



Government of Western Australia  
Department of Environment and Conservation

Your ref:  
Our ref:  
Enquiries:  
Phone: DEC4486  
Fax: Registrar  
Email: 1300 762982

Ben McCarthy  
Landcorp  
Locked Bag 5  
Perth Business Centre WA 6849

Dear Sir/Madam

### DETAILED SUMMARY OF RECORDS REQUEST

Thank you for your Detailed Summary of Records ("DSR") request for the site consisting of the following parcel(s) of land:

- LOT 804 ON PLAN 38196 as shown on certificate of title 2615/365 known as Henderson WA 6166 ("the Site"),

which Department of Environment and Conservation ("DEC") received on 13/04/2010.

A search of DEC's records of known and suspected contaminated sites was undertaken and the results of the search are attached for your information. A guide on how to interpret the DSR response is also attached for your information.

You may contact DEC to arrange a mutually convenient time to view the records referred to in the DSR.

General information on a Summary of Records and associated request forms is available from DEC's website on [www.dec.wa.gov.au/contaminatedsites](http://www.dec.wa.gov.au/contaminatedsites) or by contacting the Registrar on 1300 762982.

Yours sincerely

**Andrew Miller**  
SECTION MANAGER  
CONTAMINATED SITES BRANCH  
Delegated Officer under section 91  
of the *Contaminated Sites Act 2003*

21/04/2010

Enc. Detailed Summary of Records  
Guide to interpreting the Detailed Summary of Records

DIRECTOR GENERAL AND ENVIRONMENTAL SERVICES DIVISIONS: The Atrium, 168 St Georges Terrace, Perth, Western Australia 6000  
Phone: (08) 6467 5000 Fax: (08) 6467 5562 TTY: 1880 555 630

PARKS AND CONSERVATION SERVICES DIVISIONS: Executive: Corner of Australia II Drive and Hackett Drive, Crawley, Western Australia 6009  
Phone: (08) 9442 0300 Fax: (08) 9386 1578 Operations: 17 Dick Perry Avenue, Technology Park, Kensington, Western Australia 6151  
Phone: (08) 9219 8000 Fax: (08) 9334 0498 TTY: 9334 0546

Information Request  
CSSID = 2324

POSTAL ADDRESS FOR ALL DIVISIONS: Locked Bag 104, Bentley Delivery Centre, Western Australia 6983

[www.dec.wa.gov.au](http://www.dec.wa.gov.au)  
[wa.gov.au](http://wa.gov.au)



Receipt No. 142409

**Search Results**

This response relates to a search request received for:

Lot 804 On Plan 38196  
Henderson WA 6166

This parcel belongs to a site that contains 4 parcel(s).

According to Department of Environment and Conservation records, this land has been reported as a known or suspected contaminated site.

|                     |  |
|---------------------|--|
| Address             | Lot 804 On Plan 38196<br>Henderson WA 6166   |
| Lot on Plan Address | Lot 804 On Plan 38196  |
| Parcel Status       | <p><b>Classification:</b> 30/03/2010 - Possibly contaminated - investigation required</p> <p><b>Nature and Extent of Contamination:</b></p> <p>There is a plume of copper and TBT in groundwater underneath the Site. Surface soils and some deeper soils have elevated concentrations of copper and TBT. There are elevated concentrations of copper, cadmium, nickel, zinc, diuron and TBT in drains on the Site. Sediment in southern harbour adjacent to the Site has elevated concentrations of TBT.</p> <p><b>Restrictions on Use:</b></p> <p>Please refer to Reasons for Classification for further information on the contamination present at the Site.</p> <p><b>Reason for Classification:</b></p> <p>This Site was reported to the Department of Environment and Conservation (DEC) as per reporting obligations under section 11 of the 'Contaminated Sites Act 2003', which commenced on 1 December 2006. The Site classification is based on information submitted to DEC by November 2009.</p> <p>This Site is currently used for boat building and maintenance, a land use that has the potential to cause contamination, as specified in the guideline 'Potentially Contaminating Activities, Industries and Landuses' (Department of Environment, 2004). Operations at the Site are regulated through a licence issued under Part V of the 'Environmental Protection Act 1986'.</p> <p>The Site has been monitored for contamination four times per year since 2005 in accordance with licence conditions and prior to this was subject to a number of soil, sediment and groundwater investigations.</p> <p>During monitoring of the Site in 2008 copper and zinc were present in surface soils at concentrations exceeding Ecological Investigation Levels, as published in 'Assessment Levels for Soil, Sediment and Water' (Department of Environment, 2003).</p> <p>During monitoring of the Site in 2008 copper and tributyltin (TBT) were present in groundwater at concentrations exceeding marine ecosystem trigger values, as published in 'Assessment Levels for Soil, Sediment and Water' (Department of Environment, 2003) and the 'Australian and New Zealand Guidelines for Fresh and Marine Water Quality' (ANZECC,</p> |



