



Cross River Rail
Environmental Impact Statement
Technical Report No. 2 – Land contamination
July 2011

Cross River Rail

**TECHNICAL REPORT NO.2
CONTAMINATED LAND**

JULY 2011

Contents

1	Introduction.....	1-1
1.1	Project overview.....	1-1
1.2	Study area.....	1-1
1.3	Methodology	1-1
1.4	Terms of reference.....	1-2
1.5	Limitations.....	1-2
2	Regulatory setting	2-5
2.1	Queensland contaminated land investigation protocol.....	2-5
2.1.1	Stage 1 – Preliminary site investigation.....	2-6
2.1.2	Stage 2 – Detailed site investigation.....	2-6
2.1.3	Stage 3 – Health and environmental assessment and determination of remediation/management plan	2-6
3	Existing environment	3-8
3.1	EMR/CLR records.....	3-8
3.1.1	EMR/CLR register.....	3-8
3.1.2	EMR results	3-10
3.1.3	CLR results	3-12
3.2	Historical records review.....	3-16
3.2.1	Additional potentially contaminated properties	3-16
3.3	Roadside inspection.....	3-21
3.4	Flammable and combustible liquids.....	3-25
3.5	Potential for unexploded ordnance.....	3-27
3.6	Queensland Rail contaminated land review	3-27
3.6.1	Major current Queensland Rail assets within the study area	3-28
3.6.2	Former Queensland Rail assets within the study area	3-28
3.6.3	Known contamination of Queensland Rail assets within the study area	3-29
3.7	Brisbane City Council landfills	3-30
3.8	Summary.....	3-31
4	Potential impacts and mitigation.....	4-33
4.1	Corridor-wide considerations	4-33
4.1.1	Disturbance of potentially contaminated soils	4-33
4.1.2	Disturbance/migration of potential groundwater contamination	4-38
4.1.3	Contamination sourced from potentially contaminated sites adjacent to project works.....	4-38
4.1.4	Soil gas accumulation in subsurface structures	4-39
4.1.5	Disturbance of asbestos containing materials	4-39
4.2	Woolloowin to Bowen Hills	4-40
4.2.1	Sites directly impacted by the Project – existing northern rail corridor	4-40
4.2.2	Sites directly impacted by the Project – Mayne Rail Yard	4-40
4.2.3	Sites directly impacted by the Project – Mayne Rail Yard	4-41
4.2.4	Sites directly impacted by the Project – O'Connell Tce worksite	4-41
4.2.5	Sites directly impacted by the Project – existing northern rail corridor, Ekka Station	4-41
4.2.6	Sites directly impacted by the Project – existing northern rail corridor, northern tunnel portal	4-42
4.2.7	Sites directly impacted by the Project – existing northern rail corridor, northern tunnel portal	4-42
4.3	Spring Hill to Dutton Park	4-42
4.3.1	Sites directly impacted by the Project – Roma Street Station	4-42

4.3.2	Sites directly impacted by the Project – Roma Street Station Construction Yard	4-43
4.3.3	Sites directly impacted by the Project – Lower Albert Street Station	4-43
4.3.4	Sites directly impacted by the Project – Gabba Station	4-44
4.3.5	Sites directly impacted by the Project – Gabba Station	4-44
4.4	Dutton Park to Salisbury	4-44
4.4.1	Sites directly impacted by the Project – Fairfield construction yard	4-44
4.4.2	Sites directly impacted by the Project – existing southern rail corridor, southern tunnel portal	4-45
4.4.3	Sites directly impacted by the Project – existing southern rail corridor	4-45
4.4.4	Sites directly impacted by the Project – Yeerongpilly Transit Orientated Development	4-45
4.4.5	Sites directly impacted by the Project – existing southern rail alignment	4-46
4.4.6	Sites directly impacted by the Project – existing southern rail alignment	4-46
4.4.7	Sites directly impacted by the Project – existing southern rail corridor	4-46
4.4.8	Sites directly impacted by the Project – existing southern rail corridor, Clapham Rail Yard	4-46
4.4.9	Sites directly impacted by the Project – existing southern rail corridor, Moorooka and Rocklea Stations	4-47
4.4.10	Sites directly impacted by the Project – existing southern rail corridor	4-47
4.4.11	Sites directly impacted by the Project – Salisbury Ipswich Motorway on-ramp reconfiguration	4-48
4.4.12	Sites directly impacted by the Project – Yeerongpilly construction yards	4-48
4.4.13	Sites directly impacted by the Project – Yeerongpilly construction yards	4-48
4.4.14	Sites directly impacted by the Project – Salisbury materials yards	4-49
4.4.15	Potentially contaminated sites adjacent to Project works	4-49
4.5	Unforeseen contamination and prevention of contamination	4-55
4.6	Summary	4-56
4.7	Conclusion	4-60
5	References	5-62
Appendix A	EMR records	
Appendix B	Aerial photograph interpretation	
Appendix C	Drive-by survey photographs	
Appendix D	BCC dangerous goods licence records	

Acronyms and Abbreviations

AMA	Area Management Advice
ANZECC	Australian and New Zealand Environmental Conservation Council
AST	Aboveground Storage Tank
BCC	Brisbane City Council
CBD	Central Business District
CLR	Contaminated Land Register
DEEDI	Department of Employment, Economic Development and Innovation
Defence	Department of Defence
DEH	Department of Environment and Heritage
DERM	Department of Environment and Resource Management
DoE	Department of Environment
DPIF	Department of Primary Industries and Fisheries
DSI	Detailed Site Investigation
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EMR	Environmental Management Register
EMS	Environmental Management System
EP Act	<i>Environmental Protection Act 1994</i>
F&C	Flammable and Combustible Liquids
ICB	Inner City Bypass
IMP	Incident Management Plan
JV	Joint Venture
km	kilometre
L	Litre
mbgs	metres below ground surface
NATA	National Association of Testing Authorities
NEPC	National Environment Protection Council
NEPM	National Environment Protection (Assessment of Site Contamination) Measure
NHMRC	National Health and Medical Research Council

PSI	Preliminary Site Investigation
RAAF	Royal Australian Air Force
SI	Site Investigation
SKM	Sinclair Knight Merz
SMP	Site Management Plan
the Project	Cross River Rail
TOR	Terms of Reference
TPR	Third Party Reviewer
UST	Underground Storage Tank
UXO	Unexploded Ordnance

Executive summary

The potential for contaminated land within the study area has been investigated to identify properties which, due to either direct interference and/or acquisition, or as a result of potential contaminated groundwater drawdown, may require further investigation or management as part of the Project works.

A total of 2,972 land parcels within the study area were listed on the Environment Management Register (EMR).

Within the study corridor:

- 506 land parcels were listed on the EMR
- 432 land parcels were identified with notifiable activities which are considered to be of higher risk
- 74 land parcels were identified with notifiable activities which are considered to be of lower risk
- 14 land parcels are managed under a Site Management Plan (SMP).

Outside the study corridor, but within the wider study area:

- 2,466 land parcels were listed on the EMR
- 1,437 land parcels were identified with notifiable activities which are considered to be of higher risk
- 1,029 land parcels were identified with notifiable activities which are considered to be of lower risk
- 114 land parcels are managed under a SMP.

Based on the reviews of historical records, including historical aerial photography, the *Brisbane City Council (BCC) 1965 Land Use Plan* mapping and a preliminary roadside inspection, an additional 273 additional potentially contaminated land parcels within the study area have been identified which may have had a land use which may constitute a notifiable activity or have the potential to cause contamination and which have not been listed on the EMR. Of these additional potentially contaminated land parcels, 108 are located within the study corridor, of which:

- 46 additional potentially contaminated land parcels were identified with potential notifiable activities which are considered to be of higher risk
- 62 additional potentially contaminated land parcels were identified with potential notifiable activities which are considered to be of lower risk.

A total of 74 land parcels have been identified within the Project construction footprint and on adjacent land parcels as containing potential soil and/or groundwater contamination. These would require further investigation as part of the Project works.

For the purposes of this impact assessment, each potentially contaminated properties have been assessed individually, and mitigation measures developed to enable further characterisation of the risk these properties pose to the Project, and management measures required to mitigate these potential risks. There is the potential that unexpected contamination which may require management may exist on properties outside of those discussed within this EIS.

1 Introduction

Contaminated soil and/or groundwater can adversely affect human health and the environment. The Project intercepts or passes by a range of land parcels which are or may have been contaminated by past or present land uses. This report describes the existing environment in regards to land contamination and provides an assessment of potential impacts associated with contaminated land.

1.1 Project overview

The Queensland Government, through the Department of Transport and Main Roads (DTMR) proposes to construct a new north-south rail line extending from Bowen Hills in the north to Salisbury in the south via the Brisbane CBD (the Project).

The Project comprises two parallel tunnels, approximately 10 km in length extending from the Exhibition Loop at Spring Hill to Yeerongpilly, via the Brisbane CBD, Woolloongabba and Dutton Park. The Project includes a tunnel under the Brisbane River and new underground rail stations at Albert Street, Woollongabba, Boggo Road and Roma Street. New surface stations would also be provided at the RNA Showgrounds and Yeerongpilly. Upgrades to existing stations at Moorooka and Rocklea are also proposed. North of the portal at Spring Hill, the Project includes two additional tracks between Spring Hill and the Mayne Rail Yard with the tracks on elevated structure within Mayne Rail Yard. South of the portal at Yeerongpilly, the Project provides two additional surface tracks between Yeerongpilly and Rocklea and one additional surface track between Rocklea and Salisbury. Facilities would also be provided at Clapham Rail Yard to allow for the stabling of Project trains.

1.2 Study area

The “study area” for this assessment includes the study corridor defined for the environmental impact statement (EIS), plus a one kilometre buffer surrounding the study corridor to account for potential groundwater drawdown. The study area and the study corridor are shown in **Figure 1-1**.

1.3 Methodology

The aim of the investigation was to identify potentially contaminated sites within the area affected by the Project. The main methods for identifying areas of potential land contamination to compile this report were as follows:

- a review of EMR and CLR data
- a review of historical aerial photographs covering the study corridor and study area (from 1946 to current imagery)
- a review of the 1965 BCC Land Use Plan
- a review of the potential for unexploded ordnance (UXO), as described on the Department of Defence (Defence) website
- a review of BCC historic landfill maps and records
- a review of BCC flammable/combustible goods records
- a roadside inspection of listed commercial/industrial properties, and properties that have been identified as potentially contaminated as based on current or historical aerial imagery
- a review of contaminated land information obtained from Queensland Rail
- a review of contaminated land findings of other environmental assessments over a similar study area, including for the Northern Link project (SKM Connell Wagner JV, 2008), Airport Link project (SKM Connell Wagner JV, 2006) and Clem Jones Tunnel (formerly North-South Bypass Tunnel) (SKM Connell Wagner JV, 2004).

A qualitative assessment of the potential impacts the Project may have on the existing environment was also undertaken. The assessment considered potentially contaminated properties directly intercepted by the Project, and those within the groundwater drawdown area.

Based on the potential impacts identified, mitigation measures to minimise potential impacts to the existing environment have been proposed.

1.4 Terms of reference

Section 3.3.2 of the terms of reference (TOR) for the EIS covers issues related to contaminated land. Issues to be addressed by the ToR are outlined below.

3.3.2.1 Description of environmental values

The following information for the study corridor and areas affected by the Project must be presented in the EIS:

- *mapping of any areas listed on the Environmental Management Register or Contaminated Land Register under the Environmental Protection Act 1994 (EP Act)*
- *identification of any potentially contaminated sites not on the registers which may be impacted by the Project*
- *a description of the nature and extent of contamination at each site.*

3.3.2.2 Potential impacts and mitigation measures

The EIS should discuss the management of any contaminated land and potential for contamination from construction, commissioning and operation, in accordance with the EPA Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (1998) and the National Environment Protection (Assessment of Site Contamination) Measure (1999).

This section should describe strategies and methods to be used to prevent and manage any land contamination resulting from the Project, including the management of any acid generation or management of chemicals and fuels to prevent spills or leaks.

Proposals for the future management of any contaminated lands impacted by the Project after completion of construction must be described.

1.5 Limitations

The purpose of this report is to conduct a broad desk-top review of potentially contaminated land parcels on the EMR within the study area. Information in this report was primarily obtained from data provided by DTMR, DERM and other publicly available information sources.

This investigation covered many land parcels, hence limits were imposed on the amount of information collected and assessed. There may be land parcels with either existing or historical uses which have the potential to cause contamination which are unknown or were unobserved and consequently not identified. This investigation was limited in time to post 1946 due to the lack of detailed historical information prior to this date.

In preparing this report, SKM has relied upon and presumed accurate certain information (or absence thereof) relative to the information provided by DTMR, DERM and various literature sources and statutory authorities. Except as otherwise stated in the report, SKM has not attempted to verify the accuracy or completeness of any such information.

No warranty or guarantee, whether express or implied, is made with respect to the data reported or to the findings, observations and conclusions expressed in this report. Further, such data, findings, observations and conclusions are based solely upon information and drawings supplied by the Client, and information available in the public domain in existence at the time of the investigation.

This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the provisions of the agreement between SKM, the JV and the Client. SKM accepts no liability or responsibility whatsoever for or in respect of any use of or reliance upon this report by any third party.

As per the Draft Guidelines, further investigations will need to be undertaken on land parcels listed on the EMR or with a present or past land use which are being disturbed, prior to the commencement of the proposed Project construction activities. These investigations are beyond the requirements of an existing environment, and impact assessment and mitigation assessment as part of an EIS.

Information on the nature and extent of possible contamination along the study area is extremely limited. As additional information is obtained through further investigation, the recommendations made in this assessment should be refined accordingly.

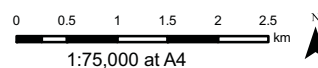


LEGEND

- Study Corridor
- Contaminated Land Study Area
- Station
- +— Track

CROSS RIVER RAIL ENVIRONMENTAL IMPACT STATEMENT

Figure 1-1
Contaminated Land Study Area



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE

2 Regulatory setting

Legislative requirements covering contaminated land in Queensland are primarily contained in the *Environmental Protection Act 1994* (EP Act) and subordinate policies and regulations.

The methodology used in this assessment is based largely on the following Australian guideline publications:

- National Environment Protection Council National Environment Protection (Assessment of Site Contamination) Measure, 1999 (referred to as the NEPM)
- Queensland Department of Environment and Heritage (DEH) (now Department of Environment and Resource Management (DERM)) *Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland, May 1998* (referred to as “the Draft Guidelines”).

These documents provide a framework for assessing and managing contaminated soil and/ or groundwater based on an evaluation of three components in the risk chain identified below. Each of these links must be present in the risk chain for a risk to exist:

- contamination (source): soil and/or groundwater contamination must be present. Contamination is the release of a hazardous contaminant into the environment that is likely to cause serious or material environmental harm because of its physical, chemical or infectious characteristics or due to its concentration.
- receptors: humans and/or a receiving environment must be present and be potentially impacted by the identified contaminants
- pathways: the contamination must be able to contact receptors by means such as
 - humans – ingestion, skin contact and inhalation
 - environment – seepage into waterways, wind-blown deposition on plants, root uptake as well as ingestion, skin contact and inhalation by various life forms.

Appendix 9 of the Draft Guidelines provides investigation thresholds for contaminated soils in Queensland. The threshold levels are based on the risk of human exposure to potential contaminants in soil in association with particular types of land use (eg residential, open space recreation and industrial). The threshold levels do not necessarily take into account environmental concerns such as the protection of a species or ecosystem.

The National Environment Protection Council (NEPC) initiated a variation to the NEPM in June 2007 which aims to incorporate new scientific and technical information to minimise overly conservative investigation levels and provide clarification around the contaminated site assessment process and minimise unnecessary remediation. Consultation on the variation was undertaken in 2010. The outcome of the final variation is pending, and consideration should be given to changes in relevant technical protocols upon approval of the variation.

2.1 Queensland contaminated land investigation protocol

The QLD DERM Draft Guidelines provide information on how contaminated site investigations are to be progressively assessed and managed through a staged approach. These stages include:

- Stage 1 – Preliminary Site Investigation (PSI)
- Stage 2 – Detailed Site Investigation (DSI)
- Stage 3 – Health and environmental assessment and determination of remediation plan
- Stage 4 – Implementation of agreed remediation plan and validation sampling.

A brief summary of each stage is provided in **Section 2.1.1** to **Section 2.1.3**.

2.1.1 Stage 1 – Preliminary site investigation

A PSI includes the following components:

- development of a site history
- searches of DERM registers
- an inspection of the site
- a basic sampling program to determine if contamination is present
- report preparation.

The most important part of a PSI is the preparation of a comprehensive site-specific history to identify all past and present potentially contaminating activities. Stage 1 and 2 investigations are sometimes combined.

2.1.2 Stage 2 – Detailed site investigation

A DSI is required when the results of PSI indicate potential or actual contamination. The DSI should delineate the lateral and vertical extent of contamination, and provide information about:

- maximum and average concentrations of the various contaminants
- volumes of soil requiring remediation
- leachability and mobility of contaminants
- potential for groundwater contamination
- possibility of offsite migration through soil, surface water or groundwater.

The decision on how to proceed in the second stage of investigation requires professional judgement of the site-specific issues and is dependent on the findings of the PSI.

2.1.3 Stage 3 – Health and environmental assessment and determination of remediation/management plan

The results obtained from the DSI are used to determine the potential human exposure and environmental impact of the contaminants on the current and proposed land uses.

When results of a contaminated site investigation indicate that remediation is required, a remediation plan is prepared. The draft remediation plan may include a request for a disposal permit in accordance with the requirements of the EP Act, if necessary, to remove contaminants from the site.

Under Section 424 of the EP Act a person must not, without a disposal permit, remove and treat or dispose of contaminated soil from land parcels recorded in the EMR. Disposal permits identify the amount of soil to be removed, how it is to be transported and how it must be disposed of in a licensed/approved disposal facility.

Advice will need to be sought from the DERM regarding disposal permit requirements for:

- material excavated from land parcels listed on the EMR
- land parcels containing unanticipated/unexpected contamination
- land parcels inadvertently contaminated during construction activities
- whether disposal permits would be required for material excavated from all land parcels listed on the EMR, eg spoil from tunnelling, to confirm if

- the material being removed is weathered rock or soil, it is likely that investigation will be required to determine if the material is contaminated. In the event it is, then a Section 424 Disposal Permit will be required to be obtained prior to the removal of the material
- the material being removed is bedrock it is likely that no permit will be required from DERM, regardless of the depth of the bedrock
- a longitudinal section of the proposed tunnel alignment accompanied by a geology map of the tunnel route will be required to support any findings in this regard.

In some cases, contamination associated risks can be safely managed onsite. Specific procedures for this management would be detailed in a Site Management Plan (SMP), including construction, maintenance, and long term monitoring. Approval for an SMP must be sought through DERM.

Investigation, assessment and management of contaminated sites may need to be undertaken in cooperation with the DERM Contaminated Land Unit. Investigations would be carried out by a suitably-qualified investigator in accordance with requirements of the EP Act and site investigation reports would be submitted with a statutory declaration by the investigator as required by the DERM, where a statutory decision to change the status of the site in relation to its listing on the EMR is required.

Work may also be subject to review and approval by a DERM-approved Third Party Reviewer (TPR). Based on report findings and possible TPR advice, DERM will determine whether the health and environmental risks associated with the EMR listed land parcel has been appropriately addressed and managed.

Required remediation and/or site management of each EMR listed land parcel will need to be completed and approved by DERM prior to commencement of the new land use. Any required long-term monitoring will need to be provided for in the Project operation Environmental Management Plans.

3 Existing environment

This section provides an overview of the existing environment of the study area in relation to land contamination.

3.1 EMR/CLR records

3.1.1 EMR/CLR register

The EMR is a land-use planning and management register, which is administered by DERM. Land that has been or is being used for a notifiable activity, and of which DERM has been advised, is recorded on the EMR. The EMR provides information on past and present land uses, including whether the land has been or is being used for a notifiable activity, or has been contaminated by a hazardous material which is defined under Schedule 4 of the EP Act. Notifiable activities are those that cause or are likely to cause contamination.

Table 3-1 lists the 38 notifiable activities listed under Schedule 3 of the EP Act.

