CSI Action Sheet

Fee Amount $ _____ RECEIPT NO. _____ RP/CoT YES NO FILE NO BNE19153

Officer	Action	Outcome	Signature & Date
Administration Officer	CSI List, UXO List, Mailtracker checked and relevant info attached to file	NO IPA	CTPI 49 30/01/04
	UXO LA Area?	Yes -forward to UXO advisor No - Write 'N/A' In UXO area below & pass to Dep. Registrar	
UXO Advisor	Assign Classification		
Deputy Registrar	Initial Entry/Update of EMR/CLR (copy EMR/CLR & CSR to file)		

GIVE UXO FILES TO UXO ADVISOR (Disposal Permit & Data Validation checks not needed)

Lot & Plan	Report No	Entry Date	Initial Status	Reclass. Date	Final Status (Rem,<thresh,SMP)

Is there a CHEM notifiable activity on UXO site? YES NO

Officer	Action	Signature & Date
Disposal Permit	Check for previous correspondence & attach to file NO	CTPI 49-Sch4 30/01/04
Data Validation	Check Notification & General files for previous correspondence & attach to file	

PLACE CHEM FILES IN APPROPRIATE ORDER IN QUEUE

Officer	Action	Signature & Date
Contact Advisor	Review Assessment	
Peer Review Advisor	Review Assessment	

Date Final Submission Received _____ Key Contaminants _____

Groundwater Contaminants _____

Studies Undertaken _____

Deputy Registrar	Final check, update, print suit stat (own & appl) & letters (own & appl & local govt)	
Contact Advisor	Check final suitability statements & letters	
Peer Review Advisor	Check final suitability statements & letters	
Delegated Officer	Final approval & sign suitability statement & letters	
GIS Officer	Enter relevant information to CSR-GIS	
Administration Officer	Mail suit. stat., smp and plan, copy to file, check CSI action sheet is complete, check file, update CSI file list, archive file	

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Please Keep on Top of File Contents

Assessor

This file has an ongoing IPA application. An information request was sent out on_____.

Please advise the IPA Officer ASAP when you receive any additional information.

The officer will advise the date that a response is required to be sent out by. Please liaise with this officer to ensure IPA timeframes are met.

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R

Armstrong Kate

From: Lucke Gavin
Sent: Wednesday, 1 May 2013 9:52 AM
To: Records
Cc: Armstrong Kate
Subject: File from Iron Mountain

Good morning

Could you please arrange for BNE19153 Volume 1 (IM#BNXL14)
to be forwarded to Kate Armstrong - Level 9 400G

Thanks, regards

Gavin Lucke
Senior Environmental Support Officer
Environmental Management & Contaminated Land Registers (EMR/CLR)
Environmental Regulatory Practice and Support
Environmental Performance & Coordination Branch

Telephone: 1300 130 372 (Option 4)
Facsimile: 07 3330 5875
Email: emr.clr.registry@ehp.qld.gov.au
Department of Environment and Heritage Protection
Level 9, 400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
www.ehp.qld.gov.au

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RTI Act 2009

R

Armstrong Kate

From: Armstrong Kate
Sent: Wednesday, 1 May 2013 4:49 PM
To: Delzoppo Lindsay
Subject: FW: Suggested response to Noosa North Shaw.

Changes as discussed

From: Armstrong Kate
Sent: Wednesday, 1 May 2013 3:58 PM
To: Delzoppo Lindsay
Subject: Suggested response to Noosa North Shaw.

The Waste and Land Contamination Assessments team is not aware of any grants or financial assistance that is available to complete the rehabilitation of the site once the contaminated sand is removed.

On the matter of the remediation of the site, for example activities including removing the ilmenite stockpiles, EHP would like to provide advice to the land holders on the manner in which an application can be made, under the Environment Protect Act 1994 seeking removal of a site from the environmental management register. Records are currently being retrieved from storage and EHP will be able to provide this advice by Friday 10 May, 2013.

Lindsay are you happy with this note?

Thanks
kate

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RTI Act 2009

From: Hambley Carma **On Behalf Of** Corro EHP ESR EPC
Sent: Monday, 29 April 2013 2:41 PM
To: Armstrong Kate
Cc: Corro EHP ESR EPC
Subject: FW: Noosa North Shore - Contaminated Site Rehab

Hi Kate

Please see below request and provide a response to ehpesrepc.corro@ehp.qld.gov.au by **COB 1 May 2013**.

Thanks
Carma

From: Wecker Benton **On Behalf Of** ESR
Sent: Monday, 29 April 2013 2:30 PM
To: Corro EHP ESR EPC
Subject: FW: Noosa North Shore - Contaminated Site Rehab

Hi EPC,

This has been reallocated from Southern ☺

Please see the below email from Andrew Freeman, Senior Policy Advisor to Minister Cripps.

R

From the email. It appears there are no relevant EHP administered programs that may assist this landholder with rehabilitation of the site.

Could you confirm if this is the case? If there is a program please provide details.

Due back to me by **10am Friday, 3 May 2013.**

Thanks ☺

Benton

From: Beach Sara **On Behalf Of** Corro EHP ESR Southern
Sent: Monday, 29 April 2013 2:28 PM
To: ESR
Cc: Sale Ben; Glosko Brett
Subject: FW: Noosa North Shore - Contaminated Site Rehab

Hi Benton,

We believe the item is best addressed by Contaminated Land Unit which sit under EPC branch, can you please reallocate this query to them?

Thanks

Sara Beach
Administration Officer
Environmental Services & Regulation
Southern Region
Department of Environment & Heritage Protection
★Ph 07 5583 2139 ★ Fax 07 5583 2136

Level 1, 14 Edgewater Court
Robina Town Centre QLD 4230

PO Box 4244
Robina QLD 4230

From: Sale Ben
Sent: Monday, 29 April 2013 1:36 PM
To: Corro EHP ESR Southern
Cc: Glosko Brett; Delzoppo Lindsay
Subject: RE: Noosa North Shore - Contaminated Site Rehab

Hi Sara

Recommend you send to Lindsay Delzoppo – the Contaminated Land Unit sits under his jurisdiction and administer the relevant provisions of the EP Act relating to the Environmental Management Register.

Thanks

Ben

Ben Sale
Manager (Sunshine Coast & Gympie)

R

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Environmental Services & Regulation | Southern Region

Ph: 07 5459 6136 | **Fax:** 07 5459 6190 | **M:** CTPI 49-Sch4

Department of Environment and Heritage Protection
P.O Box 362, Maroochydore, QLD 4558

From: Beach Sara **On Behalf Of** Corro EHP ESR Southern
Sent: Monday, 29 April 2013 12:26 PM
To: Sale Ben
Cc: Glosko Brett
Subject: FW: Noosa North Shore - Contaminated Site Rehab

Hi Ben,

Could you please review this enquiry and provide a response by 3pm Thursday 2 May 2013. If you believe another unit would be best to provide advice on this query can you please advise and I will have this request re-assigned to them.

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Administration Officer
Environmental Services & Regulation
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Hi Southern,

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From the email. It appears there are no relevant EHP administered programs that may assist this landholder with rehabilitation of the site.

Could you confirm if this is the case? If there is a program please provide details.

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From: Shaw Gary **On Behalf Of** DLO EHP
Sent: Monday, 29 April 2013 11:57 AM
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Subject: Noosa North Shore - Contaminated Site Rehab

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Re: Noosa North Shore - Contaminated Site Rehab

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From the reading of this, there would be no relevant EHP administered programs that may assist this landholder with rehabilitation of the site.

Please confirm if this is the case.

Please provide advice by 4pm Friday, 3 May 2013.

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Gary Shaw
Departmental Liaison Officer
Department of Environment and Heritage Protection
Level 13
400 George Street BRISBANE

Tel: 07 - 3330 6250 Fax: 07 - 3330 6306
E-mail: Gary.Shaw@ehp.qld.gov.au
visit us at http://www.ehp.qld.gov.au/

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RTI Act 2009

From: Fiona Procter [mailto:Fiona.Procter@ministerial.qld.gov.au]
Sent: Monday, 29 April 2013 9:59 AM
To: DLO EHP
Subject: FW: Noosa North Shore - Contaminated Site Rehab.

Hi Gary

From my reading of this, there would be no relevant EHP administered programs that may assist this landholder with rehabilitation of the site.

Could we please seek some advice from the department to confirm if this is the case?

Kind regards
Fiona

From: Andrew Freeman
Sent: Wednesday, 24 April 2013 12:30 PM

To: Fiona Procter
Subject: Noosa North Shore - Contaminated Site Rehab.

Hello Fiona

As discussed last week here is the information on this contaminated site that we are seeking assistance for rehabilitation.

Lot 1728 on Registered Plan M37789, located on the Noosa North Shore, Queensland (the site) is owned by CTPI 49-Sch4 (50%) and three others (50%). The site was purchased in 1979. The site was listed on the Queensland (QLD) Environmental Management Register (EMR), now administered by the QLD Department of Environment and Heritage Protection (DEHP), on 29 September 1999 due to the presence of low-level radiation onsite from historical ilmenite sand mining operations.

The history of the CTPI 49-Sch4 land is not well documented. It is thought that from European settlement until about 1940 the land was used for agricultural purposes, mainly dairy farming with some old dairy sheds located on site. Subsequently and up until 1970 there is recorded evidence that the land was used as a site for the processing and stockpiling of mineral sands.

A radiation survey was requested by the then Director, Radiation Health, Queensland Health (QH) in 1997 and was conducted by the Queensland Health Scientific Services. The results of the survey were provided in a report titled *The Radiological survey of ilmenite stockpiles at Noosa North Shore, Rainbow Beach and Lake Freshwater* (18 June 1997). This report provides a baseline of the site and identified the remnants of two ilmenite stockpiles known to have derived from historical sand mining operations. The larger of the stockpiles identified in the QH Report gave rise to radiation doses of 0.6uSv/h due to the presence of radioactive ilmenite and possible monazite tailings buried beneath the surface.

The Queensland Health Report recommended:
The contaminated land status of the CTPI 49-Sch4 *Freehold site be described as "managed" and that a management plan be prepared. This management plan should be developed in conjunction with a more definitive radiological characterization of the area based upon a collated site history and should include the management of the ilmenite stockpiles and residues.*

Subsequently, the site was listed on the Environmental Management Register (EMR) on 29 September 1999 under the QLD *Environmental Protection Act 1994* (the EP Act). However, the site was not listed on the Contaminated Lands Register. Prior to the Queensland Health survey the Site was purchased by the CTPI 49-Scl Family in 1979 and has remained undeveloped.

