefered land use, land use options, and current land use.
North Keeling Island Plan	This view has been created for the North Keeling atoll. Satellite Images can be added to the view once saved on hard drive (North Keeling photos available on CD#1).

Other	Description of Project
Water Resources and Heritage	This view is zoomed in over Home Island. The themes present in the view are taken from the Ecowise Water Resources directory and also from the National Estate Heritage directory.
Tile Plan with Spot Imagery	This view is zoomed in over the southern islands. The themes present are infrastructure, cadastre, tile plan, heritage items from National Estate, and the spot image. The tile plan theme has been included so that higher resolution photos can be added to the view.
Land Tenure	This is an early version of how tenure might look based on the Ground audit field "Mgr_name".
All Themes	This project has all the themes used in the above projects (except for the planning projects). Note - because all the GIS layers are turned on, it will be slow to load.

If you wish to view the old ArcExplorer files click here.

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Metadata List

Important: In attempting to supply metadata according to the ANZLIC Core Metadata Elements, many elements are filled according to GA's understanding. Metadata was not available for a large number of datasets, or was informal and incomplete.

Imagery

- Satellite Imagery
- Orthophotography
- Spot Imagery

Vector Data

- Utilities
- Cadastre
- Topography/Culture
- Detailed Survey
- Planning
- Flight Lines and Photograph Centers
- Road Centerlines
- Vegetation
- GPS road and Track Data
- Sidescan Sonar Paths
- Sidescan Sonar Points

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Documents

The documents listed below are intended to provide supplementary information regarding the Cocos (Keeling) Islands GIS. Most of the documents are in PDF format and require a PDF Reader to view them.
(click here to install if needed)

Licenses

Satellite Image License
The license agreement for usage of the Cocos (Keeling) Islands satellite images included on this CD. If you are unsure whether you are a registered user please consult here.

Registered Users
The list of registered users for the Cocos (Keeling) Islands satellite images included on this CD.

User Guides and Documentation

Cocos Islands GIS 2011 System Documentation
Report and product documentation for the Cocos (Keeling) Islands Geographic Information System (CocosGIS). This is a Portable Document Format (PDF) version, updated 2011.

Quantum GIS (QGIS) Manual
The Cocos GIS includes a basic manual for the Quantum GIS program for those users who are less familiar with the GIS system.

Quantum GIS (QGIS), A Gentle Introduction to GIS.
This guide explains the basics of GIS in an easy to understand manner.

User Guide - Getting Started

User Guide - Basic QGIS Functions

User Guide - Printing images from QGIS

User Guide - QGIS Print Composer

User Guide - Searching Data in QGIS

User Guide - Using Bathymetry Grids for Cocos Islands

User Guide - Downloading GPS Data to Shapefile

ANZLIC Metadata Guidelines (Version 1)
This is the metadata standard used in construction of the Cocos GIS metadata sheets. Metadata created after the release of ANZLIC Metadata Guidelines: Core metadata elements for geographic data in Australia Version 2, February 2001 (ANZLIC web pages - link to offline (PDF) copy here) will comply with the newer standard. Older metadata will be gradually updated.

Planning Documents

Interpretation Plan for the Shire of Cocos (Keeling) Islands

A guide to telling the stories of the people and places of the Cocos Islands, for the benefit of visitors and for future generations of the community, using the Copra Industrial Precinct as the hub. The purpose of the Interpretation Plan is to identify the key Cocos stories and to recommend ways of weaving these together into a coherent whole, so that the stories are held for future generations of Cocos Malay people and made available to visitors.

Cocos crown land management plan

Plans for Crown land on the cocos islands with regard to conservation, economic, cultural and social values and the Shire's strategic direction philosophy, Vision 2010. Includes recommendations for future use, development priorities in the short, medium and long term.

Seawall Upgrade Design Concept

This report is provided by GHD Pty Ltd. identifying the limitations of the current seawall on the western shoreline, including investigations into and upgrade of the seawall and design concept for this work.

Studies and Reports

CSIRO report - Conservation values in Commonwealth waters of the Christmas and Cocos Island

This document was produced by CSIRO Marine and Atmospheric Research (CMAR) in collaboration with Geoscience Australia to describe conservation values of the marine environment under Commonwealth jurisdiction surrounding the Christmas Island and Cocos Islands.

Climate Change Risk assessment for the Australian Indian Ocean Territories

Key vulnerabilities, climate change observations, projections and potential impacts for Cocos (Keeling) Islands and Christmas Island through a comprehensive risk assessment. Produced by Maunsell Australia in association with CSIRO and CZM Pty Ltd.

Cocos (Keeling) Islands Storm Surge Study

This report was produced by GHD Pty Ltd. to investigate storm surge levels and describes a technical study to update existing probabilistic estimates of extreme water levels.

Port Refuge Unidentified Wreck inspection report

Technical data, maps, descriptions, points and photos relevant to the Port Refuge wreck. From the department of Maritime Archaeology at WA Museum.

Phaeton (1889) Wreck inspection report

Technical data, maps, descriptions, points and photos relevant to the Phaeton shipwreck. From the department of Maritime Archaeology at WA Museum.

Direction Island Unidentified inspection report

Technical data, maps, descriptions, points and photos relevant to the Direction Island unidentified wreck. From the department of Maritime Archaeology at WA Museum.

Gerhard Cannon Site inspection report

Technical data, maps, descriptions, points and photos relevant to the Gerhard Cannon site. From the department of Maritime Archaeology at WA Museum.

Ocean House Anchor inspection report

Maps, descriptions, points and photos relevant to the Ocean House Anchor site. From the department of Maritime Archaeology at WA Museum.

Utilities Data Cocos (Keeling) Islands

This document was produced by GHD Pty Ltd. and includes metadata for the utilities data.

Water Resources Component, Cocos (Keeling) Islands GIS

This document was produced by ECOWISE Environmental Ltd for Cocos Island Administration, Attorney-General's Department & the Australian Geological Survey Organisation. It includes metadata for the associated data.

Environmental reports supplied by Parks Australia North CKI

- AQIS Survey June 2000
- Buff-Banded Rail Report
- Crazy Ant Report 2002
- Exotic Plants on Cocos 2002
- RFBB SURVEY
- Strategy
- Turtle Database 2003
- Turtle Survey Report 2000
- Turtle Survey Report 2002
- Turtle Survey Report 2003

Other Documents

Cocos (Keeling) Islands Lagoon Shipping Passage Realignment

This document was produced by GHD Pty Ltd. and outlines the process to realign the shipping pasage through the lagoon focusing on environmental impact issues.

Side Scan Sonar Paths & Interesting Features

The purpose of this survey was to confirm the revised shipping channel prior to opening in 2003 - i.e. no obstructions and markers placed appropriately. GA built shape files to show the paths taken by the sidescan sonar vessel and GA recorded a number of features that may not be natural that were subsequently inspected by Parks - however no new wreckage was located through this process.

DigitalGlobe Satellite Imagery Documentation

This document was produced by DigitalGlobe and contains information about the pan-sharpened satellite imagery obtained from the QuickBird satellite.

Cocos GPS Station

This document shows the Cocos GPS station identification, co-ordinates, equipment and information.

1992 NCPA Planning Data Documentation

This document was produced by the NCPA following the completetion of a draft plan for the Cocos (Keeling) Islands concluding in 1992. The report describes the covers produced by the Arc/Info database that was created.

West Island, Cocos (Keeling) Islands School visit 15th April 2003
Home Island, Cocos (Keeling) Islands School visit 16th April 2003

Click on each green bar above to see photos of Cocos GIS presentations at both Cocos (Keeling) Islands schools - West Island on 15th April and Home Island on 16th April 2003.

Cocos (Keeling) Islands GIS - Stage 1 Report

This report was produced by AGSO summarising the progress of the Cocos (Keeling) Islands GIS (Cocos GIS) on completetion of Stage 1.

Register of the National Estate

Online, searchable register of more than 12,000 places of natural, historic or indigeneous significance. Use the search to find details and photographs of sites in the national estate dataset.

The Attorney-General's Department Cocos (Keeling) Islands Photo Collection

This is a link to the The Attorney-General's Department Cocos photo library page (Link to an offline copy

here).

The Cocos Island Tourism Commission

This Cocos Island Tourism Commission page contains tourist information for the islands. Link to an offline copy here.

2011 Strategic Review of Geoscience Australia

Includes the terms under which GA undertakes projects for other Commonwealth Departments.

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Home
Getting started
View spatial data
Metadata
Documents
CAD Plans
Power
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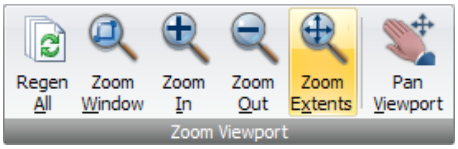
Underground Services
CocosGIS Online
3D Bathymetry

Utility CAD PDFs / DWGs

The original plans for services in place on Cocos Island can be viewed using the links below. These are stored both as CAD files and as a PDF conversion of each individual file. The PDFs cannot be guaranteed to be accurate so please use the CAD files as an absolute reference. Use the bulleted links (Power, Waste Water...) on the left navigation bar to go to the section you are interested in.

If you don't have a CAD viewer, one can be installed by clicking here.

Note: If you cannot see anything when you open a CAD file, try to *Zoom Extents*.



Power

Home Island existing underground services and survey data.
CAD: HomeIsl_CKIG92.dwg
PDF: HomeIsl_CKIG92.pdf

Home Island existing underground services and survey data (with power meters).
CAD: HomeIsl_powermeter_CKIG92.dwg
PDF: HomeIsl_powermeter_CKIG92.pdf

West Island general overview (in CKIG92 projection).
CAD: rwest_1_CKIG92.dwg
PDF: rwest_1_CKIG92.pdf

West Island general overview (only partial, in CKIG92 projection).
CAD: rwest_2_CKIG92.dwg
PDF: rwest_2_CKIG92.pdf

Home Island master plan for underground services (in CKIG92 projection).
CAD: underground_services_home_island_CKIG92.dwg
PDF: underground_services_home_island_CKIG92.pdf

West Island master plan for underground services (in CKIG92 projection).
CAD: underground_services_west_island_1_CKIG92.dwg
PDF: underground_services_west_island_1_CKIG92.pdf

West Island master plan for underground services (only partial, in CKIG92 projection).
CAD: underground_services_west_island_2_CKIG92.dwg
PDF: underground_services_west_island_2_CKIG92.pdf

West Island overview (in CKIG92 projection).
CAD: WORKS_westis_CKIG92.dwg

PDF: WORKS_westis_CKIG92.pdf

Cocos HV Reticulation upgrade stage 1
Cocos Islands Power Reticulation.
Filenames: 54e01.dwg, 54e02.dwg, 54e03.dwg
PDF:

- Single Line diagram - Part 1 - Existing and New
- Single Line diagram - Part 2 - Existing and New
- Single Line diagram - Part 3 - Existing and New

DWG:

- Single Line diagram - Part 1 - Existing and New
- Single Line diagram - Part 2 - Existing and New
- Single Line diagram - Part 3 - Existing and New

Cocos Islands Power Reticulation.
Filenames: 6915-54-e01.tif, 6915-54-e02.tif, 6915-54-e03.tif, 6915-54-e04.tif, 6915-54-e05.tif, 6915-54-e06.tif, 6915-54-e07.tif, 6915-54-e08.tif, 6915-54-e09.tif, 6915-54-e10.tif, 6915-54-e11.tif, 6915-54-e12.tif, 6915-54-e13.tif, 6915-54-e14.tif, 6915-54-e15.tif

- PDF

TIF:

- Single line diagram - Part 1 - Existing and New
- Single line diagram - Part 2 - Existing and New
- Single line diagram - Part 3 - Existing and New
- Jetty area - Substation 8
- Transmitters area - Substation 8
- Cocos Farm / Clam Farm - Substation 6
- "Q" Station Bore Field area - Substation 5
- "Q" Station North area
- "Q" Station area - Substation 3
- Receivers Site area - Substation 2
- Beacon Heights area - Substation 20
- Commercial area - Power Substation 1A & 1B
- Commercial / Residential area - Substation 11
- Residential area - Substation 12
- Residential area South

Cocos HV Reticulation upgrade stage 2
Cocos Islands Power Reticulation.
Filenames: 54E16.dwg, 54E17.dwg, 54E18.dwg, 54E19.dwg, 54E20.dwg
PDF:

- 54e16 - 54e20

DWG:

- Beacon Heights area - Substation 6 West
- Commercial area - Power Station Substation 1A & 1B
- Commercial / Residential area - Substation 7 South
- Residential area - Substation 8 South
- Residential area South

West Island Overview.
CAD: rwest.dwg
PDF: rwest.pdf

West Island Overview (Scaled).
CAD: rwest_scaled.dwg
PDF: rwest_scaled.pdf

Cocos HV Reticulation upgrade stage 3
Cocos Islands Vacuum Sewerage.
Filenames: C01.dwg, C02.dwg, C03.dwg, C04.dwg, C05.dwg, C06.dwg, C07.dwg, C08.dwg
PDF:

- C01 - C08

DWG:

- West Island - Pressure Main plan - sheet 1 of 3
- West Island - Pressure Main plan - sheet 2 of 3
- West Island - Pressure Main plan - sheet 3 of 3
- West Island - Pressure Main Longitudinal Section - sheet 1 of 2
- West Island - Pressure Main Longitudinal Section - sheet 2 of 2
- West Island - Pressure Main Miscellaneous details
- West Island - Ocean Outfall plan
- West Island - Ocean Outfall Longitudinal Section

Civil pipeline
CAD: civil.dwg
PDF: civil.pdf

Cocos West Island Overview.
CAD: cocos_west.dwg
PDF: cocos_west.pdf

Cocos Islands Power Reticulation.
Filenames: E01.dwg, E02.dwg, E03.dwg, E04.dwg, E05.dwg, E06.dwg, E07.dwg, E08.dwg, E09.dwg, E10.dwg, E11.dwg, E12.dwg, E13.dwg, E14.dwg, E15.dwg, E16.dwg
PDF:

- E01 - E16

DWG:

- Power Station and Local area
- Northern Feeder
- Southern Feeder
- Western Feeder
- Jetty area - Substation 8
- Transmitters area - Substation 7
- Rumah Baru area - Substations 5 & 6
- Commercial area & Beacon Heights
- Commercial / Residential area - Substations 11 & 12
- Residential area South
- Southern area - Substation 13
- Miscellaneous Details
- Transformer Vector diagrams

Cocos West Island main electrical line
CAD: elect2.dwg
PDF: elect2.pdf

Cocos West Island new electrical line
CAD: newline.dwg

PDF: newline.pdf

Cocos West Island Overview (Civil buildings).
CAD: west_civil.dwg
PDF: west_civil.pdf

Home Island Distribution Pillars
Installation of new LV pillars Home Island.
Filename: 24E01.dwg, 24E02.dwg, 24E03.dwg, 24E04.dwg
PDF:

- 24E01 - 24E04

DWG:

- North Community area
- Central Community area
- Miscellaneous Details
- Overall Single Line Schematic

Home Island Overview.
CAD: HomeIsl.dwg
PDF: HomeIsl.pdf

Home Island Overview (power meters).
CAD: HomeIsl_powermeter.dwg
PDF: HomeIsl_powermeter.pdf

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Waste Water

Sewer System
Home Island Water mains (in CKIG92 projection).
CAD: home_watermain_CKIG92.dwg
PDF: home_watermain_CKIG92.pdf

Home Island Overview (in CKIG92 projection).
CAD: HOMEBASE_CKIG92.dwg
PDF: HOMEBASE_CKIG92.pdf

Home Island Sewer lines (in CKIG92 projection).
CAD: HOMESEWER_CKIG92.dwg
PDF: HOMESEWER_CKIG92.pdf

Home Island Topographic Survey (in CKIG92 projection).
CAD: HOMESURVEY_CKIG92.dwg
PDF: HOMESURVEY_CKIG92.pdf

West Island Overview (in CKIG92 projection).
CAD: WESTBASE_CKIG92.dwg
PDF: WESTBASE_CKIG92.pdf

West Island Sewer lines (in CKIG92 projection).
CAD: WESTSEWER_CKIG92.dwg
PDF: WESTSEWER_CKIG92.pdf

West Island Topographic Survey (in CKIG92 projection).
CAD: WESTSURVEY_CKIG92.dwg
PDF: WESTSURVEY_CKIG92.pdf

Vacuum Sewerage System
Home Island Vacuum Pumping Station site plan.
CAD: 48C60 as cons.dwg
PDF: 48C60 as cons.pdf

West Island Vacuum Pumping Station site plan.
CAD: 48C61 as cons.dwg
PDF: 48C61 as cons.pdf

Home & West Island Pumping Station general arrangement plan.
CAD: 48C62as cons2.dwg
PDF: 48C62as cons2.pdf

Home & West Island Pumping Station general arrangement sections.
CAD: 48C63airvac as cons.dwg
PDF: 48C63airvac as cons.pdf

Home & West Island Pumping Station elevations.
CAD: 48C64airvac as cons.dwg
PDF: 48C64airvac as cons.pdf

Home & West Island Pumping Station Reinforced Concrete details.
CAD: 48C65as cons.dwg
PDF: 48C65as cons.pdf

Home & West Island Structural details.
CAD: 48C66as cons.dwg
PDF: 48C66as cons.pdf

Home & West Island Pumping Station Odour control pit.
CAD: 48C68 as cons.dwg
PDF: 48C68 as cons.pdf

Home & West Island Ocean outfall details.
CAD: 48C84as cons2.dwg
PDF: 48C84as cons2.pdf

Home Island Pumping Station Electrical building layout.
CAD: 48E01REV0as cons.dwg
PDF: 48E01REV0as cons.pdf

West Island Pumping Station Electrical building layout.
CAD: 48E01REV0as cons.dwg
PDF: 48E01REV0as consdwg.pdf

Home Island Telstra Electrical cables (in CKIG92 projection).
CAD: homebase_telstra_cables_CKIG94.dxf
PDF: homebase_telstra_cables_CKIG94.pdf

West Island Telstra Electrical cables (in CKIG92 projection).
CAD: WESTBASE_elec_CKIG94.dxf
PDF: WESTBASE_elec_CKIG92.pdf

West Island Sewer lines.
CAD: WESTSEWER.dwg
PDF: WESTSEWER.pdf

West Island Sewer main (in CKIG92 projection).
CAD: westsewer_sewer_CKIG94.dxf
PDF: westsewer_sewer_CKIG94.pdf

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Water (supply/meters)

Water Meters Installation
Water Meters (as constructed).
Filenames: H001.tif, H002.tif, H003.tif, H004.tif, H005.tif, H006.tif, H007.tif, H008.tif, H009.tif, H010.tif, H011-1.tif, H012-1.tif, H013-1.tif, H014-1.tif, H015-1.tif
PDF:
- H001 - H015-1

TIF:
- Home Island site plan (1 of 15)
- Home Island site plan (2 of 15)
- Home Island site plan (3 of 15)
- Home Island site plan (4 of 15)
- Home Island site plan (5 of 15)
- Home Island site plan (6 of 15)
- Home Island site plan (7 of 15)
- West Island site plan (8 of 15)
- West Island site plan (9 of 15)
- West Island site plan (10 of 15)
- West Island site plan (11 of 15)
- West Island site plan (12 of 15)
- West Island site plan (13 of 15)
- West Island site plan (14 of 15)
- Typical Details (15 of 15)

Water Supply Upgrade
Water Supply upgrade (as constructed).

Home Island Schematic diagram
CAD file: HIH01.dwg
PDF file: HIH01.pdf

Home Island sections & details - Electric & Diesel pumps.
CAD file: HIS01.dwg
PDF file: HIS01.pdf

West Island Office modifications & Electrical services.
CAD file: WIE01.dwg

PDF file: WIE01.pdf

West Island Part site plan.
CAD file: WIH01.dwg
PDF file: WIH01.pdf

West Island Water Tank details.
CAD file: WIH02.dwg
PDF file: WIH02.pdf

West Island Dimensioned set out drawings & schematic.
CAD file: WIH03.dwg
PDF file: WIH03.pdf

West Island sections & details - Electric & Diesel pumps.
CAD file: WIS01.dwg
PDF file: WIS01.pdf

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Underground Services

Underground Services (as constructed 1994)

Home Island Existing Underground services & Survey data
CAD: underground_services_home_island_CKIG92.dwg
PDF: underground_services_home_island_CKIG92.pdf

West Island Existing Underground services & Survey data (1 of 2)
CAD: underground_services_west_island_1_CKIG92.dwg
PDF: underground_services_west_island_1_CKIG92.pdf

West Island Existing Underground services & Survey data (2 of 2)
CAD: underground_services_west_island_2_CKIG92.dwg
PDF: underground_services_west_island_2_CKIG92.pdf

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To view the files, copy CocosGIS to drive C: as shown in Getting Started, then double click the shortcuts in this folder to start the iView viewer with a bathymetry file. Shortcuts are provided to open two files:

- cocos_final_30apr_10m.sd
- cocos_final_7apr_250m.sd

Consequently, no comprehensive checks were made as to the accuracy or completeness of these externally supplied datasets. Therefore the data should not be completely depended on when making decisions of a commercial nature.

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Department of Regional Australia, Regional Development and Local Government

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7. Cocos Island Co-operative Society Ltd
8. Cocos Dive
9. WA Department of Education and Training
10. Cocos (Keeling) Islands Tourism Association

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Cocos Keeling Islands GIS

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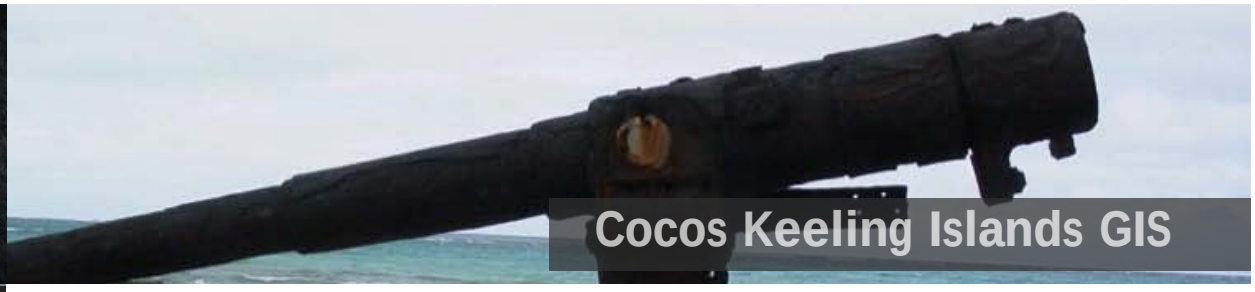

Australian Government
Department of Regional Australia, Regional Development and Local Government

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Fax: 08 9225 1429

The GIS datasets were recast and assembled by the Mineral Resources and Advice Group of Geoscience Australia as part of a project assessing opportunities for further mining of the phosphate resources on Cocos Island in balance with nature conservation and related land use management and planning issues.

For further information, contact Keith Porritt regarding the data integration.

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Chapter
6

Appendix 3: Ground Audit and Cadastre Tables

Table 2: Full listing of cadastre.shp and lodged.shp

Table 3: The following two spreadsheets list 66 fields of data from 'cocos_cadastre.xls' and 28 fields of data from 'cocos_lodged.xls' that are displayed in the attribute table. Records are sorted by the 'PIN' field. The page order for columns is 'Down, then over'. The excel spreadsheet files can be found on the DVD.

Cadastre Fields: First Section		Lodged Fields: Second Section	
Locno_str	Date_creat	Lotno_str	Tenure
Pin	Date_modif	Pin	Zoning
LotNumber	Legal_deriv	LotNumber	Reserve1
Houseno	Area_indic	Plan	Stname
Address	Centroid_c	Purpose	Stnamefx
Diagram	Date_retir	Diagram	
Description	Date_bound	Survey	
Improvment	Pityp	Centlat	
Purpose	Lot_type	Centlong	
Housesuffi	Rsv_vestin	Calc_area	
Addresstyp	Reserve_us	Legal_area	
Tenure	Lga	Date_create	
Survey	Owner	Date_modif	
Docno	Management	Lega_deriv	
Ct	Mgr_name	Area_indic	
Piparcel	Saledate	Centroid_c	
Zoning	Saledateno	Usage_code	
Plan	Purchasepr	Date_retir	
Calc_area	Location	Date_bound	
Legal_area	Gprpfx	Pityp	
Usage_code	Gprsfx	Piparcel	
Centlat	Region	Lot_type	
Centlong	Postcode	Mgr_name	

LOCNO	PIN	LOT_NUM	HOUSENO	ADDRESS	DIAGRAM	DESCRIPTIO	IMPROVMENT
0001	1115125	1	123	NELSON MANDELA WALK		0000134267 124 AIR FORCE ROAD COCOS (KEELING) 000001 23 AIR FORCE ROAD 36082 00050 000089 G	
0001	11444270	1	5	BUFFETT CL			
0002	11444271	2	9	BUFFETT CL			
0003	11444272	3	11	BUFFETT CL			
0004	11444273	4	13	BUFFETT CL			
0005	11444274	5	15	BUFFETT CL			
0006	11444275	6	17	BUFFETT CL			
0007	11444276	7	19	BUFFETT CL			
0008	11444277	8	21	BUFFETT CL			
0009	11444278	9	23	BUFFETT CL			
0010	11444280	10	25	BUFFETT CL			
0011	11444281	11	27	BUFFETT CL			
0012	11444282	12	29	BUFFETT CL			
0013	11444283	13	31	BUFFETT CL			
0014	11444284	14	33	BUFFETT CL			
0015	11444285	15	35	BUFFETT CL			
0016	11444286	16	37	BUFFETT CL			
0017	11444287	17	39	BUFFETT CL			
0018	11444288	18	41	BUFFETT CL			
0100	1115206	100					
0100	1115207	100					
0100	1115208	100					
0100	1115209	100					
0100	1115214	100					
0100	1115219	100					
0100	1115221	100					
0100	1115211	100					
0100	1115215	100					
0100	1115216	100					
0100	1115217	100					
0100	11496255	100					
0100	1115220	100					
0100	1115224	100					
0100	1115225	100					
0100	1115226	100					
0100	1115227	100					
0100	1115228	100					
0100	1115229	100					
0100	1115230	100					
0100	1115231	100					
0100	1115232	100					
0100	1115233	100					
0101	1115591	101					
0101	1115180	101			House 1	House 1, William Keeling Street.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0101	1115180	101			House 1	House 1, William Keeling Street.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0102	1115590	102					
0102	1115592	102					
0102	1115181	102			House 2	House 2, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0102	1115181	102			House 2	House 2, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0103	1115182	103			House 3	House 3, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0103	1115182	103			House 3	House 3, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0104	1115625	104					
0104	1115611	104					
0104	1115612	104					
0104	1115613	104					
0104	1115614	104					
0104	1115615	104					
0104	1115616	104					
0104	1115617	104					
0104	1115618	104					
0104	1115619	104					
0104	1115620	104					
0104	1115621	104					
0104	1115622	104					
0104	1115623	104					
0104	1115624	104					
0104	1115663	104					
0104	1115664	104					
0104	1115665	104					
0104	1115666	104					
0104	1115667	104					
0104	1115674	104					
0104	1115668	104					
0104	1115675	104					
0104	1115676	104					
0104	1115669	104					
0104	1115670	104					
0104	1115671	104					
0104	1115672	104					
0104	1115673	104					
0104	1115677	104					
0104	1115678	104					
0104	1115679	104					
0104	1115680	104					
0104	1115681	104					
0104	1115682	104					
0104	1115683	104					
0104	1115684	104					

LOCNO	PIN	LOT_NUM	HOUSENO	ADDRESS	DIAGRAM	DESCRIPTIO	IMPROVMENT
0104	1115685	104					
0104	1115686	104					
0104	1115203	104					
0104	1115204	104					
0104	1115205	104					
0104	1115609	104					
0104	1115610	104					
0104	1115687	104					
0104	1115688	104					
0104	1115689	104					
0104	1115690	104					
0104	1115691	104					
0104	1115692	104					
0104	1115693	104					
0104	1115626	104					
0104	1115627	104					
0104	1115628	104					
0104	1115629	104					
0104	1115630	104					
0104	1115631	104					
0104	1115632	104					
0104	1115633	104					
0104	1115634	104					
0104	1115635	104					
0104	1115636	104					
0104	1115637	104					
0104	1115638	104					
0104	1115639	104					
0104	1115640	104					
0104	1115641	104					
0104	1115642	104					
0104	1115643	104					
0104	1115644	104					
0104	1115607	104					
0104	1115608	104					
0104	1115645	104					
0104	1115646	104					
0104	1115647	104					
0104	1115648	104					
0104	1115649	104					
0104	1115650	104					
0104	1115651	104					
0104	1115652	104					
0104	1115653	104					
0104	1115654	104					
0104	1115655	104					
0104	1115656	104					
0104	1115657	104					
0104	1115658	104					
0104	1115659	104					
0104	1115660	104					
0104	1115661	104					
0104	1115662	104					
0104	1113733	104					
0104	1113734	104					
0104	1113735	104					
0104	1113736	104					
0104	1113737	104					
0104	1115593	104					
0104	1115594	104					
0104	1115595	104					
0104	1115596	104					
0104	1115597	104					
0104	1115598	104					
0104	1115599	104					
0104	1115600	104					
0104	1115601	104					
0104	1115602	104					
0104	1115603	104					
0104	1115604	104					
0104	1115605	104					
0104	1115606	104					
0104	1115183	104			House 4	House 4, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0104	1115183	104			House 4	House 4, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0105	1115589	105					
0105	1115191	105			House 5	House 5, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0105	1115191	105			House 5	House 5, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0106	1115192	106			House 6	House 6, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0106	1115192	106			House 6	House 6, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0107	1115193	107			House 7	House 7, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0107	1115193	107			House 7	House 7, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0108	1115178	108			House 8	House 8, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0108	1115178	108			House 8	House 8, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0109	1115177	109			House 9	House 9, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0109	1115177	109			House 9	House 9, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0110	1115127	110			House 10	House 10, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0110	1115127	110			House 10	House 10, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0111	1115131	111			House 11	House 11, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old

LOCNO	PIN	LOT_NUM	HOUSENO	ADDRESS	DIAGRAM	DESCRIPTIO	IMPROVMENT
0111	1115131	111			House 11	House 11, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0112	1115130	112			House 12	House 12, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0112	1115130	112			House 12	House 12, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0113	1115129	113			House 13	House 13, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0113	1115129	113			House 13	House 13, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0114	1115128	114			House 14	House 14, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0114	1115128	114			House 14	House 14, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0115	1115116	115			House 15	House 15, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0115	1115116	115			House 15	House 15, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0116	1115115	116			House 16	House 16, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0116	1115115	116			House 16	House 16, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0117	1115114	117			House 17	House 17, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0117	1115114	117			House 17	House 17, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0118	1115113	118			House 18	House 18, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0118	1115113	118			House 18	House 18, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0119	1115112	119			House 19	House 19, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0119	1115112	119			House 19	House 19, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0120	1115111	120			House 20	House 20, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0120	1115111	120			House 20	House 20, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0121	1115121	121	121	NELSON MANDELA WALK	0	House 21, Airforce Road.	A 25 year old, 2 bedroom, fibre cement clad and corrugated asbestos roof home with timber flooring, in fair condit
0121	1115121	121	121	NELSON MANDELA WALK	0	House 21, Airforce Road.	A 25 year old, 2 bedroom, fibre cement clad and corrugated asbestos roof home with timber flooring, in fair condit
0122	1115122	122	122	NELSON MANDELA WALK	0	House 22, Airforce Road.	A 25 year old, 2 bedroom, fibre cement clad and corrugated asbestos roof home with timber flooring, in fair condit
0122	1115122	122	122	NELSON MANDELA WALK	0	House 22, Airforce Road.	A 25 year old, 2 bedroom, fibre cement clad and corrugated asbestos roof home with timber flooring, in fair condit
0123	1115125	123	123	NELSON MANDELA WALK		0000134267 124 AIR FORCE ROAD COCOS (KEELING) 000001 23 AIR FORCE ROAD 36082 00050 000089 G	
0123	1115125	123	123	NELSON MANDELA WALK		0000134267 124 AIR FORCE ROAD COCOS (KEELING) 000001 23 AIR FORCE ROAD 36082 00050 000089 G	
0124	1115126	124	124	NELSON MANDELA WALK	House 24	House 24, Airforce Road.	A single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling approximately 10 years old.
0124	1115126	124	124	NELSON MANDELA WALK	House 24	House 24, Airforce Road.	A single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling approximately 10 years old.
0125	1115190	125			0	House 25, Caretaker's Unit. Qantas Close.	A 25 year old, one bedroom, single level brick and corrugated asbestos roof dwelling with timber flooring, in fair co
0125	1115190	125			0	House 25, Caretaker's Unit. Qantas Close.	A 25 year old, one bedroom, single level brick and corrugated asbestos roof dwelling with timber flooring, in fair co
0126	1115184	126			0	House 26, Administrator's Residence. Orion Road.	A 25 year old, 3 bedroom, asbestos clad and corrugated asbestos roof dwelling, in fair condition
0126	1115184	126			0	House 26, Administrator's Residence. Orion Road.	A 25 year old, 3 bedroom, asbestos clad and corrugated asbestos roof dwelling, in fair condition
0127	1115185	127	127	AIR FORCE RD	House 27	House 27, Airforce Road.	A 25 year old, 2 bedroom, fibre cement clad and iron roof home having timber floors in fair condition.
0127	1115185	127	127	AIR FORCE RD	House 27	House 27, Airforce Road.	A 25 year old, 2 bedroom, fibre cement clad and iron roof home having timber floors in fair condition.
0128	1115109	128	128	NELSON MANDELA WALK			
0128	1115109	128	128	NELSON MANDELA WALK			
0129	1115186	129	129	AIR FORCE RD	House 29	House 29, Airforce Road.	A 25 year old, 3 bedroom, single level fibre cement clad and iron roof home in fair condition.
0129	1115186	129	129	AIR FORCE RD	House 29	House 29, Airforce Road.	A 25 year old, 3 bedroom, single level fibre cement clad and iron roof home in fair condition.
0130	1115173	130				Vacant Land, Air Force Road.	Vacant residential lot.
0130	1115173	130				Vacant Land, Air Force Road.	Vacant residential lot.
0131	1115194	131			House 31	House 31, Orion Road.	A 25 year old, 3 bedroom, single level fibre cement clad and iron roof home in fair condition.
0131	1115194	131			House 31	House 31, Orion Road.	A 25 year old, 3 bedroom, single level fibre cement clad and iron roof home in fair condition.
0132	1115172	132			House 32	House 32, Airforce Road.	A 25 year old, 3 bedroom, single level fibre cement clad and asbestos roof home in fair condition.
0132	1115172	132			House 32	House 32, Airforce Road.	A 25 year old, 3 bedroom, single level fibre cement clad and asbestos roof home in fair condition.
0133	1115195	133			House 33	House 33, Airforce Road.	A 20 year old, 2 bedroom, weather-board and corrugated asbestos roof home having timber floors in fair condition
0133	1115195	133			House 33	House 33, Airforce Road.	A 20 year old, 2 bedroom, weather-board and corrugated asbestos roof home having timber floors in fair condition
0134	1115187	134	134	AIR FORCE RD	House 34	House 34, Airforce Road.	A 20 year old, 2 bedroom, weather-board and corrugated asbestos roof home having timber floors in fair condition
0134	1115187	134	134	AIR FORCE RD	House 34	House 34, Airforce Road.	A 20 year old, 2 bedroom, weather-board and corrugated asbestos roof home having timber floors in fair condition
0135	1115108	135	135	NELSON MANDELA WALK		Police House	
0135	1115108	135	135	NELSON MANDELA WALK		Police House	
0136	1115176	136				House 36, Mecnelec Place.	A single level three bedroom fibre cement clad and Colorbond roof dwelling approximately 10 years old.
0136	1115176	136				House 36, Mecnelec Place.	A single level three bedroom fibre cement clad and Colorbond roof dwelling approximately 10 years old.
0137	1115124	137	137	NELSON MANDELA WALK	0	House 37, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0137	1115124	137	137	NELSON MANDELA WALK	0	House 37, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0138	1115123	138	138	NELSON MANDELA WALK	0	House 38, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0138	1115123	138	138	NELSON MANDELA WALK	0	House 38, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0139	1115120	139	139	NELSON MANDELA WALK	0	House 39, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0139	1115120	139	139	NELSON MANDELA WALK	0	House 39, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0140	1115119	140	140	NELSON MANDELA WALK	0	House 40, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0140	1115119	140	140	NELSON MANDELA WALK	0	House 40, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0141	1115106	141					
0141	1115106	141					
0142	1115152	142			0	House 42, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0142	1115152	142			0	House 42, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0143	1115158	143			0	House 43, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0143	1115158	143			0	House 43, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0144	1115151	144			0	House 44, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0144	1115151	144			0	House 44, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0145	1115159	145			0	House 45, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0145	1115159	145			0	House 45, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0146	1115150	146			0	House 46, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0146	1115150	146			0	House 46, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0147	1115161	147			0	House 47, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0147	1115161	147			0	House 47, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0148	1115135	148			0	House 48, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0148	1115135	148			0	House 48, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0149	1115162	149			0	House 49, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0149	1115162	149			0	House 49, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0150	1115134	150			0	House 50, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0150	1115134	150			0	House 50, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0151	1115163	151			0	House 51, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0151	1115163	151			0	House 51, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0152	1115133	152			0	House 52, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0152	1115133	152			0	House 52, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0153	1115164	153			0	House 53, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0153	1115164	153			0	House 53, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0154	1115132	154			0	House 54, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0154	1115132	154			0	House 54, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0155	1115165	155			House 55	House 55, Beacon Heights Road.	A single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.