Table 3-1 Notifiable activities under the EP Act

Abrasive blasting	Landfill
Aerial spraying	Lime burner
Asbestos manufacture or disposal	Livestock dip or spray race operations
Asphalt or bitumen manufacture	Metal treatment or coating
Battery manufacture or recycling	Mine wastes
Chemical manufacture or formulation	Mineral processing
Chemical storage	Paint manufacture or formulation
Coal fired power station	Pest control
Coal gas works	Petroleum or petrochemical industries
Defence establishments or training areas	Petroleum product or oil storage
Drum reconditioning or recycling	Pharmaceutical manufacture
Dry cleaning	Printing
Electrical transformers	Railway yards
Engine reconditioning works	Scrap yards
Explosives production or storage	Service stations
Fertiliser manufacture	Smelting or refining
Foundry operations	Tannery, fellmongery or hide curing
Gun, pistol or rifle range	Waste storage, treatment or disposal
Herbicide or pesticide manufacture	Wood treatment and preservation

A notifiable activity is an activity that can lead to or is likely to cause contamination. However, a land parcel identified with a notifiable activity does not necessarily indicate that the land parcel is or will be contaminated. If site specific procedures and practices are appropriately developed, correctly managed and implemented, the risks of a notifiable activity causing contamination can be considerably reduced. It is also important to understand that the notifiable activity is assigned to the entire land parcel, for example, the notifiable activity “chemical storage” may be assigned to a large land parcel however the actual storage location of the chemical may only occupy a small portion of the entire land parcel.

Table 3-2 lists the 25 different notifiable activities which were identified within the study area through analysis of the EMR/CLR data. As part of a desktop assessment, each notifiable activity has been classified as being of higher or lower risk. Notifiable activities which were considered to be of higher risk were those which present a greater risk of generating contaminants which are likely to be mobile in groundwater and susceptible to groundwater drawdown.

Table 3-2 Potential higher and lower risk notifiable activities within the study area with respect to groundwater drawdown

'Higher Risk' Notifiable Activities	'Lower Risk' Notifiable Activities
Chemical manufacture or formulation	Abrasive blasting
Coal fired power station	Asbestos manufacture or disposal
Coal gas works	Battery manufacture or recycling
Herbicide or pesticide manufacture	Chemical storage
Landfill	Drum reconditioning or recycling
Petroleum product or oil storage	Dry cleaning
Railway yards	Foundry operations
Radioactive contaminant	Metal treatment or coating
Service station	Livestock dip or spray race
	Paint manufacture or formulation
	Pharmaceutical manufacture
	Pest control
	Printing
	Scrap yards
	Tannery, fellmongery or hide curing
	Waste storage, treatment or disposal
	Other (identified sites of interest)

Land parcels which were listed on the EMR for hazardous contaminants are also considered to be of higher risk on the basis that contamination has been confirmed on the land parcels. It is important to note that the actual risks associated with a notifiable activity and/or hazardous contaminant may need to be examined further by undertaking site specific investigations prior to construction of the Project.

A managed property is a land parcel which is subject to a Site Management Plan (SMP) approved by DERM. The SMP is a public document attached to the EMR/CLR listing for that land parcel. The objective of a SMP is to manage the contamination on the land parcel in a manner which protects human health and the environment and ensures that the land parcel is suitable for the specified use.

The CLR is a register of land parcels which have been demonstrated (through investigation) to be contaminated land which is causing or may cause serious environmental harm. Land is recorded on the CLR when investigation shows it is contaminated and action needs to be taken to remediate or manage the land.

The absence of a land parcel from the EMR/CLR does not necessarily mean that a land parcel has not been used for a notifiable activity or another activity, which may result in contamination. Conversely a land parcel listed on the EMR does not necessarily indicate that the land parcel is or will be contaminated. The EMR/CLR does not provide a definitive list of contaminated or potentially contaminated land parcels.

3.1.2 EMR results

The data provided by DERM was reviewed to determine the number of land parcels within the study area which are listed on the EMR for a notifiable activity or hazardous contaminant. Where more than one notifiable activity was listed for a land parcel, the notifiable activity considered to be of higher risk has been described.

A total of 2,972 land parcels within the study area were listed on the EMR, with 506 land parcels within the study corridor and 2,466 land parcels outside the study corridor but within the study area. The boundaries imposed by the study corridor and study area are indicative of the area most likely to be affected by potential impacts from the Project.

Land parcel description information including lot and plan number, EMR status and notifiable activity for each of the land parcels is presented in **Appendix A**.

As shown in **Table 3-3** and **Table 3-4**, 506 land parcels were listed on the EMR within the study corridor. Of these land parcels:

- 432 land parcels were identified with notifiable activities which are considered to be of higher risk
- 74 land parcels were identified with notifiable activities which are considered to be of lower risk
- 14 land parcels are managed under a SMP.

A total of 46 land parcels were listed on the EMR without a Lot and Plan description. DERM has advised this indicates that these parcels are common land and are not assigned an identifying property description. Of these land parcels, 31 were listed for notifiable activities which were considered to be of higher risk.

Table 3-3 Higher risk EMR listed land parcels within the study corridor

Notifiable Activity	EMR listed land parcels	SMP managed land parcels
Chemical manufacture or formulation	1	-
Coal fired power station	4	-
Hazardous contaminant	84	1
Landfill	50	-
Petroleum product or oil storage	198	5
Railway yards	86	3
Service stations	13	-
Total	432	9

Table 3-4 Lower risk EMR listed land parcels within the study corridor

Notifiable Activity	EMR listed land parcels	SMP managed land parcels
Abrasive blasting	1	-
Asbestos manufacture or disposal	1	-
Drum reconditioning or recycling	1	-
Dry cleaning	1	-
Foundry operations	21	-
Metal treatment or coating	3	-
Paint manufacture or formulation	1	-
Pest control	1	-
Printing	25	2
Radioactive contaminant	1	-
Scrap yards	17	3
Waste storage, treatment or disposal	1	-
Total	74	5

As shown in **Table 3-5** and **Table 3-6**, 2,466 land parcels were listed on the EMR within the study area but outside of the study corridor. Of these land parcels:

- 1,437 land parcels were identified with Notifiable Activities which are considered to be of higher risk
- 1,029 land parcels were identified with Notifiable Activities which are considered to be of lower risk
- 114 land parcels are managed under a SMP.

Table 3-5 Higher risk EMR listed land parcels outside the study corridor but within the study area

Notifiable Activity	EMR listed land parcels	SMP managed land parcels
Chemical manufacture or formulation	3	4
Coal fired power station	5	-
Coal gas works	10	-
Hazardous contaminant	291	34
Herbicide or pesticide manufacture	1	-
Landfill	291	17
Petroleum product or oil storage	591	28
Railway yards	35	-
Service stations	210	15
Total	1,437	98

Table 3-6 Lower risk EMR listed land parcels outside the study corridor but within the study area

Notifiable Activity	EMR listed land parcels	SMP managed land parcels
Battery manufacture or recycling	1	-
Chemical storage	2	-
Dry cleaning	17	1
Foundry operations	2	1
Livestock dip or spray race	2	-
Metal treatment or coating	908	7
Paint manufacture or formulation	3	-
Pest control	4	-
Pharmaceutical manufacture	1	-
Printing	63	-
Scrap yards	17	6
Waste storage, treatment or disposal	4	1
Wood treatment and preservation	5	-
Total	1,029	16

3.1.3 CLR results

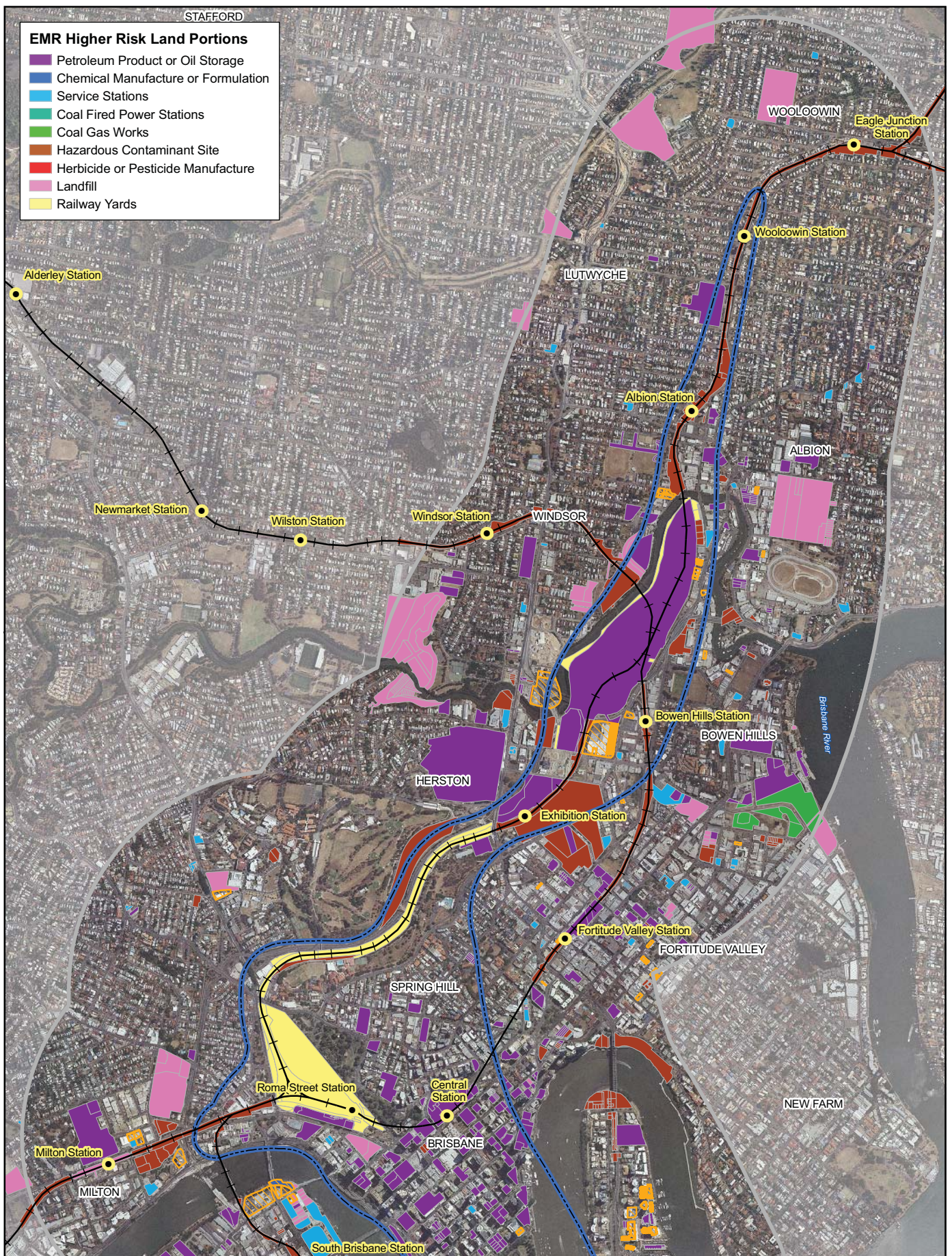
No land parcels were listed on the CLR within the study area.

The locations of the EMR listed land parcels and the corresponding notifiable activity are presented in **Figure 3-1, Figure 3-2 and Figure 3-3.**

STAFFORD

EMR Higher Risk Land Portions

- Petroleum Product or Oil Storage
- Chemical Manufacture or Formulation
- Service Stations
- Coal Fired Power Stations
- Coal Gas Works
- Hazardous Contaminant Site
- Herbicide or Pesticide Manufacture
- Landfill
- Railway Yards

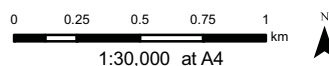
**LEGEND**

- Study Corridor
- Study Area
- Station
- Track
- EMR Low Risk Land Parcels

**CROSS RIVER RAIL
ENVIRONMENTAL IMPACT STATEMENT**

Figure 3-1

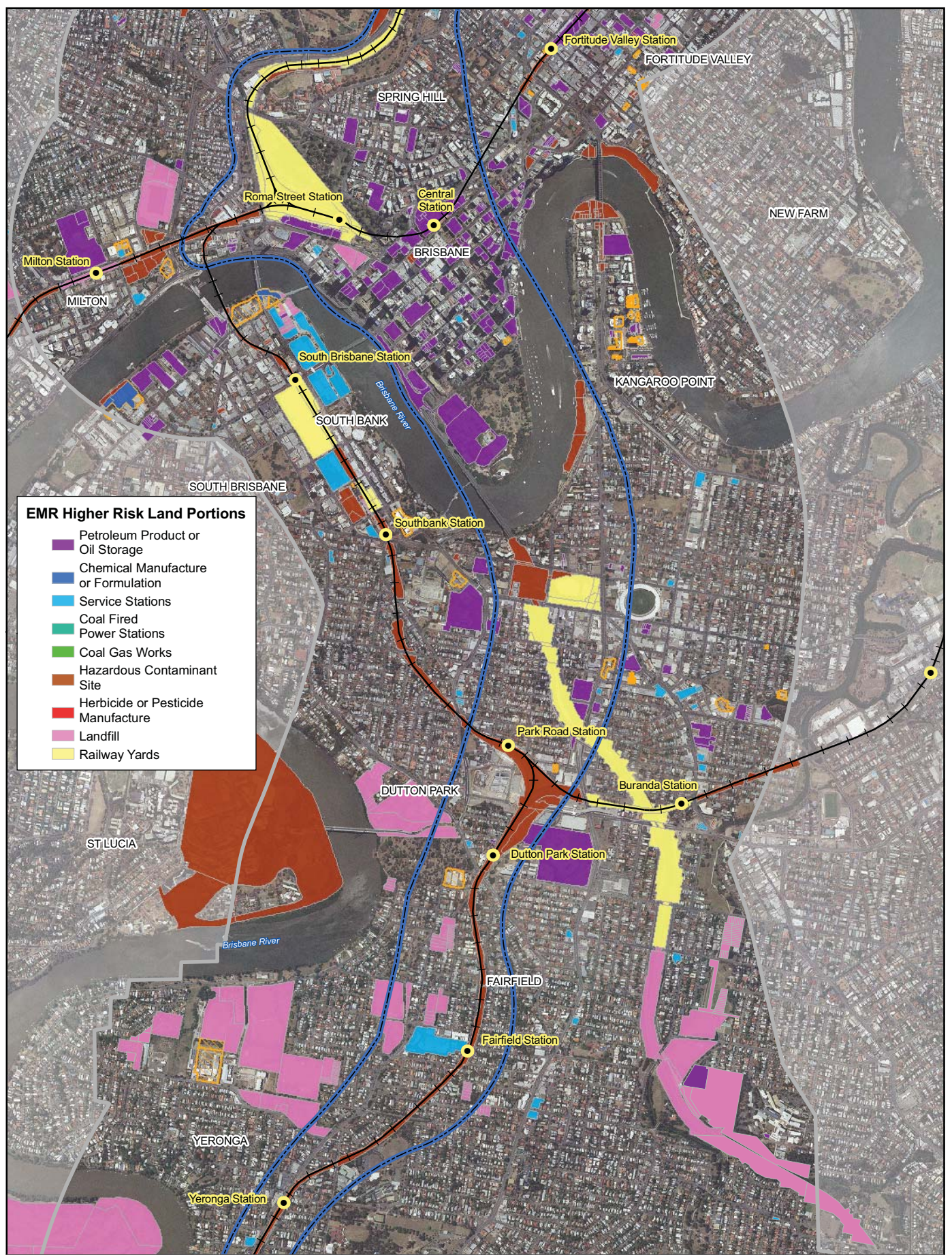
**EMR Listed Parcels
Woolloowin to Bowen Hills (Northern Section)**



CrossRiverRail

SKM aurecon

CRR JOINT VENTURE



EMR Higher Risk Land Portions

- Petroleum Product or Oil Storage
- Chemical Manufacture or Formulation
- Service Stations
- Coal Fired Power Stations
- Coal Gas Works
- Hazardous Contaminant Site
- Herbicide or Pesticide Manufacture
- Landfill
- Railway Yards

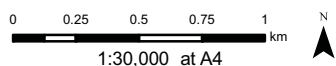
LEGEND

- Study Corridor
- Study Area
- Station
- Track
- EMR Low Risk Land Parcels

**CROSS RIVER RAIL
ENVIRONMENTAL IMPACT STATEMENT**

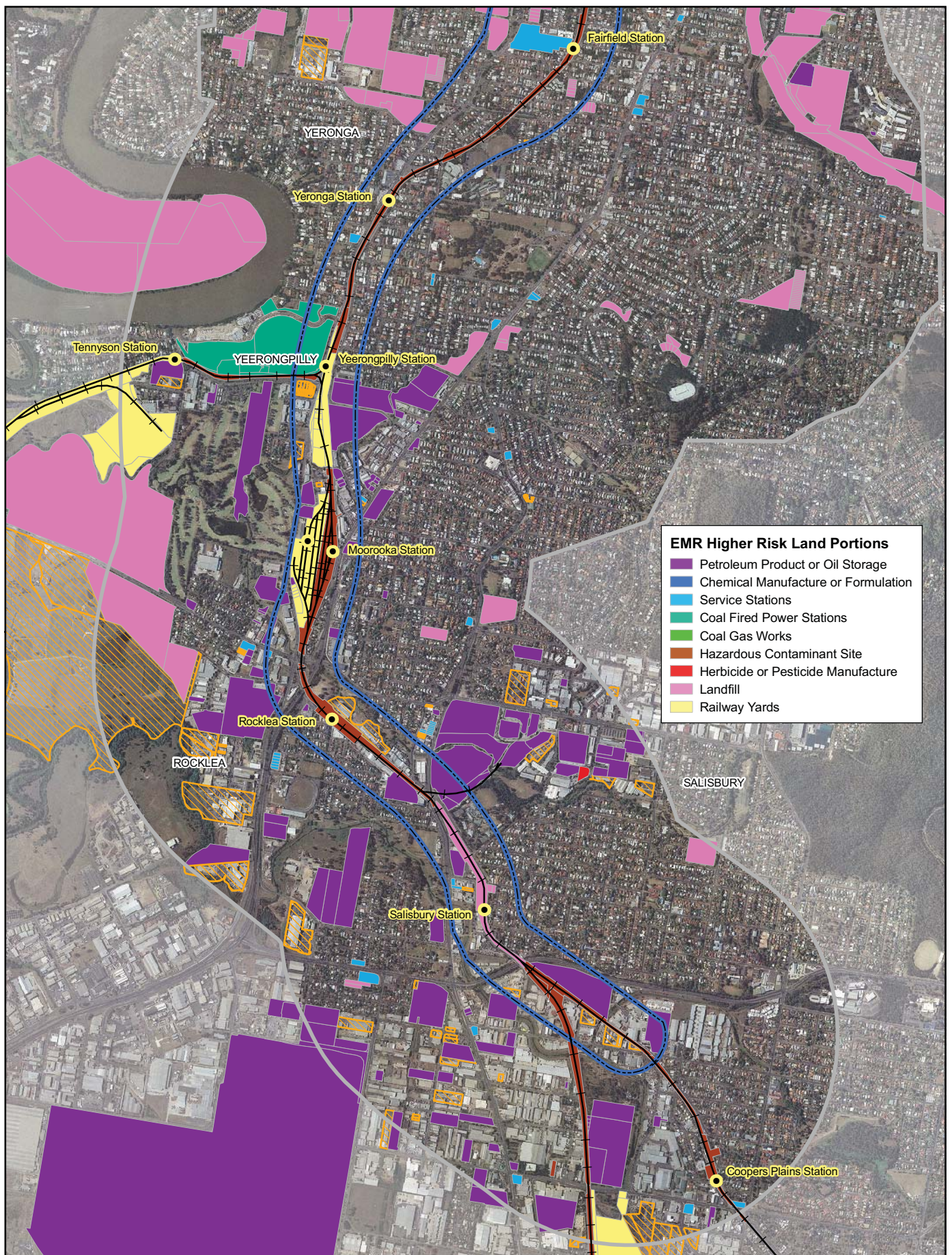
Figure 3-2

**EMR Listed Parcels
Spring Hill to Fairfield (Central Section)**



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE



EMR Higher Risk Land Portions

- Petroleum Product or Oil Storage
- Chemical Manufacture or Formulation
- Service Stations
- Coal Fired Power Stations
- Coal Gas Works
- Hazardous Contaminant Site
- Herbicide or Pesticide Manufacture
- Landfill
- Railway Yards

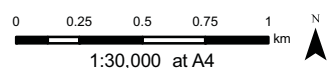
LEGEND

- Study Corridor
- Study Area
- Station
- Track
- EMR Low Risk Land Parcels

CROSS RIVER RAIL ENVIRONMENTAL IMPACT STATEMENT

Figure 3-3

EMR Listed Parcels Yeronga to Salisbury (Southern Section)



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE

3.2 Historical records review

A review of historical land use was undertaken with reference to historical aerial photographic records of the study area. The purpose of the historical review was to identify (where possible):

- identify more obvious land uses, ie service stations, which may have had a notifiable activity that were not identified in EMR/CLR data
- identify areas likely to contain commercial/industrial activities or having had such an activity that could be considered as having a higher probability to have caused land contamination (as opposed to other activities such as residential use which would be considered as having a lower probability of causing land contamination).

Table 3-7 provides a summary of the aerial photography which has been reviewed as part of this assessment.