2000).

During monitoring of the Site in 2008 TBT was present in sediment in the harbour adjacent to the Site, at concentrations exceeding interim sediment quality guidelines high trigger value, as published in the 'Australian and New Zealand Guidelines for Fresh and Marine Water Quality' (ANZECC, 2000) and the Environmental Quality Criteria for Cockburn Sound as published in the 'Environmental Quality Criteria for Cockburn Sound Reference Document for Cockburn Sound' (EPA, 2005).

As there are grounds to indicate possible contamination of the Site, and since a suitable investigation and a risk assessment to determine the risk to human health, the environment, or any environmental value has not been carried out, further works are required to determine the contamination status of the Site. The Site is therefore classified as 'possibly contaminated - investigation required'.

When the results of further soil, surface water and and groundwater investigations are submitted to DEC, these will be reviewed, and the Site may be re-classified.

Based on the available information, it appears that contamination originating from this Site may be affecting the marine environment in the adjacent harbour. As the Site appears to be a Source Site, and ongoing groundwater monitoring is required under the EP Act licence, future reports on investigation, assessment, monitoring or remediation of the Site which are submitted to DEC will need to be accompanied by a Mandatory Auditor's Report, in accordance with regulations 31(l)(b) and (c) of the Contaminated Sites Regulations 2006.

DEC, in consultation with Department of Health, has classified this Site based on the information available to DEC at the time of classification. It is acknowledged that the contamination status of the Site may have changed since the information was collated and/or submitted to DEC, and as such, the usefulness of this information may be limited.

In accordance with Department of Health advice, if groundwater is being or is proposed to be abstracted, DEC recommends that analytical testing should be carried out to determine whether the groundwater is suitable for its intended use.

Under the Contaminated Sites Act 2003, this Site has been classified as "Possibly contaminated - investigation required". For further information on the contamination status of this Site, please contact the Contaminated Sites section of the Department of Environment & Conservation.