The owners of the land now have serious concerns about some aspects of the stockpiles and wish to remediate the land back to its original environment. In order to remediate the land, regrowth vegetation must be cleared to gain access to the contaminated stockpiles. This vegetation is currently mapped as 'Remnant', ecosystem 12.3.4 ('of concern') however a site inspection by members of DNRM have indicated that the area of concerned should be mapped as a 'least concern', 'Remnant' ecosystem 12.2.7.
After several months of communications with the DNRM a 'Voluntary Declaration' outcome has been established as a way to be able to remove the contaminated mineral sands thus enabling the property to be released from the Environmental managed Register.

The land owners have had discussions with Mr Phillip Moran, Natural Resource Manager from the Noosa Land Care office located at Pomona to establish the best practise for rehabilitating the site.

The attached revegetation management plan describes the situation on this piece of land, and the intent of the owners to restore vegetation to the site as required by DNRM.

In addition we were seeking support through an envirofund or everyone's environment grant or similar to complete the rehabilitation of the site once the contaminated sand is removed, estimated to be around $30 000.

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Andrew Freeman
Senior Policy Advisor
Office of the Hon. Andrew Cripps MP | Minister for Natural Resources and Mines
Phone: 07 3225 1854 | Fax: 07 3224 2491 | Mobile: CTPI 49-Sch4
QMEC Building | 61 Mary Street | Brisbane | QLD 4000
PO Box 15216 | City East | Brisbane | QLD 4002
Great State. Great Opportunity.

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Please consider the environment before printing this email.

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RTI Act 2009

BNE 19153 vol requested

Armstrong Kate

From: Armstrong Kate
Sent: Wednesday, 1 May 2013 3:58 PM
To: Delzoppo Lindsay
Subject: Suggested response to Noosa North Shaw.

The Waste and Land Contamination Assessments team is not aware of any grants or financial assistance that is available to complete the rehabilitation of the site once the contaminated sand is removed.

On the matter of the remediation of the site, for example activities including removing the ilmenite stockpiles, EHP would like to assist the land holders to reach their goal of having the site removed for the environmental management register. Unfortunately the information EHP can provide is delayed by the delivery of the appropriate records. EHP will be able to provide information to support a positive outcome of a future application for removal of the site from the environmental management register, by Friday 10 May, 2013.

Lindsay are you happy with this note?

Thanks
kate

From: Hambley Carma **On Behalf Of** Corro EHP ESR EPC
Sent: Monday, 29 April 2013 2:41 PM
To: Armstrong Kate
Cc: Corro EHP ESR EPC
Subject: FW: Noosa North Shore - Contaminated Site Rehab

Hi Kate

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Department of Environment & Heritage Protection
★Ph 07 5583 2139 ★ Fax 07 5583 2136

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Phone: 07 3225 1854 | Fax: 07 3224 2491 | Mobile CTPI 49-Sch4
QMEC Building | 61 Mary Street | Brisbane | QLD 4000
PO Box 15216 | City East | Brisbane | QLD 4002

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R

By tomorrow.

Armstrong Kate

BNE19153
Vol 1.

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Administration Officer

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Environmental Services & Regulation
Southern Region
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★Ph 07 5583 2139 ★ Fax 07 5583 2136

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Gary Shaw
Departmental Liaison Officer
Department of Environment and Heritage Protection
Level 13
400 George Street BRISBANE

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Tel: 07 - 3330 6250 Fax: 07 - 3330 6306
E-mail: Gary.Shaw@ehp.qld.gov.au
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As discussed last week here is the information on this contaminated site that we are seeking assistance for rehabilitation.

Lot 1728 on Registered Plan M37789, located on the Noosa North Shore, Queensland (the site) is owned by CTPI 49-Sch4 (50%) and three others (50%). The site was purchased in 1979. The site was listed on the Queensland (QLD) Environmental Management Register (EMR), now administered by the QLD Department of Environment and Heritage Protection (DEHP), on 29 September 1999 due to the presence of low-level radiation onsite from historical ilmenite sand mining operations.

The history of the CTPI 49-Sch4 land is not well documented. It is thought that from European settlement until about 1940 the land was used for agricultural purposes, mainly dairy farming with some old dairy sheds located on site. Subsequently and up until 1970 there is recorded evidence that the land was used as a site for the processing and stockpiling of mineral sands.

A radiation survey was requested by the then Director, Radiation Health, Queensland Health (QH) in 1997 and was conducted by the Queensland Health Scientific Services. The results of the survey were provided in a report titled *The Radiological survey of ilmenite stockpiles at Noosa North Shore, Rainbow Beach and Lake Freshwater* (18 June 1997). This report provides a baseline of the site and identified the remnants of two ilmenite stockpiles known to have derived from historical sand mining operations. The larger of the stockpiles identified in the QH Report gave rise to radiation doses of 0.6uSv/h due to the presence of radioactive ilmenite and possible monazite tailings buried beneath the surface.

The Queensland Health Report recommended:

CTS

The contaminated land status of the CTPI 49-Sch4 *Freehold site be described as "managed" and that a management plan be prepared. This management plan should be developed in conjunction with a more definitive radiological characterization of the area based upon a collated site history and should include the management of the ilmenite stockpiles and residues.*

Subsequently, the site was listed on the Environmental Management Register (EMR) on 29 September 1999 under the QLD *Environmental Protection Act 1994* (the EP Act). However, the site was not listed on the Contaminated Lands Register. Prior to the Queensland Health survey the Site was purchased by the CTPI 49-Sch Family in 1979 and has remained undeveloped.

The owners of the land now have serious concerns about some aspects of the stockpiles and wish to remediate the land back to its original environment. In order to remediate the land, regrowth vegetation must be cleared to gain access to the contaminated stockpiles. This vegetation is currently mapped as 'Remnant', ecosystem 12.3.4 ('of concern') however a site inspection by members of DNRM have indicated that the area of concerned should be mapped as a 'least concern', 'Remnant' ecosystem 12.2.7.
After several months of communications with the DNRM a 'Voluntary Declaration' outcome has been established as a way to be able to remove the contaminated mineral sands thus enabling the property to be released from the Environmental managed Register.

Genvere Humble Croft

The land owners have had discussions with Mr Phillip Moran, Natural Resource Manager from the Noosa Land Care office located at Pomona to establish the best practise for rehabilitating the site.

allow to clear to remove radioactive

The attached revegetation management plan describes the situation on this piece of land, and the intent of the owners to restore vegetation to the site as required by DNRM.

Not Finalised.

In addition we were seeking support through an envirofund or everyone's environment grant or similar to complete the rehabilitation of the site once the contaminated sand is removed, estimated to be around $30 000.

Andrew Freeman
Senior Policy Advisor
Office of the Hon. Andrew Cripps MP | Minister for Natural Resources and Mines
Phone: 07 3225 1854 | Fax: 07 3224 2491 | Mobile: CTPI 49-Sch4
QMEC Building | 61 Mary Street | Brisbane | QLD 4000
PO Box 15216 | City East | Brisbane | QLD 4002
Great State. Great Opportunity.

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DoE

SITE REPORT

EMM7040
V1.0.1

Page 1 of 1

Date Printed: 03/11/1999

EMR

Lot 1728 Plan M37789 Category NOTIFIABLE ACTIVITY Record Type BP ID 10190
Hist ID 92-3986

LGA NOOSA SHIRE COUNCIL Region SE AMA

Site Name SURFACE EXTRACTION Notified By DATACONV Notif Rec'd

Street TEEWAH BEACH ROAD Entry Date 27/06/1998 Last Altered Date 29/09/1999

Suburb NORTH SHORE Post code 4565 Ext Ref

Owner CTPI 49-Sch4

Owner

Address

Haz Cont

Post code CTPI 4

Parcel Status C Area 404700 m² File 0 Officer NIL

Offsite Disposal Date

Notifiable Activities

MINERAL PROCESSING

RADIOACTIVE CONTAMINANT

Comments

Registered Site ID 10190

Date	User ID	Corr No	Officer Name	Finalised	How Finalised
29/09/1999	BIGNELT				

ADDED RADIOACTIVE CONTAMINANT TO N.A. LIST - NOTIFICATION RECEIVED FROM RADIATION HEALTH ADVISED THAT THIS SITE IS AFFECTED BY RADIOACTIVE MATERIAL

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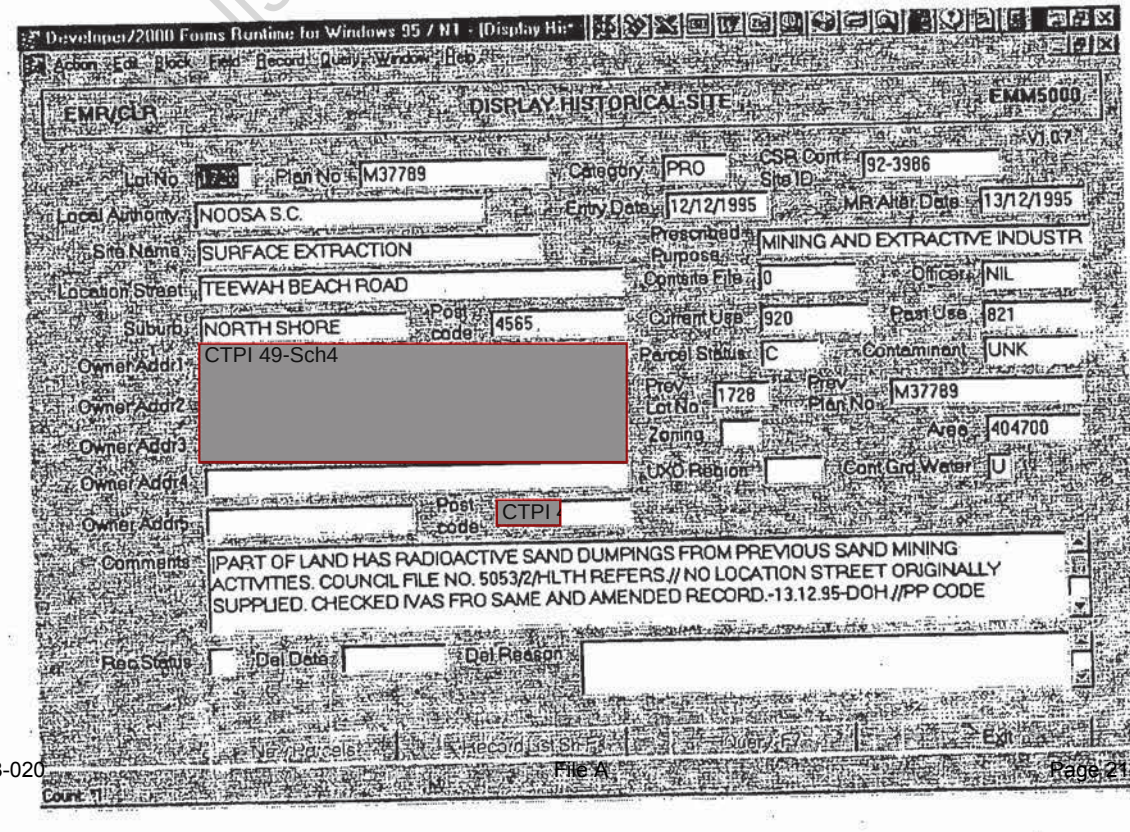