Table 3-7 Historical aerial photographs

Year	Reference
1946	BCC eBimap System, BCC
1955	DERM Beenleigh 9542 Project Aerial Photography Q537
1958	DERM Brisbane 9543 Project Aerial Photography Q732, Q768
1960	DERM Greater Brisbane Aerial Photography Q1090
1970	DERM Beenleigh West 9542 Project Aerial Photography, Q2141, Q2143, Q2144, Q2468
1983	DERM Beenleigh 1983 Project Aerial Photography Q2468
1983	DERM Brisbane Project Aerial Photography Q4269
1994	DERM Brisbane Project Aerial Photography Q5332, Q5334
2001	AUS Image, Brisbane
2007	AUS Image, Brisbane
2009	AAMHatch, DTMR

The *BCC 1965 Land Use Plan* was the used to identify any former land uses or areas where there is a higher risk of land contamination, which may not be apparent from the historical photography. Land use was extrapolated from the plan and cross referenced against the EMR records to identify additional potentially contaminated properties within the study area.

Historical reviews undertaken by SKM & Connell Wagner JV in previous EIS reports (Airport Link, 2005; Northern Link, 2008) have also been re-examined to assist in identification of properties which are not listed on the EMR with the potential for a notifiable activity or other land use which has the potential to cause contamination.

3.2.1 Additional potentially contaminated properties

As shown in **Table 3-8**, based on the reviews of historical records outlined above, 50 properties within the study corridor were identified which are not been listed on the EMR but may have had a land use which may constitute a notifiable activity or have the potential to cause contamination.

Table 3-8 Potentially Contaminated Properties in study corridor not listed on EMR

Land use	No. of Properties
Petroleum product or oil storage / Service stations / Engine reconditioning works	27
Wood treatment and preservation	7
Scrap yards / Landfill	5
Railway yards	6
Hazardous contaminant	2
Chemical storage	1
Asbestos manufacture or disposal	2
Total	50

As shown in **Table 3-9**, based on the historical records review, 91 properties were identified outside the study corridor but within the study area which are not listed on the EMR and may have a land use which may constitute a notifiable activity or have the potential to cause contamination.

Table 3-9 Potentially contaminated properties outside the study corridor but within the study area not listed on EMR

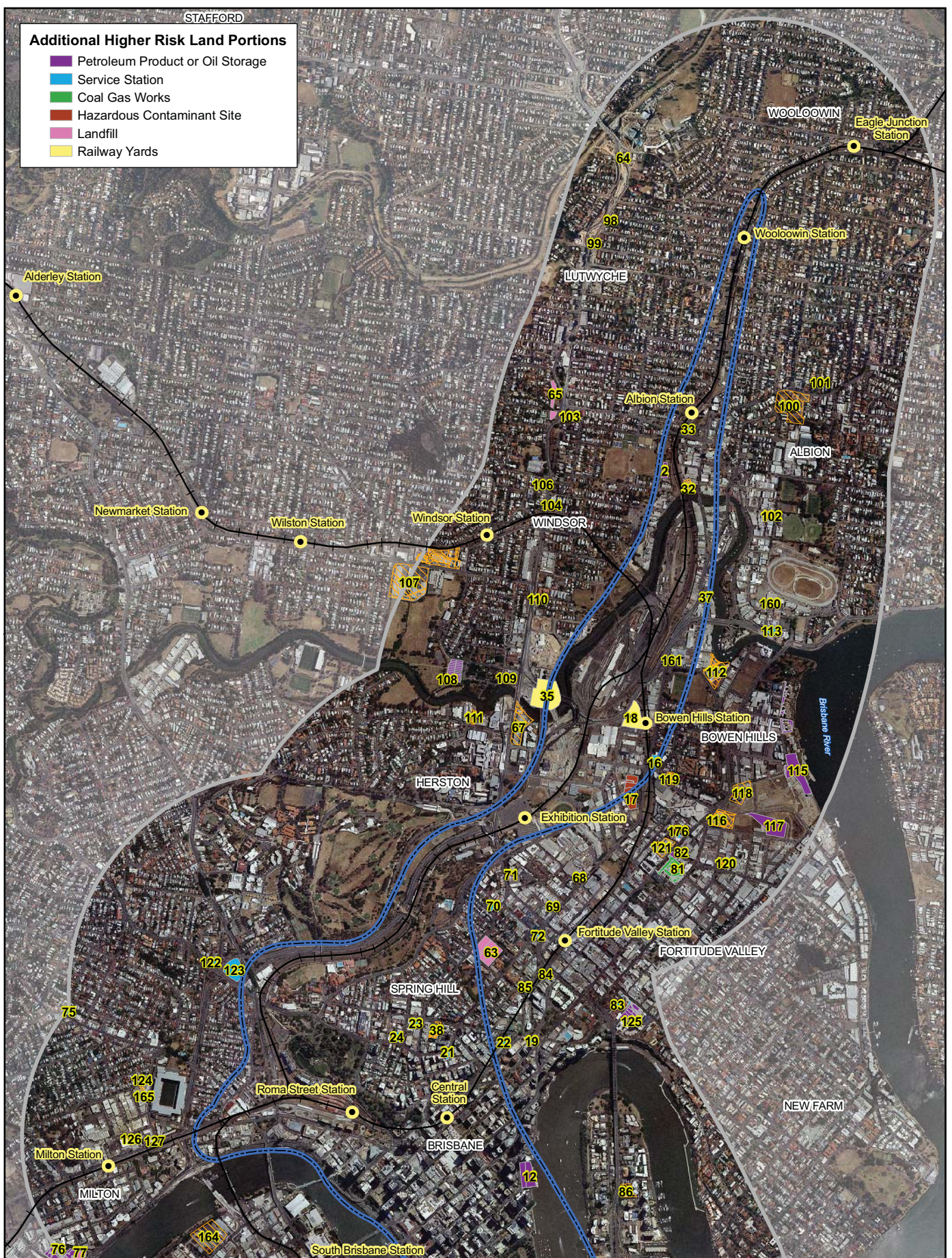
Land use	No. of Properties
Petroleum product or oil storage / Service stations / Engine reconditioning works	51
Wood treatment and preservation	12
Scrap yards / Landfill	10
Asbestos manufacture or disposal	4
Foundry operations / Metal treatment or coating	4
Dry Cleaning	3
Paint manufacture or formulation	2
Defence establishments or training areas / Explosives production or storage	2
Chemical storage / Drum reconditioning or recycling	2
Coal Gas Works	1
Total	91

The locations of all additional properties identified in the historical imagery review, the *BCC 1965 Land Use Plan* mapping and previous EIS are presented in **Figure 3-4**, **Figure 3-5** and **Figure 3-6**. Imagery used in this interpretation is included as **Appendix B**.

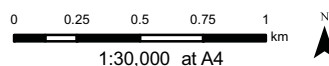
STAFFORD

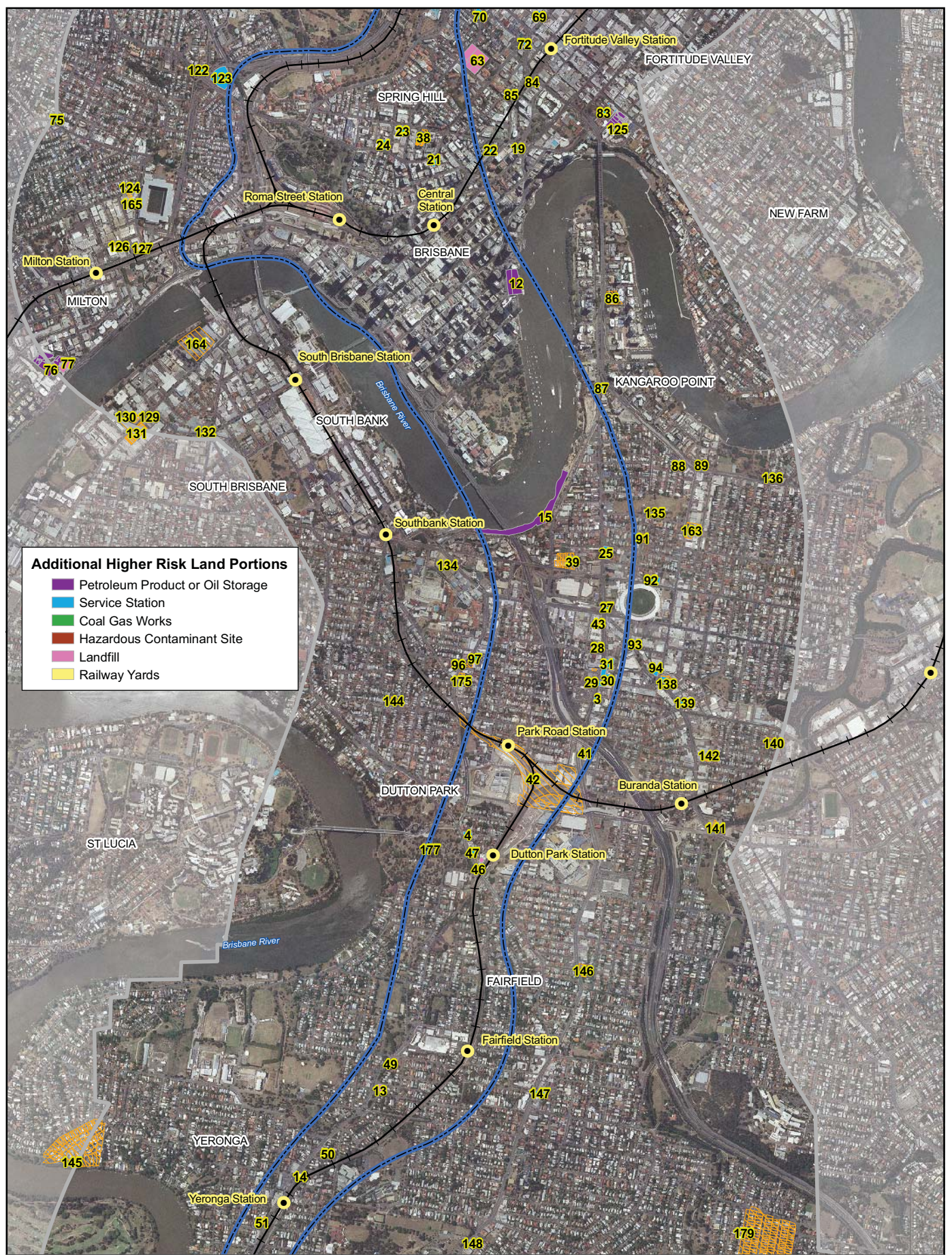
Additional Higher Risk Land Portions

- Petroleum Product or Oil Storage
- Service Station
- Coal Gas Works
- Hazardous Contaminant Site
- Landfill
- Railway Yards

**LEGEND**

- Study Corridor
- Study Area
- Station
- Track
- Additional Potential Low Risk Land Parcels

CROSS RIVER RAIL
ENVIRONMENTAL IMPACT STATEMENT**Figure 3-4****Additional Potentially Contaminated Properties
Woolloowin to Bowen Hills (Northern Section)****CrossRiverRail**
SKM aurecon
 CRR JOINT VENTURE



Additional Higher Risk Land Portions

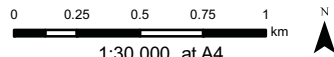
- Petroleum Product or Oil Storage
- Service Station
- Coal Gas Works
- Hazardous Contaminant Site
- Landfill
- Railway Yards

LEGEND

- Study Corridor
- Study Area
- Station
- Track
- Additional Potential Low Risk Land Parcels

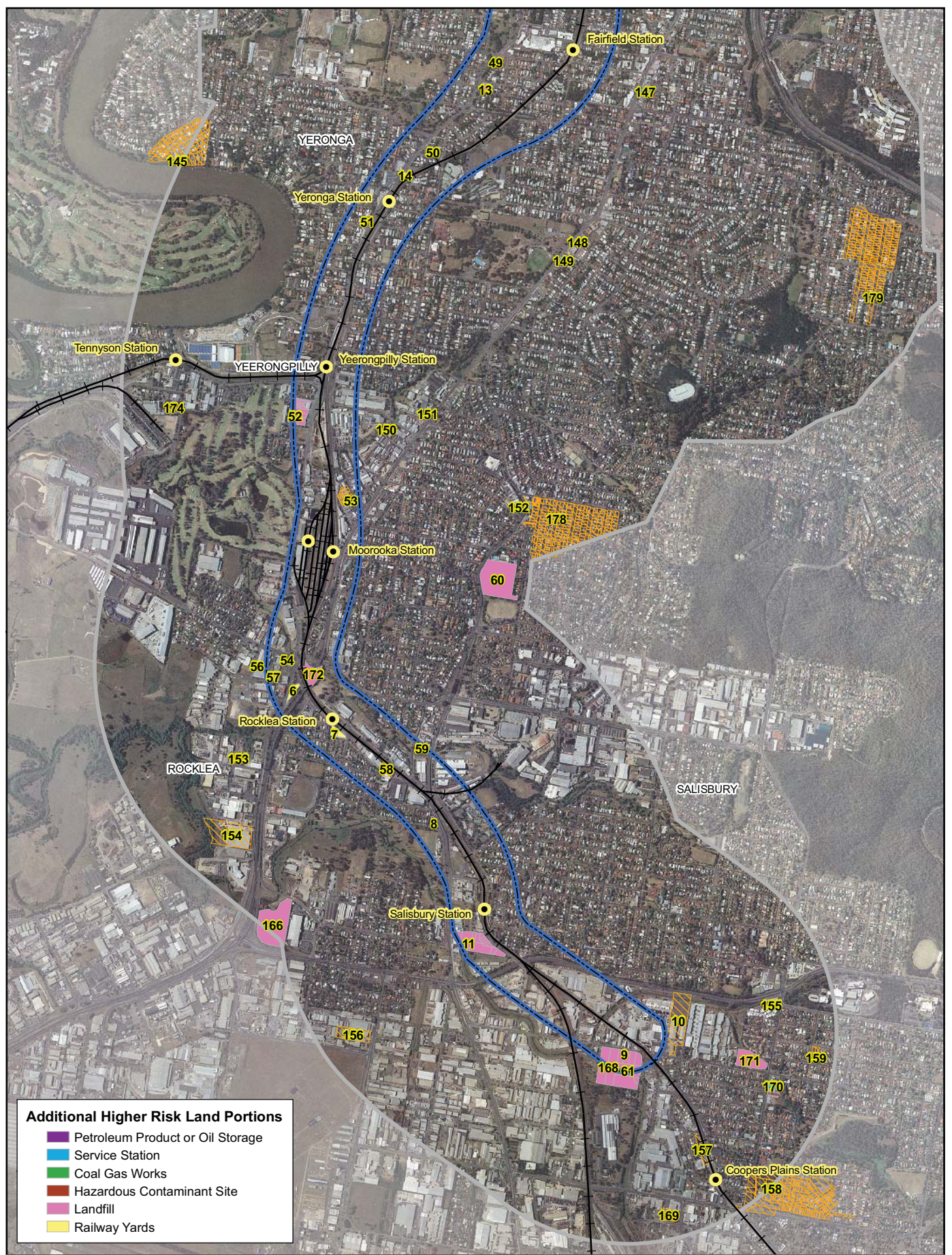
CROSS RIVER RAIL
ENVIRONMENTAL IMPACT STATEMENT

Figure 3-5
Additional Potentially Contaminated Properties
Spring Hill to Fairfield (Central Section)



CrossRiverRail





- Additional Higher Risk Land Portions**
- Petroleum Product or Oil Storage
 - Service Station
 - Coal Gas Works
 - Hazardous Contaminant Site
 - Landfill
 - Railway Yards

- LEGEND**
- Study Corridor
 - Study Area
 - Station
 - Track
 - Additional Potential Low Risk Land Parcels

CROSS RIVER RAIL
ENVIRONMENTAL IMPACT STATEMENT

Figure 3-6
Additional Potentially Contaminated Properties
Yeronga to Salisbury (Southern Section)

0 0.25 0.5 0.75 1 N

1:30,000 at A4

3.3 Roadside inspection

A targeted roadside inspection was undertaken of commercial and industrial areas within the study area, and of buildings identified from the aerial imagery search which appear to have possibly once housed potentially contaminating activities. The purpose of the roadside inspection was to identify sites that are not listed on the EMR/CLR and based on existing land use interpreted from aerial photography, which may have the potential to cause land contamination.

The roadside inspection was conducted in August and September, 2010. A total of 16 additional properties were identified from the inspection. A description of identified properties and photos of the roadside inspection have been included in **Appendix C**.

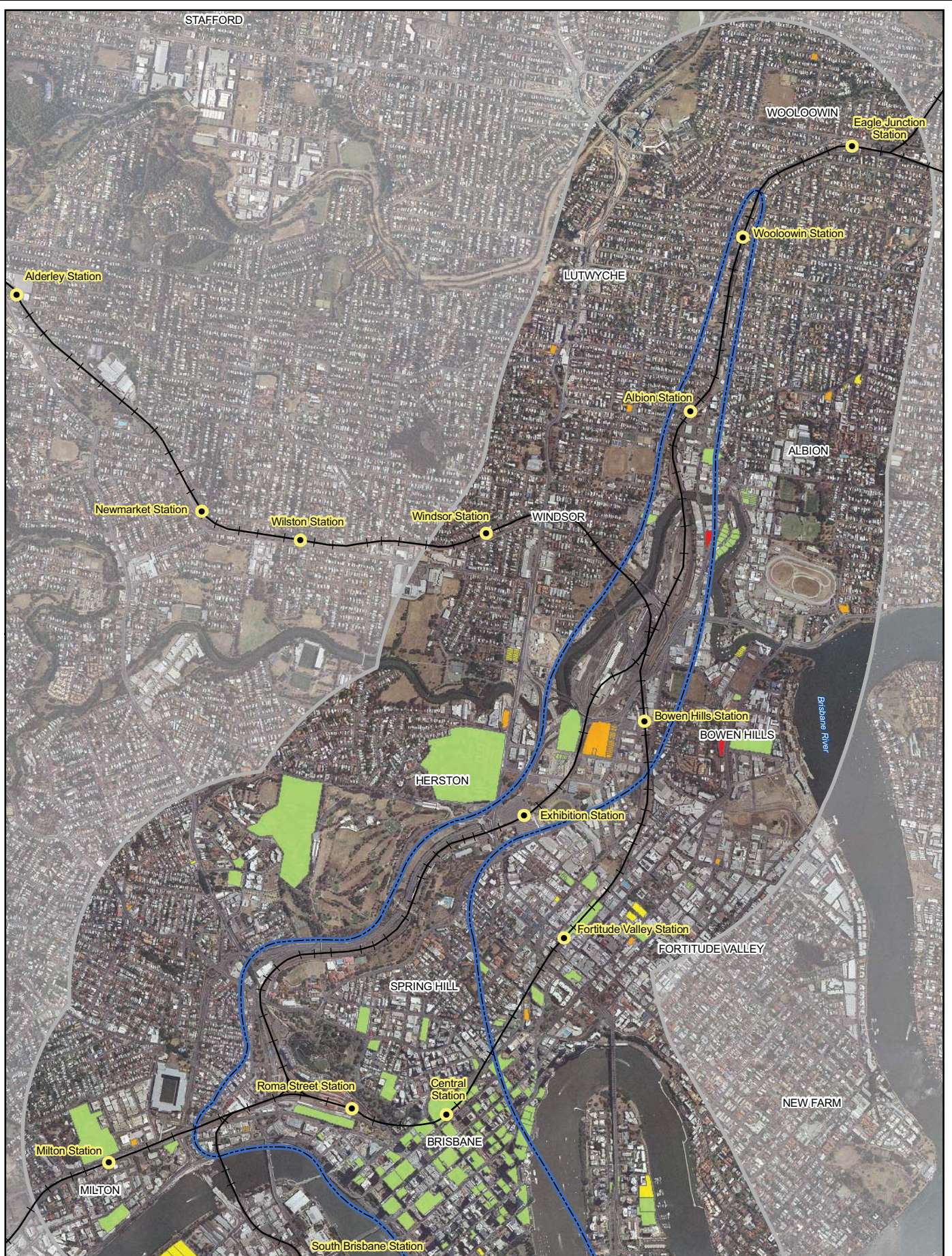
Additional properties identified within the study corridor include:

- landfill (Properties 166, 168 and 172) (considered to be higher risk)
- service station (Property 161) (considered to be higher risk)
- defence establishments or training areas (Property 173) (considered to be lower risk).

Additional properties identified outside the study corridor, but within the study area include:

- landfill (Properties 160 and 171) (considered to be higher risk)
- service station (Properties 167 and 170) (considered to be higher risk)
- chemical storage (Property 169) (considered to be lower risk)
- dry cleaning (Properties 162 and 175) (considered to be lower risk)
- printing (Properties 165 and 174) (considered to be lower risk)
- scrap yards (Property 164) (considered to be lower risk)
- wood treatment and preservation (Property 163) (considered to be lower risk).