LOCNO	PIN	LOT_NUM	HOUSENO	ADDRESS	DIAGRAM	DESCRIPTIO	IMPROVMENT
0155	1115165	155			House 55	House 55, Beacon Heights Road.	A single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0156	1115153	156			0	House 56, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0156	1115153	156			0	House 56, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0157	1115166	157			0	House 57, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0157	1115166	157			0	House 57, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0158	1115154	158			0	House 58, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0158	1115154	158			0	House 58, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0159	1115170	159			0	House 59, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0159	1115170	159			0	House 59, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0160	1115107	160	160	NELSON MANDELA WALK	0	Police Station, Air Force Rd.	Police Station, new building, timber frame, fibre cement clad walls and Colorbond metal deck roof over concrete fl
0160	1115107	160	160	NELSON MANDELA WALK	0	Police Station, Air Force Rd.	Police Station, new building, timber frame, fibre cement clad walls and Colorbond metal deck roof over concrete fl
0161	1115169	161			0	House 61, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0161	1115169	161			0	House 61, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0162	1115188	162	162	AIR FORCE RD		Vacant Land, Air Force Road.	Vacant residential lot.
0162	1115188	162	162	AIR FORCE RD		Vacant Land, Air Force Road.	Vacant residential lot.
0163	1115168	163			0	House 63, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0163	1115168	163			0	House 63, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0164	1115189	164	164	AIR FORCE RD		Vacant Land, Air Force Road.	Vacant residential lot.
0164	1115189	164	164	AIR FORCE RD		Vacant Land, Air Force Road.	Vacant residential lot.
0165	1115171	165				Vacant Land, Air Force Road.	Vacant residential lot.
0165	1115171	165				Vacant Land, Air Force Road.	Vacant residential lot.
0166	1115174	166					
0166	1115174	166					
0167	1115196	167					
0167	1115196	167					
0168	1115175	168				Transformer site	
0168	1115175	168				Transformer site	
0169	1115117	169	169	NELSON MANDELA WALK	Airforce Road	School, Airforce Road	School complex. Timber and metal frame structure comprising asbestos clad walls and metal clad roof, 20 yrs ol
0169	1115117	169	169	NELSON MANDELA WALK	Airforce Road	School, Airforce Road	School complex. Timber and metal frame structure comprising asbestos clad walls and metal clad roof, 20 yrs ol
0170	1115110	170	170	NELSON MANDELA WALK			
0170	1115110	170	170	NELSON MANDELA WALK			
0173	1115103	173				VACANT LAND, Clunies-Ross Ave	Vacant commercial lot.
0173	1115103	173				VACANT LAND, Clunies-Ross Ave	Vacant commercial lot.
0174	1115102	174			0	Supermarket, Clunies-Ross Ave	Supermarket premises, of steel frame, metal deck clad walls and roof over concrete floor, approximately 10 years
0174	1115102	174			0	Supermarket, Clunies-Ross Ave	Supermarket premises, of steel frame, metal deck clad walls and roof over concrete floor, approximately 10 years
0175	1115100	175	175	NELSON MANDELA WALK		Golf Club, Airforce Road.	Club rooms. A timber framed/asbestos clad and corrugated asbestos roof building approximately 30 years old.
0175	1115100	175	175	NELSON MANDELA WALK		Golf Club, Airforce Road.	Club rooms. A timber framed/asbestos clad and corrugated asbestos roof building approximately 30 years old.
0176	1115101	176	176	NELSON MANDELA WALK		Transformer Site LOC 176	
0176	1115101	176	176	NELSON MANDELA WALK		Transformer Site LOC 176	
0178	1115095	178			Sydney Highway.	Cocus Club/Cyclone Shelter, Sydney Highway.	Club/Cyclone shelter aprox 15 yrs old. Brick walls and asbestos roof, plus heavy duty storm shutters
0178	1115095	178			Sydney Highway.	Cocus Club/Cyclone Shelter, Sydney Highway.	Club/Cyclone shelter aprox 15 yrs old. Brick walls and asbestos roof, plus heavy duty storm shutters
0179	1115089	179					
0179	1115089	179					
0180	1115090	180			Sydney Highway.	The Lodge, Sydney Highway.	Asbestos/asbestos tourist amenities complex comprising 8 buildings, in fair condition aprox 20 years old
0180	1115090	180			Sydney Highway.	The Lodge, Sydney Highway.	Asbestos/asbestos tourist amenities complex comprising 8 buildings, in fair condition aprox 20 years old
0181	1115094	181			Qantas building A	Qantas building A, Sydney Highway.	Office building comprising 6 suites. Concrete stumps, timber framed/asbestos clad walls and roof, 30 years old.
0181	1115094	181			Qantas building A	Qantas building A, Sydney Highway.	Office building comprising 6 suites. Concrete stumps, timber framed/asbestos clad walls and roof, 30 years old.
0182	1115098	182			William Keeling Cres.	Hospital and Nurses' Quaters, William Keeling Cres.	Hospital and Nurses Quaters, both approx. 20 yrs old of timber frame with asbestos clad walls and metal deck roo
0182	1115098	182			William Keeling Cres.	Hospital and Nurses' Quaters, William Keeling Cres.	Hospital and Nurses Quaters, both approx. 20 yrs old of timber frame with asbestos clad walls and metal deck roo
0184	1115082	184			Asset Services Complex	Asset Services Complex, Sydney Highway.	Offices/Workshops/Storage, generally of steel frame with aluminium sheeting to walls and roof, rangeing between
0184	1115082	184			Asset Services Complex	Asset Services Complex, Sydney Highway.	Offices/Workshops/Storage, generally of steel frame with aluminium sheeting to walls and roof, rangeing between
0187	1115088	187			Cnr Emden Walk and Alexander Street	Mosque, Cnr Emden Walk and Alexander Street	Former residence with weather-board and asbestos walls and asbestos roof, approximately 50 years old.
0187	1115088	187			Cnr Emden Walk and Alexander Street	Mosque, Cnr Emden Walk and Alexander Street	Former residence with weather-board and asbestos walls and asbestos roof, approximately 50 years old.
0188	1115087	188			Shell Workshop	Shell Workshop, Emden Walk	Workshop of steel frame, aluminium clad walls and roof over concrete floor, approximately 10 years old.
0188	1115087	188			Shell Workshop	Shell Workshop, Emden Walk	Workshop of steel frame, aluminium clad walls and roof over concrete floor, approximately 10 years old.
0189	1115086	189			0	Shell Office and Workshop, Emden Walk.	Office/Workshop, steel frame, aluminium clad walls and roof over concrete floor, approximately 10 years old
0189	1115086	189			0	Shell Office and Workshop, Emden Walk.	Office/Workshop, steel frame, aluminium clad walls and roof over concrete floor, approximately 10 years old
0190	1115085	190				Sydney Highway & Emden Walk.	Vacant industrial lot.
0190	1115085	190				Sydney Highway & Emden Walk.	Vacant industrial lot.
0191	1115118	191	191	NELSON MANDELA WALK	0	House 91, Airforce Road.	A 25 year old, single level, 3 bedroom, fibre cement clad and corrugated asbestos roof dwelling in fair condition.
0191	1115118	191	191	NELSON MANDELA WALK	0	House 91, Airforce Road.	A 25 year old, single level, 3 bedroom, fibre cement clad and corrugated asbestos roof dwelling in fair condition.
0192	1115179	192	192	NELSON MANDELA WALK	0	House 92, Airforce Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0192	1115179	192	192	NELSON MANDELA WALK	0	House 92, Airforce Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0197	1115160	197					
0197	1115160	197					
0198	1115167	198					
0198	1115167	198					
0199	1115091	199					
0199	1115091	199					
0202	1115062	202			Civil Aviation Authority (CAA)	TRANSMITTER SITE, Civil Aviation Authority (CAA)	Transmitter building, power house and emergency power house.
0202	1115062	202			Civil Aviation Authority (CAA)	TRANSMITTER SITE, Civil Aviation Authority (CAA)	Transmitter building, power house and emergency power house.
0206	1115063	206				Transmitter Site	
0206	1115063	206				Transmitter Site	
0207	1115061	207				Transmitter Site	
0207	1115061	207				Transmitter Site	
0209	1115059	209			Airport	Bureau of Meteorology Weather Station, Airport, Alexander Street	A fibre cement clad and iron roofed office approx 20 years old. with detatched store/balloon filling shed.
0209	1115059	209			Airport	Bureau of Meteorology Weather Station, Airport, Alexander Street	A fibre cement clad and iron roofed office approx 20 years old. with detatched store/balloon filling shed.
0221	1115099	221					
0221	1115099	221					
0222	1115197	222					
0222	1115197	222					
0313	1115148	313				Transformer	
0313	1115148	313				Transformer	
0315	1115149	315				Vacant Land, Buffet Close.	Vacant residential lot.
0315	1115149	315				Vacant Land, Buffet Close.	Vacant residential lot.
0316	1115155	316					
0316	1115155	316					
0317	1115157	317					

LOCNO	PIN	LOT_NUM	HOUSENO	ADDRESS	DIAGRAM	DESCRIPTIO	IMPROVMENT
0317	1115157	317					
0319	1189457	319					
0319	1189457	319					
0323	1194332	323					
0323	1194332	323					
0326	1215186	326					
0326	1215186	326					
0327	1215187	327					
0327	1215187	327					
0328	1215182	328					
0328	1215182	328					
0329	1290328	329					
0329	1290328	329					
0331	1303141	331					
0331	1303141	331					
0332	1303140	332					
0332	1303140	332					
0333	11256183	333					Bus and passenger shelter steel frame, hardiplank and fibre cement walls, metal deck roof and concrete floor, 1 y
0333	11256183	333					Bus and passenger shelter steel frame, hardiplank and fibre cement walls, metal deck roof and concrete floor, 1 y
0334	11256184	334					
0334	11256184	334					
0335	11299225	335					Bus and passenger shelter steel frame, hardiplank and fibre cement walls, metal deck roof and concrete floor, 1 y
0336	11218848	336			SCOUT HALL		Hall with concrete floor, timber framed asbestos clad walls and roof, approximately 40 years old and in poor condi
0336	11218848	336			SCOUT HALL		Hall with concrete floor, timber framed asbestos clad walls and roof, approximately 40 years old and in poor condi
0337	11218847	337			William Keeling Cres		Day/Child Care Centre approximately 30 years old comprising concrete floor, asbestos clad walls and metal roof c
0337	11218847	337			William Keeling Cres		Day/Child Care Centre approximately 30 years old comprising concrete floor, asbestos clad walls and metal roof c
0338	1365196	338					
0338	1365196	338					
0339	1365195	339					
0339	1365195	339					
0340	11299184	340					
0341	11299159	341					
0342	11299160	342					
0343	11299155	343					
0344	11299154	344					
0345	11299151	345					
0346	11299152	346					
0347	11299153	347					
0348	11299157	348					Single level commercial/office building approx 20 yrs old, fibre cement panel walls and corrugated asbestos roof.
0349	11299158	349					Single level commercial/office building approx 20 yrs old, fibre cement panel walls and corrugated asbestos roof.
0350	11299156	350					
0351	11299224	351					STORAGE/WORKSHOP, FUEL TANKS AND PUMPING FACILITIES
0600	11607568	600					
1000	1365197	1000	39	JALAN PANTAI			
1001	1365194	1001	31	JALAN PANTAI			
1106	1113721	1106					
1107	11016564	1107					
1108	1113731	1108					
1109	1113730	1109					
3003	11444290	3003					
3004	11444293	3004	14	BUFFETT CL			
3005	11444289	3005	18	BUFFETT CL			
3006	11444279	3006					
0000	11848299	0					
0000	1365195	0					
0000	11299159	0					
0000	11256184	0					
0000	11299225	0					Bus and passenger shelter steel frame, hardiplank and fibre cement walls, metal deck roof and concrete floor, 1 y
0000	1115059	0			Airport	Bureau of Meteorology Weather Station, Airport, Alexander Street	A fibre cement clad and iron roofed office approx 20 years old. with detatched store/balloon filling shed.
0000	11299160	0					
0000	1115061	0				Transmitter Site	
0000	1215182	0					
0000	11826090	0					
0000	11826091	0					
0000	11299155	0					
0000	11299151	0					
0000	11299154	0					
0000	11299157	0					Single level commercial/office building approx 20 yrs old, fibre cement panel walls and corrugated asbestos roof.
0000	11299158	0					Single level commercial/office building approx 20 yrs old, fibre cement panel walls and corrugated asbestos roof.
0000	11299156	0					
0000	1115167	0					
0000	1115196	0					
0000	11218848	0			SCOUT HALL		Hall with concrete floor, timber framed asbestos clad walls and roof, approximately 40 years old and in poor condi
0000	1115062	0			Civil Aviation Authority (CAA)	TRANSMITTER SITE, Civil Aviation Authority (CAA)	Transmitter building, power house and emergency power house.
0000	1115063	0				Transmitter Site	
0000	1215186	0					
0000	1215187	0					
0000	1290328	0					
0000	11016562	0					
0000	11016563	0					
0000	11444291	0					
0000	11825974	0					
0000	11825975	0					
0000	11825976	0					
0000	11826043	0					
0000	11826037	0					
0000	11826038	0					
0000	11826039	0					

LOCNO	PIN	LOT_NUM	HOUSENO	ADDRESS	DIAGRAM	DESCRIPTIO	IMPROVMENT
0000	11826045	0					
0000	11826041	0					
0000	11826042	0					
0000	11826044	0					
0000	11826047	0					
0000	11826040	0					
0000	11826046	0					
0000	11826092	0					
0000	11826095	0					
0000	11826093	0					
0000	11826094	0					
0000	11826152	0					
0000	1215181	0					
0000	1215184	0					
0000	1291302	0					
0000	1365196	0					
0000	11218847	0			William Keeling Cres		Day/Child Care Centre approximately 30 years old comprising concrete floor, asbestos clad walls and metal roof c
0000	11299184	0					
0000	11299153	0					
0000	11299152	0					
0000	11256183	0					Bus and passenger shelter steel frame, hardiplank and fibre cement walls, metal deck roof and concrete floor, 1 y
0000	11299224	0					STORAGE/WORKSHOP, FUEL TANKS AND PUMPING FACILITIES
0000	11444290	0					
0000	1115082	0			Asset Services Complex	Asset Services Complex, Sydney Highway.	Offices/Workshops/Storage, generally of steel frame with aluminium sheeting to walls and roof, rangeing between
0000	1115086	0			0	Shell Office and Workshop, Emden Walk.	Office/Workshop, steel frame, aluminium clad walls and roof over concrete floor, approximately 10 years old
0000	1115087	0			Shell Workshop	Shell Workshop, Emden Walk	Workshop of steel frame, aluminium clad walls and roof over concrete floor, approximately 10 years old.
0000	1115088	0			Cnr Emden Walk and Alexander Street	Mosque, Cnr Emden Walk and Alexander Street	Former residence with weather-board and asbestos walls and asbestos roof, approximately 50 years old.
0000	1115089	0					
0000	1115091	0					
0000	1115095	0			Sydney Highway.	Cocus Club/Cyclone Shelter, Sydney Highway.	Club/Cyclone shelter aprox 15 yrs old. Brick walls and asbestos roof, plus heavy duty storm shutters
0000	1115098	0			William Keeling Cres.	Hospital and Nurses' Quaters, William Keeling Cres.	Hospital and Nurses Quaters, both approx. 20 yrs old of timber frame with asbestos clad walls and metal deck roo
0000	1115099	0					
0000	1115100	0	175	NELSON MANDELA WALK		Golf Club, Airforce Road.	Club rooms. A timber framed/asbestos clad and corrugated asbestos roof building approximately 30 years old.
0000	1115101	0	176	NELSON MANDELA WALK		Transformer Site LOC 176	
0000	1115106	0					
0000	1115107	0	160	NELSON MANDELA WALK	0	Police Station, Air Force Rd.	Police Station, new building, timber frame, fibre cement clad walls and Colorbond metal deck roof over concrete fl
0000	1115108	0	135	NELSON MANDELA WALK		Police House	
0000	1115109	0	128	NELSON MANDELA WALK			
0000	1115110	0	170	NELSON MANDELA WALK			
0000	1115112	0			House 19	House 19, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115115	0			House 16	House 16, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115117	0	169	NELSON MANDELA WALK	Airforce Road	School, Airforce Road	School complex. Timber and metal frame structure comprising asbestos clad walls and metal clad roof, 20 yrs ol
0000	1115119	0	140	NELSON MANDELA WALK	0	House 40, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115120	0	139	NELSON MANDELA WALK	0	House 39, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115123	0	138	NELSON MANDELA WALK	0	House 38, Airforce Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115128	0			House 14	House 14, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115131	0			House 11	House 11, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115134	0			0	House 50, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115148	0				Transformer	
0000	1115150	0			0	House 46, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115151	0			0	House 44, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115153	0			0	House 56, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115155	0					
0000	1115157	0					
0000	1115158	0			0	House 43, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115160	0					
0000	1115161	0			0	House 47, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115163	0			0	House 51, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115164	0			0	House 53, Beacon Heights Road.	A 20 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115165	0			House 55	House 55, Beacon Heights Road.	A single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115170	0			0	House 59, Beacon Heights Road.	A 10 year old, single level, 3 bedroom, fibre cement clad and Colorbond roof dwelling in fair condition.
0000	1115172	0			House 32	House 32, Airforce Road.	A 25 year old, 3 bedroom, single level fibre cement clad and asbestos roof home in fair condition.
0000	1115174	0					
0000	1115175	0				Transformer site	
0000	1115178	0			House 8	House 8, William Keeling Crescent.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115181	0			House 2	House 2, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115182	0			House 3	House 3, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115183	0			House 4	House 4, Qantas Close.	A single level, 3 bedroom, fibre cement clad and corrugated asbestos roofed home approximately 16 years old
0000	1115184	0			0	House 26, Administrator's Residence. Orion Road.	A 25 year old, 3 bedroom, asbestos clad and corrugated asbestos roof dwelling, in fair condition
0000	1115185	0	127	AIR FORCE RD	House 27	House 27, Airforce Road.	A 25 year old, 2 bedroom, fibre cement clad and iron roof home having timber floors in fair condition.
0000	1115190	0			0	House 25, Caretaker's Unit. Qantas Close.	A 25 year old, one bedroom, single level brick and corrugated asbestos roof dwelling with timber flooring, in fair co
0000	1115194	0			House 31	House 31, Orion Road.	A 25 year old, 3 bedroom, single level fibre cement clad and iron roof home in fair condition.
0000	1115197	0					
0000	1189457	0					
0000	1303140	0					
0000	1303141	0					

LOCNO	PURPOSE	ADDRESSTYP	TENURE	SURVEY	DOCNO	CT	PIPARCEL	ZONING	PLAN	CALC_AREA	LEGAL_AREA	USA(	CENTLAT
0001		L		S036082	H291165	0214200944	S036082			1065.08600000000	1065.00000000000	19	-12.19175492700
0001		H		P044688 1	J585935	0260200977	P044688 1			674.81300000000	675.00000000000	1	-12.18505984300
0002		H		P044688 2	J693981	0260200978	P044688 2			673.67600000000	674.00000000000	1	-12.18495340790
0003		H		P044688 3	J585935	0260200979	P044688 3			674.16300000000	674.00000000000	1	-12.18486251000
0004		H		P044688 4	J585935	0260200980	P044688 4			674.65900000000	675.00000000000	1	-12.18477161300
0005		H		P044688 5	K656454	0260200981	P044688 5			675.16300000000	675.00000000000	1	-12.18468071640
0006		H		P044688 6	K018432	0260200982	P044688 6			675.65300000000	676.00000000000	1	-12.18458982000
0007		H		P044688 7	J585935	0260200983	P044688 7			676.18000000000	676.00000000000	1	-12.18449892520
0008		H		P044688 8	J693979	0260200984	P044688 8			649.94800000000	650.00000000000	1	-12.18441556710
0009		H		P044688 9	K477991	0260200985	P044688 9			980.86900000000	981.00000000000	1	-12.18430996290
0010		H		P044688 10	J585935	0260200986	P044688 10			871.07000000000	871.00000000000	1	-12.18401059050
0011		H		P044688 11	J585935	0260200987	P044688 11			932.77400000000	933.00000000000	1	-12.18388302650
0012		H		P044688 12	J793762	0260200988	P044688 12			649.94400000000	650.00000000000	1	-12.18402511170
0013		H		P044688 13	J793760	0260200989	P044688 13			649.99100000000	650.00000000000	1	-12.18412012810
0014		H		P044688 14	J585935	0260200990	P044688 14			649.98600000000	650.00000000000	1	-12.18420751720
0015		H		P044688 15	J992725	0260200991	P044688 15			649.98100000000	650.00000000000	1	-12.18429490620
0016		H		P044688 16	J679225	0260200992	P044688 16			649.95700000000	650.00000000000	1	-12.18438229520
0017		H		P044688 17	J585935	0260200993	P044688 17			649.95200000000	650.00000000000	1	-12.18446968440
0018		H		P044688 18	J585935	0260200994	P044688 18			650.07600000000	650.00000000000	1	-12.18455547690
0100				P018500 100	G142628	0210300109	P018500 100			60421.42100000000	60421.10200000000	1	-12.19502581500
0100				P018500 100	G142628	0210300109	P018500 100			3617.22200000000	3617.22300000000	1	-12.17553913200
0100				P018500 100	G142628	0210300109	P018500 100			106.01900000000	106.01900000000	1	-12.17630645400
0100				P018500 100	G142628	0210300109	P018500 100			14242.72700000000	14242.74300000000	1	-12.19959765200
0100				P018500 100	G142628	0210300109	P018500 100			13994.98100000000	13994.98100000000	1	-12.19834080400
0100				P018500 100	G142628	0210300109	P018500 100			2224830.05500000000	2224828.93000000000	1	-12.16299265800
0100				P018500 100	G142628	0210300109	P018500 100			334051.40399999900	334051.40000000000	1	-12.13681754300
0100				P018500 100	G142628	0210300109	P018500 100			548447.11199999900	548447.11199999900	1	-12.20043650210
0100				P018500 100	G142628	0210300109	P018500 100			83828.11600000000	83828.11600000000	1	-12.19691904600
0100				P018500 100	G142628	0210300109	P018500 100			118040.17800000000	118040.27099999900	1	-12.18227674700
0100				P018500 100	G142628	0210300109	P018500 100			406.91900000000	406.91900000000	1	-12.17913177400
0100							P018500 100			292834.43199999900	292834.43199999900	1	-12.20235852460
0100				P018500 100	G142628	0210300109	P018500 100			218632.11600000000	218632.11600000000	1	-12.15339628600
0100				P018500 100	G142628	0210300109	P018500 100			313.63100000000	313.63100000000	1	-12.17359129400
0100				P018500 100	G142628	0210300109	P018500 100			328.60800000000	328.60800000000	1	-12.17368616700
0100				P018500 100	G142628	0210300109	P018500 100			1380.28500000000	1380.28500000000	1	-12.17488433100
0100				P018500 100	G142628	0210300109	P018500 100			289.01900000000	289.02100000000	1	-12.17562062100
0100				P018500 100	G142628	0210300109	P018500 100			1596.56300000000	1596.56200000000	1	-12.17616662600
0100				P018500 100	G142628	0210300109	P018500 100			254.88200000000	254.88200000000	1	-12.17028649600
0100				P018500 100	G142628	0210300109	P018500 100			3975.75300000000	3975.75500000000	1	-12.17164575800
0100				P018500 100	G142628	0210300109	P018500 100			560.58800000000	560.58800000000	1	-12.16724254800
0100				P018500 100	G142628	0210300109	P018500 100			9343.94200000000	9343.93600000000	1	-12.17028875600
0100				P018500 100	G142628	0210300109	P018500 100			10578.91600000000	10578.93000000000	1	-12.17417305700
0101			Plan	P018500 101	G142628	0210300110	P018500 101	Parks and Recreation; Foreshore Protection and Nature Conservation		1046972.04600000000	1046972.04600000000	1	-12.07684556700
0101			Location	COCOSL 00101	I302759	0222300621	COCOSL 00101		0	1453.90800000000	1454.00000000000	2	-12.19284736800
0101			Location	COCOSL 00101	I302759	0222300621	P218313 101		0	1453.90800000000	1454.00000000000	2	-12.19284736800
0102			Plan	P018500 102	G142628	0210300111	P018500 102	Parks and Recreation; Foreshore Protection and Nature Conservation		319638.66399999900	319638.26299999900	1	-12.08929395100
0102			Plan	P018500 102	G142628	0210300111	P018500 102	Parks and Recreation; Foreshore Protection and Nature Conservation		3975.51400000000	3975.51700000000	1	-12.09564637500
0102	GOVT REQUIREMENTS		Plan	COCOSL 00102	I584705	LR0310200234	COCOSL 00102		0	1265.37900000000	1266.00000000000	2	-12.19308748500
0102	GOVT REQUIREMENTS		Plan	COCOSL 00102	I584705	LR0310200234	P218313 102		0	1265.37900000000	1266.00000000000	2	-12.19308748500
0103			Crown Rese	COCOSL 00103	I584705	LR0310200235	COCOSL 00103		0	802.30600000000	802.00000000000	2	-12.19332644700
0103			Crown Rese	COCOSL 00103	I584705	LR0310200235	P218313 103		0	802.30600000000	802.00000000000	2	-12.19332644700
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2005.96100000000	2005.96300000000	1	-12.16370091400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1886.80900000000	1886.81000000000	1	-12.15409373400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	829.75400000000	829.75400000000	1	-12.15407637500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1156.73400000000	1156.19200000000	1	-12.15869709100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	43064.23600000000	43064.26900000000	1	-12.15806278500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2599.13500000000	2597.91300000000	1	-12.16032300700
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1352.84700000000	1352.84800000000	1	-12.16187532700
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	452.21500000000	452.21500000000	1	-12.16273579200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2498.24300000000	2498.24500000000	1	-12.16294011500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	234.44200000000	234.44200000000	1	-12.16339476400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	866.39900000000	866.40000000000	1	-12.16359507000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	380.03700000000	380.03800000000	1	-12.16402941300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	478.25700000000	478.25700000000	1	-12.16391606900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2877.28500000000	2877.28700000000	1	-12.16571318500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2746.73800000000	2746.74000000000	1	-12.16491641500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	7646.23300000000	7646.23800000000	1	-12.19666880800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	432.29800000000	432.29800000000	1	-12.19851618500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	87.05400000000	87.05400000000	1	-12.19877082800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	198.12900000000	198.12900000000	1	-12.19889425200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	731.71000000000	731.71100000000	1	-12.19938988800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	340.08800000000	340.08900000000	1	-12.19816810700
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	521.11900000000	521.12000000000	1	-12.20193425000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	495.09900000000	495.09900000000	1	-12.19848501900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	389.41100000000	389.41100000000	1	-12.19829915200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1329.17300000000	1329.17400000000	1	-12.20139871500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1079.02700000000	1079.02800000000	1	-12.19970748600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1715.52300000000	1715.52500000000	1	-12.20152698100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	261.57500000000	261.57500000000	1	-12.19858469600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	357.82200000000	357.82200000000	1	-12.19941761300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	206.00700000000	206.00700000000	1	-12.19753059000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1154.11300000000	1154.11400000000	1	-12.19787718900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	183.60400000000	183.60400000000	1	-12.19840426300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	670.98000000000	670.98100000000	1	-12.19612806000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	646.11000000000	646.11100000000	1	-12.19636046200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	221.14600000000	221.14700000000	1	-12.19627931200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	701.51200000000	701.51300000000	1	-12.19662267900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	508.02200000000	508.02300000000	1	-12.19649315000

LOCNO	PURPOSE	ADDRESSTYP	TENURE	SURVEY	DOCNO	CT	PIPARCEL	ZONING	PLAN	CALC_AREA	LEGAL_AREA	USA(	CENTLAT
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	485.27200000000	485.27200000000	1	-12.19619377100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	250.52900000000	250.52900000000	1	-12.19649533900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	29577.31800000000	29577.34000000000	1	-12.19740413200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	20380.89300000000	20380.90900000000	1	-12.20118886300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	6738.58500000000	6738.59000000000	1	-12.20001403100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	20340.50600000000	20340.53000000000	1	-12.15554812400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	314.66300000000	314.66300000000	1	-12.15353694800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	216.17700000000	216.17700000000	1	-12.19670969800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	523.29700000000	523.29700000000	1	-12.19535604500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	590.21300000000	590.21300000000	1	-12.19558634500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2254.80500000000	2254.80700000000	1	-12.19581883100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1660.68400000000	1660.68500000000	1	-12.19478463300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	117.50500000000	117.50400000000	1	-12.19679995600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	3561220.84299999000	3561220.84299999000	1	-12.20154555800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	962.22600000000	962.22700000000	1	-12.16332195800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	707.68500000000	707.68500000000	1	-12.16383851500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	967.83700000000	967.83700000000	1	-12.16653516200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	308.94200000000	308.94200000000	1	-12.16570900300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	321.81800000000	321.81900000000	1	-12.16899761800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	963.67400000000	963.67400000000	1	-12.16852222300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	878.62400000000	878.62400000000	1	-12.16777096100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	286.09500000000	286.09500000000	1	-12.16934340400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	248.96700000000	248.96700000000	1	-12.17232707100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	126.27400000000	126.27300000000	1	-12.17244640800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	256.64000000000	256.64100000000	1	-12.17727974000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	503.44700000000	503.44800000000	1	-12.18212295300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	690.64800000000	690.64900000000	1	-12.18323666000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	226.42400000000	226.42400000000	1	-12.18146251000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	406.76000000000	406.76000000000	1	-12.18373253500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	863.08400000000	863.08400000000	1	-12.18398491300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	5517.34200000000	5517.34600000000	1	-12.18294378100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	336.28500000000	336.28600000000	1	-12.18473632000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	173.73600000000	173.73600000000	1	-12.18436975400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	100090.11300000000	100090.19000000000	1	-12.15362920800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	113.67900000000	113.67900000000	1	-12.15370920300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1996.74500000000	1996.74700000000	1	-12.18499920500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	146.11500000000	146.11500000000	1	-12.18566795400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1575.21900000000	1575.22100000000	1	-12.18506460400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2970.36200000000	2970.36500000000	1	-12.18601730600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	5326.88700000000	5326.89200000000	1	-12.18853294300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	295.80400000000	295.80400000000	1	-12.19778615900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	272.35800000000	272.35800000000	1	-12.19798390300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1659.89900000000	1659.90000000000	1	-12.19823864500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	336.75500000000	336.75500000000	1	-12.19897473700
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2393.17900000000	2393.18100000000	1	-12.19744837900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2593.05600000000	2593.05800000000	1	-12.19690216300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1114.70600000000	1114.70700000000	1	-12.19719404100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	3250.68200000000	3250.68500000000	1	-12.19738201600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	351.38000000000	351.38100000000	1	-12.19462765200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	2771.22500000000	2771.22700000000	1	-12.19527821500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	797.13900000000	797.14000000000	1	-12.19588295000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	5997.03100000000	5997.03500000000	1	-12.19682057900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	577.20700000000	577.20700000000	1	-12.19576800700
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	324.95900000000	324.95900000000	1	-12.12495674700
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	59931.05400000000	59902.18200000000	1	-12.12754721600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1660.84700000000	1660.04600000000	1	-12.12911654600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	11261.90900000000	11261.91800000000	1	-12.12961485300
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	17165.02500000000	17165.03400000000	1	-12.13132637000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	35647.89500000000	35647.92200000000	1	-12.13383963000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	104.59800000000	104.59700000000	1	-12.13630049600
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	824.79200000000	824.79300000000	1	-12.13611959200
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	151.05600000000	151.05600000000	1	-12.13740153900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	129.79400000000	129.79400000000	1	-12.13730385400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	192050.25000000000	192050.24200000000	1	-12.14057168400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	114.79500000000	114.79400000000	1	-12.13993317000
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	560.13600000000	560.13600000000	1	-12.14028253900
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	459.34400000000	459.34500000000	1	-12.14164406400
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1280.27300000000	1280.27400000000	1	-12.14176258500
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1193.17400000000	1193.17500000000	1	-12.14267808100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	222.89400000000	222.89500000000	1	-12.14335247800
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	194610.06500000000	194609.92700000000	1	-12.14748944100
0104			Plan	P018500 104	G142628	0210300113	P018500 104	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	500.82200000000	500.82200000000	1	-12.14811852200
0104	GOVT REQUIREMENTS		Location	COCOSL 00104	I584705	LR0310200236	COCOSL 00104		0	857.76100000000	858.00000000000	2	-12.19352604600
0104	GOVT REQUIREMENTS		Location	COCOSL 00104	I584705	LR0310200236	P218313 104		0	857.76100000000	858.00000000000	2	-12.19352604600
0105				P018500 105	G142628	0210300114	P018500 105	Foreshore Protection and Nature Conservation		1265212.63299999000	1265212.63299999000	1	-11.83229458200
0105			Plan	COCOSL 00105	J919471	0210600117	COCOSL 00105		0	1101.39800000000	1101.00000000000	2	-12.19328949100
0105			Plan	COCOSL 00105	J919471	0210600117	P218313 105		0	1101.39800000000	1101.00000000000	2	-12.19328949100
0106			Location	COCOSL 00106	K318323	0209500716	COCOSL 00106		0	1114.12200000000	1114.00000000000	2	-12.19303430500
0106			Location	COCOSL 00106	K318323	0209500716	P218313 106		0	1114.12200000000	1114.00000000000	2	-12.19303430500
0107			Location	COCOSL 00107	K318324	0209500717	COCOSL 00107		0	1047.85700000000	1048.00000000000	2	-12.19277920600
0107			Location	COCOSL 00107	K318324	0209500717	P218313 107		0	1047.85700000000	1048.00000000000	2	-12.19277920600
0108			Crown Rese	COCOSL 00108	I584705	LR0310200240	COCOSL 00108		0	949.54400000000	950.00000000000	2	-12.19245087300
0108			Crown Rese	COCOSL 00108	I584705	LR0310200240	P218313 108		0	949.54400000000	950.00000000000	2	-12.19245087300
0109			Location	COCOSL 00109	I100620	0221400428	COCOSL 00109		0	901.24800000000	901.00000000000	2	-12.19241781100
0109			Location	COCOSL 00109	I100620	0221400428	P218313 109		0	901.24800000000	901.00000000000	2	-12.19241781100
0110			Plan	COCOSL 00110	I162201	0209500719	COCOSL 00110		0	1161.50200000000	1161.00000000000	2	-12.19220844700
0110			Plan	COCOSL 00110	I162201	0209500719	P218319 110		0	1161.50200000000	1161.00000000000	2	-12.19220844700
0111			Crown Rese	COCOSL 00111	I693865	LR0310200243	COCOSL 00111		0	1078.34200000000	1078.00000000000	2	-12.19196223700

LOCNO	PURPOSE	ADDRESSTYP	TENURE	SURVEY	DOCNO	CT	PIPARCEL	ZONING	PLAN	CALC_AREA	LEGAL_AREA	USA(	CENTLAT
0111			Crown Rese	COCOSL 00111	I693865	LR0310200243	P218319 111		0	1078.34200000000	1078.00000000000	2	-12.19196223700
0112			Plan	COCOSL 00112	I908787	0255800276	COCOSL 00112		0	1041.70700000000	1042.00000000000	2	-12.19174586800
0112			Plan	COCOSL 00112	I908787	0255800276	P218319 112		0	1041.70700000000	1042.00000000000	2	-12.19174586800
0113			Plan	COCOSL 00113	I159138	0221400431	COCOSL 00113		0	1023.78300000000	1024.00000000000	2	-12.19153347200
0113			Plan	COCOSL 00113	I159138	0221400431	P218319 113		0	1023.78300000000	1024.00000000000	2	-12.19153347200
0114	GOVT REQUIREMENTS		Plan	COCOSL 00114	I693865	LR0310200246	COCOSL 00114		0	1018.22900000000	1018.00000000000	2	-12.19132276100
0114	GOVT REQUIREMENTS		Plan	COCOSL 00114	I693865	LR0310200246	P218319 114		0	1018.22900000000	1018.00000000000	2	-12.19132276100
0115			Location	COCOSL 00115	I182966	0209500720	COCOSL 00115		0	892.32400000000	892.00000000000	2	-12.19111780600
0115			Location	COCOSL 00115	I182966	0209500720	P218319 115		0	892.32400000000	892.00000000000	2	-12.19111780600
0116	GOVT REQUIREMENTS		Plan	COCOSL 00116	I693865	LR0310200248	COCOSL 00116		0	873.67700000000	874.00000000000	2	-12.19090514500
0116	GOVT REQUIREMENTS		Plan	COCOSL 00116	I693865	LR0310200248	P218319 116		0	873.67700000000	874.00000000000	2	-12.19090514500
0117			Location	COCOSL 00117	I100622	0221400429	COCOSL 00117		0	877.00700000000	877.00000000000	2	-12.19069245600
0117			Location	COCOSL 00117	I100622	0221400429	P218319 117		0	877.00700000000	877.00000000000	2	-12.19069245600
0118			Plan	COCOSL 00118	I922283	0257500823	COCOSL 00118		0	851.88000000000	852.00000000000	2	-12.19048054000
0118			Plan	COCOSL 00118	I922283	0257500823	P218319 118		0	851.88000000000	852.00000000000	2	-12.19048054000
0119	GOVT REQUIREMENTS		Location	COCOSL 00119	I693865	LR0310200251	COCOSL 00119		0	864.42500000000	864.00000000000	2	-12.19026826500
0119	GOVT REQUIREMENTS		Location	COCOSL 00119	I693865	LR0310200251	P218319 119		0	864.42500000000	864.00000000000	2	-12.19026826500
0120			Location	COCOSL 00120	J371571	0221400432	COCOSL 00120		0	797.86200000000	798.00000000000	2	-12.19006040200
0120			Location	COCOSL 00120	J371571	0221400432	P218319 120		0	797.86200000000	798.00000000000	2	-12.19006040200
0121	or	L	Location	COCOSL 00121	I921902	0208800244	COCOSL 00121		Y	917.24200000000	918.00000000000	2	-12.19120645200
0121	or	L	Location	COCOSL 00121	I921902	0208800244	P218319 121		Y	917.24200000000	918.00000000000	2	-12.19120645200
0122	or	L	Location	COCOSL 00122	G474889	0208800243	COCOSL 00122		Y	937.61100000000	938.00000000000	2	-12.19144453700
0122	or	L	Location	COCOSL 00122	G474889	0208800243	P218319 122		Y	937.61100000000	938.00000000000	2	-12.19144453700
0123		L		S036082	H291165	0214200944	COCOSL 00123			1065.08600000000	1065.00000000000	2	-12.19175492700
0123		L		S036082	H291165	0214200944	P218319 123			1065.08600000000	1065.00000000000	2	-12.19175492700
0124		L	Location	COCOSL 00124	G390001	0209500722	COCOSL 00124		0	965.70700000000	966.00000000000	2	-12.19198303000
0124		L	Location	COCOSL 00124	G390001	0209500722	P218319 124		0	965.70700000000	966.00000000000	2	-12.19198303000
0125	GOVT REQUIREMENTS		Plan	COCOSL 00125	I584705	LR0310200257	COCOSL 00125		Y	773.39000000000	773.00000000000	2	-12.19347528300
0125	GOVT REQUIREMENTS		Plan	COCOSL 00125	I584705	LR0310200257	P218313 125		Y	773.39000000000	773.00000000000	2	-12.19347528300
0126			Crown Rese	COCOSL 00126	I584705	LR0310200258	COCOSL 00126		Y	2239.61700000000	2240.00000000000	2	-12.19373968100
0126			Crown Rese	COCOSL 00126	I584705	LR0310200258	P218313 126		Y	2239.61700000000	2240.00000000000	2	-12.19373968100
0127	GOVT REQUIREMENTS	L	Plan	COCOSL 00127	I584705	LR0310200259	COCOSL 00127		0	1264.60100000000	1265.00000000000	2	-12.19265019100
0127	GOVT REQUIREMENTS	L	Plan	COCOSL 00127	I584705	LR0310200259	P218313 127		0	1264.60100000000	1265.00000000000	2	-12.19265019100
0128	GOVT REQUIREMENTS	L	Location	COCOSL 00128	I118045	LR0312600663	COCOSL 00128			991.53800000000	991.00000000000	2	-12.18998899500
0128	GOVT REQUIREMENTS	L	Location	COCOSL 00128	I118045	LR0312600663	P218319 128			991.53800000000	991.00000000000	2	-12.18998899500
0129		L	Plan	COCOSL 00129	H352009	0209500723	COCOSL 00129		0	1204.72500000000	1205.00000000000	2	-12.19293535400
0129		L	Plan	COCOSL 00129	H352009	0209500723	P218313 129		0	1204.72500000000	1205.00000000000	2	-12.19293535400
0130			Plan	COCOSL 00130	H274862	0214200954	COCOSL 00130		Air Force Road.	875.90700000000	876.00000000000	2	-12.19418208400
0130			Plan	COCOSL 00130	H274862	0214200954	P218317 130		Air Force Road.	875.90700000000	876.00000000000	2	-12.19418208400
0131	GOVT REQUIREMENTS		Plan	COCOSL 00131	I584705	LR0310200263	COCOSL 00131		0	1076.01100000000	1076.00000000000	2	-12.19403791600
0131	GOVT REQUIREMENTS		Plan	COCOSL 00131	I584705	LR0310200263	P218313 131		0	1076.01100000000	1076.00000000000	2	-12.19403791600
0132	GOVT REQUIREMENTS		Plan	COCOSL 00132	I693865	LR0310200264	COCOSL 00132		0	1366.24800000000	1366.00000000000	2	-12.19431129000
0132	GOVT REQUIREMENTS		Plan	COCOSL 00132	I693865	LR0310200264	P218317 132		0	1366.24800000000	1366.00000000000	2	-12.19431129000
0133			Location	COCOSL 00133	I296139	0222300615	COCOSL 00133		0	682.32500000000	682.00000000000	2	-12.19391120400
0133			Location	COCOSL 00133	I296139	0222300615	P218313 133		0	682.32500000000	682.00000000000	2	-12.19391120400
0134		L	Plan	COCOSL 00134	K275577	0214200934	COCOSL 00134		0	1204.80000000000	1205.00000000000	2	-12.19321436600
0134		L	Plan	COCOSL 00134	K275577	0214200934	P218313 134		0	1204.80000000000	1205.00000000000	2	-12.19321436600
0135	GOVT REQUIREMENTS	L	Plan	COCOSL 00135	I693865	LR0310200267	COCOSL 00135			1106.94400000000	1107.00000000000	2	-12.18973306900
0135	GOVT REQUIREMENTS	L	Plan	COCOSL 00135	I693865	LR0310200267	P218319 135			1106.94400000000	1107.00000000000	2	-12.18973306900
0136			Location	COCOSL 00136	H278686	0214200938	COCOSL 00136		Mecnelec Place.	972.27500000000	972.00000000000	2	-12.19217726600
0136			Location	COCOSL 00136	H278686	0214200938	P218313 136		Mecnelec Place.	972.27500000000	972.00000000000	2	-12.19217726600
0137		L	Location	COCOSL 00137	L169492	0214200935	COCOSL 00137		Y	1006.42000000000	1007.00000000000	2	-12.19188882600
0137		L	Location	COCOSL 00137	L169492	0214200935	P218319 137		Y	1006.42000000000	1007.00000000000	2	-12.19188882600
0138		L	Crown Rese	COCOSL 00138	I693866	LR0310200270	COCOSL 00138		N	1143.50300000000	1144.00000000000	2	-12.19170109300
0138		L	Crown Rese	COCOSL 00138	I693866	LR0310200270	P218319 138		N	1143.50300000000	1144.00000000000	2	-12.19170109300
0139	GOVT REQUIREMENTS	L	Plan	COCOSL 00139	I693866	LR0310200271	COCOSL 00139		Y	1804.56700000000	1805.00000000000	2	-12.19141714100
0139	GOVT REQUIREMENTS	L	Plan	COCOSL 00139	I693866	LR0310200271	P218319 139		Y	1804.56700000000	1805.00000000000	2	-12.19141714100
0140	GOVT REQUIREMENTS	L	Location	COCOSL 00140	I693866	LR0310200272	COCOSL 00140		Y	1261.53200000000	1262.00000000000	2	-12.19116651400
0140	GOVT REQUIREMENTS	L	Location	COCOSL 00140	I693866	LR0310200272	P218319 140		Y	1261.53200000000	1262.00000000000	2	-12.19116651400
0141	GOVT REQUIREMENTS		Location	COCOSL 00141	I693866	LR0310200273	COCOSL 00141			1044.20600000000	1044.00000000000	2	-12.18973423300
0141	GOVT REQUIREMENTS		Location	COCOSL 00141	I693866	LR0310200273	P218319 141			1044.20600000000	1044.00000000000	2	-12.18973423300
0142			Location	COCOSL 00142	J428962	0214200997	COCOSL 00142		Y	954.52300000000	955.00000000000	2	-12.18584061800
0142			Location	COCOSL 00142	J428962	0214200997	P218315 142		Y	954.52300000000	955.00000000000	2	-12.18584061800
0143	GOVT REQUIREMENTS		Plan	COCOSL 00143	I251070	LR0310200275	COCOSL 00143		Y	974.18600000000	974.00000000000	2	-12.18621689900
0143	GOVT REQUIREMENTS		Plan	COCOSL 00143	I251070	LR0310200275	P218315 143		Y	974.18600000000	974.00000000000	2	-12.18621689900
0144	GOVT REQUIREMENTS		Location	COCOSL 00144	I251070	LR0310200276	COCOSL 00144		Y	909.63900000000	910.00000000000	2	-12.18566694400
0144	GOVT REQUIREMENTS		Location	COCOSL 00144	I251070	LR0310200276	P218315 144		Y	909.63900000000	910.00000000000	2	-12.18566694400
0145			Location	COCOSL 00145	J726973	0221400435	COCOSL 00145		Y	960.76400000000	961.00000000000	2	-12.18606585200
0145			Location	COCOSL 00145	J726973	0221400435	P218315 145		Y	960.76400000000	961.00000000000	2	-12.18606585200
0146	GOVT REQUIREMENTS		Plan	COCOSL 00146	I251070	LR0310200278	COCOSL 00146		Y	825.50200000000	825.00000000000	2	-12.18550134200
0146	GOVT REQUIREMENTS		Plan	COCOSL 00146	I251070	LR0310200278	P218315 146		Y	825.50200000000	825.00000000000	2	-12.18550134200
0147	GOVT REQUIREMENTS		Plan	COCOSL 00147	I251070	LR0310200279	COCOSL 00147		Y	971.07800000000	971.00000000000	2	-12.18588690570
0147	GOVT REQUIREMENTS		Plan	COCOSL 00147	I251070	LR0310200279	P218315 147		Y	971.07800000000	971.00000000000	2	-12.18588690570
0148			Leasehold	COCOSL 00148	K915034	0221400437	COCOSL 00148		Y	779.46100000000	779.00000000000	2	-12.18527146400
0148			Leasehold	COCOSL 00148	K915034	0221400437	P218315 148		Y	779.46100000000	779.00000000000	2	-12.18527146400
0149			Plan	COCOSL 00149	I335141	0222300686	COCOSL 00149		Y	896.26900000000	896.00000000000	2	-12.18574326540
0149			Plan	COCOSL 00149	I335141	0222300686	P218315 149		Y	896.26900000000	896.00000000000	2	-12.18574326540
0150	GOVT REQUIREMENTS		Plan	COCOSL 00150	I251070	LR0310200282	COCOSL 00150		Y	999.61300000000	1000.00000000000	2	-12.18510570700
0150	GOVT REQUIREMENTS		Plan	COCOSL 00150	I251070	LR0310200282	P218315 150		Y	999.61300000000	1000.00000000000	2	-12.18510570700
0151			Crown Rese	COCOSL 00151	I251070	LR0310200283	COCOSL 00151		Y	945.92500000000	946.00000000000	2	-12.18559523440
0151			Crown Rese	COCOSL 00151	I251070	LR0310200283	P218315 151		Y	945.92500000000	946.00000000000	2	-12.18559523440
0152			Location	COCOSL 00152	J607334	0214200939	COCOSL 00152		Y	904.35000000000	905.00000000000	2	-12.18492688900
0152			Location	COCOSL 00152	J607334	0214200939	P218315 152		Y	904.35000000000	905.00000000000	2	-12.18492688900
0153			Crown Rese	COCOSL 00153	I251070	LR0310200285	COCOSL 00153		Y	1068.89900000000	1069.00000000000	2	-12.18543349480
0153			Crown Rese	COCOSL 00153	I251070	LR0310200285	P218315 153		Y	1068.89900000000	1069.00000000000	2	-12.18543349480
0154			Location	COCOSL 00154	J296666	0261500337	COCOSL 00154		Y	798.54900000000	799.00000000000	2	-12.18476611900
0154			Location	COCOSL 00154	J296666	0261500337	P218315 154		Y	798.54900000000	799.00000000000	2	-12.18476611900
0155	GOVT REQUIREMENTS		Plan	COCOSL 00155	I251070	LR0310200287	COCOSL 00155		0	1045.86100000000	1046.00000000000	2	-12.18526545750