**Type of Regulatory Notice:** Nil

**Date Issued:** Nil

**Date Issued:** Nil

Certificate of Title  
Memorandum

Client Regulatory  
Notice Issued

Certificate of  
Contamination  
Notice



Environmental  
Records

1. BAE Systems - Henderson Shipyard, DEC Licence Marine and Water Pollution Monitoring, July to December 2008 (URS, 28 January 2009)  
Report Author: URS Australia.  
[Report Date: 28/01/2009, Receival Date: 02/11/2009]
2. BAE Systems Henderson Shipyard - Historical Trend Analysis (URS, 4 September 2009)  
Report Author: URS Australia.  
[Report Date: 04/09/2009, Receival Date: 02/11/2009]
3. Tenix Defence - Henderson Shipyard, DoE Licence Marine and Water Pollution Control Monitoring, 1 July 2005 to 31 January 2006 (URS, 9 March 2006)  
Report Author: URS Australia.  
[Report Date: 09/03/2006, Receival Date: 02/11/2009]
4. Tenix Defence - Henderson Shipyard, DEC Licence Marine and Water Pollution Control Monitoring July to December 2007 (URS, 31 January 2008)  
Report Author: URS Australia.  
[Report Date: 31/01/2008, Receival Date: 02/11/2009]
5. Tenix Defence - Henderson Shipyard, DEC Licence Marine and Water Pollution Control Monitoring, 1 July to 31 December 2006 Vol 1 of 2, Report Tables & Figures (URS, 29 January 2007)  
Report Author: URS Australia.  
[Report Date: 29/01/2007, Receival Date: 02/11/2009]
6. Tenix Defence - Henderson Shipyard, DEC Licence Marine and Water Pollution Control Monitoring, 1 July to 31 December 2006 Vol 2 of 2, (URS, 29 January 2007)  
Report Author: URS Australia.  
[Report Date: 29/01/2007, Receival Date: 02/11/2009]
7. Tenix Defence - Henderson Shipyard, DEC Licence Marine and Water Pollution Control Monitoring, January to April 2007 Vol 1 Report, Figures & Tables (URS, 13 July 2007)  
Report Author: URS Australia.  
[Report Date: 13/07/2007, Receival Date: 02/11/2009]
8. Tenix Defence - Henderson Shipyard, DEC Licence Marine and Water Pollution Control Monitoring, January to April 2007 Vol 2 Appendix A-E (URS, 13 July 2007)  
Report Author: URS Australia.  
[Report Date: 13/07/2007, Receival Date: 02/11/2009]
9. Tenix Defence - Henderson Shipyard, DEC Licence Marine and Water Pollution Control Monitoring, January to June 2008 (URS, 31 July 2008)  
Report Author: URS Australia.  
[Report Date: 31/07/2008, Receival Date: 02/11/2009]
10. Tenix Defence - Henderson Shipyard, DEC Licence Marine and Water Pollution Control Monitoring, May to June 2007 (URS, 31 July 2007)  
Report Author: URS Australia.  
[Report Date: 31/07/2007, Receival Date: 02/11/2009]
11. Tenix Defence - Henderson Shipyard, DoE Licence Marine and Water Pollution Control Monitoring, 1 January to 30 June 2006 (URS, 8 August 2006)  
Report Author: URS Australia.  
[Report Date: 08/08/2006, Receival Date: 02/11/2009]
12. Tenix Defence - Henderson Shipyard, Marine and Water Pollution Control Monitoring, January to June 2005 (URS, 27 July 2005)  
Report Author: URS Australia.  
[Report Date: 27/07/2005, Receival Date: 02/11/2009]



No other information relating to this parcel.

#### Disclaimer

This Summary of Records has been prepared by Department of Environment and Conservation (DEC) as a requirement of the *Contaminated Sites Act 2003*. DEC makes every effort to ensure the accuracy, currency and reliability of this information at the time it was prepared, however advises that due to the ability of contamination to potentially change in nature and extent over time, circumstances may have changed since the information was originally provided. Users must exercise their own skill and care when interpreting the information contained within this Summary of Records and, where applicable, obtain independent professional advice appropriate to their circumstances. In no event will DEC, its agents or employees be held responsible for any loss or damage arising from any use of or reliance on this information. Additionally, the Summary of Records must not be reproduced or supplied to third parties except in full and unabridged form.



Department of Environment and Conservation

Contaminated Sites System

Site | Parcel | Contact | Reports | Query | Admin

Maintain Site

Site : 2324 42 Quill Wy, Henderson 6166 Multiple Parcels  
 Classified (Possibly contaminated - investigation required)