The locations of the identified properties are provided in **Figure 3-7, Figure 3-8 and Figure 3-9**.



LEGEND

- Study Corridor ● Station
- Study Area — Track

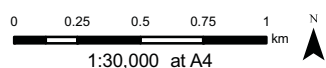
Flammable/Combustible Goods

- | | |
|---|---|
| Low Risk (Generator or AST) | UST 50,000 to 200,000 L |
| UST < 50,000 L | UST > 200,000 L |

CROSS RIVER RAIL ENVIRONMENTAL IMPACT STATEMENT

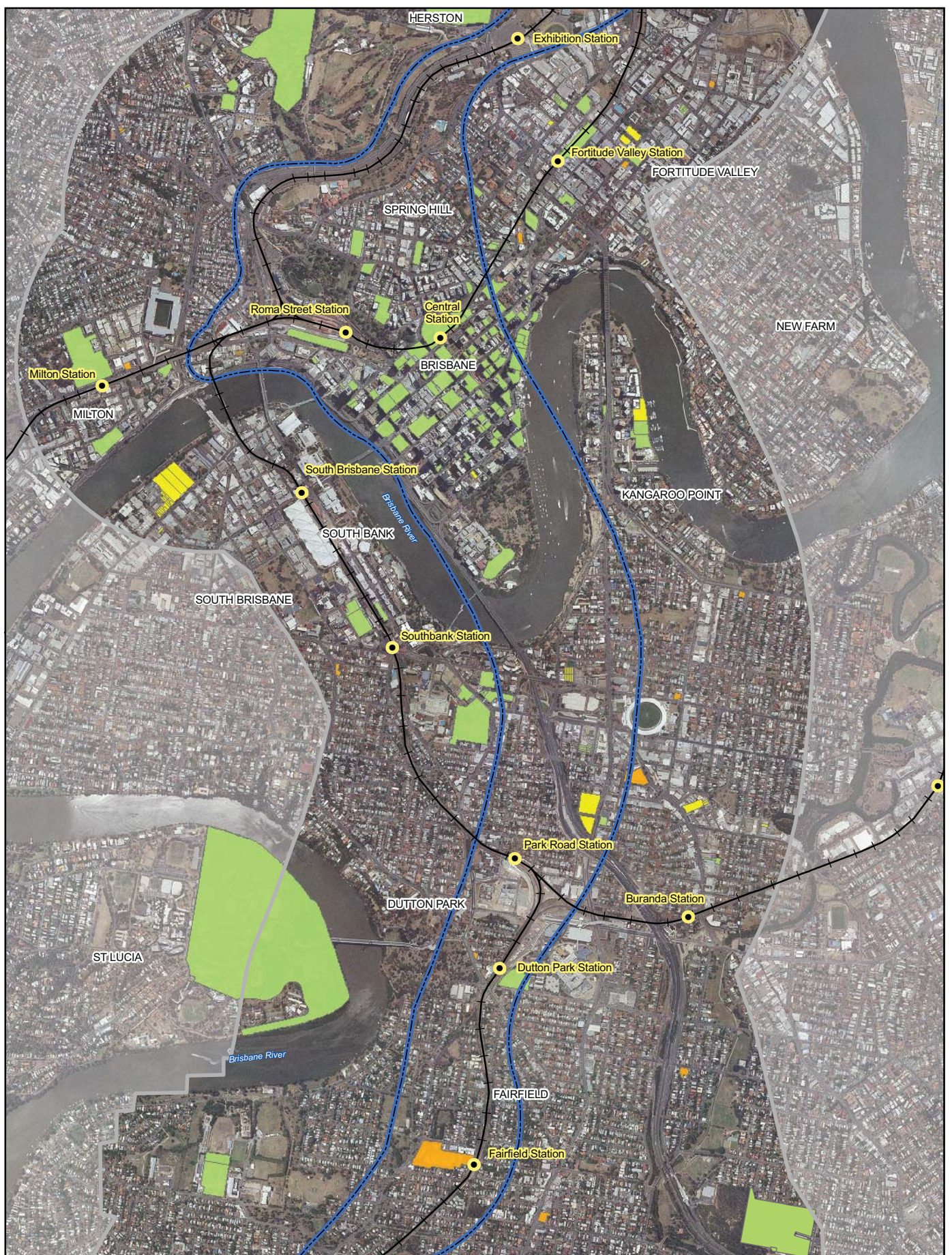
Figure 3-7

Flammable/Combustible Liquids Licenses Woolloowin to Bowen Hills (Northern Section)



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE



LEGEND

- Study Corridor ● Station
- Study Area — Track

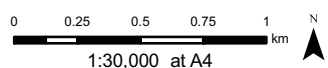
Flammable/Combustible Goods

- | | |
|---|---|
| Low Risk (Generator or AST) | UST 50,000 to 200,000 L |
| UST < 50,000 L | UST > 200,000 L |

CROSS RIVER RAIL ENVIRONMENTAL IMPACT STATEMENT

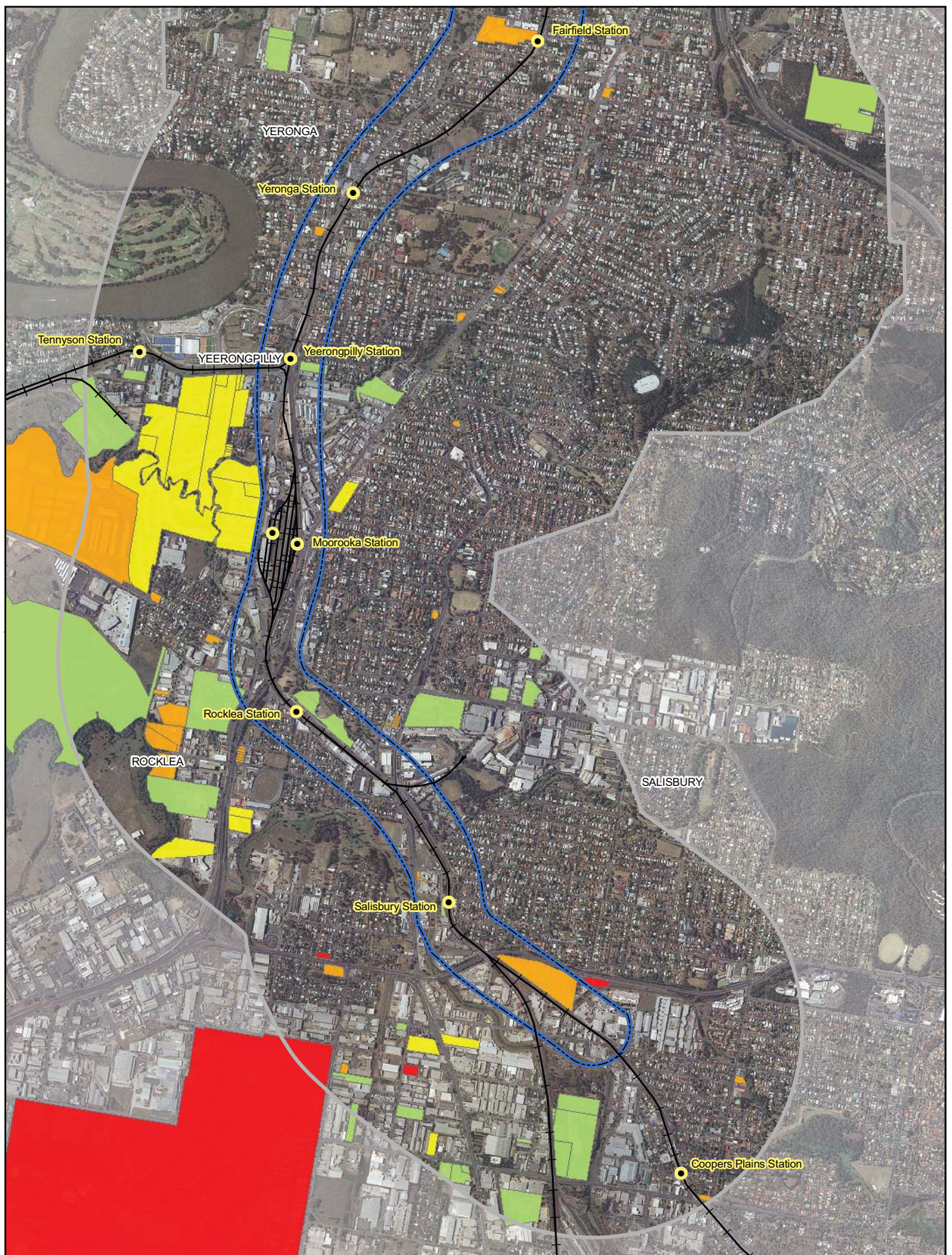
Figure 3-8

Flammable/Combustible Liquids Licenses Spring Hill to Fairfield (Central Section)



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE



LEGEND

- Study Corridor ● Station
- Study Area —+— Track

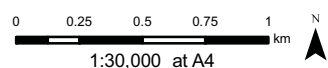
Flammable/Combustible Goods

- Low Risk (Generator or AST)
- UST < 50,000 L
- UST 50,000 to 200,000 L
- UST > 200,000 L

CROSS RIVER RAIL ENVIRONMENTAL IMPACT STATEMENT

Figure 3-9

Flammable/Combustible Liquids Licenses Yeronga to Salisbury (Southern Section)



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE

3.4 Flammable and combustible liquids

BCC maintains a register of Flammable and Combustible Liquids (F&C) stored on land parcels having current and/or cancelled licenses under the *Dangerous Goods Safety Management Regulation 2001*. DERM makes use of this register to identify any F&C licences that exceed threshold limits set by DERM that require listing on the EMR. Examples of notifiable activities that would require an F&C licence include, but are not limited to: chemical storage, petroleum product or oil storage; and service stations. If a land parcel with an F&C licence does not meet or exceed the threshold limits set by DERM (for notifiable activities), it is not required to be listed on the EMR. This information can be used to determine if potential contamination has been associated with the storage of F&C liquids that do not trigger DERM threshold limits.

Table 3-10 provides a summary of the information provided by BCC in terms of the number and type of tanks per business category within the study area (BCC Spatial Information (7/05/2010)). A total of 234 land parcels within the study area have been identified as having flammable liquid licenses. Assessment of this list indicates that 124 of these land parcels are not listed on the EMR. Of these land parcels, 41 of these have licenses for underground storage tanks and are considered therefore to pose a higher risk of contamination.

Within the study corridor, properties licensed for petroleum storage which are not listed on the EMR include:

- 6 land parcels with higher risk petroleum storage (underground storage)
- 52 land parcels with lower risk petroleum storage (aboveground storage)

Outside the study corridor but within the study area, properties licensed for petroleum storage which are not listed on the EMR include:

- 35 land parcels with higher risk petroleum storage (underground storage)
- 31 land parcels with lower risk petroleum storage (aboveground storage)

The locations of the properties are presented in **Figure 3-7**, **Figure 3-8** and **Figure 3-9**. A summary of the licence records is presented as **Appendix D**.

Table 3-10 Storage tanks per business category

Category	Commercial building	Educational facility	Factories & workshops	Hospital	Other	Service station	Warehouse	Unspecified	Total
A Category - Generator Storage	75	2	-	3	12	-	-	1	93
B Category - UST <= 50,000 litres	4	-	6	-	13	3	-	-	26
C Category - UST > 50,000 <= 200,000 litres	-	-	3	-	14	25	4	-	46
D Category - UST > 200,000 litres	-	-	-	-	2	4	-	-	6
Design Requirements - Flammable and Combustible Liquids	4	1	1	-	-	1	-	2	9
E Category - AST <= 10,000 litres	3	2	8	-	3	-	2	-	18
F Category - AST > 10,000 <= 50,000 litres	2	-	6	-	14	-	1	-	23
G Category - AST > 50,000 <= 200,000 litres	-	1	-	-	3	1	-	3	8
H Category - AST > 200,000 <= 1 million litres	-	-	-	-	3	-	-	-	3
I Category - AST > 1 million <= 50 million litres	-	-	1	-	1	-	-	-	2
Total	88	6	25	3	65	34	7	6	234

Note:

1. Underground Storage Tank (UST), Aboveground Storage Tank (AST)

Design Requirements means Australian Standard AS1940 applies and must be met for BCC to approve storage tank. Businesses storing above minimum quantities are required to submit details on the storage for approval prior to being issued with a licence

Underground storage tanks can be considered to pose a higher risk of land contamination on the basis that leaks from underground tanks may not be readily noticeable. There are 78 land parcels with underground storage tanks within the study area. Nearly half of the underground storage tanks are associated with service stations. The remainder are associated with various other land uses, including commercial/industrial sites.

Sites with aboveground storage of fuels pose a lower risk of land contamination on the basis that leaks from above ground tanks are more noticeable and therefore more likely to be mitigated. A total of 54 land parcels are located within the study area with aboveground storage F&C licenses.

Two land parcels within the study area are licensed to store between 1 million and 50 million L of flammable products. The land parcels have been identified as distributor warehouses for Dulux Australia and Wattyl, and are used for the temporary storage of pre-packaged paints, solvents and lacquers. Although both properties are within the study area, these facilities are unlikely to pose a higher risk of ground contamination on the basis that the flammable goods are handled and stored aboveground, and leaks and spills would be visible and therefore more likely to be addressed.

3.5 Potential for unexploded ordnance

Sites which are known or suspected of having been used for military activity are categorised according to the assessed potential for UXO on that site. Defence were contacted directly to search their database for sites with the potential for UXO (15/04/2010). The potential for UXO is usually associated with military activity which has occurred on the site.

The Archerfield Airport is located within the south western tip of the study area, and is included on the Defence database, and is listed as “Other.” The Department of Defence definition and warning for sites classed as “Other” is as follows.

Allied Defence Forces used many sites throughout Australia, during and after World War II, for encampments, field training, live firing of weapons and other military activities. Some of these sites may be in your region. Dangerous items of Unexploded Ordnance (UXO) may still sometimes be found on these sites. If you should find a suspicious item, that may be a UXO, do not touch or disturb it. It's been there for many years, it won't hurt you if you don't disturb it. Contact police they will arrange for military experts to attend and dispose of it.

Aside from this listing, no potential for UXO was identified within the study area, from the Defence database.

3.6 Queensland Rail contaminated land review

Not all Queensland Rail land within the rail corridor is listed on the DERM EMR/CLR. However, Queensland Rail and DERM acknowledge that past practices may have resulted in soil and/or groundwater contamination within railway land. Potential contaminating activities that may be associated with railway land may include:

- the disposal of ash material
- the stockpiling of fill and ballast
- maintenance activities and the use of chemicals (including solvents)
- leaks and spills from freight and locomotive machinery
- the use of herbicides/pesticides
- petroleum product and oil storage.

The north and south of the study corridor follow existing rail corridors managed by Queensland Rail. This includes approximately 9.3 km of the current South Coast Rail line in the south of the study corridor, and approximately 2.8 km from north of Bowen Hills to Woolloowin along the northern rail line. The central portion of the study corridor includes the major transit stations of Roma Street, Central and Bowen Hills, and the Exhibition Station.

3.6.1 Major current Queensland Rail assets within the study area

A discussion of major Queensland Rail assets located within the study area is included below.

- The majority of maintenance works and off-service storage for the Queensland Rail Fleet is undertaken at the Mayne Rail Yards in Bowen Hills. The yards have held a similar footprint since 1946. Progressively over time, the yards have been redeveloped to cater for additional rail lines and facility upgrades. Prior to 1983, a small oxbow creating an island in the western side of Breakfast Creek was filled to develop a rail bypass loop. Rail lines in the northern portion of the yards appear to have been removed prior to 2007 and the current aerial photography indicates this portion of the yards remains as vacant land.
- The Clapham Rail Yards on Fairfield Road were developed prior to 1946. The yards have occupied the same general layout since, although several additional buildings have been developed along the western aspect of the yards. The historical and current day use of the yards is not known. However it is likely that they have been used for a combination of maintenance, shunting and freight management.
- The Exhibition Loop was developed prior to 1946. The loop skirts to the south-east of the Inner City Bypass, connecting Roma Street Station to the Exhibition Station, before passing through the Mayne Rail Yards and connecting back to the North/South Coast Rail Corridor. Maintenance sheds run along portions of the Loop adjacent to Victoria Park, and are used for cleaning and general carriage maintenance.
- The Park Road Junction was developed prior to 1946. The junction connects the Cleveland Line and South Coast Line. A review of the historical aerial photography shows that a former freight line servicing the Kangaroo Point wharves was also routed through north of the junction. The South Coast Line was reconfigured to a more central alignment in the 1990s to allow for commercial land development along the eastern side of the rail corridor. The reconfiguration also included the construction of a rail overpass linking the southern extent of the South Coast Line to the Cleveland Line.
- The Yeerongpilly/Tennyson Junction was developed prior to 1946 and occupies a similar footprint. To the immediate south of the junction, a small outpost and bypass rail line was developed prior to 1946. Several additional buildings were progressively developed adjacent to the outpost. By 2007, the area has been cleared of all structures, and rail lines have been removed.
- South of Salisbury Station, a secondary line splits from the main South Coast Line to service commercial and industrial properties in the area. The line leads into a freight yard before splitting further and terminating at several large commercial/industrial buildings abutting the line. Rail infrastructure for this line was developed prior to 1983.

3.6.2 Former Queensland Rail assets within the study area

In addition to the current Queensland Rail assets above, historical former rail infrastructure within the study area, as identified during the historical aerial photography review, is described below:

- The current day Roma Street Parklands were formerly the Roma Street Goods and Freight Yards. Construction of the Yards and other rail infrastructure at the site commenced in 1873 (Blake, 2004). Redevelopment of the site was undertaken in 1911 and again in 1965 to increase efficiency and freight handling capacity (Blake 2004). The Yards were eventually decommissioned in 1991, and redeveloped as parkland in 2000 (Blake, 2004).

- A former freight rail line passed through the south of the study area. The freight line split to the north from Park Road Junction, and followed an alignment west of Ipswich Road. The rail line crossed Ipswich Road at Hawthorne Street and continued through to Logan Road, where it looped west toward a former shunting yard on the Go Print property. The rail line then headed north toward the former wharf infrastructure lining the South Brisbane and Kangaroo Point reaches of the Brisbane River. Given the line terminated at the wharves, it is likely that this line was used exclusively for freight transportation. Use of this rail line appears to have been discontinued in the early 1970's, coinciding with the development of the South-East Freeway over some portions of the former rail line.
- Former rail yards were identified at the site of the current Go Print, DERM and Dental Hospital in Woolloongabba. The purpose of the yards cannot be determined from the historical aerial photography, however given the proximity to the Kangaroo Point wharves it is likely that they were used for freight management and shunting. The yards were developed prior to 1946, and appear to have been decommissioned prior to 1983. The Go Print, DERM, and Dental Hospital buildings were developed prior to 1994, and an underground busway had been constructed directly south of the property by 2001.
- Former yards have been identified to the west of the Princess Alexandra Hospital in Woolloongabba. The purpose of the yards cannot be determined, however the yards may have been used for shunting and freight storage. The yards were redeveloped prior to 1994 and are currently vacant land within the rail corridor.
- A small rail terminus just north of Albion Station has been progressively reconfigured since 1946. The land appears to have been overhauled prior to 2001, with the removal of the rail line through the centre of the site. The land still appears to be managed by Queensland Rail as a maintenance yard.
- A freight line servicing the former Newstead Gasworks and wharves has been identified in the northern part of the study area. The former line split from the current Fortitude Valley/Bowen Hills stretch and followed the suburb boundary down to Breakfast Creek Road. The line then entered the former Newstead Gasworks and split to two separate lines servicing the northern and southern Newstead wharves. The northern line terminated at Newstead Avenue. It is unclear whether the southern line extended past Dath Street. The freight line appeared disused and the wharves serviced by the northern and southern terminus were each under redevelopment in 1994. By 2007, several buildings had been constructed directly over the former line, and the former gasworks infrastructure had been removed.

3.6.3 Known contamination of Queensland Rail assets within the study area

Regarding Queensland Rail managed land within the study area, the following anecdotal information was provided by Queensland Rail as part of the Project investigation, or from previous investigations conducted by SKM & Connell Wagner JV during the Northern Link EIS and Airport Link EIS:

- Lot 2 on SP116599, the Mayne Railway Yards. The Mayne Railway Yards have been used by Queensland Rail for over 100 years. Hydrocarbon contamination exists on site. A layer of 'free phase' hydrocarbon product floating on top of the shallow groundwater system was identified in the late 1990s and early 2000s during site excavation activities (Airport Link EIS, 2005; Northern Link EIS, 2008). The source of contamination was a leaking diesel reticulation line associated with two old 60,000 Litre (L) aboveground storage tanks (ASTs) and related above ground handling. The ASTs were removed during construction of the Inner City Bypass (ICB) and replaced with a 30,000 L AST located toward the centre of the southern yard.