LOCNO	PURPOSE	ADDRESSTYP	TENURE	SURVEY	DOCNO	CT	PIPARCEL	ZONING	PLAN	CALC_AREA	LEGAL_AREA	USA(	CENTLAT
0155	GOVT REQUIREMENTS		Plan	COCOSL 00155	I251070	LR0310200287	P218315 155		0	1045.86100000000	1046.00000000000	2	-12.18526545750
0156	GOVT REQUIREMENTS		Location	COCOSL 00156	I251070	LR0310200288	COCOSL 00156		Y	1234.53500000000	1234.00000000000	2	-12.18601195600
0156	GOVT REQUIREMENTS		Location	COCOSL 00156	I251070	LR0310200288	P218315 156		Y	1234.53500000000	1234.00000000000	2	-12.18601195600
0157			Plan	COCOSL 00157	J296665	0261500336	COCOSL 00157		Y	940.75400000000	940.00000000000	2	-12.18510395340
0157			Plan	COCOSL 00157	J296665	0261500336	P218315 157		Y	940.75400000000	940.00000000000	2	-12.18510395340
0158	GOVT REQUIREMENTS		Location	COCOSL 00158	I958158	0257300836	COCOSL 00158		Y	1183.13600000000	1183.00000000000	2	-12.18618101200
0158	GOVT REQUIREMENTS		Location	COCOSL 00158	I958158	0257300836	P218315 158		Y	1183.13600000000	1183.00000000000	2	-12.18618101200
0159			Crown Rese	COCOSL 00159	I251070	LR0310200291	COCOSL 00159		N	818.78600000000	819.00000000000	2	-12.18664135400
0159			Crown Rese	COCOSL 00159	I251070	LR0310200291	P218315 159		N	818.78600000000	819.00000000000	2	-12.18664135400
0160	por	L	Crown Rese	COCOSL 00160	I699078	LR0310200292	COCOSL 00160		Y	1400.09600000000	1400.00000000000	2	-12.18948146400
0160	por	L	Crown Rese	COCOSL 00160	I699078	LR0310200292	P218319 160		Y	1400.09600000000	1400.00000000000	2	-12.18948146400
0161			Plan	COCOSL 00161	H274696	0214200950	COCOSL 00161		N	889.18600000000	889.00000000000	2	-12.18674996100
0161			Plan	COCOSL 00161	H274696	0214200950	P218315 161		N	889.18600000000	889.00000000000	2	-12.18674996100
0162		L	Plan	COCOSL 00162	J428150	0214200942	COCOSL 00162		Air Force Road.	808.42700000000	808.00000000000	2	-12.19344846100
0162		L	Plan	COCOSL 00162	J428150	0214200942	P218313 162		Air Force Road.	808.42700000000	808.00000000000	2	-12.19344846100
0163			Location	COCOSL 00163	G482612	0209500725	COCOSL 00163		N	1174.63300000000	1174.00000000000	2	-12.18685245900
0163			Location	COCOSL 00163	G482612	0209500725	P218315 163		N	1174.63300000000	1174.00000000000	2	-12.18685245900
0164		L	Location	COCOSL 00164	J954718	0209800012	COCOSL 00164		Air Force Road.	1035.87900000000	1036.00000000000	2	-12.19365473600
0164		L	Location	COCOSL 00164	J954718	0209800012	P218313 164		Air Force Road.	1035.87900000000	1036.00000000000	2	-12.19365473600
0165			Plan	COCOSL 00165	H277058	0214200943	COCOSL 00165		Air Force Road.	696.52900000000	697.00000000000	2	-12.19449158900
0165			Plan	COCOSL 00165	H277058	0214200943	P218317 165		Air Force Road.	696.52900000000	697.00000000000	2	-12.19449158900
0166	PROTECTION OF SURVEY MARK		Plan	COCOSL 00166	G308945	LR0310200298	COCOSL 00166	FORESHORE PROTECTION AND NATURE CONSERVATION		1994.00500000000	1994.00000000000	2	-12.19546428400
0166	PROTECTION OF SURVEY MARK		Plan	COCOSL 00166	G308945	LR0310200298	P218317 166	FORESHORE PROTECTION AND NATURE CONSERVATION		1994.00500000000	1994.00000000000	2	-12.19546428400
0167	RECREATION & FORESHORE M'MENT		Plan	COCOSL 00167	G698759	LR0308100832	COCOSL 00167	FORESHORE PROTECTION AND NATURE CONSERVATION		39577.45100000000	34881.00000000000	2	-12.19585862550
0167	RECREATION & FORESHORE M'MENT		Plan	COCOSL 00167	G698759	LR0308100832	P218316 167	FORESHORE PROTECTION AND NATURE CONSERVATION		39577.45100000000	34881.00000000000	2	-12.19585862550
0168	SUB STATION		Location	COCOSL 00168	I584705	LR0310200300	COCOSL 00168			74.84000000000	75.00000000000	2	-12.19207930500
0168	SUB STATION		Location	COCOSL 00168	I584705	LR0310200300	P218313 168			74.84000000000	75.00000000000	2	-12.19207930500
0169	SCHOOL	L	Location	COCOSL 00169	G308947	LR0310200301	COCOSL 00169	PUBLIC PURPOSE - SCHOOL	School	11433.24300000000	11433.00000000000	2	-12.19041166800
0169	SCHOOL	L	Location	COCOSL 00169	G308947	LR0310200301	P218319 169	PUBLIC PURPOSE - SCHOOL	School	11433.24300000000	11433.00000000000	2	-12.19041166800
0170	RECREATION	L	Location	COCOSL 00170	G308946	LR0307900866	COCOSL 00170			6991.72100000000	6991.00000000000	2	-12.18925486200
0170	RECREATION	L	Location	COCOSL 00170	G308946	LR0307900866	P218319 170			6991.72100000000	6991.00000000000	2	-12.18925486200
0173			Plan	COCOSL 00173	I923246	0210600119	COCOSL 00173		Clunies-Ross Ave	1533.35100000000	1533.00000000000	2	-12.18897282000
0173			Plan	COCOSL 00173	I923246	0210600119	P218319 173		Clunies-Ross Ave	1533.35100000000	1533.00000000000	2	-12.18897282000
0174	old		Location	COCOSL 00174	H936247	0221400418	COCOSL 00174		Y	1757.62300000000	1758.00000000000	2	-12.18879409900
0174	old		Location	COCOSL 00174	H936247	0221400418	P218319 174		Y	1757.62300000000	1758.00000000000	2	-12.18879409900
0175	RECREATION	L	Plan	COCOSL 00175	I699078	LR0310200306	COCOSL 00175	PARKS AND RECREATION	Airforce Road.	1002.06400000000	1002.00000000000	2	-12.18868653800
0175	RECREATION	L	Plan	COCOSL 00175	I699078	LR0310200306	P218319 175	PARKS AND RECREATION	Airforce Road.	1002.06400000000	1002.00000000000	2	-12.18868653800
0176	SUB STATION	L	Plan	COCOSL 00176	I699078	LR0310200307	COCOSL 00176	PARKS AND RECREATION		129.53300000000	130.00000000000	2	-12.18888548490
0176	SUB STATION	L	Plan	COCOSL 00176	I699078	LR0310200307	P218319 176	PARKS AND RECREATION		129.53300000000	130.00000000000	2	-12.18888548490
0178			Crown Rese	COCOSL 00178	I693866	LR0310200309	COCOSL 00178		Cocus Club/Cyclone Shelter	1222.06300000000	1222.00000000000	2	-12.18797461100
0178			Crown Rese	COCOSL 00178	I693866	LR0310200309	P218318 178		Cocus Club/Cyclone Shelter	1222.06300000000	1222.00000000000	2	-12.18797461100
0179	RECREATION		Plan	COCOSL 00179	G308943	LR0310200310	COCOSL 00179			9209.94500000000	9209.00000000000	2	-12.18721829500
0179	RECREATION		Plan	COCOSL 00179	G308943	LR0310200310	P218318 179			9209.94500000000	9209.00000000000	2	-12.18721829500
0180	GOVT REQUIREMENTS		Plan	COCOSL 00180	J063281	0257500891	COCOSL 00180		The Lodge	9383.40400000000	9383.00000000000	2	-12.18773688400
0180	GOVT REQUIREMENTS		Plan	COCOSL 00180	J063281	0257500891	P218318 180		The Lodge	9383.40400000000	9383.00000000000	2	-12.18773688400
0181			Location	COCOSL 00181	G915983	0209800013	COCOSL 00181		0	726.18300000000	726.00000000000	2	-12.18884788100
0181			Location	COCOSL 00181	G915983	0209800013	P218318 181		0	726.18300000000	726.00000000000	2	-12.18884788100
0182	GOVT REQUIREMENTS		Plan	COCOSL 00182	I693866	LR0310200313	COCOSL 00182	PUBLIC PURPOSE - HOSPITAL	Hospital and Nurses' Quaters	2000.69000000000	2001.00000000000	2	-12.18916435100
0182	GOVT REQUIREMENTS		Plan	COCOSL 00182	I693866	LR0310200313	P218319 182	PUBLIC PURPOSE - HOSPITAL	Hospital and Nurses' Quaters	2000.69000000000	2001.00000000000	2	-12.18916435100
0184	10-15 years		Crown Rese	COCOSL 00184	I702117	LR0310200315	COCOSL 00184		0	15168.35400000000	15168.00000000000	2	-12.18566324600
0184	10-15 years		Crown Rese	COCOSL 00184	I702117	LR0310200315	P218318 184		0	15168.35400000000	15168.00000000000	2	-12.18566324600
0187	CHURCH SITE		Location	COCOSL 00187	H368050	LR0310200318	COCOSL 00187		Mosque	1137.35200000000	1137.00000000000	2	-12.18638980100
0187	CHURCH SITE		Location	COCOSL 00187	H368050	LR0310200318	P218318 187		Mosque	1137.35200000000	1137.00000000000	2	-12.18638980100
0188	GOVT REQUIREMENTS		Location	COCOSL 00188	I693866	LR0310200319	COCOSL 00188		0	521.61600000000	522.00000000000	2	-12.18649729700
0188	GOVT REQUIREMENTS		Location	COCOSL 00188	I693866	LR0310200319	P218318 188		0	521.61600000000	522.00000000000	2	-12.18649729700
0189			Crown Rese	COCOSL 00189	I693866	LR0310200320	COCOSL 00189		Y	568.49900000000	569.00000000000	2	-12.18656846400
0189			Crown Rese	COCOSL 00189	I693866	LR0310200320	P218318 189		Y	568.49900000000	569.00000000000	2	-12.18656846400
0190			Plan	COCOSL 00190	H926794	0209800014	COCOSL 00190			705.29200000000	705.00000000000	2	-12.18664877700
0190			Plan	COCOSL 00190	H926794	0209800014	P218318 190			705.29200000000	705.00000000000	2	-12.18664877700
0191		L	Plan	COCOSL 00191	J640291	0214200952	COCOSL 00191		Y	1048.63000000000	1049.00000000000	2	-12.19089895200
0191		L	Plan	COCOSL 00191	J640291	0214200952	P218319 191		Y	1048.63000000000	1049.00000000000	2	-12.19089895200
0192		L	Plan	COCOSL 00192	G511209	0210600120	COCOSL 00192		Y	1219.14000000000	1219.00000000000	2	-12.19224051400
0192		L	Plan	COCOSL 00192	G511209	0210600120	P218313 192		Y	1219.14000000000	1219.00000000000	2	-12.19224051400
0197	PEDESTRIAN ACCESS WAY		Plan	COCOSL 00197	G308948	LR0310200326	COCOSL 00197			164.85500000000	165.00000000000	2	-12.18597669670
0197	PEDESTRIAN ACCESS WAY		Plan	COCOSL 00197	G308948	LR0310200326	P218315 197			164.85500000000	165.00000000000	2	-12.18597669670
0198			Crown Rese	COCOSL 00198	G308954	LR0310200327	COCOSL 00198			125.80500000000	126.00000000000	2	-12.18502099530
0198			Crown Rese	COCOSL 00198	G308954	LR0310200327	P218315 198			125.80500000000	126.00000000000	2	-12.18502099530
0199			Crown Rese	COCOSL 00199	G308953	LR0310200328	COCOSL 00199			99.62500000000	100.00000000000	2	-12.18835327980
0199			Crown Rese	COCOSL 00199	G308953	LR0310200328	P218318 199			99.62500000000	100.00000000000	2	-12.18835327980
0202			Vacant Cro	COCOSL 00202	K820057	LR0300400958	COCOSL 00202		TRANSMITTER SITE	112118.34600000000	112108.00000000000	2	-12.14532863200
0202			Vacant Cro	COCOSL 00202	K820057	LR0300400958	P218218 202		TRANSMITTER SITE	112118.34600000000	112108.00000000000	2	-12.14532863200
0206			Vacant Cro	COCOSL 00206	K820057	LR0300400960	COCOSL 00206			32044.37200000000	32022.00000000000	2	-12.14342673100
0206			Vacant Cro	COCOSL 00206	K820057	LR0300400960	P218218 206			32044.37200000000	32022.00000000000	2	-12.14342673100
0207			Vacant Cro	COCOSL 00207	K820057	LR0300400962	COCOSL 00207			24283.37800000000	24285.00000000000	2	-12.14760692500
0207			Vacant Cro	COCOSL 00207	K820057	LR0300400962	P218218 207			24283.37800000000	24285.00000000000	2	-12.14760692500
0209	METEOROLOGY STATION		Plan	COCOSL 00209	I699078	LR0310200338	COCOSL 00209	SPECIAL USE - METEOROLOGICAL STATION	Bureau of Meteorology Weather Station	41171.46400000000	41198.00000000000	2	-12.18786279710
0209	METEOROLOGY STATION		Plan	COCOSL 00209	I699078	LR0310200338	P218225 209	SPECIAL USE - METEOROLOGICAL STATION	Bureau of Meteorology Weather Station	41171.46400000000	41198.00000000000	2	-12.18786279710
0221	MEMORIAL SITE		Location	COCOSL 00221	G308949	LR0310200344	COCOSL 00221	FORESHORE PROTECTION AND NATURE CONSERVATION		15.01400000000	15.00000000000	2	-12.19042694600
0221	MEMORIAL SITE		Location	COCOSL 00221	G308949	LR0310200344	P218319 221	FORESHORE PROTECTION AND NATURE CONSERVATION		15.01400000000	15.00000000000	2	-12.19042694600
0222			Crown Rese	COCOSL 00222	G308952	LR0310200345	COCOSL 00222			39.37000000000	39.00000000000	2	-12.18836367400
0222			Crown Rese	COCOSL 00222	G308952	LR0310200345	P218316 222			39.37000000000	39.00000000000	2	-12.18836367400
0313	SUB STATION		Plan	COCOSL 00313	I251070	LR0310200359	COCOSL 00313			34.98200000000	35.00000000000	2	-12.18503775800
0313	SUB STATION		Plan	COCOSL 00313	I251070	LR0310200359	P218315 313			34.98200000000	35.00000000000	2	-12.18503775800
0315			Plan	COCOSL 00315	J402480	0210600122	COCOSL 00315		Buffet Close.	1023.06800000000	1023.00000000000	2	-12.18534276700
0315			Plan	COCOSL 00315	J402480	0210600122	P218315 315		Buffet Close.	1023.06800000000	1023.00000000000	2	-12.18534276700
0316				COCOSL 00316	G308955	LR0310200361	COCOSL 00316			6759.03300000000	6758.00000000000	2	-12.18531480700
0316				COCOSL 00316	G308955	LR0310200361	P218315 316			6759.03300000000	6758.00000000000	2	-12.18531480700
0317	TELECOMMUNICATION SITE		Location	COCOSL 00317	G308951	LR0310200362	COCOSL 00317			911.43900000000	911.00000000000	2	-12.18636232500

LOCNO	PURPOSE	ADDRESSTYP	TENURE	SURVEY	DOCNO	CT	PIPARCEL	ZONING	PLAN	CALC_AREA	LEGAL_AREA	USAC	CENTLAT
0317	TELECOMMUNICATION SITE		Location	COCOSL 00317	G308951	LR0310200362	P218315 317			911.43900000000	911.00000000000	2	-12.18636232500
0319	TELECOMMUNICATION SITE		Plan	COCOSL 00319	G308950	LR0310200364	COCOSL 00319			117.51700000000	118.00000000000	2	-12.18843672900
0319	TELECOMMUNICATION SITE		Plan	COCOSL 00319	G308950	LR0310200364	P191375 319			117.51700000000	118.00000000000	2	-12.18843672900
0323			Location	COCOSL 00323	G449167	0209800015	COCOSL 00323	SPECIAL USE		1032.99300000000	1032.84100000000	2	-12.18476986900
0323			Location	COCOSL 00323	G449167	0209800015	P193057 323	SPECIAL USE		1032.99300000000	1032.84100000000	2	-12.18476986900
0326			Plan	COCOSL 00326	H041229	LR0310900985	COCOSL 00326	GENERAL RURAL		276.90500000000	277.00000000000	2	-12.17095581300
0326			Plan	COCOSL 00326	H041229	LR0310900985	P219651 326	GENERAL RURAL		276.90500000000	277.00000000000	2	-12.17095581300
0327			Vacant Cro	COCOSL 00327	H041228	LR0310900986	COCOSL 00327			208791.80300000000	211459.00000000000	2	-12.17494120400
0327			Vacant Cro	COCOSL 00327	H041228	LR0310900986	P219651 327			208791.80300000000	211459.00000000000	2	-12.17494120400
0328			Vacant Cro	COCOSL 00328	H192134	LR0309800918	COCOSL 00328			99589.13600000000	102826.00000000000	2	-12.18222591100
0328			Vacant Cro	COCOSL 00328	H192134	LR0309800918	P219652 328			99589.13600000000	102826.00000000000	2	-12.18222591100
0329			Vacant Cro	COCOSL 00329	H192134	LR0309800919	COCOSL 00329			332.94100000000	333.00000000000	2	-12.18018438500
0329			Vacant Cro	COCOSL 00329	H192134	LR0309800919	P219652 329			332.94100000000	333.00000000000	2	-12.18018438500
0331			Plan	COCOSL 00331	H506461	LR0311500959	COCOSL 00331			49875.02500000000	49875.00000000000	2	-12.16814099000
0331			Plan	COCOSL 00331	H506461	LR0311500959	P194602 331			49875.02500000000	49875.00000000000	2	-12.16814099000
0332			Vacant Cro	COCOSL 00332	H506461	LR0311500960	COCOSL 00332			49999.96600000000	50000.00000000000	2	-12.18622092300
0332			Vacant Cro	COCOSL 00332	H506461	LR0311500960	P194602 332			49999.96600000000	50000.00000000000	2	-12.18622092300
0333	r old			COCOSL 00333	I875001	LR0313100177	COCOSL 00333			89.99800000000	90.00000000000	2	-12.13837926000
0333	r old			COCOSL 00333	I875001	LR0313100177	P040839 333			89.99800000000	90.00000000000	2	-12.13837926000
0334				COCOSL 00334	I875001	LR0313100178	COCOSL 00334			10593.39600000000	7351.00000000000	2	-12.13796472700
0334				COCOSL 00334	I875001	LR0313100178	P040839 334			10593.39600000000	7351.00000000000	2	-12.13796472700
0335	r old			P042276 335	I930414	LR0313400759	P042276 335			11945.23500000000	12311.00000000000	1	-12.13752347890
0336	ion		Crown Rese	COCOSL 00336	I702117	LR0311800369	COCOSL 00336		1527.677	1233.92600000000	1235.00000000000	2	-12.18948962650
0336	ion		Crown Rese	COCOSL 00336	I702117	LR0311800369	P027316 336		1527.677	1233.92600000000	1235.00000000000	2	-12.18948962650
0337	KINDERGARTEN		Plan	COCOSL 00337	I702117	LR0311800370	COCOSL 00337	PUBLIC PURPOSE - SCHOOL	Day/Child Care Centre	1082.53700000000	1082.00000000000	2	-12.18978370000
0337	KINDERGARTEN		Plan	COCOSL 00337	I702117	LR0311800370	P027316 337	PUBLIC PURPOSE - SCHOOL	Day/Child Care Centre	1082.53700000000	1082.00000000000	2	-12.18978370000
0338	FORESHORE MANAGEMENT		Location	COCOSL 00338	I202046	LR0312900415	COCOSL 00338	FORESHORE PROTECTION AND NATURE CONSERVATION		6524.60900000000	6524.60900000000	2	-12.12133130800
0338	FORESHORE MANAGEMENT		Location	COCOSL 00338	I202046	LR0312900415	P027660 338	FORESHORE PROTECTION AND NATURE CONSERVATION		6524.60900000000	6524.60900000000	2	-12.12133130800
0339			Crown Rese	COCOSL 00339	I553518	LR0312500597	COCOSL 00339			22562.45700000000	22566.38200000000	2	-12.12041791100
0339			Crown Rese	COCOSL 00339	I553518	LR0312500597	P027660 339			22562.45700000000	22566.38200000000	2	-12.12041791100
0340				P042275 340	I921025	LR0313400762	P042275 340			1139.08600000000	1139.00000000000	1	-12.18654440540
0341				P042274 341	J029903	LR0313300400	P042274 341			985021.28300000000	985509.00000000000	1	-12.19163946330
0342				P042274 342	J029903	LR0313300401	P042274 342			55485.94200000000	82462.00000000000	1	-12.20567732000
0343				P042274 343	J029903	LR0313300402	P042274 343			1920.15600000000	1920.00000000000	1	-12.18458756320
0344				P042274 344	J029903	LR0313300403	P042274 344			3340.43700000000	3340.00000000000	1	-12.18501273990
0345				P042274 345	J029903	LR0313300404	P042274 345			4128.42800000000	4128.00000000000	1	-12.18564368160
0346				P042274 346	J029903	LR0313300405	P042274 346			42.00000000000	42.00000000000	1	-12.18599221070
0347				P042274 347	J029903	LR0313300406	P042274 347			1631.83300000000	1632.00000000000	1	-12.18612776820
0348				P042274 348	J029903	LR0313300407	P042274 348			1268.54900000000	1268.00000000000	1	-12.18821952600
0349				P042274 349	J029903	LR0313300408	P042274 349			2458.56600000000	2458.00000000000	1	-12.18847682670
0350				P042274 350	J029903	LR0313300409	P042274 350			2024.72700000000	2025.00000000000	1	-12.18819988170
0351				P042276 351	I930414	LR0313300568	P042276 351			15406.52200000000	15365.00000000000	1	-12.13733869680
0600				P052168 600	K066022	0264700273	P052168 600			1517.45500000000	1517.00000000000	1	-12.18856945440
1000		H	Plan	P027660 1000	I268597	0221400422	P027660 1000	Special Use		12610.79800000000	12612.00000000000	1	-12.12063611000
1001		H	Plan	P027660 1001	I900776	0221400423	P027660 1001	Special Use		6870.88000000000	6871.00000000000	1	-12.11951194300
1106			Plan	P030520 1106	I163747	0254900671	P030520 1106	General Useage	18500	844512.40700000000	844512.41000000000	1	-12.11703578900
1107			Plan	P030520 1107	I163747	0254900672	P030520 1107	Foreshore Protection and Nature Conservation		2005.43300000000	2000.00000000000	1	-12.11829679220
1108			Plan	P030520 1108	I163747	0254900673	P030520 1108	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	1080.52600000000	1080.52600000000	1	-12.10363772800
1109			Plan	P030520 1109	I163747	0254900674	P030520 1109	Parks and Recreation; Foreshore Protection and Nature Conservation	18500	536.89200000000	536.89400000000	1	-12.10590363600
3003				P044688 3003	J585935	LR0313600731	P044688 3003			81291.43700000000	81230.00000000000	1	-12.18365739970
3004		H		P044688 3004	J585935	0260200995	P044688 3004			624.32700000000	624.00000000000	1	-12.18483322690
3005		H		P044688 3005	J585935	0260200996	P044688 3005			835.45800000000	835.00000000000	1	-12.18455767550
3006				P044688 3006	J585935	0260200997	P044688 3006			136.15000000000	136.00000000000	1	-12.18416685820
0000							P ROAD			17426.00200000000	17426.00200000000	13	-12.20546136080
0000			Crown Rese	COCOSL 00339	I553518	LR0312500597	R 47112			22562.45700000000	22566.38200000000	3	-12.12041791100
0000				P042274 341	J029903	LR0313300400	R 47727			985021.28300000000	985509.00000000000	3	-12.19163946330
0000				COCOSL 00334	I875001	LR0313100178	R 47639			10593.39600000000	7351.00000000000	3	-12.13796472700
0000	r old			P042276 335	I930414	LR0313400759	R 47721			11945.23500000000	12311.00000000000	3	-12.13752347890
0000	METEOROLOGY STATION		Plan	COCOSL 00209	I699078	LR0310200338	R 47322	SPECIAL USE - METEOROLOGICAL STATION	Bureau of Meteorology Weather Station	41171.46400000000	41198.00000000000	3	-12.18786279710
0000				P042274 342	J029903	LR0313300401	R 47727			55485.94200000000	82462.00000000000	3	-12.20567732000
0000			Vacant Cro	COCOSL 00207	K820057	LR0300400962	V CROWN LAND			24283.37800000000	24285.00000000000	6	-12.14760692500
0000			Vacant Cro	COCOSL 00328	H192134	LR0309800918	V CROWN LAND			99589.13600000000	102826.00000000000	6	-12.18222591100
0000							P ROAD			19952.14100000000	19952.14100000000	13	-12.20117174780
0000							P ROAD			11598.00600000000	11598.00600000000	13	-12.19389631700
0000				P042274 343	J029903	LR0313300402	R 47728			1920.15600000000	1920.00000000000	3	-12.18458756320
0000				P042274 345	J029903	LR0313300404	R 47730			4128.42800000000	4128.00000000000	3	-12.18564368160
0000				P042274 344	J029903	LR0313300403	R 47729			3340.43700000000	3340.00000000000	3	-12.18501273990
0000				P042274 348	J029903	LR0313300407	R 47743			1268.54900000000	1268.00000000000	3	-12.18821952600
0000				P042274 349	J029903	LR0313300408	R 47743			2458.56600000000	2458.00000000000	3	-12.18847682670
0000				P042274 350	J029903	LR0313300409	R 47744			2024.72700000000	2025.00000000000	3	-12.18819988170
0000			Crown Rese	COCOSL 00198	G308954	LR0310200327	R 44520			125.80500000000	126.00000000000	3	-12.18502099530
0000	RECREATION & FORESHORE M'MENT		Plan	COCOSL 00167	G698759	LR0308100832	R 44516	FORESHORE PROTECTION AND NATURE CONSERVATION		39577.45100000000	34881.00000000000	3	-12.19585862550
0000	ion		Crown Rese	COCOSL 00336	I702117	LR0311800369	V CROWN LAND		1527.677	1233.92600000000	1235.00000000000	6	-12.18948962650
0000			Vacant Cro	COCOSL 00202	K820057	LR0300400958	V CROWN LAND		TRANSMITTER SITE	112118.34600000000	112108.00000000000	6	-12.14532863200
0000			Vacant Cro	COCOSL 00206	K820057	LR0300400960	V CROWN LAND			32044.37200000000	32022.00000000000	6	-12.14342673100
0000			Plan	COCOSL 00326	H041229	LR0310900985	V CROWN LAND	GENERAL RURAL		276.90500000000	277.00000000000	6	-12.17095581300
0000			Vacant Cro	COCOSL 00327	H041228	LR0310900986	V CROWN LAND			208791.80300000000	211459.00000000000	6	-12.17494120400
0000			Vacant Cro	COCOSL 00329	H192134	LR0309800919	V CROWN LAND			332.94100000000	333.00000000000	6	-12.18018438500
0000			Road				P ROAD			8247.76900000000	8241.00000000000	13	-12.11819443000
0000			Road				P ROAD			345.80600000000	346.00000000000	13	-12.11655246000
0000							P ROAD			4429.82600000000	4430.00000000000	13	-12.18473343690
0000							P ROAD			17875.39800000000	17875.39800000000	13	-12.14097736250
0000							P ROAD			10318.38800000000	10318.38800000000	13	-12.15930390900
0000							P ROAD			10590.34400000000	10590.34400000000	13	-12.14751598560
0000							P ROAD			9591.12800000000	9591.12800000000	13	-12.19438627500
0000							P ROAD			2970.33700000000	2970.33700000000	13	-12.18712460130
0000							P ROAD			2895.45600000000	2895.45600000000	13	-12.18543746070
0000							P ROAD			1407.80000000000	1407.80000000000	13	-12.18669896230

LOCNO	PURPOSE	ADDRESSTYP	TENURE	SURVEY	DOCNO	CT	PIPARCEL	ZONING	PLAN	CALC_AREA	LEGAL_AREA	USA(	CENTLAT
0000							P ROAD			306.61700000000	306.61700000000	13	-12.19232082940
0000							P ROAD			1090.23800000000	1090.23800000000	13	-12.18826325200
0000							P ROAD			9213.89500000000	9213.89500000000	13	-12.19033618390
0000							P ROAD			984.91000000000	984.91000000000	13	-12.19386365260
0000							P ROAD			1432.65000000000	1432.65000000000	13	-12.19309141220
0000							P ROAD			4526.25200000000	4526.25200000000	13	-12.18789921200
0000							P ROAD			9041.05400000000	9041.05400000000	13	-12.19148271620
0000							P ROAD			6025.34100000000	6025.34100000000	13	-12.18581340690
0000							P ROAD			440.78600000000	440.78600000000	13	-12.18539380000
0000							P ROAD			19338.18700000000	19338.18700000000	13	-12.18369425360
0000							P ROAD			12397.32300000000	12397.32300000000	13	-12.17034139950
0000							P ROAD			1864.09000000000	1864.09000000000	13	-12.18861103210
0000			Road				P ROAD			2101.07600000000	2122.00000000000	13	-12.18055664400
0000							P ROAD			3814.91300000000	3826.00000000000	13	-12.17508264340
0000			Road				P ROAD			23131.81600000000	23131.98000000000	13	-12.20290342400
0000	FORESHORE MANAGEMENT		Location	COCOSL 00338	I202046	LR0312900415	R 46883	FORESHORE PROTECTION AND NATURE CONSERVATION		6524.60900000000	6524.60900000000	3	-12.12133130800
0000	KINDERGARTEN		Plan	COCOSL 00337	I702117	LR0311800370	R 47450	PUBLIC PURPOSE - SCHOOL	Day/Child Care Centre	1082.53700000000	1082.00000000000	3	-12.18978370000
0000				P042275 340	I921025	LR0313400762	R 44518			1139.08600000000	1139.00000000000	3	-12.18654440540
0000				P042274 347	J029903	LR0313300406	R 47742			1631.83300000000	1632.00000000000	3	-12.18612776820
0000				P042274 346	J029903	LR0313300405	R 47741			42.00000000000	42.00000000000	3	-12.18599221070
0000	r old			COCOSL 00333	I875001	LR0313100177	R 47638			89.99800000000	90.00000000000	3	-12.13837926000
0000				P042276 351	I930414	LR0313300568	R 47722			15406.52200000000	15365.00000000000	3	-12.13733869680
0000				P044688 3003	J585935	LR0313600731	R 47378			81291.43700000000	81230.00000000000	3	-12.18365739970
0000	10-15 years		Crown Rese	COCOSL 00184	I702117	LR0310200315	R 47418		0	15168.35400000000	15168.00000000000	3	-12.18566324600
0000			Crown Rese	COCOSL 00189	I693866	LR0310200320	R 47376		Y	568.49900000000	569.00000000000	3	-12.18656846400
0000	GOVT REQUIREMENTS		Location	COCOSL 00188	I693866	LR0310200319	R 47375		0	521.61600000000	522.00000000000	3	-12.18649729700
0000	CHURCH SITE		Location	COCOSL 00187	H368050	LR0310200318	R 47324		Mosque	1137.35200000000	1137.00000000000	3	-12.18638980100
0000	RECREATION		Plan	COCOSL 00179	G308943	LR0310200310	R 44517			9209.94500000000	9209.00000000000	3	-12.18721829500
0000			Crown Rese	COCOSL 00199	G308953	LR0310200328	R 44521			99.62500000000	100.00000000000	3	-12.18835327980
0000			Crown Rese	COCOSL 00178	I693866	LR0310200309	R 47374		Cocus Club/Cyclone Shelter	1222.06300000000	1222.00000000000	3	-12.18797461100
0000	GOVT REQUIREMENTS		Plan	COCOSL 00182	I693866	LR0310200313	R 47342	PUBLIC PURPOSE - HOSPITAL	Hospital and Nurses' Quaters	2000.69000000000	2001.00000000000	3	-12.18916435100
0000	MEMORIAL SITE		Location	COCOSL 00221	G308949	LR0310200344	R 44526	FORESHORE PROTECTION AND NATURE CONSERVATION		15.01400000000	15.00000000000	3	-12.19042694600
0000	RECREATION	L	Plan	COCOSL 00175	I699078	LR0310200306	R 47326	PARKS AND RECREATION	Airforce Road.	1002.06400000000	1002.00000000000	3	-12.18868653800
0000	SUB STATION	L	Plan	COCOSL 00176	I699078	LR0310200307	R 47325	PARKS AND RECREATION		129.53300000000	130.00000000000	3	-12.18888548490
0000	GOVT REQUIREMENTS		Location	COCOSL 00141	I693866	LR0310200273	R 47363			1044.20600000000	1044.00000000000	3	-12.18973423300
0000	or	L	Crown Rese	COCOSL 00160	I699078	LR0310200292	R 47328		Y	1400.09600000000	1400.00000000000	3	-12.18948146400
0000	GOVT REQUIREMENTS	L	Plan	COCOSL 00135	I693865	LR0310200267	R 47359			1106.94400000000	1107.00000000000	3	-12.18973306900
0000	GOVT REQUIREMENTS	L	Location	COCOSL 00128	I118045	LR0312600663	R 47356			991.53800000000	991.00000000000	3	-12.18998899500
0000	RECREATION	L	Location	COCOSL 00170	G308946	LR0307900866	R 44514			6991.72100000000	6991.00000000000	3	-12.18925486200
0000	GOVT REQUIREMENTS		Location	COCOSL 00119	I693865	LR0310200251	R 47352		0	864.42500000000	864.00000000000	3	-12.19026826500
0000	GOVT REQUIREMENTS		Plan	COCOSL 00116	I693865	LR0310200248	R 47350		0	873.67700000000	874.00000000000	3	-12.19090514500
0000	SCHOOL	L	Location	COCOSL 00169	G308947	LR0310200301	R 44513	PUBLIC PURPOSE - SCHOOL	School	11433.24300000000	11433.00000000000	3	-12.19041166800
0000	GOVT REQUIREMENTS	L	Location	COCOSL 00140	I693866	LR0310200272	R 47362		Y	1261.53200000000	1262.00000000000	3	-12.19116651400
0000	GOVT REQUIREMENTS	L	Plan	COCOSL 00139	I693866	LR0310200271	R 47361		Y	1804.56700000000	1805.00000000000	3	-12.19141714100
0000		L	Crown Rese	COCOSL 00138	I693866	LR0310200270	R 47360		N	1143.50300000000	1144.00000000000	3	-12.19170109300
0000	GOVT REQUIREMENTS		Plan	COCOSL 00114	I693865	LR0310200246	R 47349		0	1018.22900000000	1018.00000000000	3	-12.19132276100
0000			Crown Rese	COCOSL 00111	I693865	LR0310200243	R 47347		0	1078.34200000000	1078.00000000000	3	-12.19196223700
0000	GOVT REQUIREMENTS		Plan	COCOSL 00150	I251070	LR0310200282	R 47368		Y	999.61300000000	1000.00000000000	3	-12.18510570700
0000	SUB STATION		Plan	COCOSL 00313	I251070	LR0310200359	R 47323			34.98200000000	35.00000000000	3	-12.18503775800
0000	GOVT REQUIREMENTS		Plan	COCOSL 00146	I251070	LR0310200278	R 47366		Y	825.50200000000	825.00000000000	3	-12.18550134200
0000	GOVT REQUIREMENTS		Location	COCOSL 00144	I251070	LR0310200276	R 47365		Y	909.63900000000	910.00000000000	3	-12.18566694400
0000	GOVT REQUIREMENTS		Location	COCOSL 00156	I251070	LR0310200288	R 47371		Y	1234.53500000000	1234.00000000000	3	-12.18601195600
0000				COCOSL 00316	G308955	LR0310200361	R 44523			6759.03300000000	6758.00000000000	3	-12.18531480700
0000	TELECOMMUNICATION SITE		Location	COCOSL 00317	G308951	LR0310200362	R 44524			911.43900000000	911.00000000000	3	-12.18636232500
0000	GOVT REQUIREMENTS		Plan	COCOSL 00143	I251070	LR0310200275	R 47364		Y	974.18600000000	974.00000000000	3	-12.18621689900
0000	PEDESTRIAN ACCESS WAY		Plan	COCOSL 00197	G308948	LR0310200326	R 44519			164.85500000000	165.00000000000	3	-12.18597669670
0000	GOVT REQUIREMENTS		Plan	COCOSL 00147	I251070	LR0310200279	R 47367		Y	971.07800000000	971.00000000000	3	-12.18588690570
0000			Crown Rese	COCOSL 00151	I251070	LR0310200283	R 47369		Y	945.92500000000	946.00000000000	3	-12.18559523440
0000			Crown Rese	COCOSL 00153	I251070	LR0310200285	R 47370		Y	1068.89900000000	1069.00000000000	3	-12.18543349480
0000	GOVT REQUIREMENTS		Plan	COCOSL 00155	I251070	LR0310200287	R 47417		0	1045.86100000000	1046.00000000000	3	-12.18526545750
0000			Crown Rese	COCOSL 00159	I251070	LR0310200291	R 47373		N	818.78600000000	819.00000000000	3	-12.18664135400
0000	GOVT REQUIREMENTS		Plan	COCOSL 00132	I693865	LR0310200264	R 47358		0	1366.24800000000	1366.00000000000	3	-12.19431129000
0000	PROTECTION OF SURVEY MARK		Plan	COCOSL 00166	G308945	LR0310200298	R 44515	FORESHORE PROTECTION AND NATURE CONSERVATION		1994.00500000000	1994.00000000000	3	-12.19546428400
0000	SUB STATION		Location	COCOSL 00168	I584705	LR0310200300	R 47327			74.84000000000	75.00000000000	3	-12.19207930500
0000			Crown Rese	COCOSL 00108	I584705	LR0310200240	R 47346		0	949.54400000000	950.00000000000	3	-12.19245087300
0000	GOVT REQUIREMENTS		Plan	COCOSL 00102	I584705	LR0310200234	R 47343		0	1265.37900000000	1266.00000000000	3	-12.19308748500
0000			Crown Rese	COCOSL 00103	I584705	LR0310200235	R 47344		0	802.30600000000	802.00000000000	3	-12.19332644700
0000	GOVT REQUIREMENTS		Location	COCOSL 00104	I584705	LR0310200236	R 47345		0	857.76100000000	858.00000000000	3	-12.19352604600
0000			Crown Rese	COCOSL 00126	I584705	LR0310200258	R 47354		Y	2239.61700000000	2240.00000000000	3	-12.19373968100
0000	GOVT REQUIREMENTS	L	Plan	COCOSL 00127	I584705	LR0310200259	R 47355		0	1264.60100000000	1265.00000000000	3	-12.19265019100
0000	GOVT REQUIREMENTS		Plan	COCOSL 00125	I584705	LR0310200257	R 47353		Y	773.39000000000	773.00000000000	3	-12.19347528300
0000	GOVT REQUIREMENTS		Plan	COCOSL 00131	I584705	LR0310200263	R 47357		0	1076.01100000000	1076.00000000000	3	-12.19403791600
0000			Crown Rese	COCOSL 00222	G308952	LR0310200345	R 44522			39.37000000000	39.00000000000	3	-12.18836367400
0000	TELECOMMUNICATION SITE		Plan	COCOSL 00319	G308950	LR0310200364	R 44525			117.51700000000	118.00000000000	3	-12.18843672900
0000			Vacant Cro	COCOSL 00332	H506461	LR0311500960	LGE I1506462			49999.96600000000	50000.00000000000	4	-12.18622092300
0000			Plan	COCOSL 00331	H506461	LR0311500959	LGE I1506462			49875.02500000000	49875.00000000000	4	-12.16814099000