FILE COPY OF NOTIFICATION DISK

La Code: 92

Site Name: -

Category: PRO

File: 900392

SITE LOCATION:

-
NORTH SHORE
4565

Site Lot: 1728

Site Plan: M37789

OWNER ADDRESS:

CTPI 49-Sch4

11

Zoning:

Area: ~~0~~ 404720

Current Use: ~~4005~~ 420

Past Use: ~~404~~700 821

Comments: ~~8XX~~

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Already on E-WR-Site S-D-10190

Hazardous Waste and Contaminated Sites Sectio
Environmental Protection Agen
PO Box 15
BRISBANE ALBERT STREE
QLD 400
Ph: (07) 3225 1827 Fax: (07) 3227 767

Notification of Land

Sections 118E and 118F Environmental Protection Act *(1994)*

The following information should be supplied by people providing notification to the Environmental Protection Agency of contaminated land or land used for a notifiable activity under Schedule 3 of the *Environmental Protection Act 1994*.

Essential information

- *Please complete **all** information*
- *Please complete one form per lot*

Date: 19 May, 1999

- ***Please refer to the reverse side for information on how to complete this form***

1. Local government

Noosa Shire Council

2. Information provided by

Radiation Health, Queensland Health
450 Gregory Terrace

FORTITUDE VALLEY 4006

Telephone (07) 3406 8037

3. Name by which the property is known locally

N/A

4. Lot on Plan description of parcel of land

Lot **1728** Plan **M37789**

Parish **LAGUNA**

5. Location

337 Teewah Beach Road
NORTH SHORE 4565

6. Name and postal address of land owner

CTPI 49-Sch4

7. Area of parcel in square metres

(this information is used as a cross-check on the land description details)

404 700 m²

8. Notification information *(please refer to the reverse side of this form and Schedule 3 of the Environmental Protection Act 1994)*

Description of the notifiable activity/ies for which the land is or has been used and the source/s of the suspected contamination *(please list all notifiable activities that the land has been used for and provide details).*

Affected by radioactive material

9. Map or locality plan *(The processing of this information would be greatly assisted by the inclusion of a map or locality plan).*

N/A

Signature of person providing notification information

CTPI 49-Sch4

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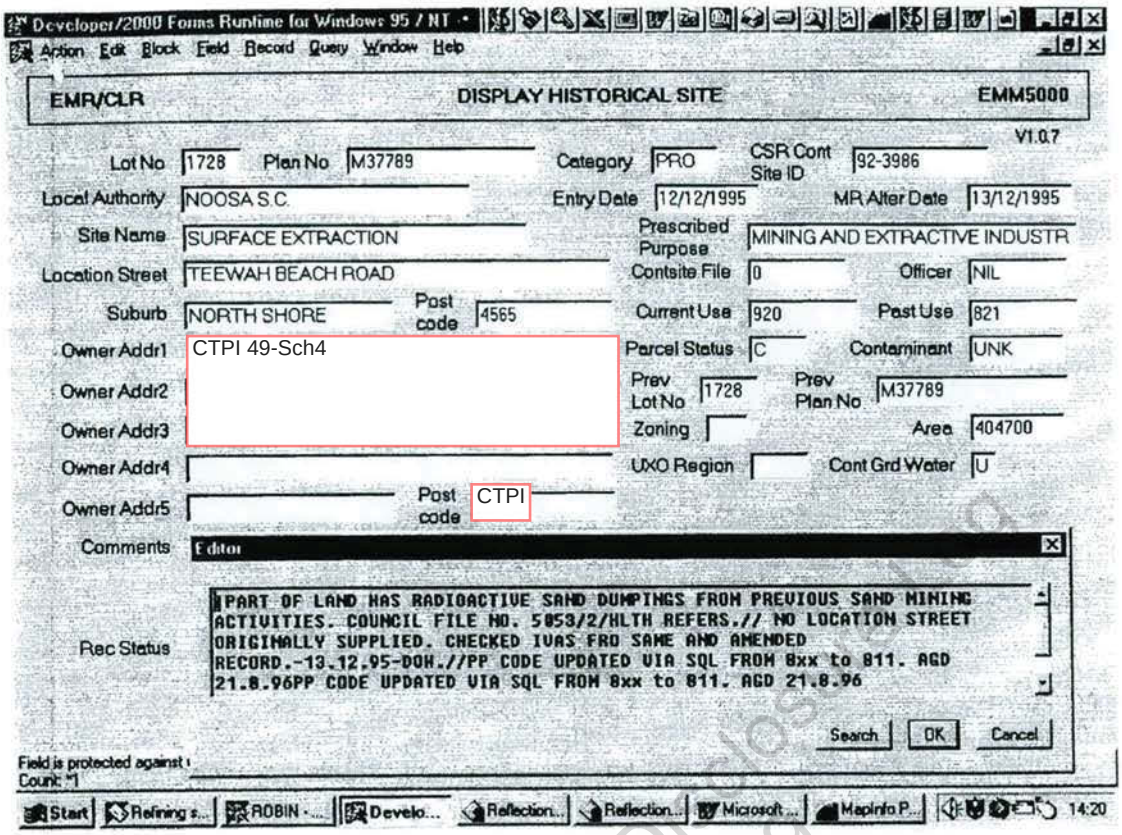

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PO Box 155 Brisbane Albert Street, Brisbane, QLD 4002

Enquiries to Tess Bignell
Telephone (07) 3225 1974
Your reference
Our reference 10190

29 September 1999

CTPI 49-Sch4

Dear CTPI 49-Sch4

Re: Notice of listing on the Environmental Management Register

The attached Notice advises you that your property, which is listed on the Environmental Management Register due to the use of the land for a notifiable activity, has also been notified by the Department of Queensland Health as being potentially affected by a radioactive contaminant.

Whilst the EPA administers the Environmental Management Register itself, the Radiation Health Unit of the Department of Queensland Health is the administering authority for all sites in Queensland potentially affected by a radioactive contaminant. Therefore, further queries or submissions concerning radioactive contaminants on the property should be directed to Radiation Health on phone (07) 3406 8000, fax (07) 3406 8030, or by mail to:

Radiation Health
Queensland Health
450 Gregory Terrace
FORTITUDE VALLEY QLD 4006

Should you have any queries concerning the role of the Environmental Management Register, or the general management of potentially contaminated land in Queensland, please contact me on (07) 3225 1974.

Yours sincerely

CTPI 49-Sch4

Tess Bignell
Acting Registrar
Contaminated Land Unit

enc.

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F Noona D.C. 1728 M37789 092-003986 092-003986 PRO

FILE COPY OF NOTIFICATION DISK

La Code: 92

Site Name: -

Category: PRO

File: 900392

SITE LOCATION:

NORTH SHORE
4565

Site Lot: 1728

Site Plan: M37789

OWNER ADDRESS:

CTPI 49-Sch4

11

Zoning:

Area: ~~0~~ 404700

Current Use: ~~4005~~ 920

Past Use: ~~404700~~ 821

Comments: ~~8XX~~

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DEPARTMENT OF ENVIRONMENT

WASTE MANAGEMENT BRANCH

Sender: David Hill, Registry Officer, Contaminated Sites Section

Telephone No: (07) 3225 1957

Address: 12th floor, 160 Ann Street, Brisbane, Queensland

Postal Address: PO Box 155, BRISBANE ALBERT STREET QLD 4002

Receiver: Ross Kleinschmidt

Facsimile No: (07) 3406 8030

Business/Section: Queensland Health, Radiation Health

Date: 17 July 1996

Number of Pages: 2 (including cover sheet)

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Re: Noosa Shire Council entries on Contaminated Sites Register

I refer to our telephone conversation today concerning 73(2)Irrelevant which is recorded on the Contaminated Sites Register for Mining and Extractive Industries (sand mining). Advice which we received from Council at the time of notification (refer table below) indicates that radioactive sand dumps exist on the site.

73(2)Irrelevant is seeking an explanation as to why the Department of Environment has listed the site on the Contaminated Sites Register. He is also interested in the adjoining property Lot 1728 on Plan M37789 73(2)Irrelevant by 73(2)Irrelevant

The details of the parcels appear below:

OWNER NAMES	SITE LOCATION	RPD	COUNCIL ADVICE
73(2)Irrelevant			
CTPI 49-Sch4	337 Teewah Beach Road North Shore 4565	Lot 1728 M37789	Radioactive sand dumpings exist on part of the land from previous sand mining activities. Council file no 5053/2/HLTH refers

Should we receive advice from Noosa Shire Council that no prescribed purpose activities occurred on the site i.e. fuel storage or mineral extraction using chemical processes, it may result in the above sites being deleted from the Contaminated Sites Register.

If this action occurs, I am concerned that the owners of the two properties may not be aware of potential hazards associated with the stockpiling of radioactive sands on Lots 73(2)Ir and 1728, and that these sites may not have been notified to Radiation Health by Noosa Shire Council.

Regards

CTPI 49-Sch4

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NOOSA

NOOSA COUNCIL

Pelican Street Tewantin
Phone (074) 49 5200

PO Box 141 Tewantin Q4565
Fax (074) 47 1062 DX 41952

Address all communications to Chief Executive Officer.
If telephoning or calling, please ask for:
Nadine Gorton (495.228)
Please quote File No.: 01675
Your Ref.:

02 July 1996

RECEIVED
03 JUL 1996
GADENS RIDGEWAY

GADENS RIDGEWAY LAWYERS
GPO BOX 129
BRISBANE QLD 4001

Dear Sir/Madam,

Re: Notice of Contaminated Site at Teewah Beach Road Noosa North Shore, described as 73(2)Irrelevant

Thank you for your letter of 12 June 1996, regarding contamination of the above mentioned site. This site has been registered as a contaminated area due to deposits of radio-active material referred to as 'Ilmenite' existing on the property. Ilmenite is a sand residue from past sand mining operations and is dark or black in colour. Council records show that the stockpiles on land owned by CTPI 49-Sch4 are relatively small, easily identifiable and are now signposted.