| Details             | Parcels       | Contacts    | Reports                  | Receptors  | Appeals | Fund | Related | Notes | Tasks | Entry |
|---------------------|---------------|-------------|--------------------------|--|---------|------|---------|-------|-------|-------|
| <b>Site Reports</b> |               |             |                          |  |         |      |         |       |       |       |
| Creation Date       | Receival Date | Report Date | Report Type              | Report Title   |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 09/03/2006  | Environmental Report     | Final Report DoE Licence Marine & Water Pollution Control Monitoring 1 July 2005-31 January 2006 (URS 09 March 2006)                   |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 29/01/2007  | Environmental Report     | DEC Licence marine & water pollution Control Monitoring 1 July to 31 December 2006 Vol 1 of 2 (URS, 29 January 2007)                   |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 29/01/2007  | Environmental Report     | DEC Licence Marine & Water pollution Control Monitoring 1 July to 31 December 2006 Vol 2 of 2 (URS, 29 January 2007)                   |         |      |         |       |       |       |
| 16/08/2007          | 25/05/2007    | 22/05/2007  | Form 1 Report            | Form 1 occ private TBT   |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 13/07/2007  | Environmental Report     | Final Report DEC Licence Marine and Water pollution Control Monitoring Jan-Apr 2007 Vol 1 Report, figures & tables (URS, 13 July 2007) |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 13/07/2007  | Environmental Report     | Final Report DEC Licence Marine & Water Pollution control Monitoring Jan-Apr 2007 Vol 2 A, (endix A-E (URS, 13 July 2007)              |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 31/07/2007  | Environmental Report     | Report DEC Licence Marine & Water Pollution control Monitoring May-June 2007 (URS, 31 July 2007)                                       |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 31/01/2008  | Environmental Report     | Report DEC Licence Marine & Water Pollution Control Monitoring July-Dec 2007 (URS, 31 January 2008)                                    |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 31/07/2008  | Environmental Report     | Final Report DEC Licence Marine & Water Pollution Control Monitoring Jan-June 2008 (URS, 31 July 2008)                                 |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 28/01/2009  | Environmental Report     | Final Report DEC Licence Marine & Water Pollution Monitoring July-Dec 2008 (URS, 28 January 2009)                                      |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 27/07/2009  | Environmental Report     | Final Report Marine & Water Pollution Control Monitoring Jan-June 2005 (URS, 27 July 2005)   |         |      |         |       |       |       |
| 10/11/2009          | 02/11/2009    | 08/08/2009  | Environmental Report     | Final Report DoE Licence Marine & Water Pollution Control Monitoring 1 Jan-30 June 2006 (URS, 08 August 2006)                          |         |      |         |       |       |       |
| Add Report          |               |             | -- Select Report Type -- |  | Add     |      |         |       |       |       |

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DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 OFFICIAL RECEIPT AND TAX INVOICE

ABN 38 052 249 024

DEC- MISC

142409

cc

District Atrium

15-4-2010

|  |    |
|--|----|
| RECEIVED from<br>(BLOCK LETTERS) <u>Landcorp</u> | of |
| on account of <u>Ben McCarthy</u>                |    |

| INVOICE/DESCRIPTION             | SHORTCODE/ACTIVITY No. | AMOUNT      |
|---------------------------------|------------------------|-------------|
| <u>Basic summary of records</u> | <u>ES</u>              | <u>3000</u> |
| <u>Melita</u>                   | Collector              |             |
|                                 | GST                    |             |
|                                 | TOTAL inc. GST         | <u>3000</u> |

COMMONWEALTH BANK  
EFTPOS  
DEPT OF ENVIRONMENT  
& CONSERVATION PERTH  
DEC INTEREST BEARING  
MERCHANT ID:Z6502101 1  
TERMINAL: 36502000

MOTO

CARD NO.:  
4715276656301896  
EXPIRY DATE: 05/11  
CREDIT 008853  
PURCHASE 300.00  
TOTAL AUD300.00

15 APR 2010 08:57  
NAB VISA PUR CARD  
REF NO. 000000003551

MOTO APPROVED 08



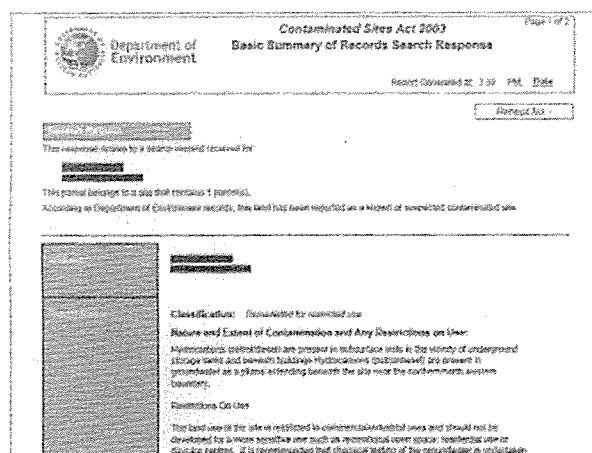


# Interpreting a summary of records

A summary of records will include information relating to a single cadastral parcel of land. Residential addresses are often comprised of one parcel of land, however a contaminated site may comprise one or more parcels of land, so if you require details on all of the parcels you will need to request a summary of records for each of those parcels.