LOCNO	CENTLONG	DATE_CREAT	DATE_MODIF	A	C	DATE_RE	DATE_BOU	P	LOT_TYPE	RESERVE_US	LGA	OWNER	MANAGEMENT	MGR_NAME	SALEDATE
0001	96.83211640900	22/09/1994	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0001	96.82571572190	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0002	96.82558460920	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0003	96.82544686510	11/05/2005	4/03/2000	CO	N	O 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0004	96.82530912330	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0005	96.82517138220	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0006	96.82503364180	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0007	96.82489590120	11/05/2005	4/03/2000	CO	N	O 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0008	96.82475192380	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0009	96.82456523720	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0010	96.82469060560	11/05/2005	4/03/2000	CO	N	O 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0011	96.82489480580	11/05/2005	4/03/2000	CO	N	M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0012	96.82505744650	11/05/2005	14/01/2009	KY	N	M 00000000	00000000	2	CROWN			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0013	96.82518746190	11/05/2005	8/02/2006	KY		M 00000000	00000000	2	CROWN			DEFENCE HOUSING AUTHORITY		Cocos (Keeling) Islands Administration	20050105
0014	96.82531963940	11/05/2005	8/02/2006	KY		M 00000000	17/09/2004	2	CROWN	PEDESTRIAN ACCESS WAY	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			19961022
0015	96.82545181690	11/05/2005	25/02/2010	KY		M 00000000	25/02/2010	2	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19971216
0016	96.82558399450	11/05/2005	8/02/2006	KY	N	M 00000000	2/02/2006	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990810
0017	96.82571617210	11/05/2005	11/03/2010	AN	Y	M 00000000	29/09/2000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20000719
0018	96.82585190020	11/05/2005	11/03/2010	AN	Y	M 00000000	29/09/2000	2	CROWN			COMMONWEALTH OF AUSTRALIA			20000719
0100	96.84971866100	22/09/1994	14/01/2009	KY	N	M 00000000	00000000	1	CROWN			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0100	96.83119503800	22/09/1994	8/02/2006	KY		M 00000000	00000000	1	CROWN			DEFENCE HOUSING AUTHORITY		Cocos (Keeling) Islands Administration	20050105
0100	96.83065878900	22/09/1994	8/02/2006	KY		M 00000000	17/09/2004	1	CROWN	PEDESTRIAN ACCESS WAY	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			19961022
0100	96.86598214800	22/09/1994	25/02/2010	KY		M 00000000	25/02/2010	1	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19971216
0100	96.83615303600	22/09/1994	8/02/2006	KY	N	M 00000000	2/02/2006	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990810
0100	96.82344486200	22/09/1994	11/03/2010	AN	Y	M 00000000	29/09/2000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20000719
0100	96.82147241600	22/09/1994	11/03/2010	AN	Y	M 00000000	29/09/2000	1	CROWN			COMMONWEALTH OF AUSTRALIA			20000719
0100	96.85584297220	22/09/1994	14/01/2009	KY	N	M 00000000	00000000	3	OTHER			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0100	96.83911392800	22/09/1994	8/02/2006	KY	N	M 00000000	2/02/2006	3	OTHER			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990810
0100	96.83061538100	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0100	96.82800891100	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0100	96.85645852560	13/09/2005	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0100	96.81982085800	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0100	96.82712617100	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0100	96.82746519200	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0100	96.82815353800	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0100	96.82721560900	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0100	96.82813287700	22/09/1994	8/02/2006	KY		M 00000000	17/09/2004	3	RESVE	PEDESTRIAN ACCESS WAY	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			19961022
0100	96.82447647600	22/09/1994	25/02/2010	KY		M 00000000	25/02/2010	3	RESVE			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19971216
0100	96.82428366600	22/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0100	96.82506961300	22/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0100	96.82369463800	22/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0100	96.82280057400	22/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0101	96.83965034400	29/09/1994	11/03/2010	CO		M 00000000	18/01/2005	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0101	96.83181843600	22/09/1994	13/09/2005	KY		M 00000000	18/01/2005	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0101	96.83181843600	22/09/1994	13/09/2005	KY		M 00000000	18/01/2005	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0102	96.88469978100	29/09/1994	11/03/2010	CO		M 00000000	13/09/2005	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0102	96.88683193300	29/09/1994	11/03/2010	CO		M 00000000	18/01/2005	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0102	96.83204745300	22/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0102	96.83204745300	22/09/1994	13/09/2005	CO		M 00000000	18/01/2005	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0103	96.83220558400	22/09/1994	11/03/2010	CO		M 00000000	00000000	1	FHOLD						
0103	96.83220558400	22/09/1994	11/03/2010	CO		M 00000000	24/06/1999	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91523523000	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91579867100	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91521935200	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91966291100	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91823923500	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91705342400	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91496717100	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91818744600	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91742998700	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91771110900	29/09/1994	13/09/2005	CO		M 00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0104	96.91807185800	29/09/1994	18/03/2004	KY		M 00000000	18/03/2004	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031119
0104	96.91801213800	29/09/1994	18/03/2004	KY		M 00000000	18/03/2004	2	CROWN	MUSEUM	SHIRE OF CHRISTMAS ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031119
0104	96.91751077600	29/09/1994	18/01/2005	KY		M 00000000	18/01/2005	2	CROWN			COMMONWEALTH OF AUSTRALIA			20040428
0104	96.91663853600	29/09/1994	18/01/2005	KY		M 00000000	18/01/2005	2	CROWN			COMMONWEALTH OF AUSTRALIA			20040428
0104	96.91557703400	29/09/1994	11/03/2010	AN	N	M 00000000	22/08/2002	2	CROWN	GARDENS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			20030630
0104	96.90236794300	29/09/1994	11/03/2010	CO		M 00000000	22/08/2002	2	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE		20020809
0104	96.90206764100	29/09/1994	8/02/2006	KY		M 00000000	2/02/2006	2	CROWN			DEFENCE HOUSING AUTHORITY		Cocos (Keeling) Islands Administration	20050105
0104	96.90209745300	29/09/1994	8/02/2006	KY		M 00000000	2/02/2006	2	CROWN			HENDER, MICHAEL CAMPBELL		Cocos (Keeling) Islands Administration	20051025
0104	96.90200502300	29/09/1994	8/02/2006	KY		M 00000000	2/02/2006	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.90192518800	29/09/1994	8/02/2006	KY		M 00000000	2/02/2006	2	CROWN			FLETCHER, ANNETTE MARIE		Cocos (Keeling) Islands Administration	20090124
0104	96.89037702400	29/09/1994	8/02/2006	KY		M 00000000	24/06/1997	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.89553993400	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			HENDERSON NOMINEES PTY LTD		Cocos (Keeling) Islands Administration	20050720
0104	96.89038659400	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.88702286300	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.89719976300	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			VERMEEREN, LAURELEA		Cocos (Keeling) Islands Administration	20050724
0104	96.89305839600	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.89400589900	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			CLUNIES-ROSS, CATHERINE MONICA		Cocos (Keeling) Islands Administration	20040319
0104	96.89131845900	29/09/1994	8/02/2006	KY		M 00000000	2/02/2006	2	CROWN			COMMONWEALTH OF AUSTRALIA			19961022
0104	96.88977072000	29/09/1994	8/02/2006	KY		M 00000000	6/01/2005	2	CROWN			COMMONWEALTH OF AUSTRALIA	AUST. T'COMMUNICATION CO	Cocos (Keeling) Islands Administration	19961022
0104	96.88806466500	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.88824447400	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			AFRICH, EDWARD IVAN		Cocos (Keeling) Islands Administration	20060315
0104	96.88753777000	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE		19961022
0104	96.88746507900	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.88732115600	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			BERTRAM, GAVIN CHARLES		Cocos (Keeling) Islands Administration	20021119
0104	96.88765970300	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.88766293700	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.88817192500	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001

LOCNO	CENTLONG	DATE_CREAT	DATE_MODIF	A	C	DATE_RE	DATE_BOU	P	LOT_TYPE	RESERVE_US	LGA	OWNER	MANAGEMENT	MGR_NAME	SALEDATE
0104	96.88845161200	29/09/1994	8/02/2006	KY	M	00000000	00000000	2	CROWN			LCL NOMINEES PTY LTD		Cocos (Keeling) Islands Administration	19970516
0104	96.88848612500	29/09/1994	8/02/2006	KY	M	00000000	00000000	2	CROWN			SMITH, JOHN ARTHUR WILLIAM		Cocos (Keeling) Islands Administration	19990910
0104	96.87905738000	22/09/1994	8/02/2006	KY	M	00000000	6/01/2005	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0104	96.87916497300	22/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			O'DONNELL, JOHN MALCOLM		Cocos (Keeling) Islands Administration	19990910
0104	96.88377094600	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91577908500	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			MASON, DENISE CHERYL		Cocos (Keeling) Islands Administration	19991101
0104	96.91369826300	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRA	Cocos (Keeling) Islands Administration	19961022
0104	96.88809450400	29/09/1994	9/10/2003	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.88756943900	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			HUGHES, JENNIFER MAE		Cocos (Keeling) Islands Administration	19990910
0104	96.88742502800	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			DIRECTOR OF NATIONAL PARKS		Cocos (Keeling) Islands Administration	20020423
0104	96.88782346100	29/09/1994	9/10/2003	KY	N	M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.88703925400	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19970624
0104	96.88991332900	29/09/1994	10/04/2002	KY	N	M 00000000	00000000	2	CROWN			THOMSON, IAN FRANCIS		Cocos (Keeling) Islands Administration	20020525
0104	96.90876096400	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.91607198200	29/09/1994	9/10/2003	KY	N	M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.91719223200	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.92007936100	29/09/1994	9/10/2003	KY	N	M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.91977887900	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.92113235500	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			WASHER, KAYE		Cocos (Keeling) Islands Administration	19991228
0104	96.92106180100	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			TUNNACLIFFE, JOHN JOSEPH		Cocos (Keeling) Islands Administration	20070702
0104	96.92029309500	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			DICKS, DILYS ELIZABETH		Cocos (Keeling) Islands Administration	20050726
0104	96.92104761900	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			TUNNACLIFFE, JOHN JOSEPH		Cocos (Keeling) Islands Administration	20060914
0104	96.92266345400	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.92252491300	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			EXGERALDTON PTY LTD		Cocos (Keeling) Islands Administration	20060711
0104	96.92588922900	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			DAVIES, TIMOTHY BRYAN		Cocos (Keeling) Islands Administration	20070823
0104	96.92300252500	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			DAVIES, TIMOTHY BRYAN		Cocos (Keeling) Islands Administration	20070823
0104	96.92475369300	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0104	96.92292128800	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			HAMMOND, JEREMY PHILIP		Cocos (Keeling) Islands Administration	20020827
0104	96.92285531800	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN	MEMORIAL	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19961022
0104	96.92253700900	29/09/1994	18/01/2005	KY		M 00000000	18/01/2005	2	CROWN			COMMONWEALTH OF AUSTRALIA		Bureau of Meteorology	20031117
0104	96.92175974100	29/09/1994	14/01/2009	KY	N	M 00000000	00000000	2	CROWN			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0104	96.92129769400	29/09/1994	14/01/2009	KY	N	M 00000000	00000000	2	CROWN			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0104	96.92068868900	29/09/1994	27/01/2005	KY		M 00000000	14/05/1997	2	CROWN	GOVERNMENT REQUIREMENTS-FEDERA	SHIRE OF CHRISTMAS ISLAND	COMMONWEALTH OF AUSTRALIA		Asset Services	20031119
0104	96.91746197500	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			ENIC COCOS KEELING ISLANDS PTY LTD		Cocos (Keeling) Islands Administration	20011014
0104	96.91484973600	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91847099500	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91988258800	29/09/1994	8/02/2006	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20000218
0104	96.92050288600	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0104	96.91951948200	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COCOS ISLANDS CO-OPERATIVE SOCIETY LTD		Cocos (Keeling) Islands Administration	20041025
0104	96.92006081000	29/09/1994	1/02/2007	KY		M 00000000	1/02/2007	2	CROWN	PEDESTRIAN ACCESS WAY	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			19961022
0104	96.91243889100	29/09/1994	1/02/2007	KY		M 00000000	1/02/2007	2	CROWN			FLYNN, ANNELIES		Cocos (Keeling) Islands Administration	19980918
0104	96.91362935700	29/09/1994	27/01/2005	KY		M 00000000	18/01/2005	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91417253400	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91445380200	29/09/1994	18/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0104	96.91259467800	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031117
0104	96.91120752500	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA			20031117
0104	96.91022492200	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			COCOS ISLANDS CO-OPERATIVE SOCIETY LTD		Cocos (Keeling) Islands Administration	20010903
0104	96.90939255000	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			BRAZIER, KERRY LEE		Cocos (Keeling) Islands Administration	20040514
0104	96.90523237700	29/09/1994	18/03/2004	KY	N	M 00000000	18/03/2004	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.90555959700	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN	POLICE	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031117
0104	96.90601538000	29/09/1994	7/01/2004	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.90768146200	29/09/1994	6/06/2002	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20020516
0104	96.90358288900	29/09/1994	27/01/2005	KY		M 00000000	18/03/2004	2	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0104	96.90724698700	12/09/1994	10/04/2002	KY	N	M 00000000	00000000	2	CROWN			JAMES, ASHLEY WILSON		Cocos (Keeling) Islands Administration	20050712
0104	96.90846146400	12/09/1994	7/01/2004	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.90749728200	12/09/1994	7/01/2004	KY	N	M 00000000	00000000	2	CROWN			CHRISTIE, GEOFFREY JAMES		Cocos (Keeling) Islands Administration	20040319
0104	96.90890124600	12/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			DIRECTOR OF NATIONAL PARKS		Cocos (Keeling) Islands Administration	20020423
0104	96.90984093100	12/09/1994	7/01/2004	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91030096100	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			BLOOMFIELD, CHRISTINE FRANCIS		Cocos (Keeling) Islands Administration	20020628
0104	96.90956181300	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRA	Cocos (Keeling) Islands Administration	19961022
0104	96.90987345800	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			AMRUCLLA PTY LTD		Cocos (Keeling) Islands Administration	20060104
0104	96.91098101600	29/09/1994	8/01/2004	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91268654900	29/09/1994	8/01/2004	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91615634500	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			GARBIN, ANTONIA		Cocos (Keeling) Islands Administration	20040519
0104	96.91435287400	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			HALL, SARAH-CHRISTINA		Cocos (Keeling) Islands Administration	19970514
0104	96.91418317900	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91501232800	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			BAVOILLOT, GEOFFREY STEVEN		Cocos (Keeling) Islands Administration	20091006
0104	96.91465377400	29/09/1994	31/12/1996	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19970204
0104	96.91528708000	29/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN			AIRSERVICES AUSTRALIA		Cocos (Keeling) Islands Administration	20020312
0104	96.91565970500	29/09/1994	7/01/2004	KY	N	M 00000000	00000000	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.91992402800	29/09/1994	10/04/2002	KY	N	M 00000000	00000000	2	CROWN			LCL NOMINEES PTY LTD		Cocos (Keeling) Islands Administration	20020701
0104	96.91406812700	29/09/1994	7/01/2004	KY	N	M 00000000	00000000	2	CROWN			ARKRIE, ROJEMAH		Cocos (Keeling) Islands Administration	20040319
0104	96.83239386300	22/09/1994	27/01/2005	KY		M 00000000	00000000	2	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0104	96.83239386300	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	2	CROWN			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRALIA		19961022
0105	96.82014187200	29/09/1994	27/01/2005	AN	N	M 00000000	18/01/2005	2	CROWN			COMMONWEALTH OF AUSTRALIA			19970416
0105	96.83267031700	22/09/1994	7/10/2003	KY	N	M 00000000	24/06/1999	2	CROWN			COMMONWEALTH OF AUSTRALIA			19990303
0105	96.83267031700	22/09/1994	27/01/2005	KY	N	M 00000000	24/06/1999	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990303
0106	96.83254099900	22/09/1994	27/01/2005	KY		M 00000000	24/06/1999	2	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990810
0106	96.83254099900	22/09/1994	11/03/2010	KY		M 00000000	00000000	2	CROWN			MIRIA PTY LTD			19990616
0107	96.83238813000	22/09/1994	11/03/2010	KY		M 00000000	00000000	1	STPLN			MIRIA PTY LTD			19990616
0107	96.83238813000	22/09/1994	31/12/1996	KY	N	M 00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19970204
0108	96.83211765100	22/09/1994	27/01/2005	KY		M 00000000	00000000	1	CROWN			AIRSERVICES AUSTRALIA		Cocos (Keeling) Islands Administration	20020312
0108	96.83211765100	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0109	96.83184739800	22/09/1994	10/04/2002	KY	N	M 00000000	00000000	1	CROWN			LCL NOMINEES PTY LTD		Cocos (Keeling) Islands Administration	20020701
0109	96.83184739800	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	1	CROWN			ARKRIE, ROJEMAH		Cocos (Keeling) Islands Administration	20040319
0110	96.83164890500	22/09/1994	27/01/2005	KY		M 00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0110	96.83164890500	22/09/1994	8/02/2006	KY		M 00000000	2/02/2006	1	CROWN			DEFENCE HOUSING AUTHORITY		Cocos (Keeling) Islands Administration	20050105
0111	96.83150715900	22/09/1994	8/02/2006	KY		M 00000000	2/02/2006	1	CROWN			HENDER, MICHAEL CAMPBELL		Cocos (Keeling) Islands Administration	20051025

LOCNO	CENTLONG	DATE_CREAT	DATE_MODI	LE	A	C	DATE_RE	DATE_BOU	P	LOT_TYPE	RESERVE_US	LGA	OWNER	MANAGEMENT	MGR_NAME	SALEDATE
0111	96.83150715900	22/09/1994	8/02/2006	KY		M	00000000	2/02/2006	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0112	96.83135849500	22/09/1994	8/02/2006	KY		M	00000000	2/02/2006	1	CROWN			FLETCHER, ANNETTE MARIE		Cocos (Keeling) Islands Administration	20090124
0112	96.83135849500	22/09/1994	8/02/2006	KY		M	00000000	24/06/1997	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0113	96.83121256200	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			HENDERSON NOMINEES PTY LTD		Cocos (Keeling) Islands Administration	20050720
0113	96.83121256200	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0114	96.83106558700	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19970624
0114	96.83106558700	22/09/1994	10/04/2002	KY	N	M	00000000	00000000	1	CROWN			THOMSON, IAN FRANCIS		Cocos (Keeling) Islands Administration	20020525
0115	96.83090201400	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0115	96.83090201400	22/09/1994	9/10/2003	KY	N	M	00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0116	96.83075589600	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0116	96.83075589600	22/09/1994	9/10/2003	KY	N	M	00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0117	96.83060975800	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0117	96.83060975800	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			WASHER, KAYE		Cocos (Keeling) Islands Administration	19991228
0118	96.83046415400	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			TUNNACLIFFE, JOHN JOSEPH		Cocos (Keeling) Islands Administration	20070702
0118	96.83046415400	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			DICKS, DILYS ELIZABETH		Cocos (Keeling) Islands Administration	20050726
0119	96.83031830200	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			TUNNACLIFFE, JOHN JOSEPH		Cocos (Keeling) Islands Administration	20060914
0119	96.83031830200	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0120	96.83017635200	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			EXGERALDTON PTY LTD		Cocos (Keeling) Islands Administration	20060711
0120	96.83017635200	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			DAVIES, TIMOTHY BRYAN		Cocos (Keeling) Islands Administration	20070823
0121	96.83179999200	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			DAVIES, TIMOTHY BRYAN		Cocos (Keeling) Islands Administration	20070823
0121	96.83179999200	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0122	96.83194515900	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			HAMMOND, JEREMY PHILIP		Cocos (Keeling) Islands Administration	20020827
0122	96.83194515900	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN	MEMORIAL	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19961022
0123	96.83211640900	22/09/1994	11/03/2010	CO		M	00000000	22/08/2002	1	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE		20020809
0123	96.83211640900	22/09/1994	11/03/2010	KY		M	00000000	00000000	1	CROWN			MIRIA PTY LTD			19990616
0124	96.83227082600	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0124	96.83227082600	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			VERMEEREN, LAURELEA		Cocos (Keeling) Islands Administration	20050724
0125	96.83278221200	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0125	96.83278221200	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			CLUNIES-ROSS, CATHERINE MONICA		Cocos (Keeling) Islands Administration	20040319
0126	96.83279583100	22/09/1994	8/02/2006	KY		M	00000000	2/02/2006	1	CROWN			COMMONWEALTH OF AUSTRALIA			19961022
0126	96.83279583100	22/09/1994	8/02/2006	KY		M	00000000	6/01/2005	1	CROWN			COMMONWEALTH OF AUSTRALIA	AUST. T'COMMUNICATION CO	Cocos (Keeling) Islands Administration	19961022
0127	96.83266081800	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0127	96.83266081800	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			AFRICH, EDWARD IVAN		Cocos (Keeling) Islands Administration	20060315
0128	96.83105072300	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE		19961022
0128	96.83105072300	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0129	96.83283695600	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			BERTRAM, GAVIN CHARLES		Cocos (Keeling) Islands Administration	20021119
0129	96.83283695600	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0130	96.83365790300	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0130	96.83365790300	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0131	96.83326732500	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			LCL NOMINEES PTY LTD		Cocos (Keeling) Islands Administration	19970516
0131	96.83326732500	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			SMITH, JOHN ARTHUR WILLIAM		Cocos (Keeling) Islands Administration	19990910
0132	96.83347539100	22/09/1994	8/02/2006	KY		M	00000000	6/01/2005	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0132	96.83347539100	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			O'DONNELL, JOHN MALCOLM		Cocos (Keeling) Islands Administration	19990910
0133	96.83348972600	22/09/1994	7/01/2004	KY	N	M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0133	96.83348972600	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			MASON, DENISE CHERYL		Cocos (Keeling) Islands Administration	19991101
0134	96.83300708500	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRA	Cocos (Keeling) Islands Administration	19961022
0134	96.83300708500	22/09/1994	9/10/2003	KY	N	M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0135	96.83089370000	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			HUGHES, JENNIFER MAE		Cocos (Keeling) Islands Administration	19990910
0135	96.83089370000	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	1	CROWN			DIRECTOR OF NATIONAL PARKS		Cocos (Keeling) Islands Administration	20020423
0136	96.83196607400	22/09/1994	9/10/2003	KY	N	M	00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0136	96.83196607400	22/09/1994	27/01/2005	KY		M	00000000	18/01/2005	1	CROWN			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRALIA		19961022
0137	96.83190434400	22/09/1994	27/01/2005	AN	N	M	00000000	18/01/2005	1	CROWN			COMMONWEALTH OF AUSTRALIA			19970416
0137	96.83190434400	22/09/1994	7/10/2003	KY	N	M	00000000	24/06/1999	1	CROWN			COMMONWEALTH OF AUSTRALIA			19990303
0138	96.83176952000	22/09/1994	11/03/2010	AN	N	M	00000000	22/08/2002	1	CROWN	GARDENS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			20030630
0138	96.83176952000	22/09/1994	18/03/2004	KY		M	00000000	18/03/2004	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031119
0139	96.83158222500	22/09/1994	18/03/2004	KY		M	00000000	18/03/2004	1	CROWN	MUSEUM	SHIRE OF CHRISTMAS ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031119
0139	96.83158222500	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0140	96.83141844600	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0140	96.83141844600	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20000218
0141	96.83022387500	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0141	96.83022387500	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COCOS ISLANDS CO-OPERATIVE SOCIETY LTD		Cocos (Keeling) Islands Administration	20041025
0142	96.82639868800	22/09/1994	1/02/2007	KY		M	00000000	1/02/2007	1	CROWN	PEDESTRIAN ACCESS WAY	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			19961022
0142	96.82639868800	22/09/1994	27/01/2005	KY	N	M	00000000	24/06/1999	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990303
0143	96.82623316700	22/09/1994	18/01/2005	KY		M	00000000	18/01/2005	1	CROWN			COMMONWEALTH OF AUSTRALIA			20040428
0143	96.82623316700	22/09/1994	18/01/2005	KY		M	00000000	18/01/2005	1	CROWN			COMMONWEALTH OF AUSTRALIA			20040428
0144	96.82613576800	22/09/1994	27/01/2005	KY		M	00000000	24/06/1999	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990810
0144	96.82613576800	22/09/1994	18/01/2005	KY		M	00000000	18/01/2005	1	CROWN			COMMONWEALTH OF AUSTRALIA		Bureau of Meteorology	20031117
0145	96.82600430900	22/09/1994	14/01/2009	KY	N	M	00000000	00000000	1	CROWN			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0145	96.82600430900	22/09/1994	14/01/2009	KY	N	M	00000000	00000000	1	CROWN			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0146	96.82589264300	22/09/1994	27/01/2005	KY		M	00000000	14/05/1997	1	CROWN	GOVERNMENT REQUIREMENTS-FEDERA	SHIRE OF CHRISTMAS ISLAND	COMMONWEALTH OF AUSTRALIA		Asset Services	20031119
0146	96.82589264300	22/09/1994	8/02/2006	KY		M	00000000	00000000	1	CROWN			ENIC COCOS KEELING ISLANDS PTY LTD		Cocos (Keeling) Islands Administration	20011014
0147	96.82573691720	22/09/1994	1/02/2007	KY		M	00000000	1/02/2007	1	CROWN			FLYNN, ANNELIES		Cocos (Keeling) Islands Administration	19980918
0147	96.82573691720	22/09/1994	27/01/2005	KY		M	00000000	18/01/2005	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0148	96.82553973300	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0148	96.82553973300	22/09/1994	18/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0149	96.82551205900	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031117
0149	96.82551205900	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA			20031117
0150	96.82528613400	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			COCOS ISLANDS CO-OPERATIVE SOCIETY LTD		Cocos (Keeling) Islands Administration	20010903
0150	96.82528613400	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			BRAZIER, KERRY LEE		Cocos (Keeling) Islands Administration	20040514
0151	96.82529369190	22/09/1994	18/03/2004	KY	N	M	00000000	18/03/2004	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0151	96.82529369190	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN	POLICE	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031117
0152	96.82501526700	22/09/1994	7/01/2004	KY	N	M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0152	96.82501526700	22/09/1994	6/06/2002	KY	N	M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20020516
0153	96.82505389730	22/09/1994	27/01/2005	KY		M	00000000	18/03/2004	1	CROWN			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0153	96.82505389730	22/09/1994	10/04/2002	KY	N	M	00000000	00000000	1	CROWN			JAMES, ASHLEY WILSON		Cocos (Keeling) Islands Administration	20050712
0154	96.82477285700	22/09/1994	7/01/2004	KY	N	M	00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0154	96.82477285700	22/09/1994	7/01/2004	KY	N	M	00000000	00000000	1	CROWN			CHRISTIE, GEOFFREY JAMES		Cocos (Keeling) Islands Administration	20040319
0155	96.82479915980	22/09/1994	27/01/2005	KY		M	00000000	00000000	1	CROWN			DIRECTOR OF NATIONAL PARKS		Cocos (Keeling) Islands Administration	20020423

LOCNO	CENTLONG	DATE_CREAT	DATE_MODIF	A	C	DATE_RE	DATE_BOU	P	LOT_TYPE	RESERVE_US	LGA	OWNER	MANAGEMENT	MGR_NAME	SALEDATE
0155	96.82479915980	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0156	96.82672327700	22/09/1994	31/12/1996	KY	N	M 00000000	00000000	1	CROWN			BLOOMFIELD, CHRISTINE FRANCIS		Cocos (Keeling) Islands Administration	20020628
0156	96.82672327700	22/09/1994	31/12/1996	KY	N	M 00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRA	Cocos (Keeling) Islands Administration	19961022
0157	96.82456134730	22/09/1994	27/01/2005	KY		M 00000000	00000000	1	CROWN			AMRUCLLA PTY LTD		Cocos (Keeling) Islands Administration	20060104
0157	96.82456134730	22/09/1994	8/01/2004	KY	N	M 00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0158	96.82698322400	22/09/1994	8/01/2004	KY	N	M 00000000	00000000	1	CROWN			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0158	96.82698322400	22/09/1994	31/12/1996	KY	N	M 00000000	00000000	1	CROWN			GARBIN, ANTONIA		Cocos (Keeling) Islands Administration	20040519
0159	96.82690159400	22/09/1994	27/01/2005	KY		M 00000000	00000000	1	CROWN			HALL, SARAH-CHRISTINA		Cocos (Keeling) Islands Administration	19970514
0159	96.82690159400	22/09/1994	27/01/2005	KY		M 00000000	00000000	1	CROWN	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0160	96.83069607100	22/09/1994	27/01/2005	KY		M 00000000	00000000	1	CROWN			BAVOILLOT, GEOFFREY STEVEN		Cocos (Keeling) Islands Administration	20091006
0160	96.83069607100	22/09/1994	18/03/2004	KY		M 00000000	18/03/2004	3	OTHER	MUSEUM	SHIRE OF CHRISTMAS ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031119
0161	96.82713172900	22/09/1994	14/01/2009	KY	N	M 00000000	00000000	3	OTHER			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0161	96.82713172900	22/09/1994	14/01/2009	KY	N	M 00000000	00000000	3	OTHER			STATE OF WA		Cocos (Keeling) Islands Administration	20090108
0162	96.83314005500	22/09/1994	7/10/2003	KY	N	M 00000000	24/06/1999	3	OTHER			COMMONWEALTH OF AUSTRALIA			19990303
0162	96.83314005500	22/09/1994	27/01/2005	KY	N	M 00000000	24/06/1999	3	OTHER			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990303
0163	96.82736915100	22/09/1994	27/01/2005	KY		M 00000000	24/06/1999	3	OTHER			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19990810
0163	96.82736915100	22/09/1994	12/08/2003	KY		M 00000000	12/08/2003	3	ROAD					Cocos (Keeling) Islands Shire	
0164	96.83321487600	22/09/1994	12/08/2003	KY		M 00000000	12/08/2003	3	ROAD					Cocos (Keeling) Islands Shire	
0164	96.83321487600	22/09/1994	8/02/2006	KY		M 00000000	2/02/2006	3	ROAD						
0165	96.83384423700	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0165	96.83384423700	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0166	96.83437045700	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0166	96.83437045700	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0167	96.83451136650	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0167	96.83451136650	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0168	96.83209640900	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0168	96.83209640900	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0169	96.83096899400	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0169	96.83096899400	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0170	96.83018864100	22/09/1994	00000000	AN	Y	M 00000000	00000000	3	ROAD						
0170	96.83018864100	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0173	96.82971102300	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0173	96.82971102300	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0174	96.83001857800	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0174	96.83001857800	22/09/1994	00000000	AN	Y	M 00000000	00000000	3	ROAD						
0175	96.83030642800	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0175	96.83030642800	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0176	96.83039641240	22/09/1994	00000000	CO		M 00000000	00000000	3	ROAD						
0176	96.83039641240	22/09/1994	25/05/2009	KY		M 00000000	24/06/1999	3	ROAD					Cocos (Keeling) Islands Shire	
0178	96.82891295100	22/09/1994	25/05/2009	KY		M 00000000	24/06/1999	3	ROAD						
0178	96.82891295100	22/09/1994	18/01/2005	CO		M 00000000	18/01/2005	3	ROAD					Cocos (Keeling) Islands Shire	
0179	96.82857298200	22/09/1994	11/03/2010	CO		M 00000000	22/08/2002	3	RESVE			COMMONWEALTH OF AUSTRALIA	SHIRE		20020809
0179	96.82857298200	22/09/1994	18/03/2004	KY		M 00000000	18/03/2004	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031119
0180	96.82807732000	22/09/1994	8/02/2006	KY		M 00000000	6/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040615
0180	96.82807732000	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0181	96.82905876500	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0181	96.82905876500	22/09/1994	18/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040428
0182	96.82916566400	22/09/1994	18/01/2005	KY		M 00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040625
0182	96.82916566400	22/09/1994	27/07/2007	KY		M 00000000	27/07/2007	3	RESVE			COMMONWEALTH OF AUSTRALIA			20060110
0184	96.82752328900	22/09/1994	27/01/2005	KY		M 00000000	14/05/1997	3	RESVE	GOVERNMENT REQUIREMENTS-FEDERA	SHIRE OF CHRISTMAS ISLAND	COMMONWEALTH OF AUSTRALIA		Asset Services	20031119
0184	96.82752328900	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0187	96.82824958900	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0187	96.82824958900	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20000218
0188	96.82806543600	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0188	96.82806543600	22/09/1994	1/02/2007	KY		M 00000000	1/02/2007	3	RESVE	PEDESTRIAN ACCESS WAY	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			19961022
0189	96.82794488600	22/09/1994	27/01/2005	KY		M 00000000	18/01/2005	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0189	96.82794488600	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0190	96.82780170500	22/09/1994	18/01/2005	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0190	96.82780170500	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031117
0191	96.83161030900	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA			20031117
0191	96.83161030900	22/09/1994	18/03/2004	KY	N	M 00000000	18/03/2004	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0192	96.83239651400	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE	POLICE	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031117
0192	96.83239651400	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0197	96.82587131270	22/09/1994	6/06/2002	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20020516
0197	96.82587131270	22/09/1994	27/01/2005	KY		M 00000000	18/03/2004	3	RESVE			COMMONWEALTH OF AUSTRALIA	SHIRE	Cocos (Keeling) Islands Administration	19961022
0198	96.82443038110	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0198	96.82443038110	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0199	96.82868943210	22/09/1994	31/12/1996	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRA	Cocos (Keeling) Islands Administration	19961022
0199	96.82868943210	22/09/1994	8/01/2004	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0202	96.81864105100	22/09/1994	8/01/2004	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0202	96.81864105100	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0206	96.81893051700	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0206	96.81893051700	22/09/1994	27/01/2005	KY		M 00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113
0207	96.81905079200	22/09/1994	8/02/2006	KY		M 00000000	2/02/2006	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0207	96.81905079200	22/09/1994	8/02/2006	KY		M 00000000	24/06/1997	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0209	96.83397475970	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0209	96.83397475970	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0221	96.83006330170	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0221	96.83006330170	22/09/1994	8/02/2006	KY		M 00000000	2/02/2006	3	RESVE			COMMONWEALTH OF AUSTRALIA			19961022
0222	96.82820509300	22/09/1994	8/02/2006	KY		M 00000000	6/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA	AUST. T'COMMUNICATION CO	Cocos (Keeling) Islands Administration	19961022
0222	96.82820509300	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0313	96.82599229500	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA	SHIRE		19961022
0313	96.82599229500	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0315	96.82605808900	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0315	96.82605808900	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0316	96.82643752500	22/09/1994	8/02/2006	KY		M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0316	96.82643752500	22/09/1994	8/02/2006	KY		M 00000000	6/01/2005	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20021001
0317	96.82645496400	22/09/1994	7/01/2004	KY	N	M 00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20031113

LOCNO	CENTLONG	DATE_CREAT	DATE_MODI	LE	A	C	DATE_RE	DATE_BOU	P	LOT_TYPE	RESERVE_US	LGA	OWNER	MANAGEMENT	MGR_NAME	SALEDATE
0317	96.82645496400	22/09/1994	31/12/1996	KY	N	M	00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRA	Cocos (Keeling) Islands Administration	19961022
0319	96.82916395800	31/12/1996	9/10/2003	KY	N	M	00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0319	96.82916395800	31/12/1996	9/10/2003	KY	N	M	00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0323	96.82724149200	7/03/1997	27/01/2005	KY		M	00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0323	96.82724149200	7/03/1997	9/10/2003	KY	N	M	00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0326	96.82126226500	24/10/1997	27/01/2005	KY		M	00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0326	96.82126226500	24/10/1997	9/10/2003	KY	N	M	00000000	00000000	3	RESVE	GOVERNMENT REQUIREMENTS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0327	96.81959826900	24/10/1997	27/01/2005	KY		M	00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0327	96.81959826900	24/10/1997	27/01/2005	KY		M	00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0328	96.82105667000	24/10/1997	27/01/2005	KY		M	00000000	00000000	3	RESVE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20030807
0328	96.82105667000	24/10/1997	27/01/2005	KY		M	00000000	00000000	3	RESVE	MEMORIAL	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	19961022
0329	96.81994348300	23/06/1999	27/01/2005	KY		M	00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA	COMMONWEALTH OF AUSTRALIA		19961022
0329	96.81994348300	23/06/1999	11/03/2010	AN	Y	M	00000000	29/09/2000	3	LEASE			COMMONWEALTH OF AUSTRALIA		Cocos (Keeling) Islands Administration	20000719
0331	96.85037986100	13/10/1999	11/03/2010	AN	Y	M	00000000	29/09/2000	3	LEASE			COMMONWEALTH OF AUSTRALIA			20000719
0331	96.85037986100	13/10/1999	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0332	96.85525546500	13/10/1999	27/01/2005	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0332	96.85525546500	13/10/1999	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0333	96.82233786000	17/02/2004	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0333	96.82233786000	17/02/2004	8/02/2006	KY		M	00000000	2/02/2006	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0334	96.82358241610	17/02/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0334	96.82358241610	17/02/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0335	96.82333978000	1/06/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			MOHINDRA, RAKESH			20040712
0336	96.82977948120	7/11/2003	8/02/2006	KY		M	00000000	00000000	1	FHOLD			MOHINDRA, RAKESH			20040712
0336	96.82977948120	7/11/2003	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0337	96.82998588000	7/11/2003	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0337	96.82998588000	7/11/2003	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0338	96.89378516200	3/07/2001	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0338	96.89378516200	3/07/2001	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0339	96.89520775600	3/07/2001	25/05/2009	KY		M	00000000	25/05/2009	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
0339	96.89520775600	3/07/2001	8/02/2006	KY		M	00000000	00000000	1	FHOLD			CHARLSTON, SHANE HUON			20060828
0340	96.82666761530	1/06/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			BAILEY, KASAMA			20040319
0341	96.83403724330	1/06/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0342	96.84317866000	1/06/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0343	96.82771114090	1/06/2004	8/02/2006	KY		M	00000000	2/02/2006	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0344	96.82799666090	1/06/2004	8/02/2006	KY		M	00000000	2/02/2006	1	FHOLD			LENG, CHEW LAI			20040319
0345	96.82837624160	1/06/2004	8/02/2006	KY		M	00000000	2/02/2006	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0346	96.82838803530	1/06/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0347	96.82867762300	1/06/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0348	96.82920098130	1/06/2004	27/07/2007	KY		M	00000000	27/07/2007	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0349	96.82944908020	1/06/2004	8/02/2006	KY		M	00000000	2/02/2006	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
0350	96.82989815430	1/06/2004	8/02/2006	KY		M	00000000	00000000	1	FHOLD			EVANS, NEIL DAVID			20080614
0351	96.82242075910	1/06/2004	8/02/2006	KY		M	00000000	2/02/2006	1	FHOLD			MARSHALL, DONNA CLAIRE			20060929
0600	96.82886050640	13/10/2006	8/02/2006	KY		M	00000000	00000000	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20060110
1000	96.89431586100	3/07/2001	8/02/2006	KY		M	00000000	2/02/2006	1	FHOLD			MENON, SREE GOVIND			20040319
1001	96.89430866500	3/07/2001	8/02/2006	KY		M	00000000	00000000	1	FHOLD			MCCONNELL, PAUL GORDON			20071219
1106	96.89943384500	12/09/1994	22/08/2002	AN	N	M	00000000	22/08/2002	1	FHOLD			COCOS KEELING ISLANDS SHIRE			20040505
1107	96.89370699280	13/05/2002	22/08/2002	AN	N	M	00000000	22/08/2002	1	FHOLD			LEIST, LLOYD CHARLES			20010824
1108	96.88706862000	12/09/1994	8/02/2006	KY		M	00000000	6/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040615
1109	96.88808860000	12/09/1994	12/08/2003	KY		M	00000000	12/08/2003	1	FHOLD			COCOS KEELING ISLANDS SHIRE			20020517
3003	96.82424531220	11/05/2005	18/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040625
3004	96.82607378770	11/05/2005	18/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040625
3005	96.82633623860	11/05/2005	27/01/2005	KY		M	00000000	18/01/2005	1	FHOLD			COMMONWEALTH OF AUSTRALIA			20040922
3006	96.82462096230	11/05/2005	1/02/2007	KY		M	00000000	1/02/2007	1	FHOLD			FLYNN, ANNA LOUISE			20070122
0000	96.84524997480	9/10/2009	00000000	CO		M	00000000	00000000	3	ROAD						
0000	96.89520775600	3/07/2001	11/03/2010	AN	N	M	00000000	22/08/2002	3	RESVE	GARDENS	SHIRE OF COCOS KEELING ISLAND	COMMONWEALTH OF AUSTRALIA			20030630
0000	96.83403724330	1/06/2004	25/05/2009	KY		M	00000000	25/05/2009	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0000	96.82358241610	17/02/2004	18/01/2005	KY		M	00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040428
0000	96.82333978000	1/06/2004	18/01/2005	KY		M	00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040625
0000	96.83397475970	22/09/1994	18/01/2005	KY		M	00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA		Bureau of Meteorology	20031117
0000	96.84317866000	1/06/2004	27/01/2005	KY		M	00000000	18/01/2005	3	RESVE			COMMONWEALTH OF AUSTRALIA			20040922
0000	96.81905079200	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82105667000	24/10/1997	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.85866985280	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.86087256810	25/05/2009	5/09/2003	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82771114090	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82837624160	1/06/2004	5/09/2003	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82799666090	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82920098130	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82944908020	1/06/2004	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82989815430	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82443038110	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83451136650	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82977948120	7/11/2003	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.81864105100	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.81893051700	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82126226500	24/10/1997	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.81959826900	24/10/1997	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.81994348300	23/06/1999	29/09/1994	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.89382959000	13/05/2002	29/09/1994	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.89360531000	13/05/2002	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82599262140	11/05/2005	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82168546710	21/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82122485240	21/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82035303040	21/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83399742810	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82897010510	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82791867140	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82818457880	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402