Council files also indicate these tailing deposits are from former mining sites in the region. Please find enclosed a copy of a report indicating the history of Council decisions with regard to evidence of radio-active material on the Noosa North Shore.

I trust this information is of assistance. If you have any further queries please do not hesitate to contact the Town Planning Department.

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Yours faithfully,

CTPI 49-Sch4

Nadine Gorton
PLANNING OFFICER

Printed on Recycled Paper

Copied from corres. attached to 73(2)Irrelevant

Council File No 5053/2/Hhm.

10/10/96 CTPI 49-Sch

Page 30

...da – 22nd February 1993

SHIRE ENGINEER'S & ACTING SENIOR ENVIRONMENTAL HEALTH OFFICER 'S REPORT:

NORTH SHORE ROAD – USE OF RADIO-ACTIVE MATERIAL

Cr. Dodd has requested through the Shire Clerk that staff submit a report to Committee on complaints from residents of the North Shore regarding the use by Council of radio-active sand to maintain roads in the area.

The radio-active material referred to is "Ilmenite" a sand residue from sand mining operations and is dark or black in colour.

The only recent evidence of this material being used for road maintenance was in February, 1992 when emergency flood damage repairs were carried out to a section of North Shore road approximately 300 to 400 metres in length. The maintenance crew involved were unaware that the material could be hazardous or that it was located on private property.

It was not until some seven (7) months later on 2nd October, 1992 that staff became aware of the problem through a complaint received from a Teewah property owner. As a result, the matter was investigated by the Council's Health Department.

On the basis of advice from the Department of Environment & Heritage that the material would break down into a fine dust and may have imposed a health hazard if inhaled, the material was removed from the track back to the stockpile on 26th October, 1992. The track was then restored using normal gravel.

Three signs have since been erected at the entrance track(s) to the stockpile on 9th November, 1992 warning of the danger of using this material. The Works Overseer has also taken steps to ensure that employees are aware that this material is not to be used again.

Previous advice on the risk to public health has been that a person would require a prolonged period of exposure to the material to be at risk.

There are two sites on the North Shore which contain stockpiles of Ilmenite material. One site is privately owned land CTPI 49-Sch4 and the other is contained within Crown Land which is designated Recreation Reserve under Council's control as trustee.

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NORTH SHORE ROAD - RADIO-ACTIVE MATERIAL (Cont'd)

The stockpiles on CTPI 49-Sch4 land are relatively small, easily identifiable and are now signposted.

The site within the Recreation Reserve contains a substantial volume of material. This site is covered with white sand and grass growth, is not readily identifiable and very few people would know of its existence. The site is not signposted.

In 1989 there was a Mining Application to remove these materials from the North Shore. It is understood that the material has some commercial use in manufacturing, however, the proposal fell through due to a drop in the market value of Ilmenite.

Council has no current plans in relation to dealing with these stockpiles. Nor is it considered appropriate for Council and its ratepayers to accept responsibility where the problem is resultant from issue of Mining Leases by previous State Governments without proper regard to restoration of the Mining Lease areas. The cost of removal or control of the material (e.g. security fencing) would be expensive.

The land containing the stockpiles will be included in the Contaminated Sites Register and could be subject to investigation by the Department of Environment & Heritage. The Department has the authority to impose conditions on contaminated sites regarding safety of storage of such radio-active materials.

Whilst the matter was the subject of a State Health Department investigation at intermittent periods in the 1980's, the only recommendation forthcoming was that the material not be used for road maintenance or construction. There has been no indication that the State intends to take action in regard to these sites or in fact whether any action is considered necessary.

[redacted]

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FILE PART CLOSED

NO FURTHER DOCUMENTS TO BE ADDED

If this file remains active, please request a new eDocs file by emailing:

records@daff.qld.gov.au

☐ Documents scanned and added to eDocs files

.....

☐ Records Management Services advised

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R

Johns Allen

From: Johns Allen
Sent: Friday, 4 October 2013 1:54 PM
To: Armstrong Kate
Subject: FW: Ministerial Enquiry
Attachments: Vegetation Management Plan DNRM_final_29.4.13 .pdf; Eco Resort Site Layout .pdf

Hi Kate,

Based on the file history please find the following comments regarding the prosed Eco Resort.

- The site is listed on the EMR for MINERAL PROCESSING and RADIOACTIVE CONTAMINANT.
- Date of enter on the EMR was 27/6/1998.
- Further consultation with QLD Health on this matter regarding RADIOACTIVE CONTAMINANT would be advised for this development as QH are the lead agency with respect RADIOACTIVE CONTAMINANT.
- In the past a SMP was recommended for the site but was never was approved.

Ta Al

Regards
Allen Johns
Principal Environmental Officer |Waste and Land Contamination Assessment Unit|
Environmental Services & Regulation |Department of Environment and Heritage Protection
Phone +61 (07) 3330 5694
Email: allen.johns@ehp.qld.gov.au
Level 9, 400 George Street, Brisbane, QLD 4001
GPO Box 2454, Brisbane QLD 4001
QUEENSLAND GOVERNMENT
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From: Armstrong Kate **On Behalf Of** WLCA
Sent: Wednesday, 2 October 2013 11:31 AM
To: Johns Allen
Subject: FW: Ministerial Enquiry

Al,

Aim for COB tomorrow please.

Thanks
Kate

~~Monday 8.~~
Friday 4/10
Spoke to Ryan Longland who advised that he would suggest an official predlgment application. No advice provided
CTPI 49-Sch4
4/10/2013
Kate Armstrong

From: SEQNorthSARA [mailto:SEQNorthSARA@dsdip.qld.gov.au]
Sent: Tuesday, 1 October 2013 5:22 PM
To: WLCA
Subject: Ministerial Enquiry

Hi WLCA,

We have had some correspondence to our Minister regarding a site on the Noosa North Shore (**337 Teewah Beach Road, Noosa North Shore Lot 1728 M37789).**

They are seeking support from the state for a proposed eco tourism operation (site layout attached), however, it appears they are on the EMR due to some mineral sand stockpiles (ilmenite).

There is also an existing vegetation management plan over the site in relation to the ilmenite remediation.

Are you able to provide preliminary advice regarding the details of the property on the EMR and what WLCAs position may be on a future eco-tourism use on that site? The site layout looks like the common facilities for the resort would be right over the top of the existing sand stockpiles which would need to be remediated.

Can you please advise of an appropriate officer I could discuss this site and the associated issues. I can be contacted as below

Regards,

Ryan Longland
Senior Planning Officer
Regional Services - SEQ (North)
Department of State Development, Infrastructure and Planning
Queensland Government
tel +6 7 5459 8294 (ext 87294)
post PO Box 1129, Maroochydore Qld 4558
visit Level 8 Mike Ahern Building, 12 First Avenue, Maroochydore Qld 4558
Ryan.Longland@dsdip.qld.gov.au

www.dsdip.qld.gov.au
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• Science, Information Technology, Innovation and the Arts
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R

VEGETATION MANAGEMENT PLAN FOR VOLUNTARY DECLARATION

NOOSA NORTH SHORE

LOT 1728 on CROWN PLAN M37789

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BACKGROUND

Lot 1728 on Registered Plan M37789, located on the Noosa North Shore, Queensland (the site) is owned by CTPI 49-Sch4 (50%) and three others (50%). The site was purchased in 1979. The site was listed on the Queensland (QLD) Environmental Management Register (EMR), now administered by the QLD Department of Environment and Heritage Protection (DEHP), on 29 September 1999 due to the presence of low-level radiation onsite from historical ilmenite sand mining operations.

The history of the CTPI 49-Sch land is not well documented. It is thought that from European settlement until about 1940 the land was used for agricultural purposes, mainly dairy farming with some old dairy sheds located on site. Subsequently and up until 1970 there is recorded evidence that the land was used as a site for the processing and stockpiling of mineral sands.

A radiation survey was requested by the then Director, Radiation Health, Queensland Health (QH) in 1997 and was conducted by the Queensland Health Scientific Services. The results of the survey were provided in a report titled *The Radiological survey of ilmenite stockpiles at Noosa North Shore, Rainbow Beach and Lake Freshwater* (18 June 1997). This report provides a baseline of the site and identified the remnants of two ilmenite stockpiles known to have derived from historical sand mining operations. The larger of the stockpiles identified in the QH Report gave rise to radiation doses of 0.6uSv/h due to the presence of radioactive ilmenite and possible monazite tailings buried beneath the surface.
The Queensland Health Report recommended:
The contaminated land status of the CTPI 49-Sch4 Freehold site be described as "managed" and that a management plan be prepared. This management plan should be developed in conjunction with a more definitive radiological characterization of the area based upon a collated site history and should include the management of the ilmenite stockpiles and residues.
Subsequently, the site was listed on the Environmental Management Register (EMR) on 29 September 1999 under the QLD *Environmental Protection Act 1994* (the EP Act). However, the site was not listed on the Contaminated Lands Register. Prior to the Queensland Health survey the Site was purchased by the CTPI 49-Sch Family in 1979 and has remained undeveloped.

The owners of the land now have serious concerns about some aspects of the stockpiles and wish to remediate the land back to its original environment. In order to remediate the land, regrowth vegetation must be cleared to gain access to the contaminated stockpiles. This vegetation is currently mapped as 'Remnant', ecosystem 12.3.4 ('of concern') however a site inspection by members of DNRM have indicated that the area of concerned should be mapped as a 'least concern', 'Remnant' ecosystem 12.2.7.

After several months of communications with the DNRM a 'Voluntary Declaration' outcome has been established as a way to be able to remove the contaminated mineral sands thus enabling the property to be released from the Environmental managed Register.

The land owners have had discussions with Mr Phillip Moran, Natural Resource Manager from the Noosa Land Care office located at Pomona to establish the best practise for rehabilitating the site. The Noosa Land Care's information is contained within this report.

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OBJECTIVES OF THE MANAGEMENT PLAN

The landowners objectives of the Vegetation Management Plan area as follows;

- **Manage, restore and protect the local regional ecosystem (12.2.7) until the area can be mapped as RE on a certified RE map.**
- **Conserve the high nature conservation and biodiversity of the identified area.**
- Clear regrowth vegetation in order to gain access to the contaminated minerals so as to remove these contaminants and then rehabilitate the site to its natural regional ecosystem.
- Removal of contaminated material for the conservation of plants & wildlife.
- Clear regrowth vegetation in a structured and managed way so as to have no negative or additional impacts on the environment.
- Rehabilitate the identified area by way of revegetation. Only plant species that are identified in ecosystem 12.2.7 are to be used.
- Manage the rehabilitation process so as to minimise soil erosion, weed growth, pest animals, wild fire and generally identify and reduce all other threats or risks.
- To reduce all other negative environmental impacts which are ultimately the result of the contaminated stockpiles.