- A contamination risk assessment was conducted in the mid 1990s at Mayne Rail Yards and Queensland Rail advised that residual contamination was being managed at the site (Airport Link EIS, 2005; Northern Link EIS, 2008). The Mayne Rail Yards have been confirmed as having free phase hydrocarbon products floating on top of the groundwater system (May 2010). A site monitoring and remediation program is currently being undertaken at the Mayne Rail Yards. The program involves the pumping of free phase hydrocarbons from groundwater, to be treated at the site wastewater treatment plant (GeoEnvironmental Consultants, 2010). The inferred groundwater flow direction is to the northwest towards Enoggera Creek. Ongoing monitoring of water quality in Breakfast Creek is also undertaken to monitor compliance with the site's Environmental Licence (GeoEnvironmental Consultants, 2010).
- Two plumes were present onsite during the April 2010 groundwater monitoring undertaken by GeoEnvironmental Consultants (2010): the western plume exceeding 75 m in breadth, and the eastern plume exceeding 25 m in breadth. The thickness of "free phase" hydrocarbons within monitoring wells intersecting the two plumes did not exceed 5mm at any location (GeoEnvironmental Consultants, 2010).
- Lot 14 on SP158920 located south of the Mayne Railway Yards. As part of the Northern Link EIS (SKM Connell Wagner JV, 2008), Queensland Rail advised that this lot, due to proximity to the Mayne Railway Yards, has the potential for diesel fuel contamination in groundwater. This is associated with the leaking diesel reticulation line, mentioned above, on Lot 2 on SP116599, (Airport Link EIS, 2005; Northern Link EIS, 2008).
- A Site Management Plan applies to the former rail corridor at Breakfast Tree Creek in Newstead adjacent the former Gas Works.
- Typically, Queensland Rail corridor land is listed on the EMR for hazardous contaminant for arsenic residue from herbicide/pesticide spraying during the 1940s and 50s. Limited soil sampling and testing has been conducted within metropolitan corridors. However, it is expected that levels of arsenic are low as procedures were in place to prevent or limit the herbicide treatment in sensitive areas near residential buildings, creeks, etc. The application of herbicide was limited by equipment; only a thin strip spray was directed on the track. Residues of arsenic still exist in track formation soils as arsenates bind well to soil particles. There has been no indication of arsenic contamination effects on groundwater in any Queensland Rail land (Airport Link EIS, 2005; Northern Link EIS, 2008).
- Railway stations within the study area service the passenger network and typically do not have contamination issues other than minor arsenic contamination in soil along railway tracks as mentioned above (Airport Link EIS, 2005; Northern Link EIS, 2008). There is the potential for oils and other contaminants to be discharged to the track with incidental leakage of fluids from carriage mechanics or freight.

3.7 Brisbane City Council landfills

To meet its reporting obligations under the EP Act, BCC maintains records of all known BCC landfill sites and a summary of their operational history. There are no presently operating BCC administered landfills within the study area.

Based on the EMR records reviewed, there are a total of 50 land parcels which have been listed for the notifiable activity of 'landfill' within the study area, as presented on **Figure 2-1**, **Figure 2-2** and **Figure 2-3**. The nature of disposed materials and closure dates of facilities were not available as part of this investigation. These landfills have generally been redeveloped as parks and recreational open space, however one stretch of rail line correlating with Salisbury Station is listed as landfill.

Limited information on landfills has been obtained from previous investigations conducted by SKM Connell Wagner JV during the Northern Link EIS (2008) and Airport Link EIS (2005).

- Lot 2 on RP114914 located at 61 Cartwright Street, Windsor. BCC records indicate the landfill operational between September 1952 and June 1953. The landfill contains refuse which is approximately 2 m deep (Airport Link EIS, 2005).
- Lot 20 on RP56334 located at 61 Cartwright 46/4 Bryden Street Windsor. BCC records indicate the landfill operational between September 1952 and June 1953. The landfill contains refuse which is approximately 2 m deep (Airport Link EIS, 2005).
- Lot 1 on RP19518 located at 2A Jimbour Street, Woolloowin. BCC records indicate the site operated as a sanitary landfill from March 1958 to May 1958. The depth of waste is approximately 2m. BCC do not monitor this landfill or surrounding water courses (Airport Link EIS, 2005).
- Lot 2 on RP33818 located at 61 Bertha Street, Woolloowin. Within Kalinga Park, this area between Park Avenue and Bertha Streets and bounded to the south by Henry Street was previously known as Nash Oval. In 1989 the soil on this oval was analysed and found to have elevated radioactive levels. BCC decided to cancel the lease on the oval that had been held by the Public Service Rugby League and declared it would remain as an open space not to be used for organised sport. Environmental Management of the site was undertaken in 1993. Queensland Health confirmed that this site (Lot 2 on RP33818) was remediated and validated in 1993 with all radioactive sand taken to the Mt Coot-Tha Quarry. The site is not listed on the EMR maintained by DERM. BCC has concluded that the site was remediated in 1993 to a level within Queensland Health action levels and on this basis no further remedial action is required at the site (Airport Link EIS, 2005).
- 28 individual land parcels at Butterfield Street and Ramsey Park, Herston were listed on EMR in 2006. This area operated as a landfill between the 1930s and 1940s. Waste disposed was predominately domestic refuse and ash. The depth of waste is approximately 2.5 m (Northern Link EIS, 2008).
- Lot 556 on SP133445 (137 Kelvin Grove Road, Kelvin Grove) was listed on EMR in 1994. No details about the type of fill or duration of filling available (Northern Link EIS, 2008).

It is important to note that the presence of private landfills may have historically occurred at properties within the study area.

3.8 Summary

A total of 2,972 land parcels within the study area were listed on the Environment Management Register (EMR).

Within the study corridor:

- 506 land parcels were listed on the EMR
- 432 land parcels were identified with notifiable activities which are considered to be of higher risk
- 74 land parcels were identified with notifiable activities which are considered to be of lower risk
- 14 land parcels are managed under a Site Management Plan (SMP).

Outside the study corridor, but within the wider study area:

- 2,466 land parcels were listed on the EMR
- 1,437 land parcels were identified with notifiable activities which are considered to be of higher risk
- 1,029 land parcels were identified with notifiable activities which are considered to be of lower risk
- 114 land parcels are managed under a SMP.

A total of 46 land parcels were listed on the EMR without a Lot and Plan description. DERM has advised this indicates that these parcels are common land and are not assigned an identifying property description. Of these land parcels, 31 were listed for notifiable activities which were considered to be of higher risk.

The BCC Flammable and Combustible Liquids Licenses records indicate that 84 land parcels within the study area which currently hold licenses are not listed on the EMR, and of these 27 land parcels have licenses for underground storage.

Based on the reviews of historical records, including historical aerial photography, the *BCC 1965 Land Use Plan* mapping and a preliminary vehicular based inspection, an additional 281 properties within the study area have been identified which may have had a land use which may constitute a notifiable activity or have the potential to cause contamination and which have not been listed on the EMR. Of these properties, 108 are located within the study corridor.

Of these additional properties within the study corridor:

- 46 properties were identified with potential notifiable activities which are considered to be of higher risk
- 62 properties were identified with potential notifiable activities which are considered to be of lower risk.

Specific areas which have been identified as of interest for contaminated land within the study area with regards to the Project are summarised below.

- The Mayne Rail Yards have confirmed hydrocarbon groundwater contamination. The contamination is currently undergoing remediation and is being monitored by Queensland Rail as part of the Environmental Licence.
- Queensland Rail have advised that the rail corridor has the potential to have been historically treated with pesticides (including arsenic) and other solvents and oils, and may have uncertified fill materials. It is therefore likely that contamination of the rail corridor soils would have occurred.
- The area of the current Go Print site was originally used as a former rail yard, and a former rail line ran in a northwest direction to service wharves through this area.
- The former Roma Street Goods and Freight Yards were redeveloped in 2000 to the current Roma Street Parklands, however there is still the potential that this property contains contamination which may be at unacceptable levels for the purposes of this Project.
- Many properties within the CBD have been listed on the EMR for the notifiable activity of "petroleum product or oil storage". License details from BCC indicate that the majority of petroleum storage within the CBD is aboveground and therefore poses a lower risk of ground contamination.
- There are a total of 50 land parcels within the study corridor listed on the EMR for the notifiable activity of "Landfill." In addition, 21 properties have been identified as potentially being used for land filling activities. No currently active BCC operated landfills are located within the study area.

4 Potential impacts and mitigation

The existing environment assessment has identified land parcels that are listed on the EMR or have been identified as an additional potentially contaminated land parcel. For the purposes of this assessment, a land parcel which is listed on the EMR or which has been identified as an additional potentially contaminated land parcel is referred to as a “potentially contaminated site”.

4.1 Corridor-wide considerations

4.1.1 Disturbance of potentially contaminated soils

Impacts

Project construction sites which are located at surface or involve the excavation of soil have the potential to intercept contaminated soil. This would be most likely to occur at a land parcel which is a potentially contaminated site, and to a lesser extent at a land parcel which is located adjacent to a potentially contaminated site. The disturbance of potentially contaminated soil could occur at 74 potentially contaminated sites. A brief summary of the potentially contaminated sites likely to be disturbed by the Project is provided in **Section 4.2**, **Section 4.3** and **Section 4.4**. The locations of these potentially contaminated sites are presented in **Figure 4-1**, **Figure 4-2** and **Figure 4-3** respectively. The Project elements identified in **Section 4.2**, **Section 4.3** and **Section 4.4** are those that may result in the disturbance of potentially contaminated soils. In addition to these Project elements are the worksites which are not located within land parcels on the EMR and therefore are unlikely to disturb potentially contaminated soils. These Project elements are described in **Table 4-1**.

Table 4-1 Project worksites not located within land parcels on the EMR

Worksite	Purpose	Location
O'Connell Terrace	Construction support sites for the regrading of O'Connell Terrace, including road over rail bridge.	Three sites are located on O'Connell Terrace, including between Sneyd Street and the ICB and either side of Tufton Street.
Albert Street – north	This site would be used for the construction of the northern station entrance and associated plant.	North-east corner of Albert and Mary streets.
Boggo Road Station	This site would be used for the construction of the cut and cover station box, entrance shafts and associated plant.	Adjacent to Annerley Road at Boggo Road Urban Village, either side of Peter Doherty Street. A second support site is located between Boggo Road and the Boggo Road Busway Station.
Southern ventilation and emergency access building	Construction of ventilation shaft and emergency access building.	On the median between Fairfield Road and Railway Road, south of Bledisloe Street and on Energex land east of Railway Road, between Bledisloe and Sunbeam streets.
Moorooka	Construction site and stockpiling of materials for the construction of the viaduct.	Two worksites are located in this area, including: 1. on residential land located between Ipswich Road and the existing rail corridor 2. on industrial land bounded by Unwin Street, Ipswich Road and the railway corridor, adjacent to Moorooka station.
Rocklea	Material laydown area for construction of the new surface tracks.	On industrial land between Annie Street and the railway corridor, east of Rocklea station.

Mitigation measures

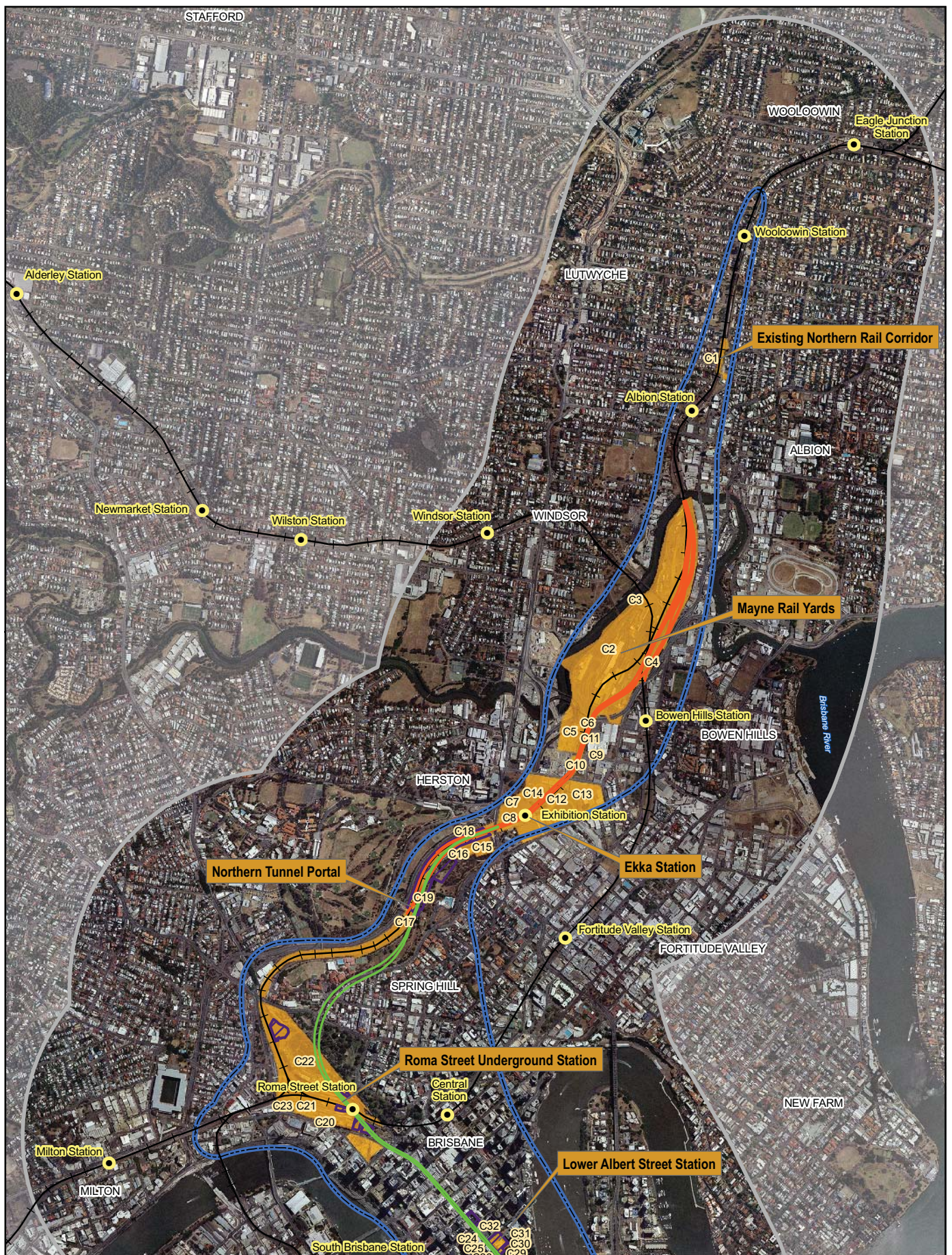
The significance of contamination at the 74 potentially contaminated sites is currently unknown. Detailed investigations would be undertaken including discussions with the land owner, BCC, and/or DERM during the detailed design phase of the Project, to establish whether existing contaminated site data is available. Where appropriate data is not available, further investigation of these sites would be required based on the requirements of the Draft Guidelines and the NEPM (and variations to the NEPM approved by DERM). Further investigations are to be undertaken by a person whose qualifications and experience complies with the requirements of Section 381 of the EP Act. A suitably qualified person would also supervise the activities. A site-specific detailed mitigation plan for the construction and operation phases of the Project would be developed following the acquisition of appropriate data.

Construction activities relating to the disturbance, excavation, removal and/or disposal of contaminated soil and/or groundwater must ensure that environmental harm is prevented. To achieve this outcome, specific mitigation measures must be developed and implemented. Mitigation measures to be undertaken during construction would include:

- providing appropriate barriers to prevent public access to construction areas
- implementing appropriate work place health and safety controls including but not limited to the wearing of appropriate personal protective equipment (PPE) and implementing hygiene controls; details of inspections and workplace health and safety compliance would be documented throughout construction and operation phases
- management and prevention of dust emissions
- minimising the potential for the off-site erosion of contaminated soils through implementation of appropriate erosion and sediment controls and managing the extent of disturbed areas
- minimising the exposure of humans and the environment from potentially contaminated soils during excavation activities
- mitigation of odour emissions which occur during or as a result of excavation activities by use of water sprays, odour suppressants and/or the odour causing material covered by plastic or mulch
- controls for material haulage, such as covering loads or wetting material to reduce airborne dust emissions
- documentation of all contaminated material during transport operations (including the descriptions of processes, personnel and organisations involved in the removal, transportation and placement of contaminated material)
- monitoring of contaminated material movement and disposal.

In accordance with Section 424 of the EP Act removing and/or disposing contaminated soil from land which is recorded on the EMR or CLR to an off-site location will require a DERM disposal permit.

Consideration must also be given to the management of contaminated land during the operation of the Project. Where contaminated material is to remain on-site, current practices to prevent contact with the general public and the environment is to provide adequate protection or containment capping (ie to break pollutant linkage pathways). Where practicable, contaminated soils would be retained and managed on-site to minimise off-site disposal requirements. This strategy could ideally be incorporated in areas where excavation of materials is not required as part of Project works, by preferentially reusing insitu materials on-site as opposed to imported fill materials. Where practicable, contaminated soils would be retained on-site to minimise off-site disposal requirements.



LEGEND

- | | |
|--|------------------|
| Study Corridor | Alignment |
| Study Area | Above Ground |
| Station | Underground |
| Track | Worksites |
| Potentially Contaminated Properties intersected by Surface Works | |

CROSS RIVER RAIL
ENVIRONMENTAL IMPACT STATEMENT

Figure 4-1
Potentially Contaminated Land intersected
by Surface Works - Woolloowin to Bowen Hills
(Northern Section)

0 0.25 0.5 0.75 1 km
1:30,000 at A4

CrossRiverRail

SKM aurecon
CRR JOINT VENTURE

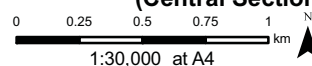


LEGEND

- | | |
|--|------------------|
| Study Corridor | Alignment |
| Study Area | Above Ground |
| Station | Underground |
| Track | Worksites |
| Potentially Contaminated Properties intersected by Surface Works | |

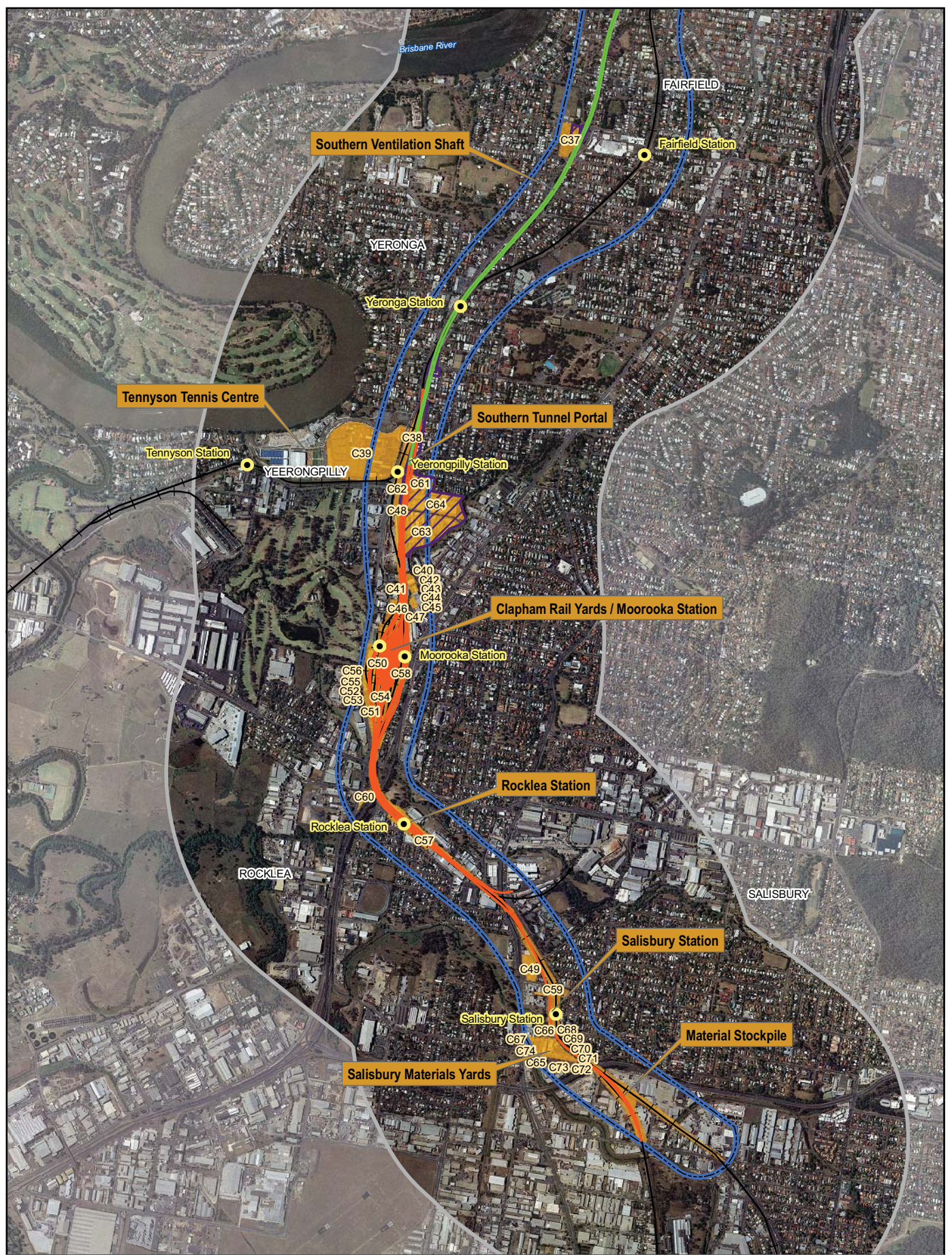
CROSS RIVER RAIL ENVIRONMENTAL IMPACT STATEMENT

Figure 4-2
Potentially Contaminated Land intersected by Surface Works - Spring Hill to Fairfield (Central Section)



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE

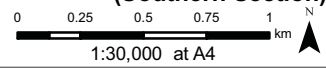


LEGEND

- | | |
|--|------------------|
| Study Corridor | Alignment |
| Study Area | Above Ground |
| Station | Underground |
| Track | Worksites |
| Potentially Contaminated Properties intersected by Surface Works | |

CROSS RIVER RAIL
ENVIRONMENTAL IMPACT STATEMENT

Figure 4-3
Potentially Contaminated Land intersected
by Surface Works - Yeronga to Salisbury
(Southern Section)



CrossRiverRail

SKM aurecon
CRR JOINT VENTURE

4.1.2 Disturbance/migration of potential groundwater contamination

Impacts

A conceptual hydrogeological and groundwater drawdown model has been prepared for the Project. The model describes the area of land surrounding the Project which could potentially be subject to groundwater drawdown (the drawdown area).