LOCNO	CENTLONG	DATE_CREAT	DATE_MODI	LE	A	C	DATE_RE	DATE_BOU	P	LOT_TYPE	RESERVE_US	LGA	OWNER	MANAGEMENT	MGR_NAME	SALEDATE
0000	96.83224494960	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82967060950	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83152840700	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83318292110	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83230957250	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82859973490	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83086146350	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82605096210	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82571638710	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82629960640	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82148857760	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82984241580	25/05/2009	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82030186100	24/10/1997	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82072131720	24/10/1997	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83968549300	1/07/1999	13/08/2009	CO		M	00000000	00000000	1	FHOLD			SHIRE OF COCOS KEELING ISLAND			19960402
0000	96.89378516200	3/07/2001	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82998588000	7/11/2003	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82666761530	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82867762300	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82838803530	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82233786000	17/02/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82242075910	1/06/2004	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82424531220	11/05/2005	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82752328900	22/09/1994	11/03/2010	CO		M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82794488600	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82806543600	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82824958900	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82857298200	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82868943210	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82891295100	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82916566400	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83006330170	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83030642800	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83039641240	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83022387500	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83069607100	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83089370000	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83105072300	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83018864100	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83031830200	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83075589600	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83096899400	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83141844600	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83158222500	22/09/1994	3/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0000	96.83176952000	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83106558700	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83150715900	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82528613400	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82599229500	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82589264300	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82613576800	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82672327700	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82643752500	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82645496400	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82623316700	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82587131270	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82573691720	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82529369190	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82505389730	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
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0000	96.82690159400	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83347539100	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83437045700	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83209640900	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83211765100	22/09/1994	25/09/2003	KY		M	00000000	25/09/2003	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	20020517
0000	96.83204745300	22/09/1994	12/08/2003	CO		M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	20020517
0000	96.83220558400	22/09/1994	12/08/2003	CO		M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	20020517
0000	96.83239386300	22/09/1994	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83279583100	22/09/1994	5/09/2003	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83266081800	22/09/1994	5/09/2003	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83278221200	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.83326732500	22/09/1994	4/03/2000	CC	N	O	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.82820509300	22/09/1994	13/08/2009	CO		M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0000	96.82916395800	31/12/1996	3/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE			19960402
0000	96.85525546500	13/10/1999	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402
0000	96.85037986100	13/10/1999	4/03/2000	CC	N	M	00000000	00000000	1	FHOLD			COCOS KEELING ISLANDS SHIRE		Cocos (Keeling) Islands Shire	19960402

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0149		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN							
0150		Z		R									
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0151		S	LSD	R									
0151		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN							
0152		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN							
0152		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN							
0153		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN							
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0154		P		R									
0155		Z		R									

LOCNO	PURCHASEPR	GPRPFX	GPRSFX	REGION	POSTCODE	LOCAL
0155		S	LSD	R		
0156		P		R		
0156		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0157		Z		R	6799	WEST ISLAND COCOS (KEELIN
0157		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0158		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0158		P		R	6799	WEST ISLAND COCOS (KEELIN
0159		P		R	6799	WEST ISLAND COCOS (KEELIN
0159		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0160		P		R	6799	WEST ISLAND COCOS (KEELIN
0160		C		T		
0161		S	LSD	R		
0161		S	LSD	R		
0162		C		R		
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0180		S	LSD	R		
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0181		S	LSD	R		
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0190		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0191		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0191		S	LSD	R		
0192		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0192		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0197		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
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0198		S	LSD	R		
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0202		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
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0206		S	LSD	R		
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LOCNO	PURCHASEPR	GPRPFX	GPRSFX	REGION	POSTCODE	LOCAL
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0326		S	LSD	R		
0326		S	LSD	R		
0327		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0327		S	LSD	R		
0328		S	LSD	R		
0328		S	LSD	R		
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0329		C		R		
0331		C		R		
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0332		S	LSD	R		
0333		S	LSD	R		
0333		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0334		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0334		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0335		P		R	6799	WEST ISLAND COCOS (KEELIN
0336		P		R	6799	WEST ISLAND COCOS (KEELIN
0336		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
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0337		S	LSD	R		
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0339		S	LSD	R		
0339		P		R	6799	WEST ISLAND COCOS (KEELIN
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0341		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0342		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0343		C	PLV	R	6799	WEST ISLAND COCOS (KEELIN
0344		P		R	6799	WEST ISLAND COCOS (KEELIN
0345		C	PLV	R	6799	WEST ISLAND COCOS (KEELIN
0346		C	PAW	R		
0347		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
0348		S	LSD	R		
0349		S	LSD	R	6799	WEST ISLAND COCOS (KEELIN
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1107		P		T	6799	HOME ISLAND COCOS (KEELIN
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LOTNC	Pin	PLAN	PURPOSE	DIAGRAM	SURVEY		Centlat	Centlong	Calc_area
0001	11204434	HOUSE 117		JALAN BUNGA MAWAR	P018504	1	-12.11772985000	96.89449223000	716.93000000000
0001	11204487	HOUSE 161		JALAN BUNGA KANGKONG			-12.11747180000	96.89618305000	463.49600000000
0001	11204532	HOUSE 168		JALAN BUNGA KANGKONG			-12.11871427000	96.89637679000	448.06000000000
0002	11204435	HOUSE 122		JALAN BUNGA MAWAR	P018504	2	-12.11871069000	96.89465232000	380.42200000000
0002	11204486	HOUSE 155		JALAN BUNGA KANGKONG			-12.11650479000	96.89603187000	241.40400000000
0002	11204533	HOUSE 175		JALAN BUNGA KANGKONG			-12.11965051000	96.89651961000	221.60700000000
0018	11204599	19715			P019715	18	-12.11678323000	96.89461380000	3613.82700000000
0025	11203797				P018530	25	-12.18166676000	96.82273211000	23037.33500000000
0027	11203795	18529			P018529	27	-12.16249802000	96.83054423000	28716.62400000000
0029	11203799	18531			P018531	29	-12.20612670640	96.84679936230	74545.05400000000
0030	11203788	18528			P018528	30	-12.19310122000	96.85983904000	3281.55600000000
0033	11203786	RAAF RECEIVER SITE		18523	P018523	33	-12.19945649000	96.85825777000	180539.16200000000
0038	11204539	1200.043		NURSES HOUSE	P018511	38	-12.11646893000	96.89730316000	1200.05600000000
0039	11204541	Medical Centre		JALAN MASJID	P018512	39	-12.11681617000	96.89822765000	2599.85300000000
0040	11204543	18513			P018513	40	-12.11828638000	96.90194019000	653.36300000000
0041	11204545	PRIMARY SCHOOL		18514	P018514	41	-12.11850036000	96.89782034000	10540.88500000000
0043	11203766	18524			P018518	43	-12.15732921000	96.82376791000	14638.20700000000
0043	11203767	18524			P018518	43	-12.15819768000	96.82372013000	7941.30500000000
0001	11204608	1047.12		Co-op building. JALAN MELATI	P019715	1	-12.11618071000	96.89399122000	298.48300000000
0101	11204410	HOUSE 101		JALAN PANTAI	P018504	101	-12.11729769000	96.89411666000	1013.70800000000
0102	11204411	HOUSE 102	GOVT REQUIREMENTS	JALAN PANTAI	P018504	102	-12.11743909000	96.89413490000	867.87600000000
0103	11204412	HOUSE 103	GOVT REQUIREMENTS	JALAN PANTAI	P018504	103	-12.11757124000	96.89416618000	922.29500000000
0104	11204413	HOUSE 104	GOVT REQUIREMENTS	JALAN PANTAI	P018504	104	-12.11770785000	96.89418520000	896.82700000000
0105	11204414	HOUSE 105		JALAN PANTAI	P018504	105	-12.11784449000	96.89420761000	929.98300000000
0106	11204415	HOUSE 106		JALAN PANTAI	P018504	106	-12.11798399000	96.89422939000	932.06100000000
0107	11204416	HOUSE 107		JALAN PANTAI	P018504	107	-12.11812157000	96.89425140000	904.35400000000
0108	11204417	HOUSE 108	GOVT REQUIREMENTS	JALAN PANTAI	P018504	108	-12.11825904000	96.89427400000	931.20400000000
0109	11204418	HOUSE 109		JALAN PANTAI	P018504	109	-12.11853989000	96.89431770000	964.56200000000
0110	11204419	HOUSE 110		JALAN PANTAI	P018504	110	-12.11868172000	96.89434449000	933.64200000000
0111	11204420	HOUSE 111	GOVT REQUIREMENTS	JALAN PANTAI	P018504	111	-12.11882173000	96.89436766000	935.20400000000
0112	11204421	HOUSE 112		JALAN PANTAI	P018504	112	-12.11896913000	96.89438997000	1030.03500000000
0113	11204422	house 113		JALAN BUNGA MAWAR	P018504	113	-12.11720462000	96.89471383000	1014.72000000000
0114	11204423	house 114	GOVT REQUIREMENTS	JALAN BUNGA MAWAR	P018504	114	-12.11734498000	96.89474186000	904.14700000000
0115	11204424	HOUSE 115		JALAN BUNGA MAWAR	P018504	115	-12.11747815000	96.89475863000	890.53100000000
0116	11204425	HOUSE 116	GOVT REQUIREMENTS	JALAN BUNGA MAWAR	P018504	116	-12.11761159000	96.89478265000	917.52700000000
0117	11204426	HOUSE 117		JALAN BUNGA MAWAR	P018504	117	-12.11775326000	96.89480278000	986.22000000000
0118	11204427	HOUSE 118		JALAN BUNGA MAWAR	P018504	118	-12.11789437000	96.89482207000	903.24400000000
0119	11204428	HOUSE 119	GOVT REQUIREMENTS	JALAN BUNGA MAWAR	P018504	119	-12.11802973000	96.89484516000	913.07600000000
0120	11204429	HOUSE 120		JALAN BUNGA MAWAR	P018504	120	-12.11816778000	96.89486717000	930.93100000000
0121	11204430	HOUSE 121		JALAN BUNGA MAWAR	P018504	121	-12.11844795000	96.89491272000	955.73100000000
0122	11204431	HOUSE 122		JALAN BUNGA MAWAR	P018504	122	-12.11859047000	96.89493094000	920.54800000000
0123	11204432	HOUSE 123		JALAN BUNGA MAWAR	P018504	123	-12.11872928000	96.89495511000	911.58200000000
0124	11204433	HOUSE 124		JALAN BUNGA MAWAR	P018504	124	-12.11887669000	96.89498123000	1026.89600000000
0125	11204492	HOUSE 125	GOVT REQUIREMENTS	JALAN KIPAS	P018506	125	-12.11921139000	96.89546499000	784.88800000000
0126	11204493	HOUSE 126	GOVT REQUIREMENTS	JALAN KIPAS	P018506	126	-12.11919400000	96.89560959000	800.01000000000
0127	11204494	HOUSE 127	GOVT REQUIREMENTS	JALAN KIPAS	P018506	127	-12.11916526000	96.89574569000	713.29100000000
0128	11204495	HOUSE 128	GOVT REQUIREMENTS	JALAN KIPAS	P018506	128	-12.11914833000	96.89587964000	755.98400000000
0129	11204446	HOUSE 129		JALAN KEMBANG MOLOK	P018505	129	-12.11633105000	96.89578976000	720.72700000000
0130	11204447	HOUSE 130		JALAN KEMBANG MOLOK	P018505	130	-12.11647222000	96.89580949000	638.88000000000
0131	11204448	HOUSE 131	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018505	131	-12.11661071000	96.89583115000	693.41200000000
0132	11204449	HOUSE 132	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018505	132	-12.11675560000	96.89585113000	690.93300000000
0133	11204450	HOUSE 133		JALAN KEMBANG MOLOK	P018505	133	-12.11701927000	96.89589415000	687.52000000000
0134	11204451	HOUSE 134		JALAN KEMBANG MOLOK	P018505	134	-12.11715590000	96.89591378000	634.36500000000
0135	11204452	HOUSE 135	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018505	135	-12.11729175000	96.89593516000	685.41500000000
0136	11204453	HOUSE 136		JALAN KEMBANG MOLOK	P018505	136	-12.11743105000	96.89595758000	671.62300000000
0137	11204454	HOUSE 137		JALAN KEMBANG MOLOK	P018505	137	-12.11756709000	96.89597834000	654.56200000000
0138	11204455	HOUSE 138	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018505	138	-12.11770364000	96.89599933000	679.42700000000
0139	11204456	HOUSE 139	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018505	139	-12.11783912000	96.89601923000	645.53000000000
0140	11204457	HOUSE 140	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018505	140	-12.11798089000	96.89604132000	745.77000000000
0141	11204496	HOUSE 141	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018506	141	-12.11826680000	96.89608738000	713.96700000000
0142	11204497	HOUSE 142		JALAN KEMBANG MOLOK	P018506	142	-12.11840765000	96.89610838000	684.90600000000
0143	11204498	HOUSE 143	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018506	143	-12.11854308000	96.89612951000	660.45500000000
0144	11204499	HOUSE 144	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018506	144	-12.11867774000	96.89614710000	671.58800000000
0145	11204500	HOUSE 145		JALAN KEMBANG MOLOK	P018506	145	-12.11881381000	96.89616949000	679.87400000000
0146	11204501	HOUSE 146	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018506	146	-12.11895172000	96.89618939000	685.01900000000
0147	11204502	HOUSE 147	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018506	147	-12.11908993000	96.89621077000	683.74500000000
0148	11204503	HOUSE 148		JALAN KEMBANG MOLOK	P018506	148	-12.11922670000	96.89623095000	668.56900000000
0149	11204504	HOUSE 149		JALAN KEMBANG MOLOK	P018506	149	-12.11947371000	96.89626769000	712.20000000000
0150	11204505	18506	GOVT REQUIREMENTS		P018506	150	-12.11961249000	96.89628935000	665.68800000000
0151	11204506	HOUSE 151	GOVT REQUIREMENTS	JALAN KEMBANG MOLOK	P018506	151	-12.11974950000	96.89631144000	702.13200000000
0152	11204507	HOUSE 152		JALAN KEMBANG MOLOK	P018506	152	-12.11989239000	96.89633586000	733.00900000000
0153	11204458	HOUSE 153	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	153	-12.11626252000	96.89622792000	743.45900000000
0154	11204459	HOUSE 154		JALAN BUNGA KANGKONG	P018505	154	-12.11640488000	96.89624833000	701.93200000000
0155	11204460	HOUSE 155	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	155	-12.11654330000	96.89626691000	709.70700000000
0156	11204461	HOUSE 156	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	156	-12.11668713000	96.89628505000	763.69000000000
0157	11204462	HOUSE 157		JALAN BUNGA KANGKONG	P018505	157	-12.11695283000	96.89632919000	728.36700000000
0158	11204463	HOUSE 158	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	158	-12.11709082000	96.89635287000	678.58600000000
0159	11204464	HOUSE 159	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	159	-12.11722514000	96.89637226000	682.24300000000
0160	11204465	house 160	POLICE STATION	JALAN BUNGA KANGKONG	P018505	160	-12.11736014000	96.89639264000	684.05800000000
0161	11204466	HOUSE 161		JALAN BUNGA KANGKONG	P018505	161	-12.11749624000	96.89641228000	688.83400000000
0162	11204467	HOUSE 162		JALAN BUNGA KANGKONG	P018505	162	-12.11763382000	96.89643659000	702.73900000000
0163	11204468	HOUSE 163		JALAN BUNGA KANGKONG	P018505	163	-12.11777155000	96.89645541000	678.71600000000

LOTNC	Pin	PLAN	PURPOSE	DIAGRAM	SURVEY		Centlat	Centlong	Calc_area
0164	11204469	HOUSE 164		JALAN BUNGA KANGKONG	P018505	164	-12.11791416000	96.89647884000	754.41200000000
0165	11204508	HOUSE 165		JALAN BUNGA KANGKONG	P018506	165	-12.11819736000	96.89652060000	686.56900000000
0166	11204509	HOUSE 166	PROTECTION OF SURVEY MARK	JALAN BUNGA KANGKONG	P018506	166	-12.11833346000	96.89654350000	670.00800000000
0167	11204510	HOUSE 167	RECREATION & FORESHORE M'MENT	JALAN BUNGA KANGKONG	P018506	167	-12.11847078000	96.89656407000	694.98200000000
0168	11204511	HOUSE 168	SUB STATION	JALAN BUNGA KANGKONG	P018506	168	-12.11860817000	96.89658482000	671.69500000000
0169	11204512	HOUSE 169	SCHOOL	JALAN BUNGA KANGKONG	P018506	169	-12.11874358000	96.89660602000	676.98000000000
0170	11204513	HOUSE 170	RECREATION	JALAN BUNGA KANGKONG	P018506	170	-12.11888166000	96.89662466000	694.37900000000
0171	11204514	HOUSE 171		JALAN BUNGA KANGKONG	P018506	171	-12.11901787000	96.89664739000	665.42500000000
0172	11204515	HOUSE 172		JALAN BUNGA KANGKONG	P018506	172	-12.11915740000	96.89666620000	721.57300000000
0173	11204516	HOUSE 173		JALAN BUNGA KANGKONG	P018506	173	-12.11940678000	96.89670329000	695.71500000000
0174	11204517	HOUSE 174		JALAN BUNGA KANGKONG	P018506	174	-12.11954269000	96.89672486000	660.85400000000
0175	11204518	HOUSE 175	RECREATION	JALAN BUNGA KANGKONG	P018506	175	-12.11967739000	96.89674633000	678.11600000000
0176	11204519	HOUSE 176	SUB STATION	JALAN BUNGA KANGKONG	P018506	176	-12.11982321000	96.89677025000	766.09100000000
0177	11204470	HOUSE 177		JALAN BUNGA KANGKONG	P018505	177	-12.11687072000	96.89687725000	742.51200000000
0178	11204471	HOUSE 178	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	178	-12.11701269000	96.89689865000	686.47400000000
0179	11204472	HOUSE 179	RECREATION	JALAN BUNGA KANGKONG	P018505	179	-12.11714910000	96.89691922000	686.47400000000
0180	11204473	HOUSE 180	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	180	-12.11728551000	96.89693978000	686.46900000000
0181	11204474	HOUSE 181		JALAN BUNGA KANGKONG	P018505	181	-12.11742189000	96.89696034000	686.26400000000
0182	11204475	HOUSE 182	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	182	-12.11755827000	96.89698090000	686.46800000000
0183	11204476	HOUSE 183		JALAN BUNGA KANGKONG	P018505	183	-12.11769466000	96.89700146000	686.23800000000
0184	11204477	HOUSE 184	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018505	184	-12.11783438000	96.89702252000	720.06900000000
0185	11204520	HOUSE 185		JALAN BUNGA KANGKONG	P018506	185	-12.11811345000	96.89706458000	693.93800000000
0186	11204521	HOUSE 186		JALAN BUNGA KANGKONG	P018506	186	-12.11825617000	96.89708610000	742.56800000000
0187	11204522	HOUSE 187	CHURCH SITE	JALAN BUNGA KANGKONG	P018506	187	-12.11839812000	96.89710750000	686.30600000000
0188	11204523	HOUSE 188	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018506	188	-12.11853449000	96.89712806000	686.30600000000
0189	11204524	HOUSE 189	GOVT REQUIREMENTS	JALAN BUNGA KANGKONG	P018506	189	-12.11867085000	96.89714862000	686.28200000000
0190	11204525	HOUSE 190		JALAN BUNGA KANGKONG	P018506	190	-12.11880723000	96.89716918000	686.28200000000
0191	11204526	HOUSE 191		JALAN BUNGA KANGKONG	P018506	191	-12.11894360000	96.89718974000	686.30500000000
0192	11204527	HOUSE 192		JALAN BUNGA KANGKONG	P018506	192	-12.11908046000	96.89721096000	692.21300000000
0193	11204528	HOUSE 193		JALAN BUNGA KANGKONG	P018506	193	-12.11932718000	96.89724758000	710.11800000000
0194	11204529	HOUSE 194		JALAN BUNGA KANGKONG	P018506	194	-12.11946828000	96.89726884000	710.14400000000
0195	11204530	HOUSE 195		JALAN BUNGA KANGKONG	P018506	195	-12.11960938000	96.89729012000	710.17900000000
0196	11204531	HOUSE 196		JALAN BUNGA KANGKONG	P018506	196	-12.11975049000	96.89731139000	710.15500000000
0197	11204478	682.03	PEDESTRIAN ACCESS WAY	Fire station	P018505	197	-12.11679012000	96.89737125000	681.98600000000
0198	11204479	18505	PEDESTRIAN ACCESS WAY		P018505	198	-12.11692874000	96.89739215000	682.23700000000
0199	11204480	18505	PEDESTRIAN ACCESS WAY		P018505	199	-12.11706736000	96.89741304000	681.99600000000
0200	11204481	18505			P018505	200	-12.11720598000	96.89743394000	682.23600000000
0201	11204482	18505			P018505	201	-12.11734460000	96.89745484000	681.98800000000
0202	11204483	18505			P018505	202	-12.11748322000	96.89747574000	682.21300000000
0203	11204484	18505			P018505	203	-12.11762185000	96.89749663000	682.01300000000
0204	11204485	18505			P018505	204	-12.11776044000	96.89751748000	681.90900000000
0207	11204406			84541	D084541	207	-12.11470276000	96.89358421000	899.99700000000
0208	11204621	19717			P019717	208	-12.11833379000	96.89883953000	17465.58800000000
0209	11204623	19717	METEOROLOGY STATION		P019717	209	-12.11960156000	96.89903054000	18660.14800000000
0210	11204622	MEDICAL CENTRE		19717	P019717	210	-12.11736884000	96.89831529000	3835.17800000000
0211	11204549	1200.069		Nurses house	P019712	211	-12.11641306000	96.89766621000	1200.04000000000
0212	11204629	19718	GOVT REQUIREMENTS		P019718	212	-12.11660795000	96.89683737000	687.14900000000
0213	11204630	19718			P019718	213	-12.11647127000	96.89681621000	685.71000000000
0214	11204631	19718			P019718	214	-12.11633459000	96.89679505000	683.45300000000
0215	11203778	AIRFORCE ROAD		18519	P018519	215	-12.19339273000	96.86057666000	3586.96700000000
0215	11204632	19718			P019718	215	-12.11619794000	96.89677387000	681.81100000000
0216	11203777	SCOUT PARK		AIRFORCE ROAD	P018519	216	-12.19868682000	96.86326016000	2396.83500000000
0216	11204633	19718			P019718	216	-12.11606128000	96.89675274000	679.75100000000
0217	11203776	18500			P018519	217	-12.20486533000	96.85077873000	33.98600000000
0217	11204634	19718			P019718	217	-12.11592459000	96.89673158000	678.36100000000
0218	11204635	19718			P019718	218	-12.11578791000	96.89671042000	676.09700000000
0219	11203791	41170.58		HORTICULTURAL BLOCK	P018520	219	-12.15278411000	96.82252435000	41170.54700000000
0219	11204636	19718			P019718	219	-12.11565124000	96.89668926000	674.65100000000
0220	11203790	Horticulture block		Mahoon Road	P018520	220	-12.15472332000	96.82264967000	27060.39300000000
0220	11204637	19718			P019718	220	-12.11573488000	96.89615182000	687.60300000000
0221	11204638	19718	MEMORIAL SITE		P019718	221	-12.11587366000	96.89617157000	691.26200000000
0222	11204639	19718	MEMORIAL SITE		P019718	222	-12.11601241000	96.89619130000	695.19400000000
0223	11203686				P018517	223	-12.14198613000	96.82028730000	59579.80400000000
0223	11204618	19716			P019716	223	-12.11857043000	96.89556951000	3041.01100000000
0224	11203668	TRANNIES BEACH		TOURIST SITE	D084545	224	-12.13977439000	96.82059986000	60955.77900000000
0224	11204617	19716			P019716	224	-12.11833275000	96.89535361000	56.84100000000
0225	11203673	TRANNIES BEACH		HEARTBREAK DRIVE	P018516	225	-12.14143423000	96.81861866000	54180.18100000000
0225	11204586	19713			P019713	225	-12.11759343000	96.89542664000	4658.59900000000
0226	11203768				P018518	226	-12.15692714000	96.82804302000	149.55200000000
0226	11203769	RUMAH BARU		WATER FRONTAGE - BOATING PURPOSES. SEE ALSO PIN 1115080 (P018518 226 IS COMPRISED	P018518	226	-12.15660118000	96.82814729000	2061.69200000000
0226	11204588	19713			P019713	226	-12.11764475000	96.89555269000	441.53200000000
0227	11203647			84542	D084542	227	-12.16190266000	96.82947999000	21015.55600000000
0227	11204587	19713			P019713	227	-12.11752154000	96.89529167000	821.92000000000
0228	11203782	18500			P018519	228	-12.20393910000	96.85239723000	71.99900000000
0228	11204589	Jalan Masjid		19713	P019713	228	-12.11667369000	96.89532175000	2660.03500000000
	11203801				COCOSL	00229	-12.13851271000	96.82322146000	6796.91700000000
	11203801				COCOSL	00229	-12.13851271000	96.82322146000	6796.91700000000
0229	11204590	JALAN BUNGA MAWAR		19713	P019713	229	-12.11647120000	96.89515235000	914.69900000000
0230	1294099				D087096	230	-12.18385157700	96.82700690500	18182.12900000000
0230	11204591	19713			P019713	230	-12.11592097000	96.89516216000	5153.51200000000
0231	11204592	19713			P019713	231	-12.11551495000	96.89528223000	1201.29300000000
0232	11204598	19715			P019715	232	-12.11685426000	96.89403772000	3428.14000000000

LOTNO	Pin	PLAN	PURPOSE	DIAGRAM	SURVEY		Centlat	Centlong	Calc_area
0233	11204578				P019712	233	-12.11959890180	96.89372961260	2449.42400000000
0234	11204616	19716			P019716	234	-12.11936846000	96.89502448000	4196.15400000000
0236	11204624	19717			P019717	236	-12.11798655000	96.89769386000	128.76800000000
0237	11204595	Y		3467.82	P019714	237	-12.11454073000	96.89424616000	3467.87000000000
0239	11204644				P019940	239	-12.11545272000	96.89355747000	1151.38200000000
0240	11204606	19715			P019715	240	-12.11544014000	96.89386765000	648.11500000000
0241	11204607	357.217		Co-op Bulk Rice Store. JALAN MELATAI/JALAN JUKON	P019715	241	-12.11544606000	96.89406245000	357.20800000000
0242	11204642	242			P019940	242	-12.11607703000	96.89379369000	2489.46800000000
0243	11204609	1093.957		Co-op hardware store. JALAN MELATI	P019715	243	-12.11575411000	96.89394705000	1093.97600000000
0244	11204611	19715			P019715	244	-12.11588111000	96.89407196000	59.23200000000
0245	11204610	1047.12		Co-op building. JALAN MELATI	P019715	245	-12.11617510000	96.89409203000	1047.10500000000
0246	11204548	19712			P019712	246	-12.11639397000	96.89390796000	254.52300000000
0247	11204600	Co-op Timber Store. JALAN MELATI/JALAN SEMPIT		19715	P019715	247	-12.11608918000	96.89440720000	669.37100000000
0248	11204601	NEW POWER STATION		19715	P019715	248	-12.11617770000	96.89470356000	1526.82200000000
0249	11204604	Plant shed / workshop. JALAN MELATI		19715	P019715	249	-12.11578907000	96.89428758000	466.61800000000
0250	11204603	Workshop. JALAN MELATI		19715	P019715	250	-12.11556149000	96.89426972000	292.32200000000
0251	11204605	Gas Bottle & Diesel Storage Shed. JALAN SEMPIT		19715	P019715	251	-12.11582478000	96.89448284000	393.80700000000
0253	11204602	19715			P019715	253	-12.11630019000	96.89441279000	909.09000000000
0254	11204673	19942			P019942	254	-12.11176109000	96.89250107000	9467.41100000000
0255	11204408			84544	D084544	255	-12.11434350000	96.89339516000	1702.69300000000
0256	11204643	19440			P019940	256	-12.11517305000	96.89362734000	3215.40300000000
0256	11204671	18500			P019941	256	-12.12039045000	96.89662308000	8936.22500000000
	11896216						-12.10781174000	96.88873189000	15557.87100000000
	11203674						-12.14323929000	96.82090890000	3620.27000000000
	11203687						-12.14111802000	96.82173024000	28465.58700000000
	11203770	18500					-12.15714465000	96.82105934000	348.98700000000
	11203771						-12.15785107000	96.82284687000	5727.91900000000
	11203772						-12.15725047000	96.82737651000	6954.05800000000
	11203773						-12.15681640000	96.82811693000	759.11300000000
	11203774						-12.15909155450	96.82893885550	7275.96400000000
	11203792	18500					-12.15386718000	96.82074524000	362.98900000000
	11203793						-12.15396020000	96.82138055000	2066.33500000000
	11203802						-12.15310987000	96.82405822000	38189.92300000000
	11203806						-12.18055664000	96.82030186000	2108.01100000000
	11203807						-12.17553785000	96.82062326000	3817.01500000000
	11203808	18500					-12.15232925000	96.82075506000	3585.26400000000
	11203809						-12.15943923000	96.82118971000	8785.06800000000
	11203810	18500					-12.15560826000	96.82092316000	3520.92100000000
	11203811	18500					-12.17554878000	96.82074904000	31309.95000000000
	11204436						-12.11835241000	96.89459205000	1933.01500000000
	11204546						-12.11855909000	96.89738721000	1237.71700000000
	11204550						-12.11595820000	96.89419298000	906.22800000000
	11204551						-12.11650975000	96.89419540000	2260.52200000000
	11204552	19712					-12.11680562000	96.90029437000	2387.41200000000
	11204553	19712					-12.11794073000	96.90179289000	1979.83700000000
	11204554						-12.11798541000	96.89693933000	12246.86700000000
	11204555						-12.11681565000	96.89635925000	8339.67300000000
	11204556						-12.11899018000	96.89516737000	2541.74600000000
	11204557						-12.11928894000	96.89534941000	554.45100000000
	11204558						-12.11946995000	96.89566927000	647.69500000000
	11204559						-12.11946090000	96.89602799000	1046.96300000000
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	11204564						-12.11852661000	96.89585035000	973.23800000000
	11204565						-12.11861416000	96.89528075000	973.93200000000
	11204566						-12.11739334000	96.89667742000	1860.24200000000
	11204567						-12.11731302000	96.89719932000	1240.20300000000
	11204568						-12.11763106000	96.89513251000	1860.76300000000
	11204569						-12.11754345000	96.89570209000	1861.06900000000
	11204570						-12.11723616000	96.89769854000	1488.23900000000
	11204571						-12.11593234000	96.89451793000	625.93600000000
	11204572						-12.11619556000	96.89490206000	2047.47000000000
	11204573	18500					-12.11622927000	96.89556129000	1790.23500000000
	11204574						-12.11617112000	96.89649320000	1835.60600000000
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	11204576						-12.11829166000	96.89387744000	8224.10100000000
	11204577						-12.11616851000	96.89599889000	1102.37700000000
	11204596						-12.11277520000	96.89206341000	12667.04700000000
	11204612						-12.11559368000	96.89380323000	528.08200000000
	11204613						-12.11595952000	96.89419293000	906.22800000000
	11204614						-12.11650083000	96.89430046000	1914.70400000000
	11204666						-12.12033961000	96.89958962000	9552.73900000000
	11204667						-12.12051885000	96.89616511000	1089.12600000000
	11204668						-12.12026871000	96.89711027000	1354.45300000000
	11204669						-12.11945566000	96.90055601000	1839.49700000000
	11204670						-12.12273220000	96.90309778000	14957.37800000000
	11204674						-12.11469833000	96.89470855000	1882.72400000000
	11204675						-12.11343269000	96.89367260000	1994.71000000000
	11204676						-12.11542745000	96.89721384000	10116.59200000000

LOTNC	Pin	Legal_area	Date_creat	Date_modif	lega_deriv	area_indic	CENTROID_C	Usage_code	Date_bound	PiTyp	PiParcel		lot_type	MGR_NAME	TENURE	Date_retir	render_nor	STNAME	STNAMESFX	AIN	NOTYP	NOFROM	NOTO	NOFROMSFX	RESERVE1
0001	11204434	717.00000000000	25/09/2003		KY		M	1		1	P018504	1	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237552	L	1	0		0
0001	11204487	464.00000000000	25/09/2003	25/09/2003	KY		M	1		1	P018505	1	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237889	L	1	0		0
0001	11204532	448.00000000000	25/09/2003	25/09/2003	KY		M	1		1	P018506	1	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237907	L	1	0		0
0002	11204435	380.00000000000	25/09/2003		KY		M	1		1	P018504	2	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237553	L	2	0		0
0002	11204486	241.00000000000	25/09/2003	25/09/2003	KY		M	1		1	P018505	2	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237890	L	2	0		0
0002	11204533	222.00000000000	25/09/2003	25/09/2003	KY		M	1		1	P018506	2	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237908	L	2	0		0
0018	11204599	3617.00000000000	25/09/2003		KY		M	1		1	P019715	18	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237696	L	18	0		0
0025	11203797	23286.00000000000	24/09/2003		KY		M	1		1	P018530	25	FHOLD		Plan		1	SYDNEY	HW	10236796	L	25	0		0
0027	11203795	29190.00000000000	24/09/2003		KY		M	1		1	P018529	27	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236795	L	27	0		0
0029	11203799	74545.00000000000	24/09/2003	5/09/2005	KY		M	1		1	P018531	29	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236797	L	29	0		0
0030	11203788	3283.00000000000	24/09/2003		KY		M	1		1	P018528	30	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236792	L	30	0		0
0033	11203786	180526.00000000000	24/09/2003		KY		M	1		1	P018523	33	FHOLD	Asset Services	Plan		1			10236791	L	33	0		0
0038	11204539	1200.00000000000	25/09/2003		KY		M	1		1	P018511	38	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237667	L	38	0		0
0039	11204541	2600.00000000000	25/09/2003		KY		M	1		1	P018512	39	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237668	L	39	0		0
0040	11204543	654.00000000000	25/09/2003		KY		M	1		1	P018513	40	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237669	L	40	0		0
0041	11204545	10540.00000000000	25/09/2003		KY		M	1		1	P018514	41	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237670	L	41	0		0
0043	11203766	14639.00000000000	24/09/2003		KY		M	1		1	P018518	43	FHOLD	Asset Services	Plan		1			0		0	0		0
0043	11203767	7941.00000000000	24/09/2003		KY		M	1		1	P018518	43	FHOLD	Asset Services	Plan		1			0		0	0		0
0001	11204608	298.00000000000	25/09/2003		KY		M	1		1	P019715	55	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237695	L	1	0		0
0101	11204410	1013.00000000000	25/09/2003		KY		M	1		1	P018504	101	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237554	L	101	0		0
0102	11204411	867.00000000000	25/09/2003		KY		M	1		1	P018504	102	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237555	L	102	0		47343
0103	11204412	922.00000000000	25/09/2003		KY		M	1		1	P018504	103	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237556	L	103	0		47344
0104	11204413	896.00000000000	25/09/2003		KY		M	1		1	P018504	104	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237557	L	104	0		47345
0105	11204414	929.00000000000	25/09/2003		KY		M	1		1	P018504	105	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237558	L	105	0		0
0106	11204415	932.00000000000	25/09/2003		KY		M	1		1	P018504	106	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237559	L	106	0		0
0107	11204416	904.00000000000	25/09/2003		KY		M	1		1	P018504	107	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237560	L	107	0		0
0108	11204417	931.00000000000	25/09/2003		KY		M	1		1	P018504	108	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237561	L	108	0		47346
0109	11204418	964.00000000000	25/09/2003		KY		M	1		1	P018504	109	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237562	L	109	0		0
0110	11204419	933.00000000000	25/09/2003		KY		M	1		1	P018504	110	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237563	L	110	0		0
0111	11204420	935.00000000000	25/09/2003		KY		M	1		1	P018504	111	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237564	L	111	0		47347
0112	11204421	1030.00000000000	25/09/2003		KY		M	1		1	P018504	112	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237565	L	112	0		0
0113	11204422	1014.00000000000	25/09/2003		KY		M	1		1	P018504	113	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237566	L	113	0		0
0114	11204423	904.00000000000	25/09/2003		KY		M	1		1	P018504	114	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237567	L	114	0		47349
0115	11204424	890.00000000000	25/09/2003		KY		M	1		1	P018504	115	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237568	L	115	0		0
0116	11204425	917.00000000000	25/09/2003		KY		M	1		1	P018504	116	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237569	L	116	0		47350
0117	11204426	986.00000000000	25/09/2003		KY		M	1		1	P018504	117	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237570	L	117	0		0
0118	11204427	903.00000000000	25/09/2003		KY		M	1		1	P018504	118	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237571	L	118	0		0
0119	11204428	913.00000000000	25/09/2003		KY		M	1		1	P018504	119	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237572	L	119	0		47352
0120	11204429	931.00000000000	25/09/2003		KY		M	1		1	P018504	120	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237573	L	120	0		0
0121	11204430	955.00000000000	25/09/2003		KY		M	1		1	P018504	121	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237574	L	121	0		0
0122	11204431	920.00000000000	25/09/2003		KY		M	1		1	P018504	122	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237575	L	122	0		0
0123	11204432	911.00000000000	25/09/2003		KY		M	1		1	P018504	123	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237576	L	123	0		0
0124	11204433	1026.00000000000	25/09/2003		KY		M	1		1	P018504	124	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237577	L	124	0		0
0125	11204492	784.00000000000	25/09/2003		KY		M	1		1	P018506	125	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237627	L	125	0		47353
0126	11204493	799.00000000000	25/09/2003		KY		M	1		1	P018506	126	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237628	L	126	0		47354
0127	11204494	713.00000000000	25/09/2003		KY		M	1		1	P018506	127	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237629	L	127	0		47355
0128	11204495	755.00000000000	25/09/2003		KY		M	1		1	P018506	128	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237630	L	128	0		47356
0129	11204446	720.00000000000	25/09/2003		KY		M	1		1	P018505	129	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237587	L	129	0		0
0130	11204447	638.00000000000	25/09/2003		KY		M	1		1	P018505	130	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237588	L	130	0		0
0131	11204448	693.00000000000	25/09/2003		KY		M	1		1	P018505	131	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237589	L	131	0		47357
0132	11204449	690.00000000000	25/09/2003		KY		M	1		1	P018505	132	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237590	L	132	0		47358
0133	11204450	687.00000000000	25/09/2003		KY		M	1		1	P018505	133	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237591	L	133	0		0
0134	11204451	634.00000000000	25/09/2003		KY		M	1		1	P018505	134	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237592	L	134	0		0
0135	11204452	685.00000000000	25/09/2003		KY		M	1		1	P018505	135	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237593	L	135	0		47359
0136	11204453	671.00000000000	25/09/2003		KY		M	1		1	P018505	136	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237594	L	136	0		0
0137	11204454	654.00000000000	25/09/2003		KY		M	1		1	P018505	137	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237595	L	137	0		0
0138	11204455	679.00000000000	25/09/2003		KY		M	1		1	P018505	138	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237596	L	138	0		47360
0139	11204456	645.00000000000	25/09/2003		KY		M	1		1	P018505	139	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237597	L	139	0		47361
0140	11204457	745.00000000000	25/09/2003		KY		M	1		1	P018505	140	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237598	L	140	0		47362
0141	11204496	714.00000000000	25/09/2003		KY		M	1		1	P018506	141	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237631	L	141	0		47363
0142	11204497	684.00000000000	25/09/2003		KY		M	1		1	P018506	142	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237632	L	142	0		0
0143	11204498	660.00000000000	25/09/2003		KY		M	1		1	P018506	143	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237633	L	143	0		47364
0144	11204499	671.00000000000	25/09/2003		KY		M	1		1	P018506	144	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237634	L	144	0		47365
0145	11204500	679.00000000000	25/09/2003		KY		M	1		1	P018506	145	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237635	L	145	0		0
0146	11204501	685.00000000000	25/09/2003		KY		M	1		1	P018506	146	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237636	L	146	0		47366
0147	11204502	683.00000000000	25/09/2003		KY		M	1		1	P018506	147	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237637	L	147	0		47367
0148	11204503	668.00000000000	25/09/2003		KY		M	1		1	P018506	148	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237638	L	148	0		0
0149	11204504	711.00000000000	25/09/2003		KY		M	1		1	P018506	149	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237639	L	149	0		0
0150	11204505	665.00000000000	25/09/2003		KY		M	1		1	P018506	150	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237640	L	150	0		47368
0151	11204506	701.00000000000	25/09/2003		KY		M	1		1	P018506	151	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237641	L	151	0		47369
0152	11204507	732.00000000000	25/09/2003		KY		M	1		1	P018506	152	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237642	L	152	0		0
0153	11204458	743.00000000000	25/09/2003		KY		M	1		1	P018505	153	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237599	L	153	0		47370
0154	11204459	701.00000000000	25/09/2003		KY		M	1		1	P018505	154	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237600	L	154	0		0
0155	11204460	709.00000000000	25/09/2003		KY		M	1		1	P018505	155	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237601	L	155	0		47417
0156	11204461	763.00000000000	25/09/2003		KY		M	1		1	P018505	156	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237602	L	156	0		47371
0157	11204462	728.00000000000	25/09/2003		KY		M	1		1	P018505	157	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237603	L	157	0		0
0158	11204463	678.00000000000	25/09/2003		KY		M	1		1	P018505	158	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237604	L	158	0		47372
0159	11204464	682.00000000000	25/09/2003		KY		M	1		1	P018505	159	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237605	L	159	0		47373
0160	11204465	684.00000000000	25/09/2003		KY		M	1		1	P018505	160	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237606	L	160	0		47328
0161	11204466	688.00000000000	25/09/2003		KY		M	1		1	P018505	161	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237607	L	161	0		0
0162	11204467	702.00000000000	25/09/2003		KY		M	1		1	P018505	162	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237608	L	162	0		0
0163	11204468	678.00000000000	25/09/2003		KY		M	1		1	P018505	163	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237609	L	163	0		0