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PROPERTY AND OWNERSHIP DETAILS

Name of Registered Owners Postal Address Point of Contact Phone / Email	CTPI 49-Sch4
Real Property Description	Lot 1728, CP M37789, Parish of Laguana
Management area subject to Management Plan	2.35 hectares
Local Government	Sunshine Coast Council
Tenure Type	Freehold
Title Encumbrances	Environmental Management Plan
Regional Ecosystem	12.2.7 Melaleuca Quinquenervia open forest to woodland on sand plains

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PROPERTY DESRCIPTION AND CURRENT OPERATIONS

The CTPI 49-Sch4 land is identified as follows.

- Lot 1728 on Registered Plan M37789;
- 337 Teewah Beach Road, Noosa North Shore, Queensland;
- A total land area of 40.4 hectares;
- The site is currently zoned as *Rural Settlement* from zone Map ZM7 within The Noosa Plan 2006 – *Amended August 2011* (Sunshine Coast Regional Council, 2006) (the Noosa Plan) and is also zoned *Rural* within the draft Sunshine Coast Regional Council Planning Scheme. In the Noosa Plan, Rural Settlement means *residential development* on a *lot* greater than 2,000 m2, regardless of whether the land is also used for hobby farming. Any zoning prior to The Noosa Plan has not been identified by this current study.

  No material changes to the site have been proposed and there are currently no proposals for rezoning or any relevant development or building approvals or applications for the site. However it must be noted that an 'as of right' resident dwelling is currently being considered by the land owners.

  Historical Chronological Dates

- *1940-1950 – Dairy Farm and Timber*
- 1950-1970 – Mineral sand stockpiling: no detailed list of users available;
- 1970-1978 – Rural uses: no details available; and
- 1978-present – CTPI 49-Sch Family: rural and recreation. leave in

  Site Condition and Surrounding Environment

- The topography of the site is dominated by low coastal dunes (<20m AHD) with associated wetlands. The average elevation of the site is approximately 5m AHD.
- There is no significant evidence of soil erosion or instability on the site.
- There are no constructed buildings on site and no infrastructure on the property.
- The land is currently used for recreational purposes.

IDENTIFIED AREA TO BE MANAGED

The extent of the vegetated area on the CTPI 49-Sch4 land that needs to be removed is defined as follows.

GPS coordinates of the rehabilitation area.

Point	Easting	Northing
1	506381	7084678
2	506389	7084709
3	506425	7084726
4	506463	7084724
5	506505	7084710
6	506537	7084697
7	506555	7084585
8	506573	7084552
9	506553	7084550
10	506409	7084570
11	506408	7084579
12	506399	7084618
13	506405	7084661

The combined area to be revegetated and managed is approximately 2.35 hectares.

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Figure 1. Area to be cleared and rehabilitated. Total area to be cleared is approximately 2.35ha.

Figure 2. Management areas A and B

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REVEGETATION AND FLORA SPECIES

The landowners intend to complete the following revegetation and management once all contaminants have been removed from the site and has been approved by the Queensland Department of Health. Land Care Noosa have given some advise as to the best practise and particular species for that are best suited for RE 12.2.7. The land owners wish to state that they will be in communications with Noosa Land Care during the removal of the contaminated sands in order to have seedling ready for when the clean up finishes.

The entire rehabilitation area identified in Figure 1 has been divided into two management areas - Area A and Area B shown in Figure 2.
Area A is where all management activities listed in the Management Activities table must occur where appropriate, including revegetation through natural regeneration and supplementary planting.
Area B has been designated as a future single residence building envelope. This area does not need to be revegetated as long as a building permit is issued for this location but must be managed for weeds and erosion. If a building permit is not issued in this area, Area B must be revegetated with species characteristic of RE 12.2.7 and managed until the vegetation is remnant.

Revegetation activities will include:

- Cleared areas shall be cultivated to relieve compaction prior to planting.
- The removal of all ground fuel will be done by hand to establish a 'blank canvas' for the revegetation to occur.
- Sediment and erosion control measures will be developed. This will be in the form of establishing designated waterways (drainage) and the use of surface stabilisation (wood chips).
- Native tree, shrub and grass species will be planted in designated areas.
- Natural regeneration of vegetation will be encouraged and supplemented by planting species specific to regional ecosystem 12.2.7.
- The spaced area for each seedling to be planted will range from between 2.5m x 2.5m and 3.5m x 3.5m.
- This spacing will result in approximately 1300 – 1600 trees per hectare.
- Early summer months (September) would be the optimum planting month. This will depend entirely on the clean up process of the contaminated sands.
- Water will be pumped onto the ground and around seedlings when first planted or until seedlings are established.
- Slash native ground covers with hand held whipper snipper to reduce ground cover thus eliminating competition for planted species. Slashing will also reduce weed growth.
- Monthly monitoring and on site visitation system for period of one year in order to check growth of trees and control weed growth.
- A single residence building envelope of 30 x 35m or 1050 square metres has been designated as Area B in Figure 2. Under the local town plan there is an 'as of right' use to build a 500m2 GFA dwelling on site. This area will still be managed to mitigate all risks and threats associated with the rehabilitation however no flora species will be replanted. It is the landowners intent to start on gaining approvals for this residence once the property has been released from the Environmental Contaminated Register.

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FLORA SPECIES TO BE USED FOR REHABILITATION

The predominant flora species to be found in regional ecosystem 12.2.7 consists of melaleuca and Eucalyptus community with a heath understorey. The land owners have discussed this flora species list with Noosa Land Care who have approved it for rehabilitation.

- Melaleuca Quinquenervia
- Eucalyptus Robusta
- Eucalyptus tereticornis
- Corymbia intermedia
- Eucalyptus Racemosa
- Eucalyptus Bancroftii
- Gahina Sieberiana
- Todea Barbara
- Lophostemon suaveolens
- Banksia Aemula

It should be noted that the predominant species to be used in the revegetation will be Malalueca Quinquenervia.

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MANAGEMENT FACTORS / ACTIONS & TIMING

Area A requires all management activities below to be implemented. The total area of Area A is 22,424 m2.

Area B requires all management activities below to be implements except for restoration / revegetation (with exception). The total area of Area B is 1050m2.

	THREATS	RISKS	ACTIONS and PERFORMANCE INDICATORS	TIMING / PROGRESS	RESPONSIBILE PARTY
VEGETATION CLEARING and MANAGEMENT	Clearing of existing vegetation not carried out in a controlled and managed practise	Some vegetation remaining having adverse impacts on the future ecosystem	Vegetation clearing will occur within the highlighted 2.35 hectare area (see mapped area). This clearing is essential to gain access to contaminated stockpiles of minerals. Vegetation will be chipped and then reused to mitigate risks for rehabilitation. Clearing of vegetation will result in outcome being achieved.	First 2 months	Land Owners
WEEDS	Weed infestation on rehabilitated area	Weed infestation will reduce native vegetation ability to regrow	Manage and control non native weed infestation. Minimise the ability for introduction, establishment and spread of non-native weeds through regular surveillance and removal.Regularly manage weeds by brush cutting and slashing eliminate competition for plant species. Road network to be incorporated in rehabilitated area for control of weed infestation. Substantial control of weed infestation will result in outcome being achieved.	Monthly for first 12 months. 6 monthly thereafter until vegetation has been established	Land Owners
DEVELOPMENT	Minimal	Development Approval to be granted with out taking the management of the rehabilitated area into consideration	'Development Area' to be incorporated within the rehabilitation area and process. An 'as of right' ability to build a residential dwelling exists within the local town plan. It is the property owners intent to apply for BA and DA for this process to begin. A building envelope is highlighted which will have different management outcomes (management of area but no revegetation). Management and control of the designated area or the completion of the residence will result in the outcome being achieved.	Annual updates for first 6 years	Land Owners/DEHM/Local Authority
LAND DEGRADATION	Minimal – slope and watercourses within rehabilitated area is very minimal.	Erosion and new watercourses develop due to clearing	Minimise adverse impacts associated with land uses and land management activities within the rehabilitated area. Wood chips to be used to mitigate soil erosion. Existing watercourse to be maintained. No significant land degradation in the managed area will result in the outcome being achieved.	Bi-monthly for first 12 months. 6 monthly thereafter until vegetation has been established	Land Owners
PEST ANIMALS	Pest animals could have an impact on the management area	Revegetation may be damaged or killed by animal pests	Control pest animals within the management area. There are no known animal pests on site. Limited pest animals noted within the managed area will result in the outcome being achieved.	Bi-monthly for first 12 months. 6 monthly thereafter until vegetation has been established	Land Owners

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FIRE	Fire to do irreversible damage to rehabilitation process	Fire could be introduced from neighbouring properties	Implement a fire management strategy for property in conjunction with National parks and rural fire brigade. Establish a fire break on the southern side of the rehabilitated area (property).	Annually	Land Owners/National park/Rural Fire Brigade
GRAZING	Nil	Nil	There are no domestic livestock on the property or any of its neighbouring properties. If domestic animals are to be introduced the land owners will notify DEHM. No livestock inhabiting the managed area will result in the outcome being achieved.	Annual	Land Owners
UNAUTHORISED ACCESS OR USE	Access is gained to the property from unauthorised people	Rehabilitation process can be affected	All areas of access to the property will be locked at all times. No access to be granted to unauthorised people. Limited disturbance to the managed area by unauthorised access will result in the outcome being achieved.	Annual	Land Owners
RESTORATION/REVEGETATION	Incorrect species will result in an incorrect ecosystem	Incorrect species will result in a different ecosystem	The correct flora species fro ecosystem 12.2.7 will be used in the revegetation of the management area. A restoration/revegetation plan is attached to this document. All vegetation to be used will be sourced from Land Care Australia. Vegetation to be described as remnant by DNRM will result in the outcome being achieved.	First 2 months	Land Owners / Land Care
OTHER			The managed area will be controlled by the land owners at all time. Any other influences that may have an adverse effect on the managed area will be mitigated by the land owners	Bimonthly	Land owners

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MONITORING and REPORTING

Ongoing monitoring will be carried out to ensure the vegetation management plan achieves the outcomes identified. The monitoring of the managed area will be a measurement of how the area is progressing in achieving the remnant status and managing the potential threats and risks to achieve this outcome.