A total of 3,245 properties are located within the study area, of which 99 sites of higher risk are located within the groundwater drawdown predicted for 10 years following tunnel construction. A plan showing the potentially contaminated sites within the drawdown area is shown in **Figure 12-9 of Chapter 12 Groundwater**.

Potential impacts from contaminated groundwater during the construction phase of the Project include:

- dermal (skin contact) and/or ingestion risk to construction workers working in open excavations or confined spaces where contaminants are present in groundwater
- discharge of potentially contaminated groundwater from worksites to surface water, potentially impacting on human or ecosystem health
- inhalation risk to construction workers working in open excavations or confined spaces where volatile or semi-volatile contaminants are present in groundwater
- restrictions on the utilisation and disposal of contaminated groundwater arising from dewatering of the below ground works.

Potential impacts from contaminated groundwater during the operation phase of the Project include:

- risk to the public and workers of subterranean Project infrastructure where volatile or semi-volatile contaminants are present in groundwater
- risk to infrastructure susceptible to contaminants in groundwater (eg rubber ring joints in pipes are susceptible to hydrocarbons in groundwater).

Mitigation measures

Investigations are required during the detailed design phase of the Project to determine the availability of groundwater information for the higher risk sites within the groundwater drawdown area. This would include consultation with BCC and/or DERM.

Where appropriate groundwater information is not available, regional groundwater monitoring would be undertaken to establish whether contamination is likely to be present in groundwater systems potentially impacted by the Project. This would also assist in establishing mitigation measures for construction and operation, such as the need to treat groundwater drawn into the Project infrastructure prior to discharge. A groundwater monitoring program is proposed to inform and support the construction and operation phases of the Project and is described in **Section 12.3.5 of Chapter 12 Groundwater**. This monitoring program would also include triggers to identify mobilisation of contaminated groundwater both insitu and at collection points.

4.1.3 Contamination sourced from potentially contaminated sites adjacent to project works

Impacts

Potentially contaminated sites adjacent to the construction footprint have the potential to impact on the Project through the migration of contamination via groundwater, and the migration of soil gas.

Site specific impacts and mitigations for properties identified as part of this investigation will be addressed in following sections.

Mitigation measures

During Project works, consideration would be given to potentially contaminated sites adjacent the Project. Impacts that these properties may have to the Project and subsequent recommendations for further assessment and/or mitigation have been discussed in **Table 4-2**.

For properties where there is a higher risk of contaminant migration affecting the Project, further investigations may be required during the detailed design phase to enable the establishment of appropriate mitigation measures during the construction and operation phases.

4.1.4 Soil gas accumulation in subsurface structures

Impacts

Where contamination or putrescible material in soil and/or groundwater is of a volatile nature or produce gas, there is the potential for the vapour or gas (soil gas) produced to be noxious. Soil gas has the potential to migrate into and accumulate in subsurface structures which are located in the vicinity of:

- former landfills, tips or areas of fill containing putrescible materials
- ground and/or groundwater contamination associated with volatile and semi-volatile organic substances
- naturally occurring materials which contain high concentrations of organic materials such as former marshes, peats or alluvial areas.

Soil gas has the potential to pose a risk to human health or result in explosive atmospheres. In particular, properties located within the vicinity of current or former landfills are at risk from the lateral migration of gases. Lateral gas migration from landfill sites can occur long after waste has been disposed of, with underground services potentially acting as conduits for gases to enter subterranean structures.

Mitigation measures

Further consideration is required during the detailed design phase of the potential risk from soil gas and contaminants in soil and groundwater. This includes undertaking investigations in the vicinity of planned subsurface infrastructure to establish soil gas regimes and identifying mitigation measures for construction and operation.

The accumulation of soil gas can be minimised by managing inflows of potentially contaminated groundwater and/or soil gas into subsurface structures through appropriate design and construction techniques, and the installation of appropriate ventilation systems.

Gas monitoring systems and alarms would be fitted in subsurface infrastructure to assess ambient gas concentrations, such as oxygen, methane, carbon dioxide and carbon monoxide.

4.1.5 Disturbance of asbestos containing materials

Impacts

There is potential for buildings or historically filled areas of land to contain asbestos materials, which if disturbed may require mitigation during construction. If inappropriately managed, asbestos has the potential to impact on human health.

Mitigation measures

Where buildings or structures are to be partially or fully demolished for the Project, an asbestos audit would be required prior to commencing demolition.

During intrusive works, where asbestos is suspected in fill materials, works would cease until analytical testing can confirm the presence or absence of asbestos. If asbestos is present, appropriate management measures for asbestos containing materials would be implemented.

Asbestos is to be managed in accordance with but not limited to the following:

- *Environmental Protection Act 1994*
- *Workplace Health and Safety Act 1995*
- *Workplace Health and Safety Regulation 2008*
- *National Code of Practice for the Management and Control of Asbestos in Workplaces*
- *National Code of Practice for the Safe Removal of Asbestos (2nd Edition).*

4.2 Woolloowin to Bowen Hills

Properties between Woolloowin and Bowen Hills which are directly affected by the Project are discussed in greater detail in the following section, and are shown on **Figure 4-1**.

4.2.1 Sites directly impacted by the Project – existing northern rail corridor

- Lot 22 on plan SP122245 (Notifiable activity 'hazardous contaminant')

The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of contamination has not been established within the context of this EIS.

Impacts

Surface works that disturb the ground to the rail lines to install temporary crossovers for track diversion, if required, near Albion Station.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and management and/or mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.2.2 Sites directly impacted by the Project – Mayne Rail Yard

- Lot 2 on plan SP158926 (Notifiable activities 'petroleum product or oil storage/railway yards')
- Lot 1 on plan RP892797; Lot 34 on plan SP158925 (Notifiable activity 'railway yards')

The Mayne Rail Yard is listed on the EMR for the notifiable activities 'petroleum product or oil storage/railway yards'. Groundwater at the Mayne Rail Yard is known to be contaminated from a historic diesel release onsite and is currently undergoing remediation and monitoring.

Impacts

The Project would require reconfiguration and addition to rail lines passing through the Mayne Rail Yard, as well as piling for viaduct piers to support additional incoming rail tracks. There is the potential that the rail bridge currently passing over Breakfast Creek (to the north of Mayne Rail Yard) will also be upgraded as part of the Project works. This may result in disturbance of or changes to bridge foundations. In addition, parts of the Mayne Rail Yard are expected to be used for construction laydown and temporary storage.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

Construction activities may impact on the current remediation of known groundwater contamination at the Mayne Rail Yard and may require reconfiguration of the existing groundwater remediation system. Further investigation is required into the positioning of the groundwater remediation works to ensure that impacts to the existing remediation system are minimised.

4.2.3 Sites directly impacted by the Project – Mayne Rail Yard

- Lot 13 on plan SP158918, Lot 14 on plan SP158920 (Notifiable activity 'petroleum product or oil storage')

According to the F/C liquids license records, the land parcel has a current license for the above ground storage of between 50,000 and 200,000 litres of F/C liquids.

Impacts

The construction of a new electrical substation is required to support infrastructure upgrades.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.2.4 Sites directly impacted by the Project – O'Connell Tce worksite

Lot 2 on plan SP144596 (Notifiable activity 'petroleum product or oil storage')

Impacts

The land parcel is proposed to be used as a temporary construction/laydown yard.

Mitigation measures

No specific mitigation measures are required to be incorporated into the Project design at present. Refer to the draft outline EMP to identify and manage unanticipated contamination.

4.2.5 Sites directly impacted by the Project – existing northern rail corridor, Ekka Station

- Lot 455 on plan SL3473; Lot 11 on plan SP156029; Lot 454 on plan SP122217; Lot 3 on plan RP113229; Lot 474 on plan SL12086; Lot 481 on plan SP196765 (Notifiable activity 'hazardous contaminant')
- Lot 3 on plan SP190738 (Notifiable activity 'petroleum product or oil storage')

The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS.

Impacts

The duplication of the surface rail track would impact on properties within the existing Queensland Rail corridor. As part of these Project works, the Ekka Station would be construction as a replacement to the existing Exhibition Station.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.2.6 Sites directly impacted by the Project – existing northern rail corridor, northern tunnel portal

- Lots 496 and 691 on plan SL12309 (potential notifiable activity 'defence establishment or training area')

The properties have been identified as a former RAAF Store from the *BCC 1965 Land Use Plan* mapping.

Impacts

Partial excavation of the above properties may be required for the northern portal works.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.2.7 Sites directly impacted by the Project – existing northern rail corridor, northern tunnel portal

- Lot 32 on plan SP172136; Lot 34 on plan SP172136/ Lot 32 on plan SP122215 (Notifiable activity 'railway yards')

Impacts

The duplication of the surface rail track would impact on properties within the existing Queensland Rail corridor and the development of the northern tunnel portal.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.3 Spring Hill to Dutton Park

Properties between Spring Hill and Dutton Park which are directly affected by the Project are discussed in greater detail in the following section, and are shown on **Figure 4-2**.

4.3.1 Sites directly impacted by the Project – Roma Street Station

- Lot 1 on plan SP207220 (Notifiable activity 'petroleum product or oil storage/railway yards')
- Lot 35 on plan SP207219; Lot 60 on plan SP207215 (Notifiable activity 'railway yards')

The former Roma Street rail yards were historically located in the area now occupied by the Roma Street Parklands. The rail yard has been remediated during redevelopment. However, the property remains on the EMR. Further investigation is required to establish whether contamination remains and whether this poses a potential risk during the construction and operation phases of the Project.

The Roma Street Transit Centre is currently listed on the EMR for 'petroleum product or oil storage'. A review of the BCC F/C liquids licence details indicate that Lot 1 on SP207220 holds a license for between 50,000 litres and 200,000 litres of on-site above ground F/C storage.

Impacts

The construction and operation of the new underground Roma Street station may impact on potentially contaminated soil or groundwater from properties within the construction footprint and from potentially contaminated properties within the immediate vicinity of the station.

Portions of Lot 60 on plan SP207215 have also been identified as a potential satellite construction worksite.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.3.2 Sites directly impacted by the Project – Roma Street Station Construction Yard

- Lot 37 on plan SP169852

Impacts

The land parcel is proposed to be used as a temporary construction/laydown yard.

Mitigation measures

No specific mitigation measures are required to be incorporated into the Project design at present. Refer to the draft outline EMP to identify and manage unanticipated contamination.

4.3.3 Sites directly impacted by the Project – Lower Albert Street Station

Lot 1 on plan RP110657; Lots 1 to 3 on plan RP1068; Lot 2 on plan RP111828; Lot 22 to 23, 36 to 37 on plan B118243 (Notifiable activity 'petroleum product or oil storage')

Impacts

The construction and operation of the lower Albert Street station may impact on potentially contaminated soil and/or groundwater.

The Royal on the Park hotel and surrounding land parcels would be acquired and demolished for the development of the lower Albert Street station. All land parcels making up the Royal on the Park are listed on the EMR for 'petroleum product or oil storage'. A review of the BCC F/C liquids licence details indicates that there are no current F/C licenses for the property

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.3.4 Sites directly impacted by the Project –Gabba Station

- Lot 63 on plan SP184386 (Notifiable activity 'railway yards')
- Lot 1291 on plan CP899829, Lot 1292 on plan CP899830 (Notifiable activity 'railway yards/hazardous contaminant')

Impacts

The construction and operation of the Gabba station and surrounding precinct works may be impacted by potentially contaminated soil and/or groundwater from properties within the construction footprint.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.3.5 Sites directly impacted by the Project –Gabba Station

Lot 11 on plan RP11195 (Notifiable activity 'petroleum product or oil storage')

Impacts

The construction and operation of the Gabba station and surrounding precinct works may be impacted by potentially contaminated soil and/or groundwater from properties within the construction footprint.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4 Dutton Park to Salisbury

Properties between Dutton Park and Salisbury which are directly affected by the Project are discussed in greater detail in the following section, and are shown on **Figure 4-3**.

4.4.1 Sites directly impacted by the Project – Fairfield construction yard

- Lot 1 on plan RP230277 (Notifiable activity 'landfill')

Impacts

Work may be required on land immediately adjacent to this site for the establishment of an access road to facilitate access to the ventilation shaft work site. BCC records indicate that the landfill operations were administered by Council.

No direct construction activities or surface disturbance are proposed for this land parcel.

Mitigation measures

Although no excavation is planned to be undertaken on this land parcel, further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.2 Sites directly impacted by the Project – existing southern rail corridor, southern tunnel portal

- Lot 550 on plan SP117131 (Notifiable activity 'hazardous contaminant')

The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS.

Impacts

The tunnel portal of the proposed additional railway line skirts along Queensland Rail properties listed on the EMR, and will require some removal of material from the Queensland Rail corridor. The existing footbridge would also be extended over the widened railway lines, across to realigned Wilkie Street. In addition, the existing Yeerongpilly station would be reconfigured as part of the Project works.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.3 Sites directly impacted by the Project – existing southern rail corridor

- Lot 1 on plan RP37619; Lot 37 to 38 on plan SP211345 (Notifiable activity 'petroleum product or oil storage')

Impacts

The above properties fall within the proposed rail alignment. There are no current F/C licenses for any of the properties.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.4 Sites directly impacted by the Project – Yeerongpilly Transit Orientated Development

- Lot 566 on plan SP214202 (Notifiable activity 'coal fired power station/petroleum product or oil storage')

Impacts

Minor surface works would occur on the above property to reconstruct footpaths impacted as part of the pedestrian bridge works.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.5 Sites directly impacted by the Project – existing southern rail alignment

- Lots 70-74 on plan RP37616 (possible notifiable activity identified as 'wood treatment or preservation').

Impacts

The above properties fall within the proposed rail alignment.

Mitigation measures

Should the Project result in disturbance to soil at these properties, further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.6 Sites directly impacted by the Project – existing southern rail alignment

Lot 10 on plan SP155727 (Notifiable activity 'Petroleum product or oil storage').

Impacts

The above property falls within the proposed rail alignment.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.7 Sites directly impacted by the Project – existing southern rail corridor

- Lot 21 on plan SP117132 (Notifiable activity 'railway yards')

Impacts

The duplication of the surface rail track would impact on properties within the existing Queensland Rail corridor which are listed on the EMR as 'railway yards'. This would include the construction of an additional three track bridge structure over Moolabin Creek.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.8 Sites directly impacted by the Project – existing southern rail corridor, Clapham Rail Yard

- Lot 101 on plan SP105842; Lot 6 on plan RP94512; Lots 3-5 on plan RP94511; Lot 3 on plan RP107515 (Notifiable activity 'railway yards').
- Lot 2 on plan RP107515 (Notifiable activity 'petroleum product or oil storage; railway yards')

There are no current F/C licenses held for Lot 2 on plan RP107515.

Impacts

The duplication of the surface rail track would impact on the existing Clapham Rail Yard which are listed on the EMR. In addition, acquisition of surrounding properties is required to facilitate the reconfiguration.

A north-western portion of the Clapham Rail Yard has also been identified as a potential laydown area and construction site.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.9 Sites directly impacted by the Project – existing southern rail corridor, Moorooka and Rocklea Stations

- Lot 10 on plan SP122190; Lot 102 on plan SP105842 (Notifiable activity 'hazardous contaminant')

The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS.

Impacts

The duplication of the surface rail track and upgrades to Moorooka and Rocklea stations would impact on properties within the existing Queensland Rail corridor which are listed on the EMR. The duplication would also involve the construction of an additional three track bridge structure over Moolabin Creek and an additional two track bridge structure over Muriel Avenue.

Areas to the north and south of Rocklea Station have been identified as potential construction and laydown areas.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.10 Sites directly impacted by the Project – existing southern rail corridor

- Lot 12 on plan SP122191 (Notifiable activity 'landfill')

Impacts

The duplication of the surface rail track would impact on properties within the existing Queensland Rail corridor which are listed on the EMR. The existing Salisbury Station would be upgraded as part of the Project works.

A pedestrian bridge will be constructed to the north of the land parcel, spanning the existing rail lines at Salisbury Station.

Western portions of this property have been identified as potential construction laydown areas.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

Design of any works in the area would need to consider maintaining the integrity of any liners or capping systems containing refuse (if present). Where these systems need to be disturbed, the design would need to undertake mitigation measures to maintain their integrity.

4.4.11 Sites directly impacted by the Project – Salisbury Ipswich Motorway on-ramp reconfiguration

- Lot 907 on plan SP149004 (Notifiable Activities: 'railway yard; engine reconditioning works; service station').

The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS.

Impacts

The duplication of the surface rail track would require changes to the Ipswich Motorway on-ramp at Rocklea. The on-ramp would be realigned, including tunnelling under the existing Ipswich Motorway. Full property acquisition of these land parcels would be required.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.12 Sites directly impacted by the Project – Yeerongpilly construction yards

- Lot 1 on plan RP179869 (F/C license held)

The property is not currently listed on the EMR. The property currently holds an F/C license for the storage for less than 10,000 litres of above ground storage.

Impacts

The above property would be acquired as part of the southern construction yards.

Mitigation measures

No specific mitigation measures are required to be incorporated into the Project design at present. Refer to the draft outline EMP to identify and manage unanticipated contamination.

4.4.13 Sites directly impacted by the Project – Yeerongpilly construction yards

- Lot 1 on plan RP179845; Lot 1 on plan RP217835 (Notifiable activity 'petroleum product or oil storage')
- Lot 1 on plan RP115818 (Notifiable activities 'foundry operations; petroleum product or oil storage')

A review of the BCC F/C liquids license details indicates that there are no current F/C licenses held for the land parcels.

Impacts

Acquisition of these properties is proposed for use as a construction worksite. Excavation of soil from the land parcels is not anticipated.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.14 Sites directly impacted by the Project – Salisbury materials yards

- Lot 4 and 5 RP105182; Lot 1 and 2 on plan RP112751; Lot 10-14 on plan RP75020; Lot A on plan RP177953 (possible notifiable activity 'landfill; scrap yard')

The parcels have possibly previously contained a scrap yard or landfill, as based on the BCC 1965 Land Use Plan mapping.

Impacts

These land parcels have been identified as being partially impacted by a materials storage area.

Mitigation measures

Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project. Soil disposed off-site would require a DERM issued disposal permit.

4.4.15 Potentially contaminated sites adjacent to Project works

Table 4-2 lists potentially contaminated sites located adjacent to construction works located at surface.

Potentially contaminated sites considered to be of higher risk are those which are considered more likely to impact on the Project through the migration of contamination via groundwater and/or soil gas. These sites would be investigated further during the detailed design phase of the Project to confirm the need for mitigation measures.