LOTNC	Pin	Legal_area	Date_creat	Date_modif	lega_deriv	area_indic	CENTROID_C	Usage_code	Date_bound	PiTyp	PiParcel		lot_type	MGR_NAME	TENURE	Date_retir	render_nor	STNAME	STNAMESFX	AIN	NOTYP	NOFROM	NOTO	NOFROMSFX	RESERVE1
0164	11204469	754.00000000000	25/09/2003		KY		M	1		1	P018505	164	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237610	L	164	0		0
0165	11204508	687.00000000000	25/09/2003		KY		M	1		1	P018506	165	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237643	L	165	0		0
0166	11204509	669.00000000000	25/09/2003		KY		M	1		1	P018506	166	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237644	L	166	0		44515
0167	11204510	694.00000000000	25/09/2003		KY		M	1		1	P018506	167	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237645	L	167	0		44516
0168	11204511	671.00000000000	25/09/2003		KY		M	1		1	P018506	168	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237646	L	168	0		47327
0169	11204512	676.00000000000	25/09/2003		KY		M	1		1	P018506	169	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237647	L	169	0		44513
0170	11204513	694.00000000000	25/09/2003		KY		M	1		1	P018506	170	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237648	L	170	0		44514
0171	11204514	665.00000000000	25/09/2003		KY		M	1		1	P018506	171	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237649	L	171	0		0
0172	11204515	721.00000000000	25/09/2003		KY		M	1		1	P018506	172	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237650	L	172	0		0
0173	11204516	695.00000000000	25/09/2003		KY		M	1		1	P018506	173	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237651	L	173	0		0
0174	11204517	660.00000000000	25/09/2003		KY		M	1		1	P018506	174	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237652	L	174	0		0
0175	11204518	678.00000000000	25/09/2003		KY		M	1		1	P018506	175	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237653	L	175	0		47326
0176	11204519	766.00000000000	25/09/2003		KY		M	1		1	P018506	176	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237654	L	176	0		47325
0177	11204470	742.00000000000	25/09/2003		KY		M	1		1	P018505	177	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237611	L	177	0		0
0178	11204471	686.00000000000	25/09/2003		KY		M	1		1	P018505	178	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237612	L	178	0		47374
0179	11204472	686.00000000000	25/09/2003		KY		M	1		1	P018505	179	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237613	L	179	0		44517
0180	11204473	686.00000000000	25/09/2003		KY		M	1		1	P018505	180	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237614	L	180	0		47377
0181	11204474	686.00000000000	25/09/2003		KY		M	1		1	P018505	181	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237615	L	181	0		0
0182	11204475	686.00000000000	25/09/2003		KY		M	1		1	P018505	182	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237616	L	182	0		47342
0183	11204476	686.00000000000	25/09/2003		KY		M	1		1	P018505	183	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237617	L	183	0		0
0184	11204477	720.00000000000	25/09/2003		KY		M	1		1	P018505	184	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237618	L	184	0		47418
0185	11204520	694.00000000000	25/09/2003		KY		M	1		1	P018506	185	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237655	L	185	0		0
0186	11204521	742.00000000000	25/09/2003		KY		M	1		1	P018506	186	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237656	L	186	0		0
0187	11204522	686.00000000000	25/09/2003		KY		M	1		1	P018506	187	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237657	L	187	0		47324
0188	11204523	686.00000000000	25/09/2003		KY		M	1		1	P018506	188	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237658	L	188	0		47375
0189	11204524	686.00000000000	25/09/2003		KY		M	1		1	P018506	189	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237659	L	189	0		47376
0190	11204525	686.00000000000	25/09/2003		KY		M	1		1	P018506	190	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237660	L	190	0		0
0191	11204526	686.00000000000	25/09/2003		KY		M	1		1	P018506	191	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237661	L	191	0		0
0192	11204527	692.00000000000	25/09/2003		KY		M	1		1	P018506	192	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237662	L	192	0		0
0193	11204528	710.00000000000	25/09/2003		KY		M	1		1	P018506	193	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237663	L	193	0		0
0194	11204529	710.00000000000	25/09/2003		KY		M	1		1	P018506	194	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237664	L	194	0		0
0195	11204530	710.00000000000	25/09/2003		KY		M	1		1	P018506	195	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237665	L	195	0		0
0196	11204531	710.00000000000	25/09/2003		KY		M	1		1	P018506	196	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237666	L	196	0		0
0197	11204478	682.00000000000	25/09/2003		KY		M	1		1	P018505	197	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237619	L	197	0		44519
0198	11204479	682.00000000000	25/09/2003		KY		M	1		1	P018505	198	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237620	L	198	0		44520
0199	11204480	682.00000000000	25/09/2003		KY		M	1		1	P018505	199	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237621	L	199	0		44521
0200	11204481	682.00000000000	25/09/2003		KY		M	1		1	P018505	200	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237622	L	200	0		0
0201	11204482	682.00000000000	25/09/2003		KY		M	1		1	P018505	201	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237623	L	201	0		0
0202	11204483	682.00000000000	25/09/2003		KY		M	1		1	P018505	202	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237624	L	202	0		0
0203	11204484	682.00000000000	25/09/2003		KY		M	1		1	P018505	203	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237625	L	203	0		0
0204	11204485	682.00000000000	25/09/2003		KY		M	1		1	P018505	204	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237626	L	204	0		0
0207	11204406	900.00000000000	25/09/2003		KY		M	1		1	D084541	207	FHOLD	Cocos (Keeling) Islands Shire	Diagram		1			10237548	L	207	0		0
0208	11204621	17461.00000000000	25/09/2003		KY		M	1		1	P019717	208	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237712	L	208	0		0
0209	11204623	18661.00000000000	25/09/2003		KY		M	1		1	P019717	209	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237713	L	209	0		47322
0210	11204622	3835.00000000000	25/09/2003		KY		M	1		1	P019717	210	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237714	L	210	0		0
0211	11204549	1200.00000000000	25/09/2003		KY		M	1		1	P019712	211	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237671	L	211	0		0
0212	11204629	687.00000000000	25/09/2003		KY		M	1		1	P019718	212	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237716	L	212	0		47378
0213	11204630	685.00000000000	25/09/2003		KY		M	1		1	P019718	213	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237717	L	213	0		0
0214	11204631	684.00000000000	25/09/2003		KY		M	1		1	P019718	214	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237718	L	214	0		0
0215	11203778	3397.00000000000	24/09/2003		KY		M	1		1	P018519	215	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236788	L	215	0		0
0215	11204632	682.00000000000	25/09/2003		KY		M	1		1	P019718	215	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237719	L	215	0		0
0216	11203777	2400.00000000000	24/09/2003		KY		M	1		1	P018519	216	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236789	L	216	0		0
0216	11204633	680.00000000000	25/09/2003		KY		M	1		1	P019718	216	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237720	L	216	0		0
0217	11203776	34.00000000000	24/09/2003		KY		M	1		1	P018519	217	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236790	L	217	0		0
0217	11204634	678.00000000000	25/09/2003		KY		M	1		1	P019718	217	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237721	L	217	0		0
0218	11204635	676.00000000000	25/09/2003		KY		M	1		1	P019718	218	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237722	L	218	0		0
0219	11203791	41177.00000000000	24/09/2003		KY		M	1		1	P018520	219	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236793	L	219	0		0
0219	11204636	674.00000000000	25/09/2003		KY		M	1		1	P019718	219	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237723	L	219	0		0
0220	11203790	27061.00000000000	24/09/2003		KY		M	1		1	P018520	220	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236794	L	220	0		0
0220	11204637	688.00000000000	25/09/2003		KY		M	1		1	P019718	220	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237724	L	220	0		0
0221	11204638	691.00000000000	25/09/2003		KY		M	1		1	P019718	221	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237725	L	221	0		44526
0222	11204639	695.00000000000	25/09/2003		KY		M	1		1	P019718	222	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237726	L	222	0		44522
0223	11203686	59580.00000000000	23/09/2003		KY		M	1		1	P018517	223	FHOLD		Plan		1			10236730	L	223	0		0
0223	11204618	3040.00000000000	25/09/2003		KY		M	1		1	P019716	223	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237709	L	223	0		0
0224	11203668	60964.00000000000	23/09/2003		KY		M	1		1	D084545	224	FHOLD	Cocos (Keeling) Islands Shire	Diagram		1			10236701	L	224	0		0
0224	11204617	57.00000000000	25/09/2003		KY		M	1		1	P019716	224	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237710	L	224	0		0
0225	11203673	52700.00000000000	23/09/2003		KY		M	1		1	P018516	225	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236724	L	225	0		0
0225	11204586	4657.00000000000	25/09/2003		KY		M	1		1	P019713	225	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237687	L	225	0		0
0226	11203768	150.00000000000	24/09/2003		KY		M	1		1	P018518	226	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236787	L	226	0		0
0226	11203769	2250.00000000000	24/09/2003		KY		M	1		1	P018518	226	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10236787	L	226	0		0
0226	11204588	441.00000000000	25/09/2003		KY		M	1		1	P019713	226	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237688	L	226	0		0
0227	11203647	21016.00000000000	23/09/2003		KY		M	1		1	D084542	227	FHOLD	Cocos (Keeling) Islands Shire	Diagram		1			10236682	L	227	0		0
0227	11204587	822.00000000000	25/09/2003		KY		M	1		1	P019713	227	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237689	L	227	0		0
0228	11203782	72.00000000000	24/09/2003		KY		M	1		1	P018519	228	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			0		0	0		0
0228	11204589	2659.00000000000	25/09/2003		KY		M	1		1	P019713	228	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237690	L	228	0		0
	11203801	6797.00000000000	24/09/2003		KY		M	2		2	COCOSL	00229	CROWN		Location		2			0		0	0		0
	11203801	6797.00000000000	24/09/2003		KY		M	2		1	P019943	229	CROWN		Location		2			0		0	0		0
0229	11204590	916.00000000000	25/09/2003		KY		M	1		1	P019713	229	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237691	L	229	0		0
0230	1294099	18182.00000000000	28/07/1999	28/07/1999	KY	N	M	1	29/07/1999	1	D087096	230	FHOLD		Diagram		1	SYDNEY	HW	0		0	0		0
0230	11204591	5153.00000000000	25/09/2003		KY		M	1		1	P019713	230	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237692	L	230	0		0
0231	11204592	1201.00000000000	25/09/2003		KY		M	1		1	P019713	231	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237693	L	231	0		0
0232	11204598	3428.00000000000	25/09/2003		KY		M	1		1	P019715	232	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237697	L	232	0		0

LOTNC	Pin	Legal_area	Date_creat	Date_modif	lega_deriv	area_indic	CENTROID_C	Usage_code	Date_bound	PiTyp	PiParcel	lot_type	MGR_NAME	TENURE	Date_retir	render_nor	STNAME	STNAMESFX	AIN	NOTYP	NOFROM	NOTO	NOFROMSFX	RESERVE1
0233	11204578	2449.00000000000	25/09/2003		KY		M	1		1	P019712 233	FHOLD		Plan		1			10237672	L	233	0		0
0234	11204616	4195.00000000000	25/09/2003		KY		M	1		1	P019716 234	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237711	L	234	0		0
0236	11204624	129.00000000000	25/09/2003		KY		M	1		1	P019717 236	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237715	L	236	0		0
0237	11204595	3468.00000000000	25/09/2003		KY		M	1		1	P019714 237	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237694	L	237	0		0
0239	11204644	1151.00000000000	25/09/2003		KY		M	1		1	P019940 239	FHOLD		Plan		1			10237727	L	239	0		0
0240	11204606	648.00000000000	25/09/2003		KY		M	1		1	P019715 240	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237698	L	240	0		0
0241	11204607	357.00000000000	25/09/2003		KY		M	1		1	P019715 241	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237699	L	241	0		0
0242	11204642	2500.00000000000	25/09/2003		KY		M	1		1	P019940 242	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237728	L	242	0		0
0243	11204609	1094.00000000000	25/09/2003		KY		M	1		1	P019715 243	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237700	L	243	0		0
0244	11204611	59.00000000000	25/09/2003		KY		M	1		1	P019715 244	FHOLD		Plan		1			10237701	L	244	0		0
0245	11204610	1047.00000000000	25/09/2003		KY		M	1		1	P019715 245	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237702	L	245	0		0
0246	11204548	255.00000000000	25/09/2003		KY		M	1		1	P019712 246	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237673	L	246	0		0
0247	11204600	669.00000000000	25/09/2003		KY		M	1		1	P019715 247	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237703	L	247	0		0
0248	11204601	1527.00000000000	25/09/2003		KY		M	1		1	P019715 248	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237704	L	248	0		0
0249	11204604	467.00000000000	25/09/2003		KY		M	1		1	P019715 249	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237705	L	249	0		0
0250	11204603	292.00000000000	25/09/2003		KY		M	1		1	P019715 250	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237706	L	250	0		0
0251	11204605	394.00000000000	25/09/2003		KY		M	1		1	P019715 251	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237707	L	251	0		0
0253	11204602	909.00000000000	25/09/2003		KY		M	1		1	P019715 253	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237708	L	253	0		0
0254	11204673	9468.00000000000	25/09/2003		KY		M	1		1	P019942 254	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237749	L	254	0		0
0255	11204408	1703.00000000000	25/09/2003		KY		M	1		1	D084544 255	FHOLD	Cocos (Keeling) Islands Shire	Diagram		1			10237549	L	255	0		0
0256	11204643	3215.00000000000	25/09/2003		KY		M	1		1	P019940 256	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			10237729	L	256	0		0
0256	11204671	8933.00000000000	25/09/2003		KY		M	1		1	P019941 256	FHOLD	Cocos (Keeling) Islands Shire	Plan		1			0		0	0		0
	11896216	15770.00000000000	9/09/2010		KY		M	1		1	D084543 260	FHOLD				1			0		0	0		0
	11203674	3620.00000000000	23/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203687	28466.00000000000	23/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203770	349.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203771	5728.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203772	6954.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203773	759.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203774	7276.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203792	363.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203793	2066.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203802	38190.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203806	2122.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13	SYDNEY	HW	0		0	0		0
	11203807	3826.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203808	3585.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203809	8785.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203810	3521.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11203811	31310.00000000000	24/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204436	1933.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204546	1238.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204550	906.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204551	2260.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204552	2391.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204553	1980.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204554	12247.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204555	8340.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204556	2542.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204557	554.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204558	648.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204559	1047.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204560	1110.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204561	2978.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204562	7065.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204563	1238.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204564	973.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204565	974.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204566	1860.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204567	1240.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204568	1861.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204569	1861.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204570	1488.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204571	626.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204572	2047.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204573	1790.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204574	1836.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204575	1224.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204576	8224.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204577	1102.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204596	12665.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204612	528.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204613	906.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204614	1915.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204666	9553.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204667	1089.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204668	1354.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204669	1839.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204670	14957.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204674	1883.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204675	1995.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0
	11204676	10117.00000000000	25/09/2003		KY		M	13		3	P ROAD	ROAD	Cocos (Keeling) Islands Shire	Road		13			0		0	0		0

Chapter
7

Appendix 4: Memorandum of Arrangement – Particulars of Services

Memorandum of Arrangement – Particulars of Services

" To develop a Geographic Information System (GIS) for Cocos (Keeling) Islands. GA's proposals, dated 17 November 1998 and 6 May 1999 for the development of the GIS, form part of this MOA. (Attachment 1)

The Services include the provision of detailed orthophotography and feature datasets based on a two stage approach as follows:

Stage 1.

 The creation of a sample of the orthophotography similar to Christmas Island GIS (CIGIS) resolution standards;

 The retrieval and integration of available line and point data held by AUSLIG, the WA Department of Land Administration (DOLA), or the Commonwealth Environmental Resource Information Network covering Cocos (Keeling) Islands;

 The installation and demonstration of the Stage 1 version of the Cocos (Keeling) Islands GIS (CKIGIS) on the Territories Office GIS PC; and

 The provision of sample colour maps, posters and an interim CD backup.

Stage 2.

 The creation of the remainder of the orthophotography;

 The integration of ground audit data with DOLA cadastral boundaries;

 The integration to the extent possible of existing datasets that come to light through the process of carrying out Stage 1;

 The documentation of the system to the CIGIS standards;

 The publishing of the whole system on DVD and delivery of five copies to the Department; and

 The installation and demonstration to the Contact Officer of the GIS at the Department's PC GIS location

The Timetable for the Services is:

Milestone	Due Date
Stage 1 completed	2 months from execution of MOU
Stage 2 completed	3 months after acceptance of Stage 1

Chapter

8

Appendix 5: Data Licensing and Agreements

Data Licensing and Agreements

The collection of nearly all the data sets on the DVD comprising the Cocos GIS was commissioned by the Territories Office (Commonwealth Government) under a series of consultancy arrangements with various data suppliers over the past fifteen years. An exception is the Environment Australia Marine Environment data layer. The Cocos GIS is an assembly of multiple data collections (each of which may comprise some man-years of work) into a single easy-to-use integrated system and so represents a valuable Commonwealth asset.

Commonwealth Cocos GIS data licence

The copyright for all the data in the Cocos GIS resides with the Commonwealth (see data acknowledgments on page 6). Legal advice to Geoscience Australia and Territories Office recommends the protection of the Commonwealths interests in any distribution of the Cocos Islands GIS by way of a licence agreement. Following are a one-page licence agreement and an associated covering letter. A key purpose of the Cocos GIS licensing is that the user organisation signifies their acceptance that the data is not error free. This licence relates to all the data except the original content of the Environment Australia (EA) marine data for which a separate EA licence must be used. To simplify usage of the Cocos GIS, the EA data has been moved to CD-ROM 4, which is not included in the standard Cocos GIS distribution.

Risks of not licensing the data include: -

- allegations of liability for damages as a result of errors in the data,
- commercialisation of the data,
- proliferation of faceless data variants,
- inequitable government support between competing businesses,
- perceived breaches of privacy, and
- potential future denial of access by the Commonwealth to the data.

Arguments against licensing include: -

- it may in some cases stultify legitimate and effective use of the data for public good purposes, and
- it introduces a cumbersome overhead for both the data supplier and the data user.

On receipt, this data should have been received with two copies of the license agreement. One original signed copy of the Commonwealth Cocos GIS data licence is to be retained by the licensee and one original signed copy is to be posted back. An electronic copy of the Commonwealth Cocos GIS data licence (for reference) is stored on the Cocos GIS DVD at directory '\document\licenses' in file 'cocosgis_license.doc '.

A generic covering letter is also stored in this directory (file 'generic_licensecover.doc' and together the two documents comprise the licensing advice to each stakeholder. The covering letter should be edited to correctly describe the particular proposed licensee and two copies of both documents printed for packaging with the data. One original signed copy of the Commonwealth Christmas Island GIS data licence is to be retained by the licensee and one original signed copy is to be posted back.

The covering letter is only half a page. The Licence Terms are just over one page in length. It is important to retain this brevity. Experience indicates that long-winded licence agreements are often not read and their conditions are consequently at a greater risk of being ignored. Some users are put off using the data when there is a long and complex licence agreement to come to grips with. Consequently an important public-good benefit that might be delivered by the use of the data may never be realised.

Australian Government

Department of Regional Australia,
Regional Development and Local Government

Our Reference: CocosGIS2011
Contact: Mr. Shane Warnock

Friday, 6 May 2011.

Organisation name:
Organisation address:

Dear Sir/Madam,

Thank you for your request for Territories Office to supply *Organisation name* with a copy of the Cocos (Keeling) Islands GIS ('Licensed Data'), which is in the package accompanying this letter. Territories Office offers *Organisation name* a right to use the Data in accordance with the Licence Terms enclosed with this letter. A copy of the Licence Terms is also inside the package.

BEFORE OPENING THE PACKAGE, all of the Licence Terms should be read and accepted by the User, or an authorised representative of the User. Acceptance of the Licence Terms is indicated by the User's authorised signature in the space provided below on both copies of this letter, and returning one copy to Territories Office. A fee waiver is granted for Use by *Private Organisation*, however such Use is limited to work for the Commonwealth. Use of the data by *Private Organisation* for other clients requires a separate negotiation. *OR* A fee waiver is granted for Use by *Government Organisation*, however provision of new data back to the Cocos (Keeling) Islands GIS pool by *Government Organisation* is expected in return.

If the Data is used, then acceptance of the Licence Terms is deemed to have occurred even if the acceptance procedure described in the preceding paragraph has not been followed. If the Licence Terms are unacceptable, then the package, together with both copies of this letter should be immediately returned to Territories Office and the Data must not be Used by any person for any purpose.

Territories Office grants permission for *Organisation name* to freely distribute hardcopy products or hardcopy digital equivalents (eg bitmap images or powerpoint slides) created from the licensed CocosGIS.

Yours Faithfully

Mr. Keith Porritt
Geoscience Australia
representing the Commonwealth of Australia
for Territories Office
Date:

……
User / User's Authorised Representative
Name:

Position in User's Organisation:

Date:

Territories Office PO BOX Z5048 Perth, WA 6831 • Telephone: 08 6211 8527 • Facsimile: 08 6211 8581
Website: http://www.regional.gov.au • ABN 37 862 725 624

TERMS OF A LICENCE CONCERNING DIGITAL DATA
from
the Territories Office of the Commonwealth Department of Regional Australia, Regional Development and Local Government
('Licence')

IMPORTANT NOTES

'Territories Office' means the Commonwealth of Australia represented by the Territories Office of the Commonwealth Department of Regional Australia, Regional Development and Local Government.

'Data' means the Licensed Data, including any copy, reproduction, modification, adaptation, digital manipulation or graphical representation of the Licensed Data made by the User in any form, including electronic or hard-copy form.

'Fee' means the fee payable to Territories Office for the right to use the data in accordance with this Licence.

'including' is not a word of limitation.

'Licensed Data' means Territories Office's data, including metadata and documentation, supplied by Territories Office under the letter from Territories Office to which these Licence Terms are attached.

'Use' as a noun means any use or disclosure, and, as a verb, has an equivalent meaning.

'User' means any person who Uses the Data, or, if the Use is in connection with the person's employment, the person's employer.

The Data is intended for use only by people who have professional knowledge of the use and application of geographic information system (GIS) data.

TERMS

The User:

(a) must pay the Fee to Territories Office in accordance with Territories Office's directions;
(b) may, on a non-exclusive basis, use and disclose the Data only for the User's internal business purposes carried out in person by its employees, or by the User's consultants exclusively for work on the User's internal business, or, if the User is an individual, the User's personal use (**'Purpose'**);
(c) may make back-up copies of the Data; and
(d) must not, except as provided under **paragraph (b)**, distribute or transmit the whole or any part of the Data, whether alone or in combination with any other data or information in any form, to any person.

Nothing in this Licence affects ownership of any person's rights in the Data.

WARRANTY

To the full extent allowed by the applicable law Territories Office excludes from this Licence all warranties, express or implied, including any warranty of fitness of the Data for any purpose. If Territories Office breaches any warranty that, by the applicable law, cannot be excluded, then Territories Office's sole liability to the User for that breach will be, at its choice, to resupply the Data without additional charge to the User or refund the Fee.

ASSUMPTION OF RISK

The User assumes sole risk and responsibility for its Use of the Data.

Territories Office does not warrant or make any representations:

(a) that the Data will be complete, accurate, reliable or error free;
(b) as to the accuracy, reliability or content of any information obtained from Using the Data.

Territories Office disclaims any and all liability for any injury, damage or loss (including, but not limited to, economic loss) howsoever arising out of any Use of the Data.

Territories Office is not responsible for any failure to carry out its obligations under this Licence if that failure is for any cause beyond Territories Office's reasonable control.

TERMINATION

Territories Office may terminate this Licence immediately by written notice if the User breaches this Licence or for convenience on 30 days notice.

When this Licence ends the User must return or destroy all copies of the Data in its possession or under its control.

APPLICABLE LAW

This Licence will be interpreted according to the laws of the Australian Capital Territory, Australia.

ALTERATION

This Licence be altered only in writing signed by Territories Office and an authorised representative of the User.

WAIVER

Waiver of any provision or right under this Licence:

(a) must be in writing signed by the party entitled to the benefit of that provision or right; and
(b) is effective only to the extent set out in the written waiver.

ENTIRE AGREEMENT

This Licence:
(a) constitutes the entire agreement between Territories Office and the User as to its subject matter; and
(b) in relation to that subject matter, supersedes any prior understanding or agreement between Territories Office and the User and any prior condition, warranty, indemnity or representation imposed, given or made by Territories Office or the User.

UN CONVENTION

Territories Office and the User agree that the provisions of the United Nations Convention on Contracts for the International Sale of Goods are expressly excluded from this Agreement.

DISPUTE RESOLUTION

The parties (meaning Territories Office and the User) must attempt to resolve any dispute or difference that may arise between them in relation to this Agreement (**'Dispute'**) through amicable consultation, based on principles of mutual benefit, equality, cooperation and trust. Accordingly, a party must not start arbitration or court proceedings (except proceedings seeking interlocutory relief) about a Dispute unless it has complied with the following **paragraphs (a) - (e)**:

(a) A party claiming that a Dispute has arisen must notify the other party to the Dispute giving details of the Dispute (**'Notification'**);
(b) On receipt of a Notification each party must negotiate in good faith to resolve the Dispute and, if necessary to

resolve the Dispute, involve the Chief Executive Officers or other senior officers of the parties directly in those negotiations;

(c) If the Dispute involves technical matters and has not been resolved by negotiations under paragraph (b) within a reasonable time, then the parties will refer the Dispute for determination by an independent expert agreed by the parties in the technical field the subject of the Dispute;

(d) If the Dispute is not resolved under **paragraph (b) or (c)** within thirty days (or longer period agreed between the parties), and if the User's principal address is in Australia, then the parties must refer the Dispute for mediation by the Australian Commercial Dispute Centre Limited ('ACDC') for resolution in accordance with the Mediation Rules of the ACDC;

(e) If the Dispute is not resolved under **paragraph (b) or (c)** within thirty days (or longer period agreed between the parties), and if the User's principal address is not in Australia, then the parties must refer the Dispute to arbitration for resolution in accordance with the UNCITRAL Model Law on International Commercial Arbitration. Notwithstanding any provision of the UNCITRAL rules to the contrary, the parties agree that:

(i) the number if arbitrators shall be one;
(ii) the place of arbitration will be Canberra, Australian Capital Territory, Australia;
(iii) all proceedings will be conducted in the English Language;
(iv) the applicable law is the law of the Australian Capital Territory; and
(v) the determination of the arbitrator shall be final and binding on the parties and the costs of the arbitration shall be borne and paid for as the arbitrator directs.

(f) If the Dispute is not resolved under **paragraph (d) or (e)** within sixty days after referral (or longer period agreed between the parties) either party may initiate proceedings in a court

FURTHER INFORMATION

Historical information may be contained in the Data, metadata or documentation of the Data. If the User requires further information about the Data or it's history, then contact

Territories Office Perth,
Department of Regional Australia, Regional Development and Local Government.
Ph: (08) 6211-8527
Fax: (08) 6211-8581

License for use of Satellite Imagery.

Copied here is the text file 'MULTIPLE_ORGANIZATION.TXT' which contains the license agreement for the use of the satellite imagery bundled with this manual. Please read before continuing.
Also here is a copy of the table of registered users, found in the 'registered_users.pdf'.

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Multiple Organization
End User License Agreement

REGISTERED USERS

	Registered Organisations
1	Department of Regional Australia, Regional Development and Local Government
2	Cocos (Keeling) Islands Shire
3	Geoscience Australia
4	WA Department of Industry and Resources
5	WA Department of Land Administration
6	WA Department for Planning and Infrastructure
7	Cocos Island Co-operative Society Ltd
8	Cocos Dive
9	WA Department of Education and Training
10	Cocos (Keeling) Islands Tourism Association
11	WA Department of Fisheries
12	WA Department of Environment
13	Department of Finance and Administration
14	Department of Environment and Heritage
15	Gutteridge Haskins & Davey Pty Ltd (GHD)

Table 5: Registered users of the satellite imagery bundled with this manual.

Environment Australia Marine Data licence.

For each organisation the current Cocos GIS cd-rom #4 (DVD) is to be passed to, the following licence agreement with Environment Australia (EA) need first be signed by a representative of the organisiation. This license specifically relates to the marine data sourced from EA. The EA system refers to this data set as the ' Whelans Cocos GIS (1998)'.

An electronic copy of the EA data licence is stored on the Cocos GIS DVD at directory '\document\licenses' in file 'ea_marine_data_licence.doc'. Details for the licensee organisation need be entered in the following fields on the document:-

Name/Title:	[enter your – Name]
Company/Organisation:	[enter your – Organisation]
Address:	[enter your – Address]
Telephone:	[enter your – Telephone]
Facsimile:	[enter your – Fax]
E-mail Address:	[enter your – Email]
The Data will be used by the Licensee for:	[enter your – Data Use]

Licensees would generally need to fill the 'Data Use' item themselves. However, all the other items in the document could be edited in advance to correctly describe the particular proposed licensee and two copies printed for packaging with the data as per the advice in the covering letter.

One original signed copy of the EA agreement is to be retained by the licensee and one original signed copy is to be posted to:-

Mr. Keith Porritt
Geoscience Australia
GPO Box 378,
CANBERRA ACT 2601

in accordance with the current dispensation by Environment Australia for GA to distribute the revised Cocos GIS data on behalf of the Department of Regional Australia, Regional Development and Local Government, including the data for which Environment Australia is custodian.

Environment Australia
Department of the Environment and Heritage

Agreement for the Supply of Data

Important: The completed Schedule and Licence Conditions set out below will constitute a legal agreement between the Commonwealth of Australia ("the Commonwealth") and you ("the Licensee") in relation to the data. If you agree with the Conditions, please tick the 'Agreed' box, sign and date beside it and ensure your licensee details are filled out below.

If you are entering into this agreement on behalf of a company or organisation, you warrant that you have the authority to do so.

Agreed

Not Agreed

The Schedule

Date:

Commonwealth

The Commonwealth of Australia is represented by the Department of the Environment and Heritage. The contact details are:

Name/Title: Gavan Thomas, Project Officer

Address: Environmental Resource Information Network (ERIN)
Environment Australia
GPO Box 787 Canberra ACT 2601

Telephone: 02 6274 2736
Facsimile: 02 6274 1333

Email Address: gavan.thomas@ea.gov.au

Licensee

Name/Title: *[enter your – Name]*

Company/Organisation: *[enter your – Organisation]*

Address: *[enter your – Address]*

Telephone: *[enter your – Telephone]*

Facsimile: *[enter your – Fax]*

Email Address: *[enter your – Email]*

The Data

The data is referred to as the 'Marine Environment' data in the GA-DoTaRS Cocos GIS. The ERIN system refers to the data as the ' Whelans Cocos GIS (1998)'.

This dataset contains point, line and polygon data of the marine environment surrounding the Cocos (Keeling) Islands. It includes coastlines, bathymetric contours, coral outcrops and other features. Coverage extends to the whole of Cocos Keeling Islands. The themes have been grouped by GA into the following shapefiles so as to increase the ease of use of the data:

Infralin.shp - Infrastructure lines
Boundlin.shp - Boundary lines
Marinelin.shp - Marine lines
Surveylin.shp - Survey lines
Islandlin.shp - Island outlines
Marineply.shp - Marine polygon
Islandply.shp - Island polygon
Boundply.shp - Boundary polygon

These shapefiles retain all spatial and non spatial data as supplied to GA.

Data are provided in shape file format and also as ERIN originally supplied in a zip of ARC export files. Both formats are supplied on DVD of the Cocos GIS produced in 2000 by GA for Territories Office. Accompanying metadata for the data is also supplied.

Contributors

Item: 'Marine Environment' data referred to by ERIN as the ' Whelans Cocos GIS (1998)'.

Contributor: GA
Data was received by GA from ERIN as ArcInfo Export files. GA converted the data to shape file format. GA projected the data to CKIG92 with a coordinate shift to match the Cadastre (assuming it was received as UTM Zone 47 WGS72).
The many individual layers were checked and those of similar themes were then grouped to provide a smaller set of layers, thus making the data more useable.
The North Keeling atoll was translated and warped to more accurately match the orthophotography. Line themes were built into polygons to allow areas to be queried.

Additional Conditions: The I.P. for work done on the data by GA is not covered in this licence agreement between your organisation and EA. A separate agreement with

the Commonwealth may apply to this particular component of I.P. in conjunction with the remainder of the GA-DoTaRS Cocos GIS data.

Use

The Data will be used by the Licensee for:

[enter your – Data Use]

Licence Conditions

1 Interpretation

1.1 In these Conditions, unless the contrary intention appears:

"Commercialise" in respect of the Data or a product or service derived from the Data, includes distributing, giving away, selling, letting for hire, or by way of trade, offering or exposing for sale or hire any article embodying the Data or any product or service derived from or incorporating the Data;

"Contributor" means:

I. (in relation to the Commonwealth) an agency of the Commonwealth which is custodian of a particular item of Data on behalf of the Commonwealth; or

II. third party contributors

identified in the Schedule to this Agreement as having provided particular items of Data which are the subject of this Licence Agreement;

"Data" means the data to which access is made available, and which is listed in the Schedule and includes any Enhancements to the Data;

"Enhancement", in relation to the Data, includes any modification, adaptation or redevelopment of the Data, any work derived from the Data, machine readable representations of any of the foregoing and any associated material intended at the time of its creation to be used primarily in conjunction with the Data;

"Intellectual Property" includes all copyright, and all rights in relation to registered and unregistered trademarks (including service marks), registered designs and confidential information (including trade secrets and know-how), and all other rights resulting from intellectual activity in the industrial, scientific, literary or artistic fields;

"Licence" means the licence referred to in Condition 3.

2 Duration

2.1 The Licence commences on the date of the Agreement as set out in the Schedule, and continues in force for a period of five (5) years unless terminated in accordance with Condition 10.1.

3 Licence Conditions

3.1 The Commonwealth grants to the Licensee, a royalty-free, non-exclusive, non-transferable licence to use, reproduce, make Enhancements to and print the Data, and combine it with other data held by the Licensee.

3.2 The Licence is limited to personal use of the Data or use within the Licensee's organisation only.

3.3 The Licensee shall not Commercialise the Data or any product or service derived from the Data.

3.4 The Commonwealth warrants that the grant of the Licence does not infringe the Intellectual Property rights of any person and that it is entitled to grant the licence in relation to the data of third party Contributors.

3.5 Data items identified in the Schedule as having been provided by individual Contributors are subject to the additional conditions (if any) set out in the Schedule. In the event of any conflict between the terms of the Licence Conditions and any additional condition set out in the Schedule, the terms of the Licence Conditions shall take precedence.

4 Intellectual Property Rights Reserved

4.1 All rights not expressly granted to the Licensee under Condition 3 are reserved.

4.2 The Licensee acknowledges that the Data is a special, unique and valuable product in which the copyright and other applicable Intellectual Property rights vest in the Contributors as listed in the Schedule.

4.3 The Contributors of items of Data retain ownership of that Data, whether in its original form or as modified by the Licensee and of the Intellectual Property rights therein.

4.4 Intellectual Property in any Enhancement to the Data vests, upon its creation, in the Contributor named in the Schedule in relation to the relevant item of Data.

5 Custody of the Data

5.1 The Licensee shall maintain the Data in safe custody.

5.2 The Licensee shall take all reasonable steps to ensure that any person given access to the Data is aware of these Conditions and uses the Data only in accordance with this Agreement.

6 Precautions

6.1 THE COMMONWEALTH CANNOT GUARANTEE THAT THE DATA, INCLUDING ANY THIRD PARTY DATA, IS FREE FROM ERRORS, AND DOES NOT WARRANT THE QUALITY, PERFORMANCE OR SUITABILITY OF THE DATA FOR ANY PURPOSE.

6.2 THE LICENSEE ASSUMES RESPONSIBILITY FOR SELECTION OF THE DATA TO ACHIEVE ANY INTENDED RESULTS, AND FOR ITS USE.

6.3 THE LICENSEE ASSUMES RESPONSIBILITY FOR THE INTERPRETATION OF ANY RESULTS OBTAINED FROM USE OF THE DATA, AND MUST EXERCISE ALL APPROPRIATE PRECAUTIONS BEFORE PLACING RELIANCE ON THOSE RESULTS.

7 Release and Indemnity

7.1 THE LICENSEE:

A) RELEASES THE COMMONWEALTH, ITS OFFICERS, EMPLOYEES AND AGENTS AND ALL CONTRIBUTORS IN RESPECT OF ALL LIABILITY FOR LOSS, DAMAGE OR INJURY, WHICH MAY BE SUFFERED BY THE LICENSEE OR ARISING FROM THE LICENSEE'S USE OF THE DATA; AND

B) INDEMNIFIES THE COMMONWEALTH, ITS OFFICERS, EMPLOYEES AND AGENTS AND ALL CONTRIBUTORS IN RESPECT OF ALL LIABILITY FOR LOSS, DAMAGE OR INJURY, WHICH MAY BE SUFFERED BY ANY PERSON ARISING FROM THAT PERSON'S USE OF THE DATA.

8 Retention of Notices

8.1 The Licensee shall not remove, obscure or interfere with any copyright notice, trademark, warning or disclaimer incorporated in the Data.

9. Commercial Exploitation

9.1 The licensee shall not Commercialise the Data or any product or service derived from incorporating the Data without the prior written consent of the relevant Contributor(s).

9.2 A Contributor may grant or refuse consent in their absolute discretion and subject to any condition whatsoever, including payment of royalties.

9.3 Any of the Data or any product or service derived from incorporating the Data which is Commercialised in accordance with this clause, must be accompanied by or incorporate an appropriate acknowledgment of the Contributor as the source of the Data in the terms specified in the Schedule.

10 Termination

10.1 If the Licensee breaches any of these Conditions, the Commonwealth may terminate the Agreement immediately by notice in writing to the Licensee.