Monitoring will be undertaken by form of physical and visual inspections as well as photographic evidence showing the date, location and direction. Permanent photo monitoring points will be established in the rehabilitation area by installing steel pegs. The pegs will be numbered and shown on a map in the first report to DNRM. The pegs will have a sign on them indicating the peg number,date, time and direction of photograph and will be included in each photograph taken.

Data collection of the rehabilitation progress including photo monitoring will occur annually for the first five years then biennially until the area can be mapped as remnant vegetation.

The land owners also intend to report to the DNRM under a long term revegetation/restoration. This reporting will occur annually for the first five years then two yearly after that (or up until the revegetated area is defined as remnant). This report will encompass all the particulars that DNRM stipulate (Lot and Plan, owners details, photo monitoring, species present, average canopy cover and height of vegetation, overview of the progress of the management area, outline all risks and threats that have become apparent ect)

Figure 3. Location of rehabilitation area and property within a local context.

Figure 4. Location of rehabilitation area (yellow outline) within property.

SITE REVEGETATION MAP

The map below demonstrates where revegetation will occur (Area A). Revegetation will occur over the entire rehabilitation area except for within a fire management line, proposed residential building envelope and access tracks identified on the map below.

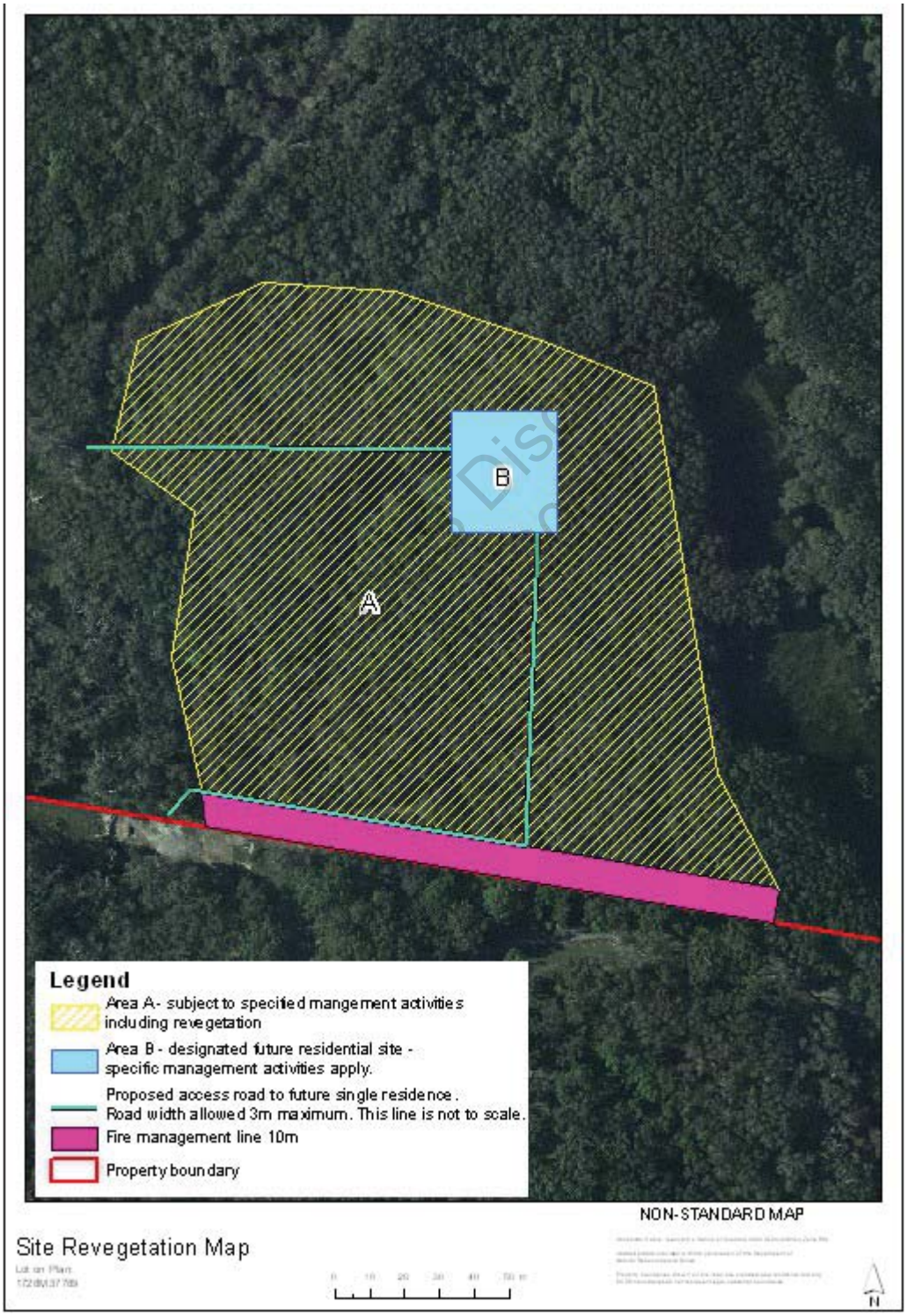

Figure 5: Site Revegetation Map

CONCLUSION

We reiterate that the purpose for removing the vegetation is to rehabilitate the site back to the original environment. The site has been contaminated by mineral sands, which is a by product of the mineral sand industry in the 1950's – 1970's. This mineral sand mining was granted approval by the Queensland Department of Mines and the contaminated stockpile is ultimately this departments responsibility.

This action for remediation was approved by the Queensland Mines and Energy Department to remove the contaminated stockpiles so the site could be transformed back to near natural conditions in their Cooloola Coast report of 1997 and also actioned by the Queensland Department of Health in 1997 and 2012. The Government has even suggested that they themselves carry this remediation process out.

The vegetation located on the area of concern is currently mapped as 'Remnant', ecosystem 12.3.4 ('of concern') however a site inspection by members of DNRM have indicated that the area of concerned should be mapped as a 'least concern', 'Remnant' ecosystem 12.2.7.

It has since been the advise of DNRM that a 'Voluntary Declaration' for the clearing of existing vegetation and for ongoing management of the concerned area be submitted for approval.

This management plan highlights that the site has been highly disturbed in the past and is currently contaminated. We strongly are of the opinion that the current Vegetation Act does not allow for such situations and that the existing mapping is incorrect. The voluntary declaration submitted should result in a positive outcome to this long existing situation for a true, rehabilitated site.

We understand that the current Queensland Government is introducing new vegetation legislation in approximately September of this year. If this new legislation has any bearing or influence regarding rehabilitation and remediation, we would like the remediation of this site to be assessed under the new legislation. Our proposed time table for these remediation works would not occur until the end of the year as there is a need to remove the contaminated sands first and at that time the new legislation should be gazetted.

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150 m.

241.69 m.

122.03 m.

(238.62 m.)

ENTRY

21.39 m.

NORTH

PREVAILING BREEZES

150 m

VIEW OF THE SEA ON ENTRY

B

20

PREVAILING BREEZES LATE NOON OFTEN STRONG

200 m.

3

FAMILY

2

FAMILY

1

ACCOM. FOR LARGER FAMILIES

FORMER BEACH PROTECTION LINE

NOTIONAL LINE OF BEACH PROTECTION AS AGREED WITH B.P.A. BY SURVEY

FINAL LINE

B

N° 5 BA

B

BEACH SIDE ACCOMODATION (REMOVABLE)

EXISTING CONVENIENT ENTRY TRACK BUILDING PERIOD

noosa north
ECO RESORT

20

TO BEACH

FOOTBRIDGE

4

FAMILY

COMMON AREA

HORSE STABLES

FOR EDUCATION

PARK

MANAGER ABOVE

ARRIVAL

CLUBHOUSE

EXHIBITIONS MEET + EDUCATION

KITCHEN / LOBBY etc.

PLANTING

40 CAR PK. CASUAL CARAVAN PARK

STAFF ACCOM.

SUPPORT AREA

MOTOR VEHICLES

LARGER FAMILIES

6

5

lagoon.

0 10 50 100 150m.

scale. 1:1500 AT B1 SIZE

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DERM

SITE REPORT

Date Generated:03/10/2013

EMM7040 V1.1.0

EMR

Lot:	1728	**Plan:**	M37789
Category:	NOTIFIABLE ACTIVITY		
LGA:	Sunshine Coast Regional Council		
Site Name:	SURFACE EXTRACTION		
Street:	TEEWAH BEACH ROAD		
Suburb:	NORTH SHORE	**Post Code:**	4565
Owner	CTPI 49-Sch4		
Address			
Post Code			

Rec Type:	BP	**ID:**	10190
Region:		**Hist. ID:**	92-3986
AMA/AN:			
Notified By:	DATACONV	**Notif. Rec'd:**	
Entry Date:	27/06/1998	**Last Altered Date:**	06/05/2008
File:	BNE19153		
Officer:	NIL		
Parcel Status:	C	**Area:**	404700 m2

External References

BNE 19153

Hazardous Contaminants

Notifiable Activities

MINERAL PROCESSING

RADIOACTIVE CONTAMINANT

Comments

Create Date	User ID	Corr No	Officer Name	Date Final	How Finalized
29/09/1999	BIGNELT				
ADDED RADIOACTIVE CONTAMINANT TO N.A. LIST - NOTIFICATION RECEIVED FROM RADIATION HEALTH ADVISED THAT THIS SITE IS AFFECTED BY RADIOACTIVE MATERIAL					
03/11/1999	MILINOA	99/17687	BIGNELL		
OWNER LETTER OF 27/10/99 REQUESTS REVIEW OF LISTING ON EMR, AS ONLY A SMALL AREA AFFECTD BY ILMENITE. TO BE REFERRED TO R.H. TO REVIEW AND PROVIDE MORE INFORMATION TO OWNERS.					
30/01/2004	MCINTOC				
FILE NUMBER ADDED 30/01/04					

(wka) noors a north sore.

"SDIP request to info"

CTPI 49-Sch4

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Enquiries Greg O'Brien
Telephone (07) 32244514
Your reference
Our reference

23 January 2004

Uma Rajappa
Queensland Health Radiation Health
450 Gregory Terrace
Fortitude Valley QLd 4006

Dear Ms Rajappa

MANAGEMENT OF ILMENITE STOCKPILES 337 TEEWAH BEACH ROAD NOOSA NORTH SHORE

Attached is correspondence regarding assessment and management issues for the above material referred for any action you consider necessary.

I have had some discussions with the consultant for the owner involving accepted remediation processes of removal of the contaminated material to a specific part of the land for containment in a dedicated cell. This process would finalised by a reconfiguration of the land and submission of a draft Site Management Plan for approval specifying conditions for the use of the land.

Please advise should you require any additional information.