Potentially contaminated sites considered to be of lower risk are those which are considered less likely to impact on the Project through the migration of contamination via groundwater and/or soil gas. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP prepared for the construction phase of the Project.

Table 4-2 Risk assessment of potentially impacted properties adjacent to the Project construction footprint

Lot and Plan	Description of adjacent the Project works	Risk of contaminant presence and proposed mitigation measures
Potentially contaminated land parcels outside the construction footprint with a higher risk to the Project		
Lots 41-43 on plan SP145686 Lot 17 on plan RP903101 Lot 490 on plan SL6858 Lot 18 on plan SP201216	Adjacent to Roma Street station development	Notifiable activity 'railway yards,' higher risk of land contamination. Further investigation is required to confirm the significance of contamination and mitigation requirements.
Lot 12 SP147396 Lot 13 SP168000	Close proximity to Roma Street station development	Notifiable activity - 'landfill,' higher risk of land contamination. A review of the BCC landfill records indicates that this property was not a municipal landfill. Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project.
Lot 61 on plan SP188566 Lot 60 on plan SP184385	Adjacent to Woolloongabba station development	Notifiable activity - 'railway yards,' higher risk of land contamination. Further investigation is required to confirm the significance of contamination and mitigation requirements.
Lot 5 on plan RP212124	Adjacent to the ventilation shaft	Notifiable activity - 'petroleum product or oil storage; engine reconditioning works' higher risk of land contamination. Further investigation would need to be undertaken to confirm the significance of contamination and mitigation requirements during the construction and operation phases of the Project.
Potentially contaminated land parcels outside the construction footprint with a lower risk to the Project		
Lot 1 on plan RP59681 Lot 2 on plan RP48402 Lot 55 on plan RP214173 Lot 23 on plan RP126884	Adjacent to track duplication works north of Mayne Rail Yard	The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS. Further investigation and mitigation has been proposed as part of the detailed design phase of works, refer to Section 4.1.1. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.

Lot and Plan	Description of adjacent the Project works	Risk of contaminant presence and proposed mitigation measures
Lot 13 on plan RP158918 Lot 14 on plan SP158920	Adjacent to works at Mayne Rail Yard	Notifiable activity - 'petroleum product or oil storage,' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.
Lot 74 on plan RP9371 Lot 75 on plan RP9371 Lot 2 on plan RP55530 Lots 1, 79 on plan RP89631 Lot 68 on plan RP54391 Lot 1 on plan RP152614	Adjacent to works at Mayne Rail Yard	Notifiable activity - 'scrap yards,' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.
Lot 88 on plan RP856195 Lots 1, 2 on plan RP91289 Lot 204 on plan RP46694	Adjacent to works at Mayne Rail Yard	The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS. Further investigation and mitigation has been proposed as part of the detailed design phase of works, refer to Section 4.1.1. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.
Lots 1, 2 on plan SP129361	Adjacent to works at north-eastern end of Mayne Rail Yard	Notifiable activity - 'railway yards,' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.
Lot 2 on plan RP183570	Adjacent track duplication works	Notifiable activity - 'printing,' lower risk of land contamination. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.
Lot 4 on plan RP9955	Adjacent track duplication works immediately south of Mayne Rail Yard	Notifiable activity - 'petroleum product or oil storage/engine reconditioning works' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.

Lot and Plan	Description of adjacent the Project works	Risk of contaminant presence and proposed mitigation measures
Lot 5 on plan SP123915	Adjacent to Exhibition Loop	The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS. Further investigation and mitigation has been proposed as part of the detailed design phase of works, refer to Section 4.1.1. Should unforeseen contamination from these properties be identified, contamination is to be managed in accordance with the conditions of the draft outline EMP.
Lots 13, 15 on plan RP11195	Adjacent to Woolloongabba Station development	Notifiable activity - 'petroleum product or oil storage,' or license for underground F/C storage, higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lots 1-2, 12, 14 on plan RP11195	Adjacent to Woolloongabba station development	Notifiable activity - 'wood treatment or preservation,' lower risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 195 on plan SP198200	Boggo Road rail junction	Notifiable activity - 'railway yards,' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 4 on plan SP164685	Adjacent to track duplication works for South Coast Line	Notifiable activity - 'coal fired power station, petroleum product or oil storage,' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.

Lot and Plan	Description of adjacent the Project works	Risk of contaminant presence and proposed mitigation measures
Lot 32 on plan SP12206 Lot 566 on plan SP214202	Tennyson rail junction	The notifiable activity of 'hazardous contaminants' for which this property is listed on the EMR indicates that contamination is present. The nature of the contamination has not been established within the scope of this EIS. Further investigation and mitigation has been proposed as part of the detailed design phase of works, refer to Section 4.1.1. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 17 to 23 on plan SP119393 Lot 1, 2 and 7 on plan SP119390	Part of South Coast line immediately south of existing Yeerongpilly Station on west side of existing rail line	Notifiable activity - 'railway yards,' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 1 on plan SL12723 Lot 6 on plan RP62968	Adjacent to Clapham Rail Yard redevelopment	UST containing <50,000 litre flammable/combustible liquid, higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 2 on plan RP151575	Adjacent to Clapham Rail Yard redevelopment	Notifiable activity - 'abrasive blasting; metal treatment or coating; petroleum product or oil storage,' higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 1 on plan RP183641	Adjacent to track duplication works for South Coast Line on east side of existing Rocklea rail station	Notifiable activity – 'paint manufacture or formulation,' lower risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.

Lot and Plan	Description of adjacent the Project works	Risk of contaminant presence and proposed mitigation measures
Lot 3 on plan RP175530	Adjacent to reconfiguration of Farlie Terrace	Notifiable activity – ‘abrasive blasting; petroleum product or oil storage’ higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 1 on plan RP170384 Lot 1 on plan RP70669 Lot 1 on plan SP203733 Lot 2 on plan RP112585 Lot 1 on plan SL7106 Lot 5 on plan RP178629	Adjacent to track duplication works for South Coast Line	Notifiable activity – ‘petroleum product or oil storage’ higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 5 on plan RP167929	Track duplication adjacent to Rocklea station	Potential notifiable activity - ‘wood treatment or preservation,’ lower risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 5 on plan RP167929	Adjacent to track duplication works for the South Coast Line	Potential notifiable activity – ‘wood treatment or preservation,’ higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 6 on plan RP129451	Adjacent to track duplication works and Salisbury station	Notifiable activity – ‘landfill,’ higher risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.
Lot 2 on plan RP810914 Lots 1-4 on plan RP83497	Adjacent to track duplication works for South Coast Line	Notifiable activity - ‘foundry operations,’ lower risk of land contamination. Should unforeseen contamination from these properties be identified, contamination would be managed in accordance with the requirements of the draft outline EMP.

4.5 Unforeseen contamination and prevention of contamination

Should land contamination be encountered or occur as a result of the construction of the Project, appropriate procedures and measures will be put in place for the notification, mitigation, investigation, remediation, and validation of the contaminated land. The procedures are documented in **Chapter 24 Draft Outline EMP**.

There is potential for land contamination to occur during construction and operation of the Project, for example from the accidental spillage of hazardous materials. These materials will be stored appropriately to minimise the risk of environmental impact. Chemical storage will comply with Australian Standards and Material Safety Data Sheets (MSDS) requirements. All such documentation would readily available to employees and contractors.

Smaller quantities of chemicals, fuels and oils would be stored in self-bunded pallets, within a bunded area in the workshop, or in a bunded container on the construction work site. Bulk quantities of diesel would also be kept in double skinned tanks (self-bunding) or within an appropriately bunded area.

Waste products, eg oil/water separator waste, sludges and residues, would be contained within weatherproofed, sealed and bunded areas to ensure stability of the waste containment receptacles and prevent any leakages or spills causing environmental harm to soils, surface water or groundwater. Regular inspections would be carried out of the tanks, bunds and storage areas to ensure integrity.

It should be noted that storage of hydrocarbons and/ or large quantities of chemicals associated with construction and operation of the Project may result in the site being listed on the EMR.

The following provides an outline of proposed mitigation measures to be undertaken during the construction of the Project:

- preparation of a Construction Occupational Health and Safety Plan (OH&S Plan) by the construction contractor which includes measures to manage exposure of construction workers to potential contaminants in soil and/or water; for example through the wearing of personal protective equipment and the control of dust during construction
- preparation of a contaminated land management procedure prior to the commencement of construction which includes
 - identification of the likely forms of contamination that could occur during the Project (fuels, oils, paints, etc)
 - procedures for appropriate storage of hazardous materials in compliance with relevant standards
 - the prevention of land contamination during construction
 - the identification, investigation and management of unforeseen contamination
 - spill response and remediation
 - listing properties on the EMR in accordance with the EP Act
 - the management, remediation and disposal of contaminated soil and/or spoil generated from properties listed on the EMR/CLR
 - post construction management and/or monitoring requirements
 - as required, approval and disposal permits will be obtained from DERM for the removal of contaminated soil in accordance with the EP Act.

4.6 Summary

A summary table of potentially contaminated sites potentially impacted by the Project and proposed mitigation measures is presented as **Table 4-3**. Definitions of each of the management plans, investigation reports and permits applicable to contaminated land management are included in **Section 2**.

Table 4-3 Summary of potentially contaminated sites within the Project construction footprint and higher risk adjacent land parcels and mitigation measures.

Impact	Mitigation	Project Phase of Likely Impact	Likelihood	Timing of Action	Likely management plans, investigation reports and permits
Surface works within the existing rail corridor					
<p>Surface works within the rail corridor would occur on the following potentially contaminated sites:</p> <p>Lot 22 on plan SP122245 Lot 2 on plan SP158926 Lot 1 on plan RP892797 Lot 34 on plan SP158925 Lot 455 on plan SL3473 Lot 11 on plan RP156029 Lot 454 on plan SP122217 Lot 3 on plan RP113229 Lot 474 on plan SL12086 Lot 21 on plan SP117132 Lots 101-102 on plan SP105842 Lot 10 on plan SP122190 Lot 107 on plan SP122201 Lot 51 on plan SP122192 Lot 2 on plan RP42836 Lot 481 on plan SP196765 Lot 3 on plan SP190738 Lots 496, 691 on plan SL12309 Lot 10 on plan SP155727</p>	<p>Further investigation is required to confirm the significance of contamination and mitigation requirements.</p> <p>There is a potential that construction may impact on the current remediation of known groundwater contamination at the Mayne Rail Yard. Construction activities may require reconfiguration of the existing groundwater remediation systems present at the Mayne Rail Yard. Further investigation may be required into the positioning of construction works to ensure that impacts to the existing remediation system are minimised.</p>	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit

Impact	Mitigation	Project Phase of Likely Impact	Likelihood	Timing of Action	Likely management plans, investigation reports and permits
Surface works adjacent to the existing rail corridor					
Surface works on land parcels outside the rail corridor to support the Project would occur on the following potentially contaminated sites: Lot 13 on plan SP158918 Lot 3-5 on plan RP94511 Lots 2 and 3 on plan RP107515 Lot 6 on plan RP94512 Lot 1 on plan RP37619 Lot 37- 38 on plan SP211345 Lots 70-74 on plan RP37616 Lot 566 on plan SP214202 Lot 420-421 on plan SP116165 Lot 14 on plan SP158920 Lot 2 on plan SP144596 Lot 702 on plan SP183568	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
Northern tunnel portal					
The development of the northern tunnel portal may occur on the following potentially contaminated sites: Lot 32 on plan SP172136 Lot 34 on plan SP172136/Lot 32 on plan SP122215	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
Roma Street Station					
The construction and operation of the Roma Street Underground Station may be impacted by the following potentially contaminated sites: Lot 1 on plan SP207220 Lot 35 on plan SP207219 Lot 60 on plan SP207215 Lot 37 on plan SP169852 Portions of Lot 60 on plan SP207215 have also been identified as a potential satellite construction worksite.	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	SAP PSI DSI RAP SMP Disposal Permit

Impact	Mitigation	Project Phase of Likely Impact	Likelihood	Timing of Action	Likely management plans, investigation reports and permits
The construction and operation of the Roma Street station may be impacted by the following potentially contaminated sites outside the Project construction footprint: Lots 41-43 on plan SP145686 Lot 17 on plan RP903101 Lot 490 on plan SL6858 Lot 18 on plan SP201216	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
The construction and operation of the Roma Street station may be impacted by potentially by the following potentially contaminated sites outside the Project construction footprint: Lot 12 on plan SP147396 Lot 13 on plan SP168000	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
Albert Street Station					
The construction and operation of the Albert Street Station may be impacted by the following potentially contaminated sites: Lot 1 on plan RP110657 Lots 1- 3 on plan RP1068 Lot 2 on plan RP111828 Lot 22-23, 36-37 on plan B118243	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
Gabba Station					
The construction and operation of the Gabba station may be impacted by the following potentially contaminated sites: Lot 63 on plan SP184386 Lot 1291 on plan CP899829 Lot 1292 on plan CP899830	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
The construction and operation of the Gabba station may be impacted by the following potentially contaminated sites outside the Project construction footprint: Lot 61 on plan SP188566 Lot 60 on0 plan SP184385	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit

Impact	Mitigation	Project Phase of Likely Impact	Likelihood	Timing of Action	Likely management plans, investigation reports and permits
Southern laydown area					
The following land parcel is proposed to be used as a temporary laydown area to support construction: Lot 1 on plan RP230277 No construction activities or surface disturbance are proposed for this land parcel.	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP
The construction and operation of the ventilation shaft may be impacted by the following potentially contaminated sites outside the Project construction footprint: Lot 5 on plan RP212124	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
Southern tunnel portal					
The duplication of the surface rail track would impact on properties within the existing Queensland Rail corridor and the development of the Southern tunnel portal may occur on the following potentially contaminated sites: Lot 550 on plan SP117131	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
Ipswich Motorway onramp reconfiguration at Rocklea					
The duplication of the surface rail track would require changes to the Ipswich Motorway onramp at Rocklea, and would require disturbance of the following potentially contaminated sites: Lot 907 on plan SP149004	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP Disposal Permit
Surface works and footbridge at Salisbury					
Surface works within the existing rail corridor and the construction of a pedestrian bridge would impact on this potentially contaminated site: Lot 12 on plan SP122191 Western portions of this property have been identified as potential laydown and construction areas.	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed Design Phase	PSI DSI RAP SMP Disposal Permit

Impact	Mitigation	Project Phase of Likely Impact	Likelihood	Timing of Action	Likely management plans, investigation reports and permits
Yeerongpilly construction laydown areas					
The following potentially contaminated sites are proposed to be acquired for use as a construction worksite: Lot 1 on plan RP115818 Lot 1 on plan RP179845 Lot 1 on plan RP217835 Excavation of soil from the land parcel is not anticipated.	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP
The following potentially contaminated site is proposed to be acquired for use as a construction worksite: Lot 1 on plan RP179869 Excavation of soil from the land parcel is not anticipated.	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP
Salisbury material storage area					
The following potentially contaminated sites are proposed to be acquired for use as a material storage area and for access road construction: Excavation of soil from the land parcels is not anticipated. Lots 4-5 on plan RP105182 Lot 1-2 on plan RP112751 Lot 10-14 on plan RP75020 Lot A on plan RP177953	Further investigation is required to confirm the significance of contamination and mitigation requirements.	Construction and/or operation	High	Detailed design phase	PSI DSI RAP SMP

4.7 Conclusion

A total of 2,972 land parcels in the study area were listed on the EMR.

Of these, within the study corridor:

- 432 land parcels were identified with notifiable activities which are considered to be of higher risk
- 74 land parcels were identified with notifiable activities which are considered to be of lower risk
- 14 land parcels are managed under a SMP.

A total of 108 additional properties were identified which were not listed on the EMR but may potentially contain contamination within the study corridor. Of these:

- 46 land parcels were identified with notifiable activities which are considered to be of higher risk
- 62 land parcels were identified with notifiable activities which are considered to be of lower risk.

There is a potential that the Project may have the following impacts:

- disturbance of potentially contaminated soils
- disturbance of unexpected contamination
- disturbance/migration of potential groundwater contamination
- contamination sourced from potentially contaminated sites adjacent to Project works
- soil gas accumulation in subsurface structures
- disturbance of asbestos containing materials.

A total of 74 land parcels have been identified within the Project construction footprint and on adjacent land parcels as containing potential soil and/or groundwater contamination. These would require further investigation as part of the Project works.

Depending on the outcomes of each investigation, appropriate management measures may be adopted. Management measures may potentially include strategies such as offsite soil disposal, onsite management, ongoing monitoring or remediation. Appropriate planning documentation, including a contaminated land management procedure and a Construction OH&S Plan would also be prepared and incorporated into the draft outline EMP (refer to **Chapter 24 Draft Outline EMP**).

5 References

Australian and New Zealand Environment and Conservation Council (ANZECC)/National Health and Medical Research Council (NHMRC) (2000) Guidelines for the Assessment and Management of Contaminated Sites.

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Department of Environment and Heritage (1998) Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland.

Environmental Protection Act 1994.

GeoEnvironmental Consultants (January 2010). Annual Report, Groundwater Monitoring – January 2010, Mayne Rail Yards, Bowen Hills, Queensland (Ref 5019/29).

GeoEnvironmental Consultants (May 2010). Brief Summary Report Groundwater Monitoring – April 2010, Mayne Rail Yards, Bowen Hills, Queensland (Ref 5019/29).

National Environment Protection Council (1999) National Environment Protection (Assessment of Site Contamination) Measure 1999.

SKM & Connell Wagner (2004) North-South Bypass Tunnel EIS – Report on Existing Environment – Land Contamination.

SKM & Connell Wagner (2006) Airport Link EIS - Phase 2 Detailed Feasibility Study, Technical Paper Number 3- Contaminated Land.

SKM & Connell Wagner (2008) Northern Link EIS - Technical Report Number 3 – Contaminated Land.

Standards Australia (1997) Australian Standard AS4482.1-1997: Guide to the sampling and investigation of potentially contaminated soil Part 1:Non-volatile and semi-volatile compounds.

Standards Australia (1997) Australian Standard AS1940: Storage and Handling of Flammable and Combustible Liquids.

Standards Australia (1997) Australian Standard AS3780: The Storage and Handling of Corrosive Substances.