10.2 The termination of the Agreement under Condition 10.1 shall be without prejudice to the rights of either party accrued under the Agreement prior to termination.

10.3 The Licensee shall cease using the Data for any purpose from the date of termination of the Agreement and shall return the Data and any copies made of it to the Commonwealth within 30 days of the date of termination.

11 Entire Agreement

11.1 The Agreement supersedes all prior agreements and understandings between the parties relating to the Data and Data Products and constitutes the entire agreement between the parties.

12 Variation

12.1 No addition to or modification of any provision of the Agreement shall be binding unless in writing signed by both parties.

13 Assignment

13.1 The rights granted under the Licence are restricted solely to the Licensee and may not be assigned, transferred or sublicensed without the prior written consent of the Commonwealth.

13.2 The Commonwealth may grant or refuse consent in its absolute discretion and subject to any condition whatsoever.

14 Law

14.1 The Agreement shall be governed by and construed in accordance with the laws of the Australian Capital Territory.

15 Waiver

15.1 No forbearance, delay or indulgence by a party in enforcing the provisions of the Agreement shall prejudice or restrict the rights of that party, nor shall waiver of those rights operate as a waiver of any subsequent breach.

16 Severance

16.1 Any reading down or severance of a particular provision does not affect the remaining provisions of the Agreement.

17 Application

17.1 Where the Licensee is an agency of the Commonwealth of Australia, such that it is not permitted to enter into a binding legal agreement except as the Commonwealth, then the conditions shall be read as merely giving rise to an arrangement between the Department of the Environment and Heritage and the Licensee.

Territories Office—DoLA Arrangement for cadastre

Through Territories Office, the Commonwealth pays the Western Australian Department of Lands Administration (DoLA) to maintain the cadastre as passed from Australian Land Information Group (AUSLIG) in 1992.

Chapter 9

Appendix 6: Land Use Plan 1992 Data Documentation

Note: This land use plan was converted to digital form by GA by a scan/OCR process from a hard copy original: formatting will vary slightly and some errors may exist.

Cocos (Keeling) Islands

Geographic Information System Database
Accompanying Documentation

Cocos (Keeling) Islands

Geographic Information System Database
Accompanying Documentation

Prepared by P. Kendall

Environmental Planning Unit
National Capital Planning Authority

February 1992

BACKGROUND

The National Capital Planning Authority, between November 1991 and March 1992, assisted the Commonwealth Department of Arts, Sport, Environment, Tourism and Territories in preparing a draft plan for the Cocos (Keeling) Islands. As part of the planning study, a geographic information system (GIS) database was established in order to prepare base and thematic maps and to enable the production of high quality figures to illustrate the planning report and to present the plans for public consultation.

The database contains many layers of environmental and planning information and has a range of potential uses beyond the planning exercise. DASETT subsequently briefed the NCPA to carry out some additional work to adapt the database for its ongoing purposes and to make the database available through the Department's ERIN computer network.

The GIS database was created using the software package pc ARC/INFO and can be readily translated for use on other ARC/INFO hardware platforms and under other GIS software systems. The brief required the provision of files in ARC/INFO export format and in 20 metre grid format, both on floppy disk media.

It is currently proposed that data layers will be added to the database when these become available from the Australian Survey and Land Information Group (AUSLIG). In particular, this additional data will include cadastral information which can replace the temporary cadastral covers prepared for the planning study. Other data layers should complement those currently in the database.

This documentation explains the general features of and structure and content of the database, together with some notes to assist in its future use through ERIN.

GENERAL FEATURES OF THE DATABASE

The database consists of 48 covers, 11 of which are simple base covers used for building more complex thematic maps and for defining map extents when using ARCPLOT. A further 6 covers are used mainly as the foundations for adding details such as topography, cadastral boundaries, roads and utilities to thematic maps. The remaining covers comprise 14 covers providing 11 resource map layers and 17 covers providing four land use and planning layers.

So as to provide flexibility in the preparation of map compositions at different scales and showing different features, the land use and planning layers each consist of separate covers for each of the main islands or island groups (ie West Island, Home Island, South Island, the small islands between South and Home Islands, Direction/Horsburgh Islands and North Keeling). Not all islands are represented in each data layer. This was so particularly where there were no features to show on particular islands or an alternative cover from a different layer could be used in a map composition to complete the full atoll coverage. Most of the remaining coverages include all of the southern Cocos atoll.

North Keeling, because of its geographic isolation is always included as a separate cover and represented in map compositions as an inset rather than in its correct location. Only a few of the thematic layers have been compiled for North Keeling. There is little mapped information available for this island and no air photo or field mapping was undertaken during the planning study.

All of the covers are topologically structured and checked for correct polygon closure and labelling. However, in some instances not all polygons have attribute information, where this was found to be unnecessary.

The accuracy of the data are sufficient for planning purposes and are largely governed by the accuracy of existing map sources. Only limited field checking had been undertaken during a one week visit to the islands. Detailed mapping would need to be undertaken for management purposes particularly related to public utilities and services infrastructure, using detailed plans (in non-digital form) held by ACS in Perth.

STRUCTURE AND CONTENT OF THE DATABASE

The information is summarised in two parts in the accompanying attachments. The first is a tabular description of the ARC/INFO coverages which includes details on map extent and coverage features. The second is a description of the map layers by theme, which includes details on covers and feature included, where the information was obtained and its accuracy, attribute classifications and lists of associated lookup tables, key files and macro files for generating the map compositions for the report figures and presentation maps.

USE OF THE DATABASE

Use of the database in its basic form will require a working knowledge of ARC/INFO, particularly for complex queries, preparation of catographic output, updating and further development. Simple automated queries by non-skilled operators using ARC/INFO would require the development of a set of macros designed for user-friendly operation. However, this would require identification of the types of standard queries by users. The use of the new ESRI product ARCVIEW should enable easy use of the database for some queries, without the need for a detailed knowledge of ARC/INFO.

All coverages should function correctly without modification on ARC/INFO platforms once imported. However, there are a number of enhancements which could be made to make better use of the additional features and capabilities of the full ARC/INFO package.

It may be simpler for the user, if some of the covers were combined (by MAPJOIN) to create full atoll coverages for each theme, particularly for use on more powerful hardware platforms where display speed and storage space are less critical than is the case on a pc. This would achieve the same result without having to specify multiple coverages to create a map composition for the whole atoll.

Since the annotation for specific islands was sized to suit the map compositions required, there will be incompatibility in the sizing when covers are joined. This can be fixed easily by using the select and calculate commands in **ARCEDIT.**

Some macros (SML's) are included in the set of files. These have been developed specifically for producing plot files (these were developed to produce the figures in the planning report or the presentation maps). They are included to provide examples of map compositions. Several modification would be required to convert them to workable AML's, including changes to pc SML lines not recognised by ARC/INFO, changes to textfonts, textsets, shadesets, etc and commands for creating plot files. However, most ARCPLOT commands would not need to be changed.

The lookup tables and key files are specifically set up to use the 100 shades in the COLOR shadeset in pc ARC/INFO. They would need to be amended for other shadesets. A few lookup and key files have been included which were developed for use with the CMYK shadeset on the NRIC computer system. They apply only to the land use and planning map covers.

In some instances a parallel set of SML's, key files and coverage annotation levels have been prepared using the Cocos-Malay language. The annotation levels are normally on or two levels higher than the English version and the SML and Key files contain an M at the end of the file name to distinguish them.

Attached are some sample SML's and AML's used for creating map compositions for the planning scheme maps. The full set of SML's is included on the disks provided.

SUMMARY OF COVERS IN DATABASE

COVER NAME	EXTENT	FEATURES	FEATURE CLASS	ATTRIBUTES	ANNOTATION
ISLANDS	Southern atoll	Coastlines	Polygons	None	Island names Level 1 - English Level 2 - Malay
NORTHK	North Keeling	Coastline	Polygon	None	Island name (as above)
WEST	West Island	Coastline	Polygons	None	None
SOUTH	South Island	Coastline	Polygons	None	None
HOME	Home Island	Coastline	Polygons	None	None
NORTH	Horsburgh and Direction Isl.	Coastlines	Polygons	None	None
OTHER	Small islands south of Home Island	Coastlines	Polygons	None	None
REEF	Southern atoll	Reef edge	Polygons	None	Identifying label - level 1 - English - level 2 - Malay
NKREEF	North Keeling	Reef edge	Polygons	None	None
LAGOON	Southern atoll	Reef edge, coastlines and lagoon	Polygons	ZONE	None
NKLAGOON	North Keeling	Reef edge, coastline and lagoon	Polygons	ZONE	None
TOPO	Southern atoll	Coastlines, reef flat, lagoon, beaches, swamps	Polygons	FEAT (feature)	None
WESTCAD	West Island	Coastline, lot boundaries and numbers	Polygons	LOTNO (lot number) TENURE	Level 1 - Lot descriptions Level 2 - Lot numbers
HOMECAD	Home Island	As above	Polygons	LOTNO (lot number)	Level 1 - Lot numbers Level 2 - House/Lot numbers

COVER NAME	EXTENT	FEATURES	FEATURE CLASS	ATTRIBUTES	ANNOTATION
ROADS	Southern atoll	Sealed and unsealed roads, cycle path	Lines	TYPE	None
UTILS	Southern atoll	Public utilities and services infrastructure	Points and lines	TYPE LABEL	None
AIRPORT	West Island	Runway and parking area	Polygons	None	None
WATER	West, Home, South and Horsburgh	Known groundwater lenses	Polygons	None	None
EROSION	West Island	Erosion prone coastline Potential breach areas	Lines	CODE	None
VEG	Southern atoll	Coastlines, Native vegetation communities	Polygons	TYPE	None
VEG2	Southern atoll	Coastlines, Vegetation structure	Polygons	STRUC	None
HABITAT	Southern atoll	Migratory bird habitats	Polygons	TYPE	Species information and notes
MARINE	Southern atoll	Coastlines, Marine habitats	Polygons	TYPE CODE	Polygon codes
MARRES	Southern atoll	Coastlines, important marine areas	Polygons	TYPE	Identifying labels
MARRES2	Southern atoll	Coastlines, marine habitats (similar to MARRES)	Polygons	TYPE CODE	None
RECRES	Southern atoll	Coastlines, recreation facilities and water-based activities	Polygons	TYPE	Identifying labels
SITES	Southern atoll	Heritage sites	Points	TYPE	Identifying labels
NKSITES	North Keeling	Heritage site	Points	TYPE	Identifying label
SITES2	Home Island	Heritage sites	Polygons	TYPE	None
TOURIST	Southern atoll	Proposed tourist development areas	Polygons	None	Identifying labels

COVER NAME	EXTENT	FEATURES	FEATURE CLASS	ATTRIBUTES	ANNOTATION
RUBBISH	Southern atoll	Coastlines, rubbish problem areas	Polygons	DUMP	None
WESTUSE2	West Island	Coastline, cadastral boundaries existing land use	Polygons	USE (land use category)	Identifying labels
HOMEUSE2	Home Island	as above	Polygons	as above	as above
NORTHUSE	Horsburgh and Direction Islands	as above	Polygons	as above	as above
SOUTHUSE	South Island	as above	Polygons	as above	Legend symbols
OTHERUSE	Islands south of Home Island	as above	Polygons	as above	None
NKUSE	North Keeling	as above	Polygons	as above	None
WESTOPT	West Island	Coastline, planning options	Polygons	OPT (options category)	Level 1 - English notes Level 2 - English legend symbols Level 3 - Malay notes Level 4 - Malay legend symbols
HOMEOPT	Home Island	as above	Polygons	as above	Level 1 - English notes Level 2 - Malay notes
NORTHOPT	Horsburgh and Direction Islands	as above	Polygons	as above	Level 1 - English notes Level 2 - English legend symbols Level 3 - Malay notes Level 4 - Malay legend symbols
WESTPREF	West Island	Coastline, preferred planning options	Polygons	OPT (options category)	as above
HOMEPREF	Home Island	as above	Polygons	as above	Level 1 - English notes Level 2 - Malay notes
NORPREF	Horsburgh and Direction Islands	as above	Polygons	as above	Level 1 - English notes Level 2 - English legend symbols Level 3 - Malay notes Level 4 - Malay legend symbols

COVER NAME	EXTENT	FEATURES	FEATURE CLASS	ATTRIBUTES	ANNOTATION
WESTZONE	West Island	Coastline, statutory land use plan	Polygons	ZONE (zone and reserve categories)	as above
HOMEZONE	Home Island	as above	Polygons	as above	Level 1 - English legend symbols Level 2 - Malay legend symbols
NORZONE	Horsburgh and Direction Island	as above	Polygons	as above	as above
OTHZONE	Islands south of Home Island	as above	Polygons	as above	None
SOUZONE	South Island	as above	Polygons	as above	Level 1 - English legend symbols Level 2 - Malay legend symbols

DESCRIPTION OF RESOURCE AND LAND USE MAP LAYERS

TOPOGRAPHY

COVER: **TOPO**

FEATURES: Island coastlines, semi-saline swamps, beaches (sand or coral rubble below high water mark), edge of reef flat and lagoon with attributes to identify features

SOURCES AND ACCURACY: 1:10,000 cadastral maps for coastlines of all islands except South Island and North Keeling other features from 1:25,000 topo maps and air photos. Note - constant coastline changes mean that the current coastline may not be accurately represented in published maps. Some minor changes have been made to reflect the effects of recent lagoon filling on West and Home Island. The 1:10,000 cadastral maps show the coastline above HWM while the1:25,000 topo maps show the coastline at LWM. Only the South Island coastline was digitized from the 1:25,000 maps.

ATTRIBUTES: FEAT (topographic features)

1 Reef flat and lagoon
2 Islands above HWM
3 Beach
4 Semi-saline swamp
5 Deep hole in lagoon

LOOKUP TABLE: TOPO.LUT (pc ARC/INFO - shadeset COLOR)

CADASTRAL

COVERS: **WESTCAD, HOMECAD**

FEATURES: Lot boundaries and lot numbers with attributes to identify lot numbers and land ownership

SOURCES AND ACCURACY: 1:10,000 cadastral maps of West and Home Islands supplemented by survey plans for individual lots and 1:1000 detail map of Home Island settlement. Note: Cadastral mapping is being undertaken by AUSLIG and will replace these temporary covers when available

ATTRIBUTES: LOTNO – as defined on cadastral plans

TENURE

1 Commonwealth Owned
2 Council land licenced to Commonwealth
3 Council Land

LOOKUP TABLE: CAD.LUT (pc ARC/INFO - shadeset COLOR)

KEY FILE: CAD.KEY

SML: WESTTEN.SML (creates plot file used in report)

ROADS

COVER: **ROADS**

FEATURES: Sealed and unsealed roads and cycle path with attributes to identify type

SOURCES AND ACCURACY: Detailed maps of settlement areas on West and Home Islands, 1: 10,000 cadastral map for Sydney Highway and 1:25,000 topo maps for other roads and tracks. Cyclepath was field mapped.

ATTRIBUTES: TYPE (road type) - line features

1 Sydney Highway
2 Other sealed roads
3 Other roads and tracks
4 Cycle path

LOOKUP TABLE: ROADS.LUT

UTILITIES AND SERVICES

COVER: **UTILS**

FEATURES: Line features - jettys, boat ramps, seawalls and breakwaters, sewer outfalls and fuel pipeline

Point features - power stations, radio masts, navigation beacons, bores, sand and gravel pits and associated services buildings

Both are identified in attribute tables by type code and text label.

SOURCES AND ACCURACY: Detailed maps of settlement areas on West and Home Islands and 1:25,000 topo maps for other areas plus some air photo and field mapping

ATTRIBUTES: TYPE - Line features

1 Boat ramps and jettys
2 Breakwaters and seawalls
3 Pipelines

TYPE - Point features

1 Power supply facility
2 Communication facility
3 Navigation facility
4 Navigation buoy
5 Water supply facility
6 Services building
7 Fuel storage tanks
8 Sand or gravel pit

LABEL - text descriptions of both line and point features

LOOKUP TABLES: UTIL.LUT, UTIL2.LUT (pc ARC/INFO)

KEY FILES: UTIL.KEY, UTIL2.KEY

COVER: AIRPORT

FEATURES: Runway and aircraft parking area

SOURCES AND ACCURACY: 1:4000 survey map of West Island settlement area

ATTRIBUTES: None.

WATER RESOURCES

COVER: WATER

FEATURES: Extent of known groundwater lenses

SOURCES AND ACCURACY: Boundaries as mapped by T. Falkland in reports to DASETT Note - many boundaries are based on predicted extent rather than precise location.

ATTRIBUTES:	None (Note - bores and wells are mapped as point features in the cover UTILS).
KEY FILE:	WATER.KEY
SML:	WATER.SML (creates plot file used in report)

EROSION

COVER:	**EROSION**
FEATURES:	Erosion prone coastline and potential breach areas on West Island (Note - no major erosion problems on other islands have been noted)
SOURCES AND ACCURACY:	Generalised areas based on advice from ANPWS Conservator (P. Stevenson) and field inspection of some locations
ATTRIBUTES:	CODE (Erosion category) 1 Erosion prone coastline 2 Potential breach zones
LOOKUP TABLE:	EROSION.LUT (pc ARC/INFO - shadeset COLOR)
KEY FILE:	EROSION.KEY
SML:	WESTDUMP.SML (creates plot file used in report, combined with cover RUBBISH, for West Island only)

VEGETATION

COVER:	**VEG**
FEATURES:	Remnant native vegetation and stands of *Pemphis* on sandbanks in lagoon
SOURCES AND ACCURACY:	1:25,000 maps by D. Williams showing *Pemphis* community on one map and 14 classes of remnant vegetation on another. Both maps were corrected for distortion when digitized by refererence to AUSLIG 1:25,000 topo maps. Note - North Keeling is assumed to have mainly native vegetation but information on types was not available during the planning study.
ATTRIBUTES:	TYPE (vegetation classification) - see D. Williams report for explanation of types A to N

0	Other vegetation
1	Pemphis
2	Remnant veg type A
3	Remnant veg type B
4	Remnant veg type C
5	Remnant veg type D
6	Remmant veg type E
7	Remnant veg type F
8	Remnant veg type G
9	Remnant veg type H
10	Remnant veg type 1
11	Remnant veg type J
12	Remnant veg type K
13	Remnant veg type L
14	Remnant veg type M
15	Remnant veg type N

LOOKUP TABLE: VEG.LUT (pc ARC/INFO - shadeset COLOR)

KEY FILE: VEG.KEY

SML: VEG.SMI (creates plot file used in report, which includes VEG2 cover)

COVER: VEG2

FEATURES: Simplified vegetation structure including cleared areas which are predominantly grassed or built up, sparsely treed areas (mostly coconut palms), densely treed areas (coconut plantations) and semisaline swamp communities (mostly unvegetated mudflats with dense fringing shrub cover)

SOURCES AND ACCURACY: Mostly generalised boundaries derived from interpretation of air photographs and field inspection (some areas have been cleared since the 1987 air photos and are not shown on previous maps hence boundaries are only approximate - based on brief field inspection). Note - a more detailed mapping of vegetation structure would be required for detailed planning and management purposes.

ATTRIBUTES: STRUC (vegetation structure)

1	Cleared land
2	Sparse coconut trees & grass
3	Coconut plantations
4	Shrub cover
5	Settlement area
6	Swamp vegetation
7	Unvegetated beach

LOOKUP TABLE: VEG2.LUT (pc ARC/INFO - shadeset COLOR)

KEY FILE: VEG2.KEY

SML: VEG.SML (creates plot file used in report, which includes VEG cover)

BIRD HABITATS

COVER:	**HABITAT**
FEATURES:	Habitat areas used by migratory water birds together with some notes on species which are found in certain locations
SOURCES AND ACCURACY:	Generalised boundaries based on the advice of ANPWS Conservator (P. Stevenson).
ATTRIBUTES:	TYPE (habitat type) 1 Migratory birds
SML:	HABITAT.SML (creates a plot file)

MARINE HABITATS

COVER:	**MARINE**
FEATURES:	Marine habitat classification as mapped and classified by D. Williams with a generalised grouping into reef slope, reef flat and lagoon. Note - no marine habitats classificiation was available for North Keeling, however, the edge of the reef was digitized from the AUSLIG 1:5000 topographic map of North Keeling and is included in the cover NKREEF.
SOURCES AND ACCURACY:	1:25,000 map by D. Williams, based on a classified SPOT satellite image. The map was corrected for distortion when digitized by refererence to AUSLIG 1:25,000 topo maps.
ATTRIBUTES:	TYPE (generalised grouping of habitats) 1 Islands 2 Reef slope 3 Reef flat 4 Lagoon CODE (habitat classification) A Outer reef B Coral and algal flat C Coral flat D Aligned coral flat E Seagrass flat F Prograding sand sheet G Intertidal sand & silt flat H Seagrass sand & silt flat

I	Seagrass flat
J	Coral and algal flat
K	Blue hole mosaic 1
L	Blue hole mosaic 2
M	Blue hole mosaic 3
N	Algal covered staghorn
O	Massive coral outcrops
P	Emergent reef
Q	Sandy lagoon floor
R	Sand shoal
S	Sandy with seagrass
T	Seagrass bed
U	Seagrass bed - Syringodium
V	Mixed seagrass and algal bed
Y	Unidentified (code missing in original map)
Z	Islands

LOOKUP TABLE: MARTYPE.LUT (for TYPE) (pc ARC/INFO - shadeset COLOR)
MARINE.LUT (for CODE) (pc ARC/INFO – shadeset COLOR)

MARINE RESOURCES

COVER: **MARRES**

FEATURES: Important marine features including the navigation channels, 'The Rip', reef flat replenishment zone and fish nursery, which combine with the features in MARRES2 cover to produce the MARINE RESOURCES map used in the planning report

SOURCES AND ACCURACY: Generalised areas based on advice from ANPWS Conservator (P. Stevenson)

ATTRIBUTES: TYPE

0	Islands
1	The rip
2	Boat channel
3	Reef flat replenishment zone

LOOKUP TABLE: MARRES.LUT (pc ARC/INFO - shadeset COLOR)

SML: MARRES.SML (creates plot file for map used in report - combined with cover MARRES2)

COVER: MARRES2

FEATURES: As for MARINE cover, however, the cover was modified to overcome the polygon size limitation of pc ARC/INFO by subdividing large polygons. This cover is not needed for use in other ARC/INFO systems since the cover MARINE can be used. For the purposes of preparing a simplified map for the MARINE RESORCES map in the planning report, some habitat codes were grouped as indicated in the attributes section below.

SOURCES AND ACCURACY: As for MARINE cover.

ATTRIBUTES: TYPE AND CODE as for MARINE cover with grouping of codes as follows:

Seaward Reef Slope (A)
Coral and Algal Reef Flat (B, C, D, E)
Prograding Sand Sheet (F)
Intertidal Sand and Silt Flat (G)
Seagrass Flats (H,I,S,T,U, V)
Coral Flat and Patch Reefs (J,N,O,P)
Blue Holes (K,L,M)
Sandy Lagoon Floor (Q R)

LOOKUP TABLE: MARTYPE.LUT (for TYPE) (pc ARC/INFO - shadeset COLOR)
MARRES2.LUT (for CODE) (pc ARC/INFO - shadeset COLOR)

KEY FILE: MARRES2.KEY

SML: MARRES.SML (creates plot file for map used in report - combined with cover MARRES)

RECREATION RESOURCES

COVER: **RECRES**

FEATURES: Major locations of recreation activities including picnic and swimming areas, sailing, surfing, diving, reef walking, sports facilities, and other recreation areas such as the golf course and recreation spaces around West Island settlement. Other open space areas are areas with no specific facilities which are available for informal recreation.

SOURCES AND ACCURACY: Generalised boundaries based on advice from ANPWS Conservator (P. Stevenson) and others and field observations

ATTRIBUTES: TYPE (recreation resource type)

0	Open space
1	Picnic and swimming areas
2	Sports facilities
3	Other recreation space
4	Marine recreation

LOOKUP TABLE: RECRES.LUT (pc ARC/INFO - shadeset COLOR)

KEY FILE: RECRES.KEY

SML: RECRES.SML (creates plot file for map used in report)

HERITAGE SITES

COVERS: **SITES, SITES2, NKSITES**

FEATURES: Sites on the Register of the National Estate (polygons in SITES2 coverage) and other sites of heritage interest (points in SITES coverage) including cemeteries, ship wrecks, monuments and war relics. NKSITES cover includes the wreck of the 'EMDEN'.

SOURCES AND ACCURACY: Generalised locations based on advice of ANPWS Conservator (P. Stevenson) and field inspection of some sites.

ATTRIBUTES: TYPE (heritage site type) - point features in SITES and NKSITES covers

1	Oceania House

2 Cemeterys
3 Memorials
4 Ship wrecks
5 Other sites (guns, cable stn etc)

Note - site names are identified in annotation

TYPE - polygon features in SITES2 cover

1 Sites on the RNE

LOOKUP TABLE: SITES.LUT (pc ARC/INFO)

KEY FILE: SITES2.KEY

SML: SITES.SML (creates plot file for map report, using combination of these covers)

TOURIST RESORT PROPOSALS

COVER: TOURIST

FEATURES: Areas in which tourist resorts have been proposed and studies have been carried out

SOURCES AND ACCURACY: Notional boundaries suggested by proponents but not surveyed in detail

ATTRIBUTES: None

SML: TOURIST.SML (creates plot file for map used in report)

RUBBISH PROBLEM AREAS

COVER: RUBBISH

FEATURES: Areas in which dumped rubbish is a problem, mostly on beaches and in the lagoon

SOURCES AND ACCURACY: Generalised areas based on advice from ANPWS Conservator (P. Stevenson), mostly field inspected but not accurately mapped

ATTRIBUTES: DUMP

1 Rubbish problem areas

KEY FILE: RUBBISH.KEY

SML'S:	RUBBISH.SMI, WESTDUMP.SW, HOMEDUMP.SML (createplot files for maps used in report)
COVERS:	**WESTUSE2, HOMEUSE2, NORTHUSE, SOUTHUSE, OTHERUSE, NKUSE**
FEATURES:	Areas classified according to their existing use in the planning study
SOURCES AND ACCURACY:	Based on 1:10,000 cadastral map boundaries and detalled maps of settlement areas. Many boundaries were defined during the planning study.
ATTRIBUTES:	USE (land use category)

1	Airport
2	Residential
3	Community facilities
4	Commercial
5	Admin. and utility services
6	Industrial and extractive
7	Tourism
8	Recreation facilities
9	Horticulture
10	Open space
11	Roads and carparks
12	Vacant urban land

LOOKUP TABLE:	LANDUSE.LUT (pc ARC/INFO - shadeset COLOR) USE5.LUT (ARC/INFO Rev. 6 - shadeset CMYK)
KEY FILES:	LANDUSE.KEY, LANDUSE2.KEY, WESTUSE.KEY, HOMEUSE.KEY (pc ARC/INFO) USE5.KEY (ARC/INFO Rev. 6)
SML'S:	LANDUSE.SML, WESTUSE.SML, HOMEUSE.SML, (create plot files for maps used in report)
AML:	LANDUSE5.AML

LAND USE PLANNING OPTIONS

COVERS:	**WESTOPT, HOMEOPT, NORTHOPT**
FEATURES:	Areas identified in planning study as having potential for particular future uses

SOURCES AND ACCURACY:	Based on existing land use covers - boundaries defined during the planning study
ATTRIBUTES:	OPT (planning options categories - an extension of the existing land use categories)

1	Airport
2	Housing
4	Commercial Development
6	Industrial Area
7	Tourism Development
11	Roads
12	No specific Use
13	Foreshore Protection
14	Rural/Nature Conservation
15	Commonwealth Sites
16	Existing Settlements

LOOKUP TABLE:	OPT.LUT (pc ARC/INFO - shadeset COLOR) OPT2.LUT (ARC/INFO Rev. 6 - shadeset CMYK)
KEY FILES:	OPTIONS.KEY, OPTIONS2.KEY, WESTOPT.KEY, HOMEOPT.KEY (pc ARC/INFO) OPTIONSM.KEY, OPTIONS2M.KEY, WESTOPTM.KEY, HOMEOPTM.KEY (pc ARC/INFO - Cocos-Malay version) OPT5.KEY (ARC/INFO Rev. 6) OPT5M.KEY (ARC/INFO Rev. 6 - Cocos-Malay version)
SML'S:	OPTIONS.SML, WESTOPT.SML, HOMEOPT.SML, OPTIONSM.SML, WESTOPM.SML, HOMEOPTMSML (create plot files for maps used in report - last letter ‘M’ of filename indicates Cocos-Malay version)
AML:	OPTIONS2.AML

DRAFT LAND USE PLAN

COVERS:	**WESTPREF, HOMEPREF, NORPREF**
FEATURES:	Areas identified in planning study as being part of the preferred short to medium term planning strategy and included in the Draft Land Use Plan
SOURCES AND ACCURACY:	Based on planning options covers - boundaries defined during the planning study
ATTRIBUTES:	OPT (planning options categories - an extension of the existing land use categories and the same as used in the planning options covers)

1	Airport
2	Housing
4	Commercial Development
6	Industrial Area
7	Tourism Development
11	Roads
12	No specific Use
13	Foreshore Protection
14	Rural/Nature Conservation
15	Commonwealth Sites
16	Existing Settlements

LOOKUP TABLE: OPT.LUT (pc ARC/INFO - shadeset COLOR)
OPT2.LUT (ARC/INFO Rev. 6 - shadeset CMYK)

KEY FILES: OPTIONS.KEY, OPTIONS2.KEY, WESTOPT.KEY, HOMEPREF.KEY (pc ARC/INFO)
OPTIONSM.KEY, OPTION2M.KEY, WESTOTTM.KEY, HOMEPREM.KEY (pc ARC/INFO - Cocos-Malay version)

OPT5.KEY (ARC/INFO Rev. 6)

SML'S: PREF.SML, WESTPREF.SML, HOMEPREF.SML, PREM.SML, WESTPREM.SML, HOMEPREM.SML (create plot files for maps used in report - last letter M of filename indicates Cocos-Malay version)

AML: PREF2.AML

DRAFT PLANNING SCHEME

COVERS: WESTZONE, HOMEZONE, NORZONE, SOUZONE, OTHZONE

FEATURES: Areas identified in planning study as the statutory planning scheme zone and reserved land areas

SOURCES AND ACCURACY: Based on planning options covers - boundaries defined during the planning study

ATTRIBUTES: ZONE (planning scheme classification)

1	Nature Conservation
2	Foreshore Protection
3	Marine Protection
4	Common
5	Administrative Purposes
6	Housing

	7	Community
	8	Recreation
	9	Commercial
	10	Tourist
	11	Industrial
	12	Rural
	13	Vacant
	14	Roads

LOOKUP TABLE: ZONE.LUT (pc ARC/INFO - shadeset COLOR)
ZONE2.LUT (ARC/INFO Rev. 6 - shadeset CMYK)

KEY FILES: ZONE.KEY, RESERVE.KEY, WESTZONE.KEY, WESTRES.KEY, HOMEZONE.KEY, HOMERES.KEY (pc ARC/INFO)
ZONEM.KEY, RESERVEM.KEY, WESTZM.KEY, WESTRESM.KEY, HOMEZM.KEY, HOMERESM.KEY (pc ARC/INFO - Cocos-Malay version)
ZONE3.KEY, RESERVE3.KEY (ARC/INFO, Rev. 6)
ZONE3M.KEY, RES3M.KEY (ARC/INFO, Rev. 6 - Cocos-Malay version)

SML'S: ZONE.SML, WESTZONE.SML, WIINSET.SML, HOMEZONE.SML, ZONEM.SML, WESTZM.SML, WIINSETM.SML, HOMEZM.SMI, (create plot files used for maps in report - last letter M of filename indicates Cocos-Malay version)

AML: ZONE2.AML

SAMPLE SML'S AND AML'S

ZONE.SML - USED TO CREATE A PLOT FILE USING PC ARC/INFO FOR OUTPUT TO EITHER A HP 8 PEN PLOTTER OR A TEKTRONIX COLOUR PRINTER FOR THE PLANNING SCHEME MAP OF COCOS ISLANDS

(Note - the colour printer produces best fit on an A4 page rather than drawing to scale dimensions are set for an A1 page for plotter output)

```
&rem Produces a plot of Cocos islands (all)

&label start
&type
&type "Producing a colour plot of Cocos Islands"
&type
&ask 1 "Type <RETURN> to continue"
&type
&type "Enter cover required:"
&type
&ask 1 "> [ISLANDS] " ISLANDS
&type

&label dudname

&type
&type "Plot file will be named ZONEx.PLT"
&ask 6 "Enter file name [ZONE]: "ZONE
&sv 6 %6.PLT
&goto okname &if &nf %6
dialogclear
&type "%6 already exists..."
&goto dudname

&label okname

dialogclear
&type
&query 5 "Continue " &Y
&goto end &if &eq %5 N
dialogclear

&label makemap
```

```
map %6
mapext %1
mapunits meters
pageunits inches
pagesize 22 32
mapscale 25000
mappos cen cen

textfont 1
textcolor 1
textquality proportional
shadeset color

maplimits 0 0 22 26
polygonshades lagoon zone zone.lut
polygonshades westzone zone zone.lut
polygonshades souzone zone zone.lut
polygonshades homezone zone zone.lut
polygonshades othzone zone zone.lut
polygonshades norzone zone zone.lut

arclines reef 4
arclines westzone
arclines west 4
arclines home 4
arclines roads 2
arclines south 4
arclines north 4

annotext islands
annotext reef
annotext westzone 2
annotext homezone
annotext southuse
annotext norzone

maplimits 126.5 7 31
mapext nkuse
polygonshades nklagoon zone zone.lut
polygonshades nkuse use landuse.lut
arclines northk 4
arclines nkreef 4
annotext northk
annotext nkuse

maplimits page
```

```
textsize .6
move 9 31
text 'DRAFT SCHEME MAP,
textsize .25
move .5 1
text 'See Figures 19 and 20'
move .5 .5
text 'for details of West, Direction and Home Islands'


keybox .5 .5
keyseparation .75 .25

move 9 30
text 'RESERVED LAND'
keyposition 9 29.5
keyshade reserve.key
move 9.75 29.25
text 'NC'
move 9.75 27
text 'C'

move 17 30
text 'ZONES'
keyposition 17 29.5
keyshade zone.key
move 17.75 26.25
text 'T'

linesym 13
box 0 0 22 32
box 126.5 7 31

map end

&label end
```

ZONEM.SML - SIMILAR TO ZONE.SML, BUT USED TO CREATE A PLOT FILE OF THE PLANNING SCHEME IN THE COCOS-MALAY LANGUAGE

```
&rem Produces a plot of Cocos islands (all)

&label start
&type
&type "Producing a colour plot of Cocos Islands

&type
&ask 1 "Type <RETURN> to continue"
&type
&type "Enter cover required:"
&type
&ask 1 "> [ISLANDS] " ISLANDS
&type

&label dudname,

&type
&type "Plot file will be named ZONEx.PLT"
&ask 6 "Enter file name [ZONE]: "ZONE

&sv 6 %6.PLT
&goto okname &if &nf %6
dialogclear
&type "%6 already exists..."
&goto dudname

&label okname

dialogclear
&type
&query 5 "Continue " &Y
&goto end &if &eq %5 N
dialogclear

&label makemap

map %6
mapext %1
mapunits meters
pageunits inches
pagesize 22 32
mapscale 25000
mappos cen cen
```

```
textfont 1
textcolor 1
textquality proportional
shadeset color

maplimits 0 0 22 26
polygonshades lagoon2 zone zone.lut
polygonshades westzone zone zone.lut
polygonshades souzone zone zone.lut
polygonshades homezone zone zone.lut
polygonshades othzone zone zone.lut
polygonshades norzone zone zone.lut

arclines lagoon 4
arclines westzone 1
arclines west 4
arclines home 4
arclines roads 2
arclines south 4
arclines north 4

annotext islands 2
annotext lagoon 2
annotext westzone 4
annotext homezone 2
annotext southuse 2
annotext norzone 3 4

maplimits 126.5 7 31
mapext nkuse
polygonshades nklagoon zone zone.lut
polygonshades nkuse use landuse.lut
arclines northk 4
arclines nkreef 4

annotext northk 2
annotext nkuse 2

maplimits page,

textsize .6
move 9 31
text 'CONTOH KAR SKEMA'
textsize .25
move .5 1
text 'Lihat gambar 19 dan 20'
move .5 .5
text 'di mana ada keterangan pasal Pulu Tikus, Pulu Panjang dan Home Island.'
```

```
keybox .5 .5
keyseparation .75 .25

move 9 30
text 'TANAH LINDUNGAN'
keyposition 9 29.5
keyshade reservem.key
move 9.75 29.25
text 'PA'
move 9.75 27
text TU

move 17 30
text 'VATASAN-WATASAN'
keyposition 17 29.5
keyshade zonem.key
move 17.75 26.25
text 'P'



linesym 13
box 0 0 22 32
box 126.5 7 31

map end

&label end
```

ZONE2.AML - USED TO CREATE A PLOT FILE USING ARC/INFO REV. 6 AND A CALCOMP ELECTROSTATIC PLOTTER TO PRODUCE AN AO PRESENTATION MAP OF THE PLANNING SCHEME

```
ap
disp 1040
zone2.gra

mapext islands
mapunits meters
pageunits inches
pagesize 32 46
mapscale 18000
mappos cen cen

textfont 92534
textcolor 1
textquality proportional
shadeset cmyk
textset /esrimods/symbols/ncarto.txt

maplimits 0 0 32 36

polygonshades lagoon zone zone2.lut
polygonshades westzone zone zone2.lut
polygonshades souzone zone zone2.lut
polygonshades homezone zone zone2.lut
polygonshades othzone zone zone2.lut
polygonshades norzone zone zone2.lut

arclines reef 4
arclines westzone 1
arclines homezone 1
arclines norzone 1
arclines islands 4
arclines roads 2
arclines utils 3
arclines airport 3

annotext islands
annotext reef
annotext westzone 12
annotext homezone 1
annotext souzone 1
annotext norzone 1

maplimits 2 37 10 43
mapext tics nkuse
```

Chapter

10

Appendix 7: ECOWISE Environmental Report of Water Resources Component, Cocos (Keeling) Islands GIS.

Note: Includes maps supplied with the report and data.

EHYD2000/10

Report
on

Water Resources Component
Cocos (Keeling) Islands GIS

by
Tanya Whiteway and Tony Falkland
Ecowise Environmental

prepared for
Cocos Island Administration,
Department of Transport and Regional Services
&
the Australian Geological Survey Organisation

April 2001

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Abbreviations

AGSO Australian Geological Survey Organisation

DTRS Department of Transport and Regional Services

1. Executive Summary

1.1. Introduction

As outlined in the "Proposal for developing water resources 'layers' for the Cocos GIS", water resources data has been collated and entered into digital format for the following islands on the South Keeling atoll of the Cocos (Keeling) Islands;

- Home Island,
- West Island, and
- South Island.

The following data layers have been collated on a CD in ArcView shapefile format:

- Locations of freshwater lenses showing boundaries as best current information will allow.
- Locations of salinity monitoring and pollution monitoring boreholes, including co-ordinates.

Additional data and information on the CD includes:

- Tabular and graphical data showing variation of salinity (expressed in electrical conductivity units) monitoring borehole data. Data collected covers the full period of record from commencement of monitoring to late 2000.
- Tabular water quality data have been obtained from the pollution monitoring boreholes between 1998 and early 2001.
- Locations of pumping wells and manholes at the Settlement and galleries on Home Island and in the northern part of West Island (for former Quarantine Station and horticultural block), as best current information will allow.
- List of relevant reports and additional reference information.

1.2. Outputs

As required, outputs of this project include:

- Water resources layers with spatial data and attribute data on a CD (entitled Cocos Water Resources CD). This CD will be made available to the Australian Geological Survey Organisation for incorporation into the overall Cocos GIS and for subsequent distribution to the Cocos Island Administration, the Department of Transport and Regional Services and other authorised users. Separate copies of the CD can be made available, on request, to the Cocos Island Administration and the Department of Transport and Regional Services.
- This report summarising the data layers on the accompanying CD.

1.3. Recommendations

<u>(a) Need for greater accuracy of some locations</u>

While this project has mapped boreholes and water supply pumping infrastructure as accurately as possible, it is recommended that the location of boreholes and pumping wells be obtained more accurately in the field. In particular, boreholes and pump wells in the northern part of West Island should be more accurately located with differential GPS or surveyed by standard procedures. In addition, the position of gallery 8 in the northern part of Home island should be more accurately located once as-constructed drawings are finalised by others.

(b) Need for updating of water quality data at 2 year intervals

The water quality data obtained from boreholes and other sites (e.g. gallery pump wells) is obtained at regular intervals and databases are updated as part of regular monitoring program. It is recommended that the water resources information contained in this GIS be updated at appropriate intervals (e.g. every 2 years).

2. Data Location and CD Structure

The Cocos Water Resources CD consists of the following files and directories:

- Cocos.apr file
- Data directory
- Documentation directory

Details of each of these are described below:

2.1. Cocos.apr

"Cocos.apr" is an Arcview project which includes base data from "Cocos (Keeling) Islands GIS Stage 1 Report" CD data, and rectified aerial photography, as obtained from AGSO.

The project is in the same projection as the base data using Cocos (Keeling) Islands Grid 1992 (CKIG92) projection.

The project is set up with six Views:

(a) Cocos Islands Working View. (Views the entire Cocos Island water resources data set including all data sets.)