Yours sincerely

Greg O'Brien
Chief Scientific Advisor Contaminated Land

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160 Ann Street Brisbane
Queensland 4000 Australia
PO Box 155 Brisbane Albert Street
Queensland 4002 Australia
Telephone
Facsimile
Website www.epa.qld.gov.au
ABN 87 221 158 786

R

Kim Barry

From: Uma Rajappa [Uma_Rajappa@health.qld.gov.au]
Sent: Friday, 30 April 2004 2:22 PM
To: kim.barry@epa.qld.gov.au
Subject: Enquiries to:

EPA - sn 2028.doc

****
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P1

5-8-1997

THE RADIOLOGICAL SURVEY OF ILMENITE STOCKPILES AT NOOSA NORTH SHORE, RAINBOW BEACH AND LAKE FRESHWATER

Introduction

A radiation survey of ilmenite stockpiles at the Noosa North Shore, Rainbow Beach and Lake Freshwater areas was requested 13 June 1997 by Mr Simon Critchley, Director, Radiation Health, Queensland Health.

An on site survey of the ilmenite stockpiles was carried out by Mr Bruce Wallace, Queensland Health Scientific Services 18 June 1997 with the support of Mr David Carmichael, Department of Mines and Energy; Mr Glen Tipman, Department of Environment; and Mrs Matty Pile, Radiation Health, Queensland Health.

Pending the analyses of samples collected during the survey a draft preliminary report 20 June 1997 was provided to Radiation Health. This is the final report and supercedes the preliminary draft.

An Alnor Gammameter 2414B (serial number 13-250-0634) was used for the radiation level surveys reported herein. The instrument is calibrated by the Commonwealth Scientific and Industrial Research Organization specifically for environmental measurements in the effective dose unit, the Sievert. Depending on the applicable conversion, results reported in the dose unit may be slightly lower than results reported in the exposure unit, the Roentgen. However, for practical purposes the following conversion may be used, one hundred micro Roentgen per hour is equivalent to one micro Sievert per hour.

Some attachments to this report are poor copies of original documents. Where appropriate, an original copy may be sourced from Radiation Health.

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(P2)

CTPI 49-Sch4 **Freehold, Noosa North Shore**

This private freehold land was inspected 18 June 1997. The Department of Mines and Energy made available a schematic drawing of the site produced from a previous visit and this was used to record radiation level measurements taken over some of the site. The schematic was not sufficiently extensive to allow accurate or reproducible survey transverses of the area.

The remanets of two ilmenite stockpiles are evident on the site. The larger stockpile remanet still has several hundred tonnes of ilmenite remaining which gives rise to dose levels of 0.6 micro Sievert per hour. However, sample 1 (PQ11) taken from this stockpile indicates that higher radiation levels could be expected from the stockpile. The local Council has erected a radiation warning sign at the entrance to this stockpile apparently in an effort to stop the removal of material. Remanets of another stockpile are located 20m to the north east of the larger stockpile, and has radiation levels of 0.25 micro Sievert per hour. The sample 2 (PQ12) collected at this site is approximately two times more active than the radiation level measurement indicating the sampled material could generate a 0.5 micro Sievert per hour field under worst case conditions. A third stockpile ruminant was discovered under vegetation cover some 30m south west of the other two ilmenite sites. Sample 3 (PQ13) was collected from a small pilot hole in this 'new' ilmenite and shows similar levels of radioactivity to sample 2 whilst the radiation level expressed at the surface was a slightly lower at 0.2 micro Sievert per hour.

The CTPI 49-Sch4 ilmenite is not suitable for distribution and use in the community in its present radiological state as it does not meet the under control practice requirements described in Queensland Health's policy statement on mineral sand residues. The ilmenite will not comply with section 2 (a) (I) of the *Health (Radioactive Substances) Regulation 1994* use an abrasive blast media.

A small ridge extents east of the ilmenite sites in the general direction of the old mill site. The

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13

radiation levels over this ridge are, in places, are more than 1.0 micro Sievert per hour. Elevated radiation levels (0.2 to 0.3 micro Sievert per hour) are also evident around the old mill site. It has been noted previously in this report that former processing plant sites are well known for their elevated radiation levels, and their potential to enhance radiation levels following the disturbance or redistribution of materials. Therefore, it is recommended that the contaminated land status of the CTPI 49-Sch Freehold site status be described as 'managed' and that a management plan be prepared. This management plan should be developed in conjunction with a more definitive radiological characterization of the area based a collated site history and should include the management of the ilmenite stockpile and residues.

The author is not aware of the agreed practice type status for the site, however, it is likely it can be described as an out of control practice. Given the current occupancy of the site appears low (partial or intermittent), and the radiation levels measured, Queensland Health would not require any remediation of the site. However, the site in its current condition is not suitable for total occupancy where regular day to day occupancy might occur, e.g. dwelling, businesses, schools, etc. These features should also be included in the site management plan.

It is recommended that Queensland Health's authority under Cabinet Decision No. 55857 of 16 January 1989 to notify the Registrar of Title of land with radiation levels above 0.6 micro Sievert per hour be actioned by Queensland Health.

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CTPI 49-Sch4

Bruce Wallace
Senior Health Physicist
5 August 1997

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QUEENSLAND HEALTH
OFFICE 39 Kessling Road COOPERS PLAINS Q 4108. Australia
POSTAL PO BOX 594 ARCHERFIELD Q 4108. Australia
PHONE (07) 3274 9111 International Code 61
FAX (07) 3274 9119

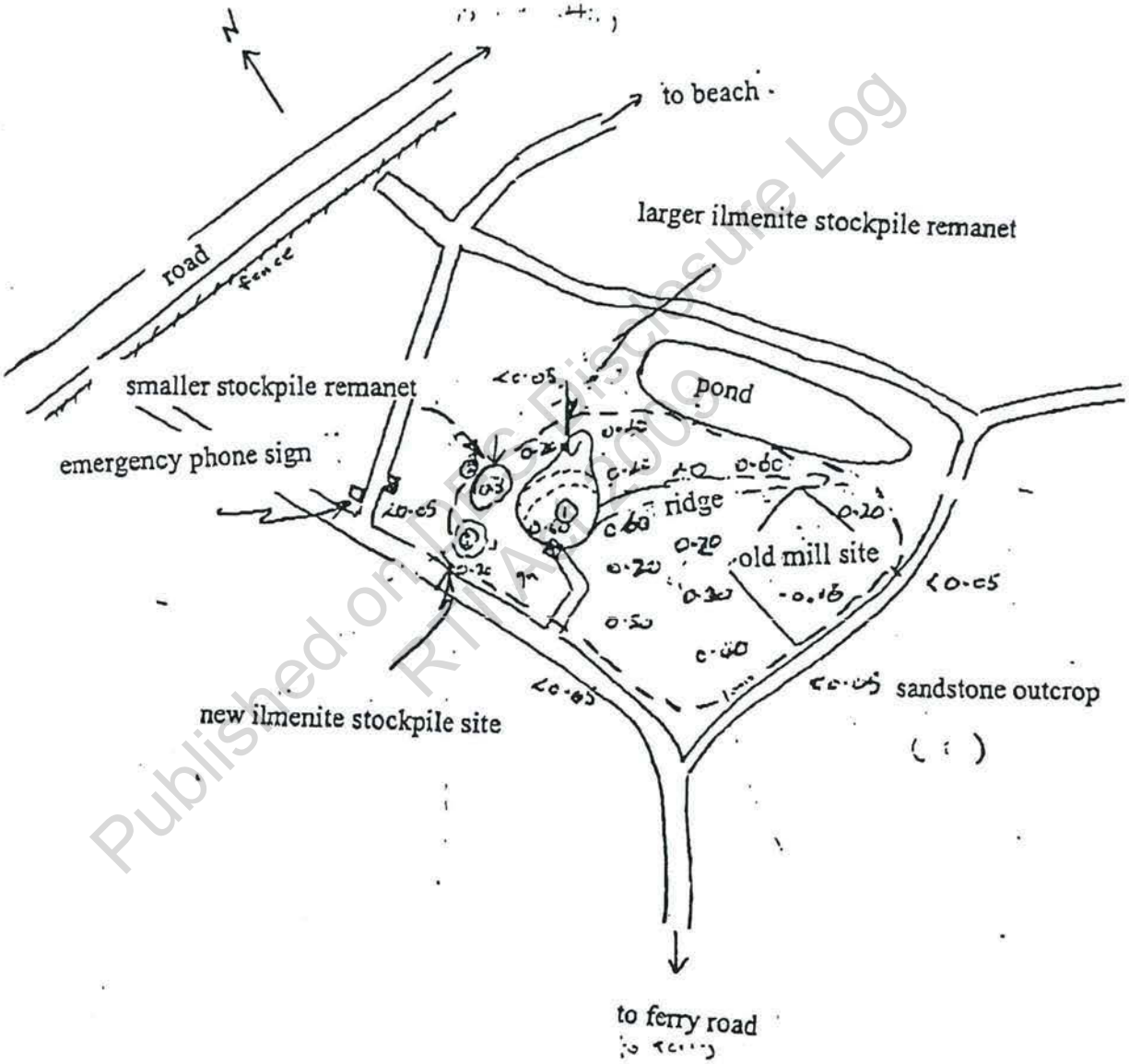
P4

SCIENTIFIC SERVICES

CTPI 49-Sch4

FREEHOLD SITE

18 June 1997



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Legend

approx. delineation of radiation levels above natural background of <0.05 micro Sievert per hour

0·60 micro Sievert per hour one metre above the ground

① collection of ilmenite samples

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19-6-1997

@ Qld Dept of Environment

North Shore Freehold

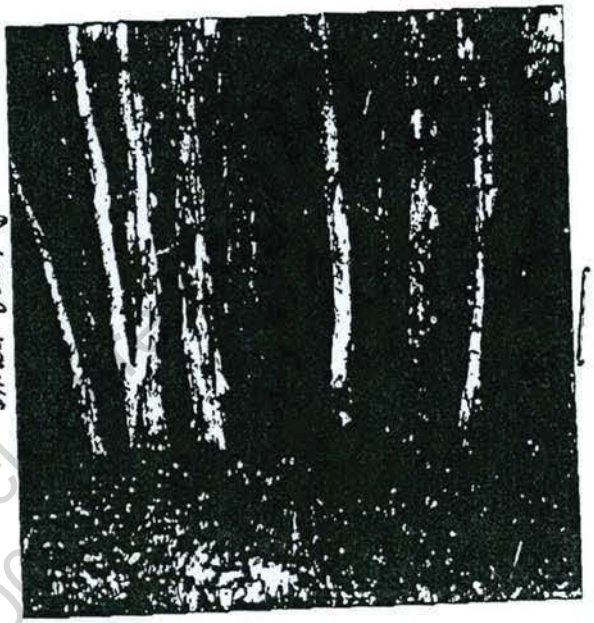
Mr Tipman believes that the parts of the roads were filled by the ilmenite. The highest reading was 1.0μSv/h.