Outlined below are the two types of summaries available - a 'basic' and 'detailed'.

## Basic Summary of Records (BSR)



In the top right hand corner, the time and date of when the report (record) was generated is displayed. The information contained in the BSR is only valid for that time and date. Sites can be reclassified at any time as more information becomes available.

Below this is a receipt number, which may or may not be filled out as it depends on how the summary was ordered. Receipt numbers are provided when a prescribed fee is required to be paid.

Down the left hand side of the page is a list of key headings in boxes, which are described in detail below.

### Search Results:

The parcel address to which the summary relates, followed by the amount of parcels included in that particular site.

e.g. this parcel of land belongs to a site that contains three parcels of land.

### Address:

The parcel address

### Parcel Status:

Contains four sections:

1. **Classification** - What classification has been given to the site (there are seven possible classifications under the Act).
2. **Nature and Extent of Contamination** – Briefly outlines where any known contamination is found on the site and what type of contamination it is. The nature and extent may differ between each parcel of the site.
3. **Reasons for Classification** – This is an explanation of the contamination issues that have been identified for that particular site. The information remains the same for each parcel of the site, as it is an overview of the whole site.

Information listed here may include:

- When and why the site was reported to the Department of Environment and Conservation (DEC) as a known or suspected contaminated site.
- What types of investigations have already been undertaken.
- Any past potentially contaminating activities.
- What contaminants of concern have been identified at the site.

- If the site has been remediated (partially or completely), and a brief description of what that remediation entailed.
- What assessment criteria were used to classify the site.
- Whether a memorial has been placed on the Certificate of Title.

4. **Restrictions on Use** – In some circumstances DEC will advise against certain activities being conducted on the parcel of land. Such restrictions may relate to the abstraction and use of groundwater, or preventing sensitive land uses such as residential landuse or schools from being established on the land.

#### **Certificate of Title Memorial:**

Four of the classifications under the Act (*Contaminated – remediation required, Contaminated – restricted use, Remediated for restricted use and Possibly contaminated – investigation required*) require a memorial be placed on the Certificate of Title, and DEC will instruct the Department of Land Information to do this. A memorial will also be placed on the Certificate of Title if a regulatory notice has been issued by DEC relating to the site. The actual wording on the memorial will be placed in this section.

#### **Current Regulatory Notice Issued:**

This section will detail if a regulatory notice has been issued against the site, or the site's owner. The information displayed will only show what type of notice has been issued (*hazard abatement, clean-up or an investigation notice*) and the date that the notice was issued. If no notice has been issued the word 'Nil' will be displayed.

#### **General:**

This section details any appeals lodged for that site, i.e. an appeal about the classification or an appeal regarding the parcel's inclusion at the site. The date the appeal was lodged will also be displayed, plus an instruction to contact the Contaminated Sites Committee for further information.

#### **Detailed Summary of Records (DSR)**

The DSR contains similar information to the BSR, however additional information is included.

#### **Certificate of Contamination Audit:**

This section details whether a certificate of contamination audit (CCA) has been issued for the site. The only information displayed on the actual DSR is the date the CCA was issued, however a copy of the CCA will be attached to the DSR.

#### **Environmental Reports:**

This section features a comprehensive list of the reports on the site held by DEC. The information will include the author, date and report title. Such reports may include management plans, sampling and analysis programs and any other information the DEC chief executive officer considers appropriate.

Contact DEC to view the documents and arrange a mutually convenient time.

#### **Need more information?**

DEC has published a series of fact sheets and administrative and technical guidelines to assist with the assessment, management and remediation of contaminated sites in Western Australia; these are available by going to [www.dec.wa.gov.au/contaminatedsites](http://www.dec.wa.gov.au/contaminatedsites).

Further information is available by mail from the address below or by calling the Contaminated Sites Section on 1300 762 982.

Contaminated Sites Section  
Department of Environment and Conservation  
Locked Bag 104  
Bentley Delivery Centre WA 6983