(b) West Island South View. (Detailed View of southern part of West Island including the airfield and Settlement showing boreholes, pumping wells and the approximate boundary of the "Airfield" freshwater lens.)

(c) West Island North View. (Detailed View of northern part of West Island showing boreholes, galleries for former Quarantine Station and horticultural block and the approximate boundary of the "West Island Northern" freshwater lens.)

(d) Home Island View (Detailed View of Home Island showing boreholes and approximate boundary of "Home Island Main" and "Home Island Northern" freshwater lenses.)

(e) South Island View. (Detailed View of South Island showing boreholes and approximate boundary of freshwater lenses.)

(f) Home Island Infiltration Galleries View. (Detailed View of Home Island, including boreholes and Infiltration Gallery Layouts.).

The hotlink tool (in all views of Cocos.apr) has been set up to connect salinity monitoring borehole locations with graphs showing the change in salinity from 1987 through to 2000 at each borehole. To access the hotlink, click on the hotlink button and then click on a borehole point. This will bring up an image of the graph in Internet Explorer.

There are also six layout windows (A4 paper size), one per view.

2.2. Documentation Directory

The contents of the Documentation Directory are summarised in the table below.

Contents of the Documentation Directory

File Name and Type	Properties/Description
Report.doc	• Summary of Data collection process, and data collected • Outlines the type and location of data on the CD • Outlines the metadata for all shapefiles on the CD • Lists other references to the data, and includes other sources of information for Cocos Islands water resources
Cocos Gallery Cross section (from Woodroffe and Falkland, 1997).bmp	Cross sectional Diagram of a buried infiltration gallery (Home island type)
Salinity_monitoring_bore.bmp	Cross sectional Diagram of a Salinity Monitoring Borehole
Pollution_monitoring_bore.bmp	Cross sectional Diagram of a Pollution Monitoring Borehole

2.3. Data Directory

The Data Directory consists of the following sub-directories:

- Shapefiles sub-directory
- Images sub-directory
- Excel&dbf sub-directory

2.3.1. Shapefiles Sub-Directory

The contents of the shapefiles sub-directory are summarised in the table below. Additional metadata for each shapefile, has been recorded in the metadata section of this report.

Contents of the Shapefiles sub-directory

Shapefile Name	Description
Bores.shp	Point location of salinity and pollution monitoring boreholes on all islands
Homeis_Galleries.shp	Line location of buried infiltration galleries on Home Island on Home Island
Homeis_Saline_testpts.shp	Point location of salinity testing sites situated on an infiltration gallery on Home Island
Homeis_Pumpst.shp	Point location of pump stations, pumping from an infiltration gallery on Home Island
Homeis_Manholes.shp	Point location of manholes providing access to infiltration galleries on Home Island
Homeis_lens.shp	Polygon shapefile, delineating the approximate location of the freshwater lens on Home Island
Homeislens_line.shp	Line shapefile, outlining the approximate boundary of the freshwater lens on Home Island

Westis_lens.shp	Polygon shapefile, delineating the approximate location of the freshwater lens on West Island
Westislens_line.shp	Line shapefile, outlining the approximate boundary of the freshwater lens on West Island
Westis_pumpst.shp	Point location of pump stations, pumping from an infiltration gallery on West Island
Westis_manholes.shp	Point location of manholes providing access to infiltration galleries on West Island
Westis_galleries.shp	Line location of buried infiltration galleries on West Island
Southis_lens.shp	Polygon shapefile, delineating the approximate location of the freshwater lens on South Island
Southis_lensli.shp	Line shapefile, outlining the approximate boundary of the freshwater lens on South Island
Possiblelens_extent.shp	Line shapefile indicating the possible further extent of the freshwater lens on Home Island.
Cocos_line.shp, Cocos_land.shp, and Cocos.shp	Base data collected in the initial data collection and stored on the "Cocos Stage 1 CD.

2.3.2. Images Sub-Directory

There are 89 Mr Sid rectified images for the whole of South Keeling atoll in the images sub-directory. Mr Sid files can only be read in ArcView if the Mr Sid Image Support extension tool has been selected via the files/extension menu.

2.3.3. Excel&dbf Sub-Directory

The contents of the Excel&dbf sub-directory are summarised in the table below.

Contents of the Excel&dbf sub-directory

File Name and Type	Properties/Description
AGAL_test_results_environmental_ galleries&borholes.xls	Water quality data from both galleries and pollution monitoring boreholes. Data has been recorded for June 1998, April 1999, May 1999, June 2000, April 2000, October 2000 and January 2001.
Cocos_bore_data.xls	Cocos borehole salinity data from 1987 to 2000, at approximately 3 month intervals.
Graphs_Images sub-Directory	This sub-directory contains 82 files in wmf and jpg format showing graphs of salinity (electrical conductivity or EC) variations for each salinity monitoring borehole over the full period of monitoring. The monitoring periods vary according to the year of drilling, the earliest being 1987. The graphs show the depth below ground surface to the following salinity (EC) values: 1000, 2500, 10,000, 25,000 and 40,000 µS/cm, based on linear interpolation from measurements at specific depths. These EC values correspond to salinities of 2%, 5%, 20%, 50% and 80% of seawater.

3. Shapefiles Metadata

All shapefiles collected on the CD have been converted to Cocos (Keeling) Islands Grid 1992 (CKIG92) projection, World Geodetic System 1984 (WGS 84) Datum. Metadata and a description of each shapefile is provided below.

3.1. Bores.shp

The 'bores' shapefile contains point locations of salinity monitoring and pollution monitoring boreholes.

Accuracy: Data was originally digitised from points surveyed by Nolan and Partners Surveyors, Perth. Points have been modified based on data collected from hand drawn maps, reports and local island knowledge (see references). Accuracy is within ± 20m for 80% of the points. 20% of the points, especially some of those situated on the northern part of West Island and Home Island have an accuracy of ± 50m.

Field	Properties/Description
Shape	Shapefile type (points)
Label	Borehole Labels (Excluding Island Prefix)
Borehole	Borehole Name (Including Island Prefix)
Bore Type	Salinity or Pollution Monitoring Borehole
Graph_link	Hotlink to Graphs of salinity (EC) v's time for each borehole
x-coord	X coordinates of boreholes in CKIG92, WGS 84 projection
y-coord	Y coordinates of boreholes in CKIG92, WGS 84 projection

3.2. Homeis_Galleries.shp

Homeis_Galleries.shp is a line shapefile showing location of infiltration galleries.

Accuracy: Lines have been recorded based on data collected from hand drawn maps and reports and local knowledge (see references). Location of Galleries should fall within ± 20m accuracy.

Field	Properties/Description
Shape	Shapefile type (line)
ID	Identifier
Name	Gallery Name and Number

3.3. Homeis_Pumpst.shp

The 'Homeis_Pumpst' shapefile contains point locations of water pumping wells, either as part of an infiltration gallery (Home Island and northern West Island) or as wells with short lateral pipes (West Island Settlement).

Accuracy: Points have been recorded based on data collected from hand drawn maps and reports (see references). Location of pumping wells should fall within ± 20m accuracy.

Field	Properties/Description
Shape	Shapefile type (points)
Id	Identifier
Code	Name and number of Pump station

3.4. Homeis_Manholes.shp

The 'Homeis_Manholes' shapefile contains point locations of manholes providing access to infiltration galleries shown in "homeis_galleries.shp".

Accuracy: Points have been recorded based on data collected from hand drawn maps and reports (see references). Location of manholes has been based on the location of infiltration galleries, therefore the location of manholes should fall within ± 20m accuracy.

Field	Properties/Description
Shape	Shapefile type (points)
Id	Identifier

3.5. Homeis_Saline_testpts.shp

The 'Homeis_saline_testpts' shapefile contains point locations of salinity testing sites located along Home Island infiltration galleries.

Accuracy: Points have been recorded based on data collected from hand drawn maps and reports (see references). Location of salinity testing points has been based on the location of infiltration galleries. Therefore, the location of salinity testing points should fall within ± 20m accuracy.

Field	Properties/Description
Shape	Shapefile type (points)
ID	Identifier
Name	Gallery Name and Number of the test point

3.6. Homeis_lens.shp

The 'Homeis_lens' shapefile contains polygon data indicating the approximate boundary of the Home Island freshwater lenses.

Accuracy: See comments under Westis_lens.shp.

Field	Properties/Description
Shape	Shapefile type (polygons)
Fid	Identifier
Perimeter	Total lens perimeter
Area	Total lens area

3.7. Homeislens_line.shp

The 'Homeislens_line' shapefile contains line data indicating the approximate boundary of the Home Island freshwater lenses.

Accuracy: See comments under Westis_lens.shp.

Field	Properties/Description
Shape	Shapefile type (line)
Id	Identifier
Fid	Identifier
Length	Line length

3.8. Westis_Galleries.shp

Westisis_Galleries.shp is a line shapefile showing location of infiltration galleries.

Accuracy: Lines have been recorded based on data collected from hand drawn maps and reports and local knowledge (see references). Location of Galleries should fall within ± 20m accuracy.

Field	Properties/Description
Shape	Shapefile type (line)
ID	Identifier
FID	Identifier
Name	Gallery Name and Number

3.9. Westis_Pumpst.shp

The 'Westis_Pumpst' shapefile contains point locations of water pumping wells, either as part of an infiltration gallery (Home Island and northern West Island) or as wells with short lateral pipes (West Island Settlement).

Accuracy: Points have been recorded based on data collected from hand drawn maps and reports (see references). Location of pumping wells should fall within ± 20m accuracy.

Field	Properties/Description
Shape	Shapefile type (points)
Id	Identifier
FID	Identifier
Code	Name and number of Pump station

3.10. Westis_Manholes.shp

The 'Westis_Manholes' shapefile contains point locations of manholes providing access to infiltration galleries shown in "homeis_galleries.shp".

Accuracy: Points have been recorded based on data collected from hand drawn maps and reports (see references). Location of manholes has been based on the location of infiltration galleries, therefore the location of manholes should fall within ± 20m accuracy.

Field	Properties/Description
Shape	Shapefile type (points)
FID	Identifier
Id	Identifier

3.11. Westis_lens.shp

The 'Westis_lens' shapefile contains polygon data indicating the approximate boundary of the West Island freshwater lenses.

Accuracy: Estimated extent of the freshwater boundary is based on information from salinity monitoring boreholes and some estimation based on knowledge of freshwater lens behaviour near the edges of coral islands. The boundaries are somewhat subjective and in fact are not fixed as they will move according to wet and dry periods. Hence, it is difficult to provide a general accuracy estimate. It could be said that the freshwater lens boundary would normally be within ± 30m of the boundary shown, but that this could be greater during very dry or very wet periods

Field	Properties/Description
Shape	Shapefile type (polygons)
Fid	Identifier
Perimeter	Total lens perimeter
Area	Total lens area

3.12. Westislens_line.shp

The 'Westislens_line' shapefile contains line data indicating the approximate boundary of the West Island freshwater lenses.

Accuracy: See comments under Westis_lens.shp.

Field	Properties/Description
Shape	Shapefile type (line)
Id	Identifier
Fid	Identifier
Length	Line length

3.13. Possiblelens_extent.shp

The 'Possiblelens_extent' shapefile contains line data indicating possible further extent of the freshwater lenses on Home Island.

Accuracy: See comments under Westis_lens.shp.

Field	Properties/Description
Shape	Shapefile type (line)
Id	Identifier

3.14. Southis_lens.shp

The 'Southis_lens' shapefile contains polygon data indicating the approximate boundary of the South Island freshwater lenses.

Accuracy: See comments under Westis_lens.shp.

Field	Properties/Description
Shape	Shapefile type (polygons)
Fid	Identifier
Area	Total lens area
Perimeter	Total lens perimeter

3.15. Southis_lensli.shp

The 'Southis_lensli' shapefile contains line data indicating the approximate boundary of the South Island freshwater lens.

Accuracy: See comments under Westis_lens.shp.

Field	Properties/Description
Shape	Shapefile type (line)
Id	Identifier
Length	Line length

3.16. Cocos_line.shp, Cocos_land.shp and cocos.shp

These shapefiles have been used as base data, from the original Cocos stage 1 CD. Data type and accuracy relates directly to initial data collection, carried out by AGSO. This has been reported in:

'Cocos (Keeling) Islands GIS Stage 1 Report' for Territories Office, DTRS, K Porritt, B McKay and A Lucas, AGSO, 10/2/2000.

4. List of References

(a) Reports (prepared by former Department of Housing & Construction and by ACTEW Corporation and Ecowise Environmental)

Falkland A.C. (1988). Cocos (Keeling) Islands Water Resources and Management Study. Report HWR 88/12. Hydrology and Water Resources Section, ACT Electricity and Water. prepared for Australian Construction Services, WA Region.

Falkland A.C. (1991). Cocos (Keeling) Islands. South Island Water Resources Study. Report HWR 91/002. prepared for the Cocos (Keeling) Islands Administration and the Cocos (Keeling) Islands Section of the Department of the Arts, Sport, the Environment, Tourism and Territories.

Falkland A.C. (1992). Cocos (Keeling) Islands. Review of Groundwater Resources on Home and West Islands. Report HWR 92/001. prepared for Australian Construction Services, Department of Administrative Services.

Falkland A.C. (1992). Cocos (Keeling) Islands. Further Investigations of the Northern Freshwater Lens, West Island. Report HWR92/002, Hydrology and Water Resources Branch, ACT Electricity and Water. prepared for Australian Construction Services, Department of Administrative Services.

Falkland A.C. (1993). Cocos (Keeling) Islands. Water Monitoring Reports. Report Nos HWR93/01 to HWR93/06. Hydrology and Water Resources Branch, ACT Electricity and Water. prepared for Asset Services, Cocos (Keeling) Islands.

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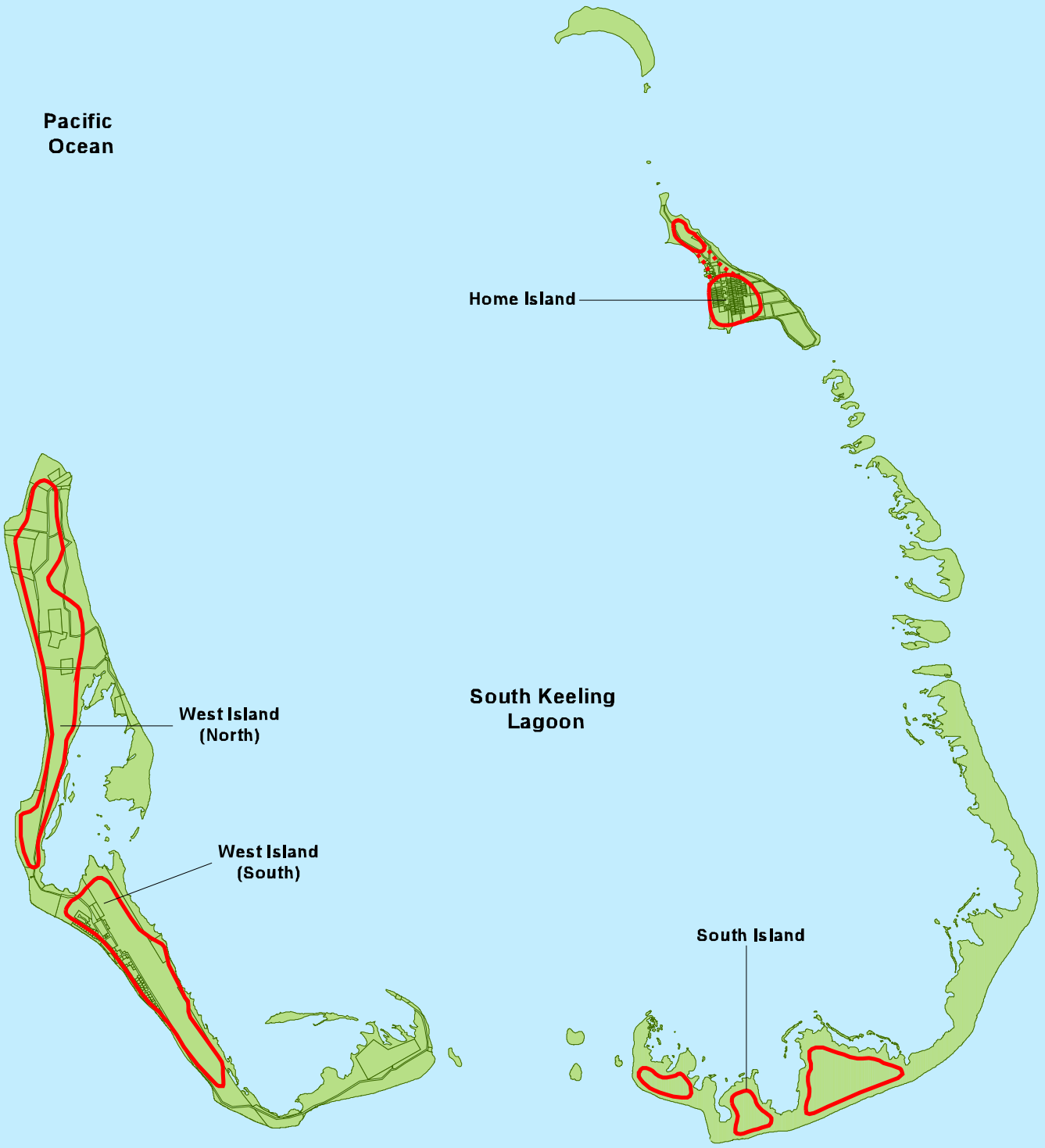
Cocos (Keeling) Islands



Map Legend

Approximate Boundary of Freshwater Lens

Cocos (Keeling) Islands

Possible further extent of freshwater lens

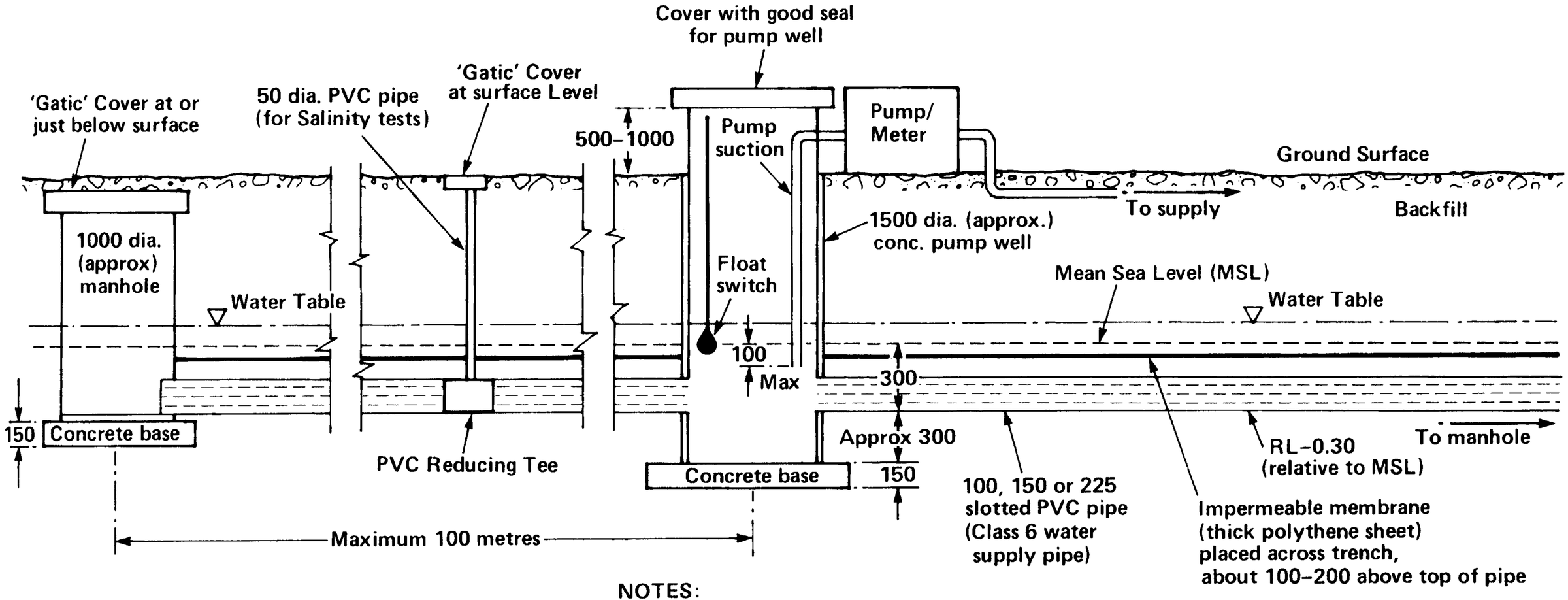
N

700 0 700 1400 2100 2800 Meters

1:70000

Projection: CKIG 1992
Datum: WGS 84

ECOWISE ENVIRONMENTAL



NOTES:

1. All joints between pipes and pump wells/manholes to be well sealed
2. Float switch level to be as close above base of pump suction as possible (without causing vortex)
3. Optional housing over pump well and pump/meter (not shown)
4. All figures in mm but drawing not to scale

Cocos (Keeling) Islands

Home Island Infiltration Galleries

Map Legend

Boreholes
- Pollution Monitoring
- Salinity Monitoring
- Salinity Test Points
- Pumping Stations
- Manholes
- Gallery Pipes
- Approximate Boundary of Freshwater Lens
- Possible further extent of Freshwater lens

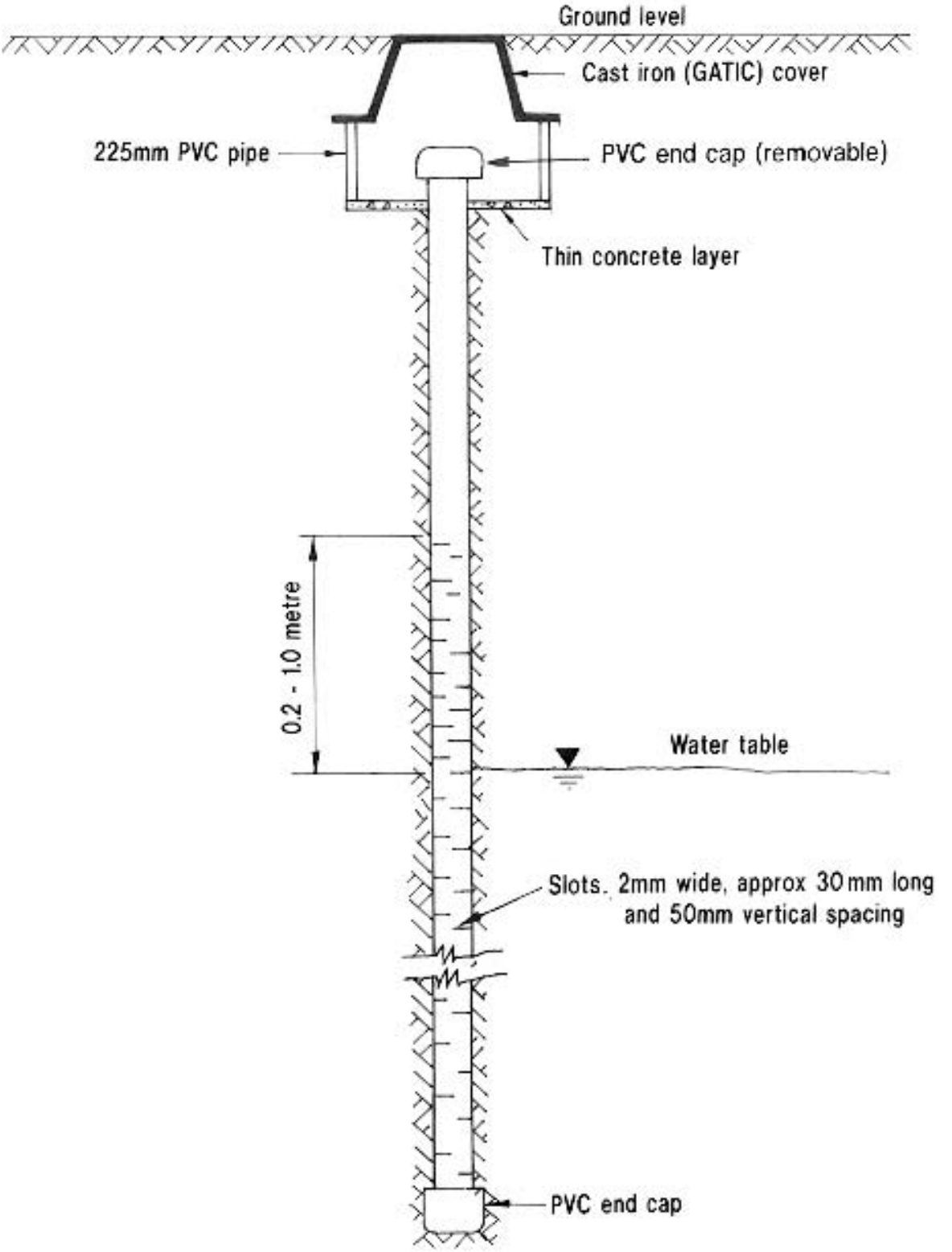
N

40 0 40 80 120 160 Meters

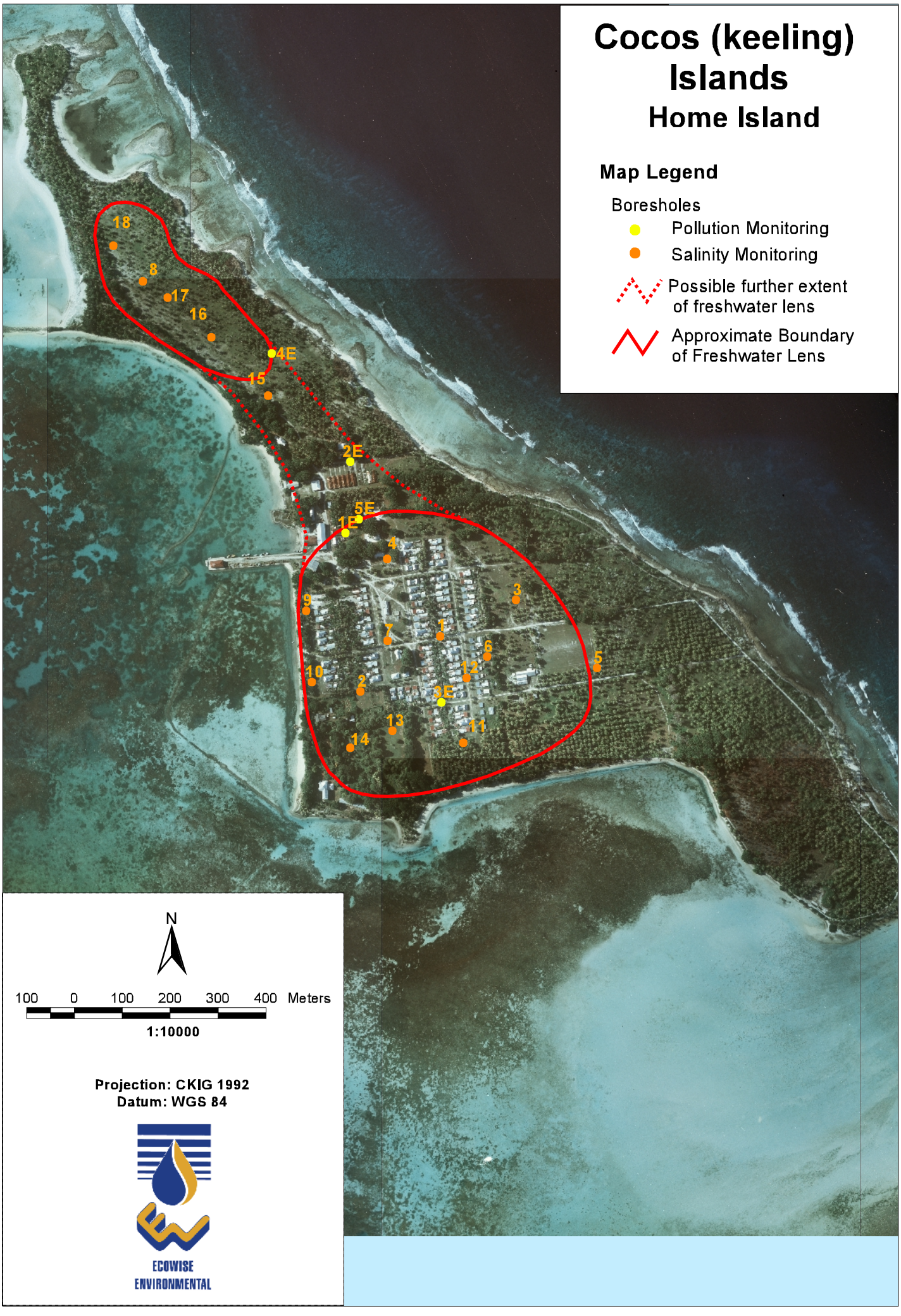
1:4000

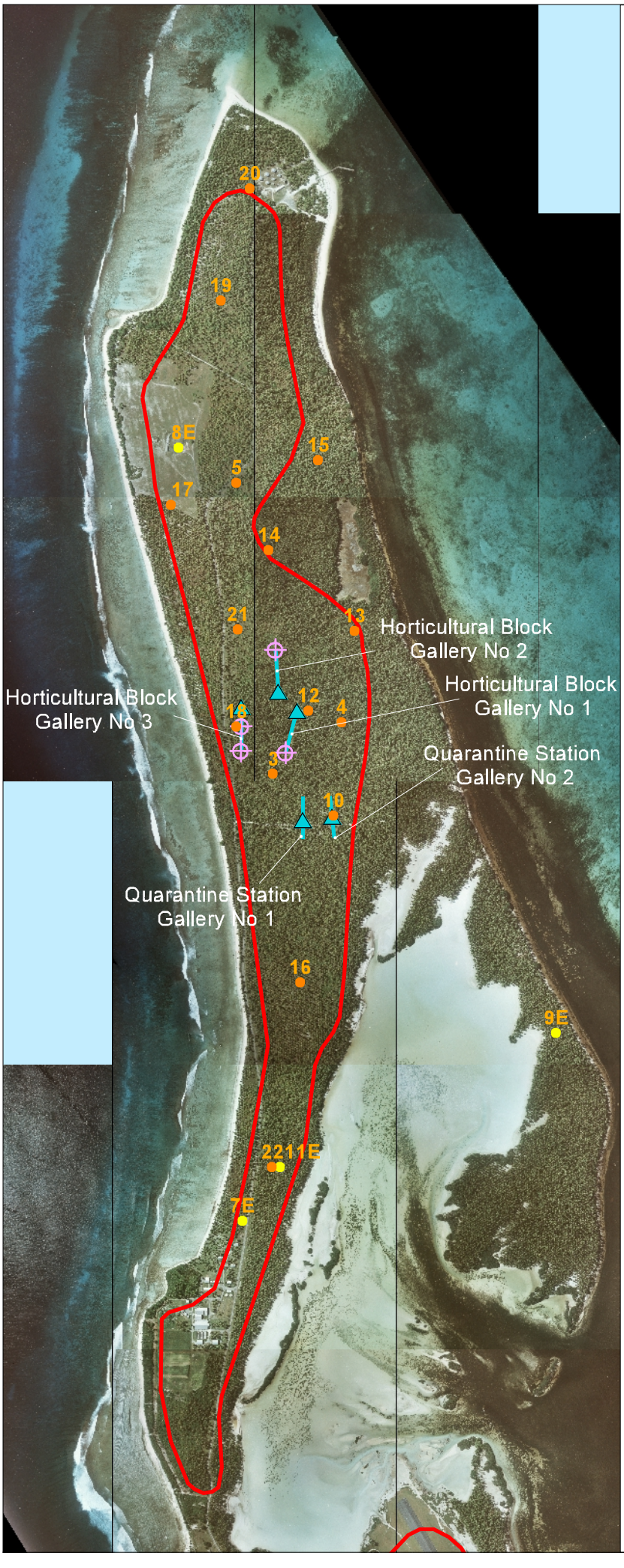
Projection: CKIG 1992
Datum: WGS 84

ECOWISE ENVIRONMENTAL



Pollution monitoring borehole: Typical installation


Cocos (keeling) Islands
Home Island
Map Legend
Boreholes
Pollution Monitoring
Salinity Monitoring
Possible further extent of freshwater lens
Approximate Boundary of Freshwater Lens
18
8
17
16
4E
15
2E
5E
1E
4
3
9
7
1
6
5
10
2
12
3E
13
11
14
N
100 0 100 200 300 400 Meters
1:10000
Projection: CKIG 1992
Datum: WGS 84
ECOWISE
ENVIRONMENTAL



Cocos (keeling) Islands

West Island (North)

Map Legend

Boreholes

- Pollution Monitoring
- Salinity Monitoring
- Pumping Stations
- Manholes
- Infiltration Gallery
- Approximate Boundary of Freshwater Lens

N

200 0 200 400 600 Meters

1:20000

Projection: CKIG 1992
Datum: WGS 84

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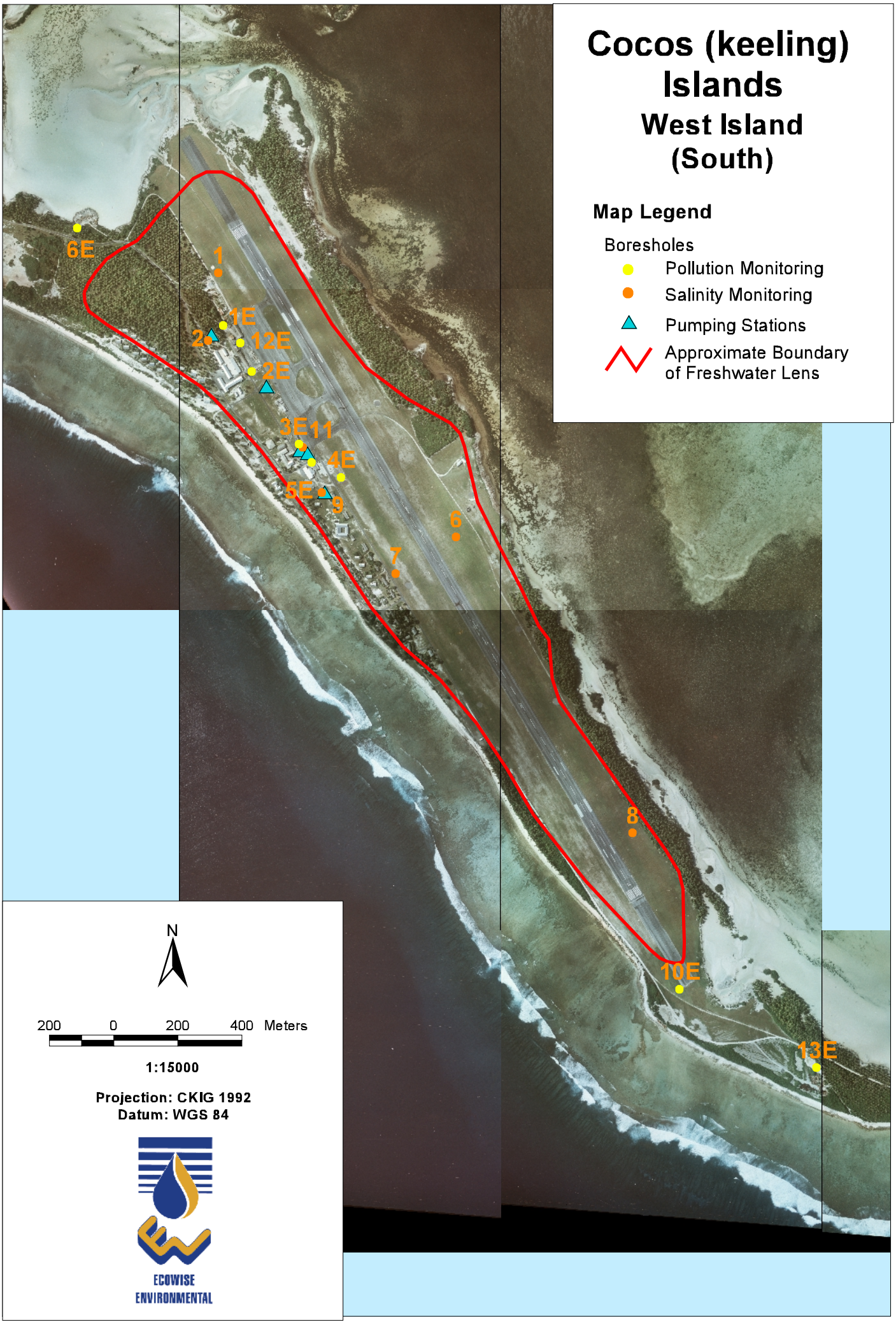

Cocos (keeling) Islands
West Island (South)
Map Legend
Boreholes
Pollution Monitoring
Salinity Monitoring
Pumping Stations
Approximate Boundary of Freshwater Lens
6E
1
1E
2
12E
2E
3E
11
4E
5E
9
6
7
8
10E
13E
N
200 0 200 400 Meters
1:15000
Projection: CKIG 1992
Datum: WGS 84
ECOWISE ENVIRONMENTAL

N

100 0 100 200 300 400 Meters

1:12000

Projection: CKIG 1992
Datum: WGS 84

Cocos (keeling) Islands

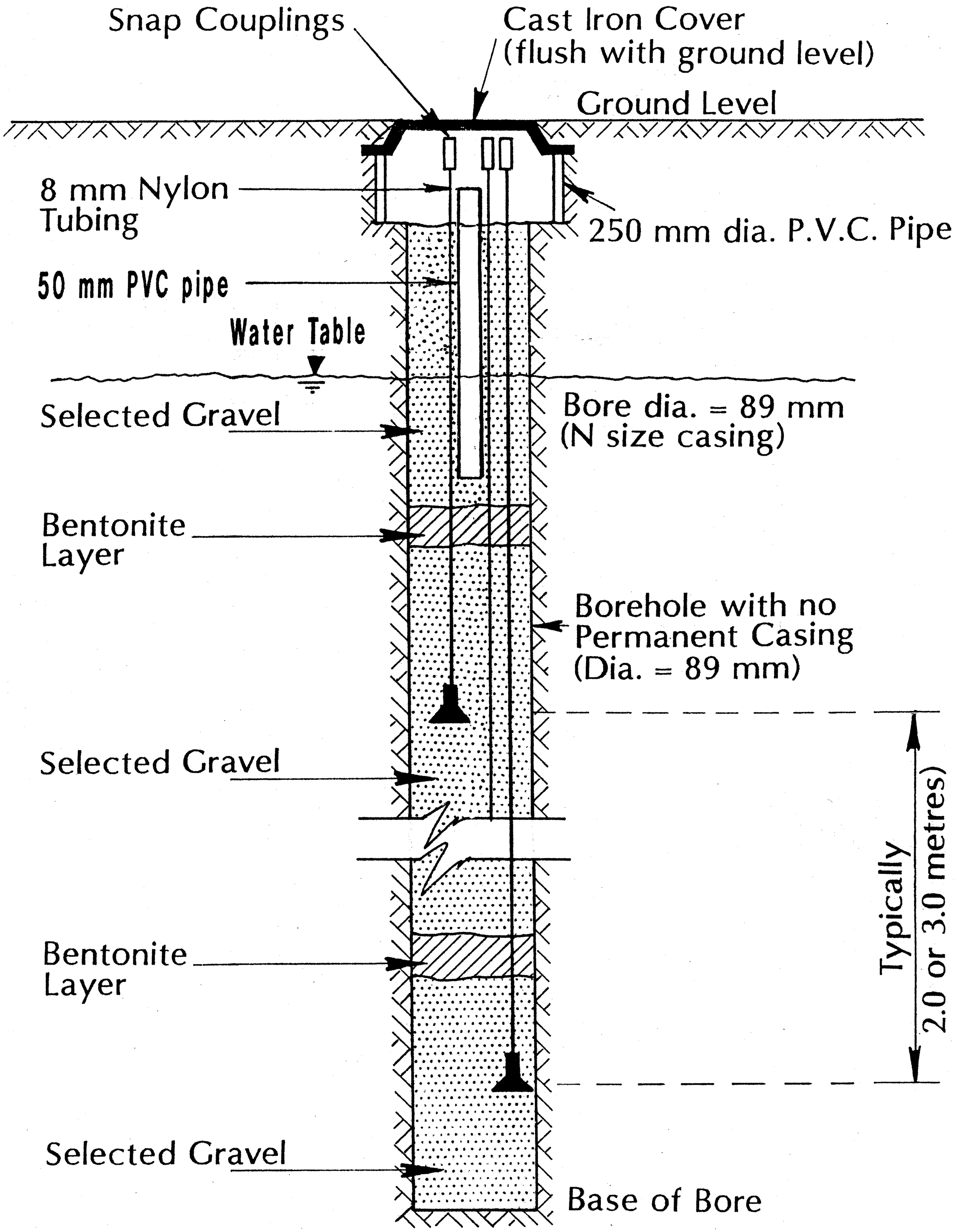
South Island

Map Legend

Boreholes

- Pollution Monitoring
- Salinity Monitoring
- Approximate Boundary of Freshwater Lens

ECOWISE ENVIRONMENTAL


Snap Couplings
Cast Iron Cover
(flush with ground level)
Ground Level
8 mm Nylon
Tubing
250 mm dia. P.V.C. Pipe
50 mm PVC pipe
Water Table
Selected Gravel
Bore dia. = 89 mm
(N size casing)
Bentonite
Layer
Borehole with no
Permanent Casing
(Dia. = 89 mm)
Selected Gravel
Typically
2.0 or 3.0 metres)
Bentonite
Layer
Selected Gravel
Base of Bore

Chapter 11

Appendix 8: Cocos GIS Data DVD.