There are warning signs stating "Warning Illumunite, Contains Low Level Radiation, Do not remove" (see attached). This area is not accessible by the public. This land is privately owned, but the stock piles of ilmenite are the properties of the Crown.

This site may be proposed to be developed as a residential area. Detailed surveys of this area will be required after removal of the stock piles.

R

FREEHOLD, NOOSA NORTH SHORE



Small Dump

CTPI 49-Sch4

Freehold - Small dump

19.6.97

CTPI 49-Sch4

Freehold -

19.6.97

Large dump

CTPI 49-Sch4

Freehold - Large dump

19.6.97

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FIELD NOTES ILMENITE DUMPS
16 - 19 SEPTEMBER, 1996.

David Carmichael and Mick O'Flynn.

Monday 16 September:

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2) CTPI 49-Sch4 *Freehold.*

Track
The track in from 1st cutting road has ilmenite used as fill. At 26° 21' 29.9'' S, 153° 03' 38.5'' E; 56J 0506103 UTM 7084628; radioactivity reading of 40 - 50 uR/hr.

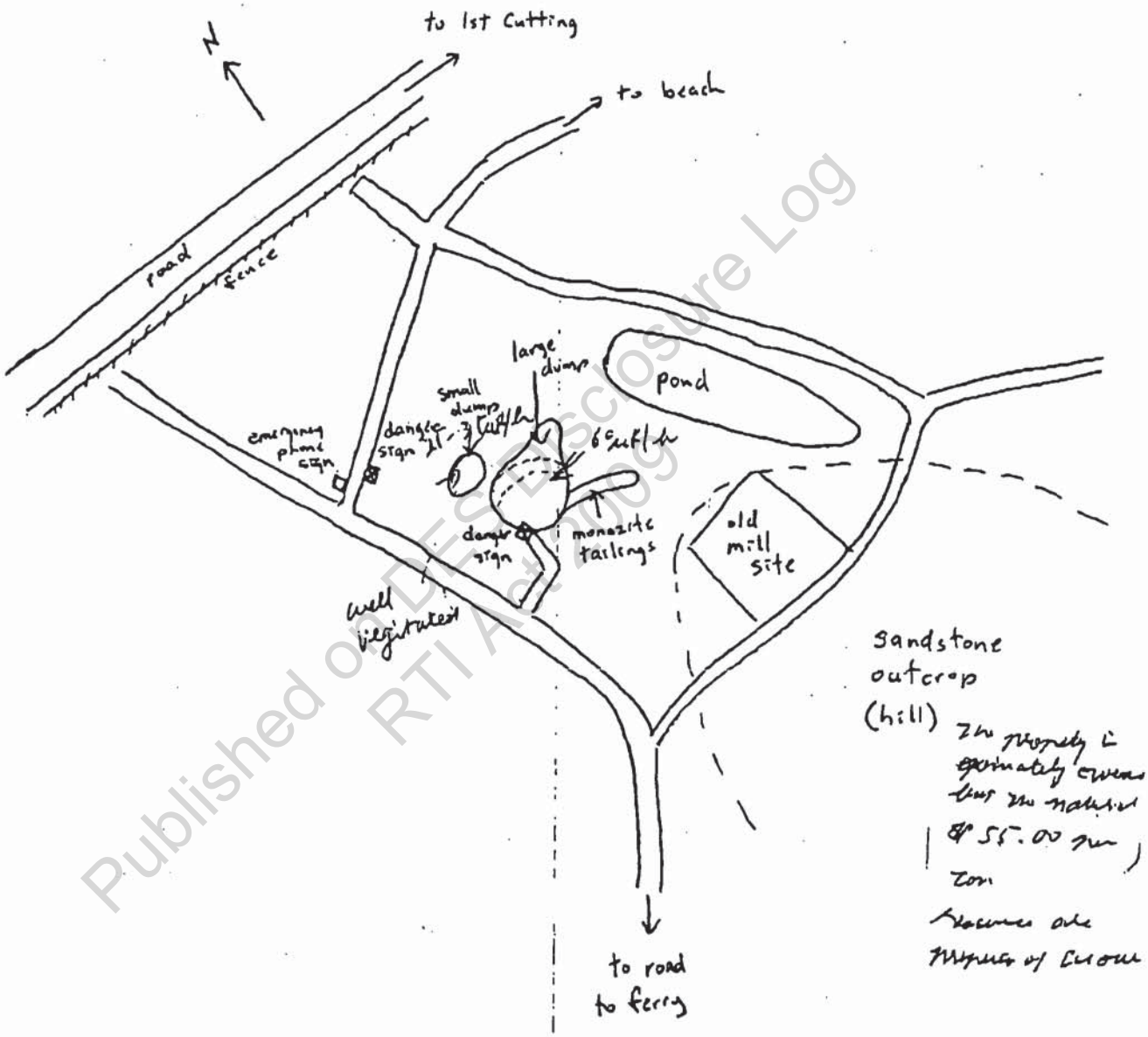
Mill Site
GPS Mill Site = 26° 21' 36.0'' S, 153° 03' 50.7'' E.
56J 0506383, UTM 7084429.
At the mill site concrete pads, loading area. Container stored on site.

Large Stockpile
Large dump = 26° 21' 33.9'' S, 153° 03' 50.3'' E.
56J 0506389, UTM 7084502.
Large dump roughly circular shape about 30m diameter and has ridge about 3m high.
The ilmenite in the main dump has radioactivity readings of 100-150 uR/hr.

Small Stockpile
Small dump = 26° 21' 33.0'' S, 153° 03' 48.7'' E.
56J 0506349, UTM 7084519.
Small dump possibly 1-1.5m high.

CTPI 49-Sch4

FREEHOLD



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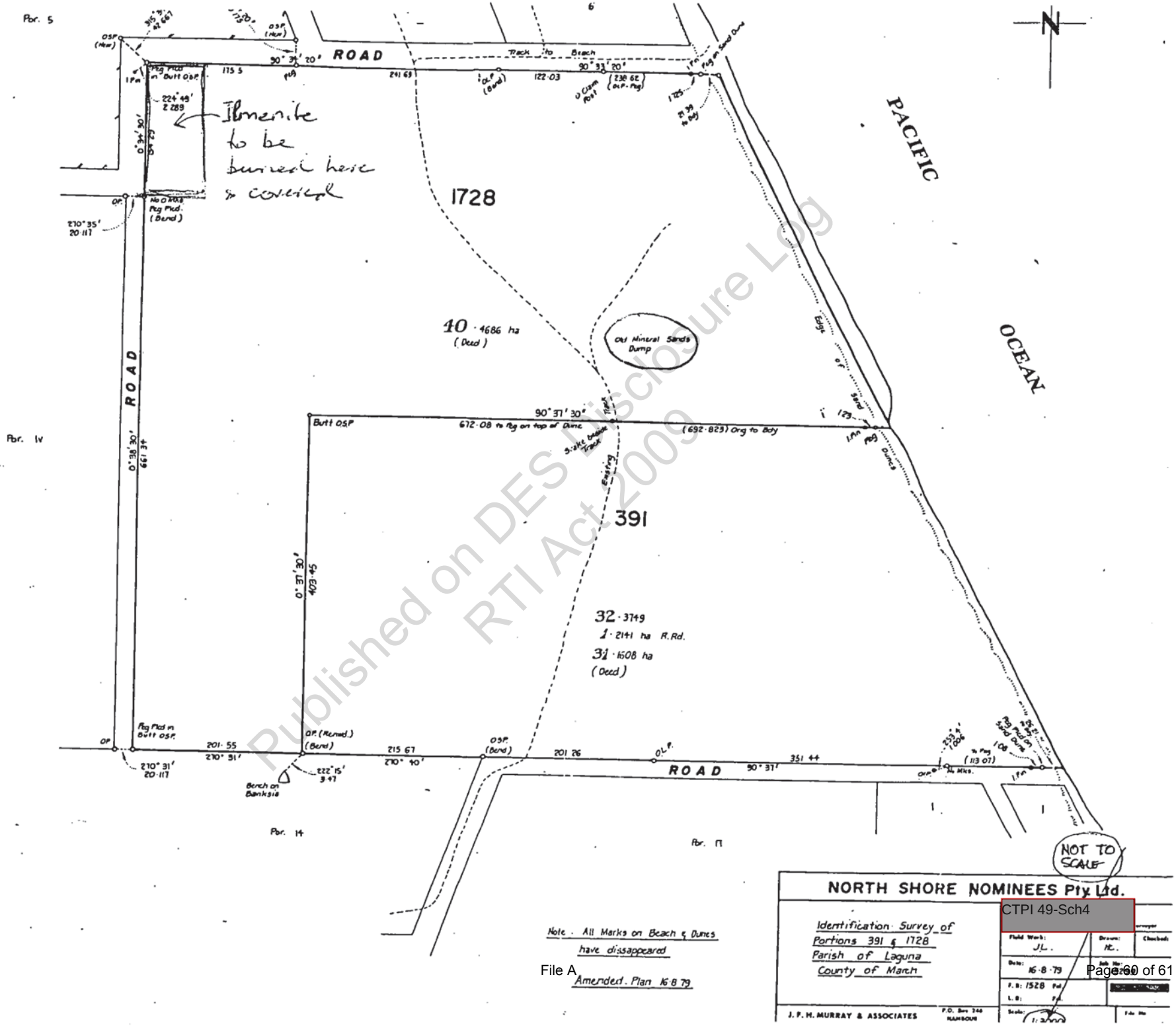

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LA_NAME	MAP	INFO_DATE	SITE NAME & ADDRESS	SITE_LOT	SITE_PLAN	OWNER'S NAME & ADDRESS	AREA sqm	CURRENT_USE	PAST_USE	CONTAM SOURCE	COMMENTS
73(2)Irrelevant											
NOOSA	53	17/12/1992	NORTH SHORE 4565	L1728	M37789 ✓	CTPI 49-Sch4	404700	920	8XX	RADIO ACTIVE SAND DUMPINGS	PART OF LAND HAS RADIO ACTIVE SAND DUMPINGS FROM PREVIOUS SAND MINING ACTIVITIES. COUNCIL FILE NO. 5053/2/HLTH REFERS.
73(2)Irrelevant											

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