Appendix A EMR records

Lot number(s)	Plan number	Notifiable activity	Risk
6	SP125495	Abrasive blasting	Low
4	RP83778	Abrasive blasting	Low
2	RP151575	Abrasive blasting *** metal treatment or coating *** petroleum product or oil storage	High
1	RP127391	Abrasive blasting *** metal treatment or coating *** petroleum product or oil storage	High
2	RP11928	Abrasive blasting *** metal treatment or coating *** petroleum product or oil storage	High
1-8; 10-13; 15-18; 20-36, 402; 9999	SP179840	Abrasive blasting/petroleum product or oil storage	High
14	SP213432	Abrasive blasting/petroleum product or oil storage	High
3	RP175530	Abrasive blasting/petroleum product or oil storage	High
2	RP56087	Asbestos manufacture or disposal	Low
4	RP807571	Battery manufacture or recycling	Low
1	RP818264	Chemical manufacture or formulation	Low
2	SP195219	Chemical manufacture or formulation	Low
69	RP143065	Chemical manufacture or formulation	Low
2	RP62500	Chemical manufacture or formulation	Low
2	RP210504	Chemical manufacture or formulation	Low
1	RP809894	Chemical manufacture or formulation	Low
11; 12	RP887510	Chemical manufacture or formulation	Low
3	RP818264	Chemical manufacture or formulation	Low
1	SP195219	Chemical manufacture or formulation	Low
1-9, 9999	BUP10462	Chemical storage	Low
10	RP209572	Chemical storage	Low
2	RP224551	Chemical storage	Low
3-21;	GTP100234	Chemical storage	Low
22-43	GTP100834	Chemical storage	Low
9999	GTP3638	Chemical storage	Low
13	RP131288	Chemical storage	Low
37	RP122862	Chemical storage	Low
17	RP118146	Chemical storage	Low
13	GTP102411	Chemical storage	Low
15	GTP105640	Chemical storage	Low
4	RP231662	Chemical storage	Low
1	RP128787	Chemical storage	Low
10	CP852720	Chemical storage	Low
955	SL11157	Chemical storage *** metal treatment or coating	Low
1074	RP226700	Chemical storage *** metal treatment or coating	Low
6	RP142796	Chemical storage/petroleum product or oil storage	High
3	SP130727	Chemical storage *** service stations	High
2	RP137861	Chemical storage *** tannery; fellmongery or hide curing	Low
6, 1303	SP195300	Chemical storage/petroleum product or oil storage	High
1	RP53157	Coal fired power station	High
101	SP102967	Coal fired power station	High
2; 3; 4	SP164685	Coal fired power station/petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
7; 9	SP214201	Coal fired power station/petroleum product or oil storage	High
566	SP214202	Coal fired power station/petroleum product or oil storage	High
91, 92	RP154503	Coal gas works	High
2	SP214131	Coal gas works	High
5; 6	SP229899	Coal gas works	High
1	RP98701	Coal gas works *** petroleum product or oil storage	High
2	RP141824	Coal gas works *** petroleum product or oil storage	High
2; 3	SP229899	Coal gas works /petroleum product or oil storage/railway yards	High
95; 97; 98	SP229911	Coal gas works /petroleum product or oil storage/railway yards	High
1	SP174871	Drum reconditioning or recycling	Low
2	RP217957	Drum reconditioning or recycling *** petroleum product or oil storage	Low
49	RP33644	Dry cleaning	Low
1	RP165998	Dry cleaning	Low
2	RP47475	Dry cleaning	Low
1	RP89855	Dry cleaning	Low
19	RP8945	Dry cleaning	Low
1	RP8942	Dry cleaning	Low
3	RP8921	Dry cleaning	Low
2	RP99602	Dry cleaning	Low
2	RP99091	Dry cleaning	Low
943	SL7485	Dry cleaning	Low
1-11; 9999	SP171219	Dry cleaning	Low
1	RP891412	Dry cleaning	Low
2	SP140708	Dry cleaning/battery manufacture or recycling /metal treatment or coating/service stations	High
1-4	RP83497	Foundry operations	Low
3; 4; 30	RP37692	Foundry operations	Low
30	RP174977	Foundry operations	Low
30	RP12574	Foundry operations	Low
2	RP810914	Foundry operations	Low
795	SL5461	Foundry operations	Low
804	SL4698	Foundry operations	Low
13, 14	B31263	Foundry operations	Low
695	SL8440	Foundry operations	Low
4	SP113412	Foundry operations	Low
1-6; 9999	BUP106744	Foundry operations	Low
1	RP115818	Foundry operations *** petroleum product or oil storage	Low
25-29	RP37692	Foundry operations *** scrap yards	Low
6	RP146739	Foundry operations *** scrap yards	Low
4	RP69713	Foundry operations *** scrap yards	Low
20	SP164430	Foundry operations *** scrap yards	Low
1	SP150759	Foundry operations/service stations	High
24	RP813319	Gun; pistol or rifle range	Low
58; 59	SP122233	Hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
21	SP122230	Hazardous contaminant	High
58	SP122535	Hazardous contaminant	High
15	SP122221	Hazardous contaminant	High
231	SP117125	Hazardous contaminant	High
223	SL5130	Hazardous contaminant	High
411	RP890875	Hazardous contaminant	High
17	RP209565	Hazardous contaminant	High
2	RP44397	Hazardous contaminant	High
23	SP122212	Hazardous contaminant	High
313	SL5664	Hazardous contaminant	High
4	SP128032	Hazardous contaminant	High
454	SP122217	Hazardous contaminant	High
11	SP156029	Hazardous contaminant	High
21	SP122213	Hazardous contaminant	High
23	CP827248	Hazardous contaminant	High
32	SP122232	Hazardous contaminant	High
55	SP129998	Hazardous contaminant	High
23	SP122209	Hazardous contaminant	High
51	SP122305	Hazardous contaminant	High
451	SP122304	Hazardous contaminant	High
15	SP128060	Hazardous contaminant	High
22	SP122208	Hazardous contaminant	High
51	SP122226	Hazardous contaminant	High
29	SP126843	Hazardous contaminant	High
31	SP122222	Hazardous contaminant	High
32	SP122223	Hazardous contaminant	High
11	SP122228	Hazardous contaminant	High
12	SP122229	Hazardous contaminant	High
71	SP122224	Hazardous contaminant	High
50	SP122536	Hazardous contaminant	High
72	SP122225	Hazardous contaminant	High
70	SP122450	Hazardous contaminant	High
13	SP122231	Hazardous contaminant	High
550	SL1551	Hazardous contaminant	High
544	SL1514	Hazardous contaminant	High
100	SP116284	Hazardous contaminant	High
1	SP206759	Hazardous contaminant	High
1	SP231749	Hazardous contaminant	High
3; 4	SP172658	Hazardous contaminant	High
2; 23	SP158924	Hazardous contaminant	High
31	SP122214	Hazardous contaminant	High
105, 106	SP155739	Hazardous contaminant	High
1; 2	SP172144	Hazardous contaminant	High
247	RP892591	Hazardous contaminant	High
88	RP856195	Hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
1; 2; 5; 6	RP18344	Hazardous contaminant	High
100	SP137764	Hazardous contaminant	High
66	RP9348	Hazardous contaminant	High
9999; 1-7	SP208971	Hazardous contaminant	High
1-22; 9999	SP156957	Hazardous contaminant	High
41	SP173430	Hazardous contaminant	High
42-44	SP173423	Hazardous contaminant	High
204	RP46694	Hazardous contaminant	High
1; 2	RP91289	Hazardous contaminant	High
51	SP122218	Hazardous contaminant	High
2	RP48402	Hazardous contaminant	High
134	RP19036	Hazardous contaminant	High
1	RP59681	Hazardous contaminant	High
23	SP126844	Hazardous contaminant	High
22	SP122245	Hazardous contaminant	High
55; 103	SP214173	Hazardous contaminant	High
14	SP122220	Hazardous contaminant	High
29	RP18712	Hazardous contaminant	High
1	RP71876	Hazardous contaminant	High
39	SP129989	Hazardous contaminant	High
1; 2; 4; 5; 8-11; 16; 17; 20-23; 28; 29; 32; 33; 36; 37	SP179450	Hazardous contaminant	High
27	SP129988	Hazardous contaminant	High
26	SP129987	Hazardous contaminant	High
101	SP129986	Hazardous contaminant	High
1042	SL9242	Hazardous contaminant	High
81	SP122195	Hazardous contaminant	High
340	SP117128	Hazardous contaminant	High
450	SP117130	Hazardous contaminant	High
440	SP117129	Hazardous contaminant	High
382	SL6788	Hazardous contaminant	High
550	SP117131	Hazardous contaminant	High
32	SP122206	Hazardous contaminant	High
4	RP42444	Hazardous contaminant	High
1	RP37927	Hazardous contaminant	High
10	SP122190	Hazardous contaminant	High
102	SP105842	Hazardous contaminant	High
2	RP37367	Hazardous contaminant	High
1	RP107942	Hazardous contaminant	High
8	SP129452	Hazardous contaminant	High
58	RP166692	Hazardous contaminant	High
35; 36	B123422	Hazardous contaminant	High
3; 4	RP109984	Hazardous contaminant	High
1	RP124155	Hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
10	RP185905	Hazardous contaminant	High
22	RP183632	Hazardous contaminant	High
100	RP213606	Hazardous contaminant	High
101	RP810101	Hazardous contaminant	High
19; 21	RP209565	Hazardous contaminant	High
24	SP119273	Hazardous contaminant	High
1; 2	RP12015	Hazardous contaminant	High
1-4	SP195249	Hazardous contaminant	High
2; 3	RP12298	Hazardous contaminant	High
15; 16	SP119265	Hazardous contaminant	High
2	RP806356	Hazardous contaminant	High
17	SP119267	Hazardous contaminant	High
18	SP119268	Hazardous contaminant	High
19; 20	SP119269	Hazardous contaminant	High
51	SP125487	Hazardous contaminant	High
64	CP868661	Hazardous contaminant	High
3	RP12693	Hazardous contaminant	High
2	RP12692	Hazardous contaminant	High
21	SP119270	Hazardous contaminant	High
12	RP12690	Hazardous contaminant	High
1	RP8879	Hazardous contaminant	High
1	RP69973	Hazardous contaminant	High
9999; 1-44	SP154405	Hazardous contaminant	High
15	RP9287	Hazardous contaminant	High
40	RP142283	Hazardous contaminant	High
1	RP173133	Hazardous contaminant	High
20	RP839023	Hazardous contaminant	High
131; 132; 134	RP9287	Hazardous contaminant	High
1	RP120262	Hazardous contaminant	High
2	RP125694	Hazardous contaminant	High
87-91	RP9292	Hazardous contaminant	High
1	RP113080	Hazardous contaminant	High
1-21, 9999	SP179259	Hazardous contaminant	High
9999; 101-110; 301-320; 601-615	SP166476	Hazardous contaminant	High
1-21; 9999	SP189082	Hazardous contaminant	High
9999; 1-12	SP151173	Hazardous contaminant	High
1	RP9150	Hazardous contaminant	High
901	SP194796	Hazardous contaminant	High
1-39; 9999	SP138328	Hazardous contaminant	High
23	SP119272	Hazardous contaminant	High
44	SP122771	Hazardous contaminant	High
22	SP119271	Hazardous contaminant	High
11	SP128519	Hazardous contaminant	High
3	RP113229	Hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
101	SP156029	Hazardous contaminant	High
15; 16	SP158921	Hazardous contaminant	High
1	SP141562	Hazardous contaminant	High
43	CP827250	Hazardous contaminant	High
53; 55; 56	RP80002	Hazardous contaminant	High
2	RP155360	Hazardous contaminant	High
34	RP18497	Hazardous contaminant	High
11	SP125076	Hazardous contaminant	High
1; 2	RP92589	Hazardous contaminant	High
431	SL2529	Hazardous contaminant	High
2	RP158827	Hazardous contaminant	High
21	CP827249	Hazardous contaminant	High
59	CP827251	Hazardous contaminant	High
4-10	RP20320	Hazardous contaminant	High
7	RP61694	Hazardous contaminant	High
5	RP59498	Hazardous contaminant	High
2	RP802636	Hazardous contaminant	High
33	RP26005	Hazardous contaminant	High
45	RP37329	Hazardous contaminant	High
2	RP185695	Hazardous contaminant	High
2; 5; 8; 11	RP42839	Hazardous contaminant	High
2; 4	RP42087	Hazardous contaminant	High
106	SL1027	Hazardous contaminant	High
2; 5; 8; 10; 11	RP42088	Hazardous contaminant	High
103	SP122202	Hazardous contaminant	High
2	RP42836	Hazardous contaminant	High
51	SP122192	Hazardous contaminant	High
107	SP122201	Hazardous contaminant	High
2	RP88740	Hazardous contaminant	High
2	RP38047	Hazardous contaminant	High
61	SP122193	Hazardous contaminant	High
2	SP122457	Hazardous contaminant	High
21-24	RP37444	Hazardous contaminant	High
2; 8	RP42840	Hazardous contaminant	High
111	SL1027	Hazardous contaminant	High
2; 4	RP42170	Hazardous contaminant	High
112	SL1027	Hazardous contaminant	High
2; 4	RP43705	Hazardous contaminant	High
5; 6	RP42840	Hazardous contaminant	High
2	RP128825	Hazardous contaminant	High
10	RP118123	Hazardous contaminant	High
1	RP162481	Hazardous contaminant	High
2	RP131438	Hazardous contaminant	High
888-890	SL6671	Hazardous contaminant	High
7	RP862959	Hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
63	SP195490	Hazardous contaminant	High
9	SP129453	Hazardous contaminant	High
64; 65	SP195490	Hazardous contaminant	High
3	RP131438	Hazardous contaminant	High
4	RP812779	Hazardous contaminant	High
5	SP194544	Hazardous contaminant	High
91	RP40764	Hazardous contaminant	High
99	SP157449	Hazardous contaminant	High
31; 33; 34	RP12286	Hazardous contaminant	High
16; 18	RP12289	Hazardous contaminant	High
195	SP198200	Hazardous contaminant	High
420; 421	SP116165	Hazardous contaminant	High
194	SP198201	Hazardous contaminant	High
30	SP117123	Hazardous contaminant	High
230	SP117124	Hazardous contaminant	High
9	SL807632	Hazardous contaminant	High
5	SP102571	Hazardous contaminant	High
44; 125	SP150319	Hazardous contaminant	High
3; 118	SP150312	Hazardous contaminant	High
1; 2	SP213601	Hazardous contaminant	High
5	RP1418	Hazardous contaminant	High
144	SP150338	Hazardous contaminant	High
143	SP150337	Hazardous contaminant	High
142	SP150336	Hazardous contaminant	High
141	SP150335	Hazardous contaminant	High
1; 241	SP157139	Hazardous contaminant	High
5; 243	SP157141	Hazardous contaminant	High
11; 244	SP157142	Hazardous contaminant	High
3; 242	SP157140	Hazardous contaminant	High
20	SP138476	Hazardous contaminant	High
21; 22	SP138477	Hazardous contaminant	High
109; 110	SP141922	Hazardous contaminant	High
236	SL1009	Hazardous contaminant	High
41	RP904552	Hazardous contaminant	High
43	SP161089	Hazardous contaminant	High
1	RP142701	Hazardous contaminant	High
22; 23	SP157087	Hazardous contaminant	High
5	RP846619	Hazardous contaminant	High
11	SP129983	Hazardous contaminant	High
10	SP135195	Hazardous contaminant	High
3	RP73488	Hazardous contaminant	High
2	RP94723	Hazardous contaminant	High
7-11; 33- 35; 41; 45; 49; 52-65	SP156530	Hazardous contaminant	High
153	B3137	Hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
52-54;	SP117122	Hazardous contaminant	High
31	SP117120	Hazardous contaminant	High
41	SP117121	Hazardous contaminant	High
2	RP96245	Hazardous contaminant	High
1	RP60900	Hazardous contaminant	High
1	RP175247	Hazardous contaminant	High
2	RP219864	Hazardous contaminant	High
21	SP129984	Hazardous contaminant	High
5-9	SP113413	Hazardous contaminant	High
12	SP135186	Hazardous contaminant	High
25	SP129985	Hazardous contaminant	High
484	SL4553	Hazardous contaminant	High
485	SP192466	Hazardous contaminant	High
487	SP196776	Hazardous contaminant	High
1	RP59251	Hazardous contaminant	High
34	RP9694	Hazardous contaminant	High
11; 12	RP9717	Hazardous contaminant	High
33	RP9712	Hazardous contaminant	High
2	RP9711	Hazardous contaminant	High
17	B31671	Hazardous contaminant	High
3-5	RP42010	Hazardous contaminant	High
1; 3	SP190810	Hazardous contaminant	High
252	SL1589	Hazardous contaminant	High
2	RP59612	Hazardous contaminant	High
1	RP10753	Hazardous contaminant	High
1; 2	RP41899	Hazardous contaminant	High
2	RP47266	Hazardous contaminant	High
250; 253	SL1413	Hazardous contaminant	High
6	RP52453	Hazardous contaminant	High
256-262; 834-840	SP192733	Hazardous contaminant	High
2	RP53161	Hazardous contaminant	High
4	RP52454	Hazardous contaminant	High
4	RP52451	Hazardous contaminant	High
4	RP10798	Hazardous contaminant	High
7	RP51550	Hazardous contaminant	High
1; 2	RP52455	Hazardous contaminant	High
102	SP144638	Hazardous contaminant	High
101; 103	SP144639	Hazardous contaminant	High
824; 825; 6; 7	SP192735	Hazardous contaminant	High
2	RP98491	Hazardous contaminant	High
481	SP196765	Hazardous contaminant	High
452; 455; 456	SL3473	Hazardous contaminant	High
474	SL12086	Hazardous contaminant	High
5	SP123915	Hazardous contaminant	High
1	SP179251	Hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
22	SP129984	Landfill/hazardous contaminant	High
4	SP211311	Hazardous contaminant/printing	High
4	B32002	Herbicide or pesticide manufacture	High
1; 2	SP128763	Landfill	High
1	RP856377	Landfill	High
1	SP133237	Landfill	High
3	SP143554	Landfill	High
4	SP163909	Landfill	High
1	RP19518	Landfill	High
2	RP165926	Landfill	High
110	SL5464	Landfill	High
1	RP165923	Landfill	High
409	SP172161	Landfill	High
600	SP198679	Landfill	High
98	SP220100	Landfill	High
1182	SL9293	Landfill	High
400	SL8424	Landfill	High
2	RP209359	Landfill	High
2	RP149808	Landfill	High
4	RP109833	Landfill	High
638	SP102972	Landfill	High
23	RP843976	Landfill	High
4	SP122801	Landfill	High
9999	SP206768	Landfill	High
12-28	SP206774	Landfill	High
9999; 101-128	SP206777	Landfill	High
33	SL4794	Landfill	High
36	SL5077	Landfill	High
112	RP69740	Landfill	High
406	RP41767	Landfill	High
29-35	RP25132	Landfill	High
33-43; 45-50; 53; 54	RP34017	Landfill	High
35	RP80407	Landfill	High
8; 9	SP110564	Landfill	High
50	SP124003	Landfill	High
1160	SP108456	Landfill	High
902	SP101178	Landfill	High
27; 26; 25	RP33557	Landfill	High
564	SL4946	Landfill	High
18-23	RP12581	Landfill	High
36-55	RP12579	Landfill	High
70-81	RP12577	Landfill	High
18-28; 34; 35	RP12579	Landfill	High
96-99; 108-112	RP12615	Landfill	High
9; 10; 140; 18-24	RP33557	Landfill	High

Lot number(s)	Plan number	Notifiable activity	Risk
1; 2	RP33562	Landfill	High
1	RP33563	Landfill	High
2; 3; 4	RP33564	Landfill	High
262-266	RP20201	Landfill	High
1173	SL7552	Landfill	High
11	RP53661	Landfill	High
228-243	RP23306	Landfill	High
2	RP89283	Landfill	High
59; 63; 65; 68	RP18863	Landfill	High
1	RP91834	Landfill	High
21	RP100093	Landfill	High
2; 60	SP190118	Landfill	High
1259	SL11529	Landfill	High
449-461	RP12942	Landfill	High
401-405	RP37417	Landfill	High
1	RP63996	Landfill	High
393-396; 383-392	RP37417	Landfill	High
442-448	RP12942	Landfill	High
824	SL5760	Landfill	High
394-407	RP12933	Landfill	High
241	RP12918	Landfill	High
7	RP149940	Landfill	High
11	SP115672	Landfill	High
114; 115	SP150301	Landfill	High
105-108	SP150299	Landfill	High
100	SP150295	Landfill	High
101; 102	SP150296	Landfill	High
16	SP115673	Landfill	High
1-5	RP40800	Landfill	High
2	RP85137	Landfill	High
15-18	RP37244	Landfill	High
6	RP37207	Landfill	High
1-3	RP903273	Landfill	High
664; 665	SL2496	Landfill	High
496	S312116	Landfill	High
1, 2	RP806359	Landfill	High
1	RP230277	Landfill	High
38-41	RP37819	Landfill	High
20-22; 29-31	RP37818	Landfill	High
32	SL5453	Landfill	High
1-5; 44-58; 119	RP37192	Landfill	High
2	RP41240	Landfill	High
112	RP59568	Landfill	High
113-125	RP37247	Landfill	High
126	RP43084	Landfill	High

Lot number(s)	Plan number	Notifiable activity	Risk
54	RP37778	Landfill	High
506	SL4101	Landfill	High
14; 15	SP115673	Landfill	High
327-348	RP37433	Landfill	High
313	RP40378	Landfill	High
2-9	RP47640	Landfill	High
1	CP818278	Landfill	High
1; 2	RP886522	Landfill	High
21	RP67436	Landfill	High
1	RP121083	Landfill	High
2	RP131699	Landfill	High
1	RP69668	Landfill	High
1	RP95796	Landfill	High
22	RP813853	Landfill	High
93	RP37194	Landfill	High
2	RP146853	Landfill	High
4	RP146852	Landfill	High
1; 6	SP163313	Landfill	High
12	SP147396	Landfill	High
13	SP168000	Landfill	High
1	RP67151	Landfill	High
37	B118246	Landfill	High
1	RP1274	Landfill	High
2; 3; 4; 5	RP1272	Landfill	High
24	B118246	Landfill	High
21	RP79854	Landfill	High
1	RP64059	Landfill	High
3	RP64059	Landfill	High
1	RP1271	Landfill	High
1	RP1272	Landfill	High
2	SL810821	Landfill	High
5; 622	SP231895	Landfill	High
17	RP79663	Landfill	High
23	RP101182	Landfill	High
19-22; 42-50	RP13352	Landfill	High
1	CP882322	Landfill	High
1	CP852759	Landfill	High
3	CP868002	Landfill	High
105-110; 70-75	RP13352	Landfill	High
1-9	RP108123	Landfill	High
482	SL10113	Landfill	High
4	RP133760	Landfill	High
453	SL1946	Landfill	High
206; 300	RP12678	Landfill	High
302-306	RP12682	Landfill	High

Lot number(s)	Plan number	Notifiable activity	Risk
2	RP12680	Landfill	High
734	SL12761	Landfill	High
100; 102; 103; 106	SP142511	Landfill	High
9	RP52058	Landfill	High
13	RP9287	Landfill	High
12	RP9287	Landfill	High
2	RP52058	Landfill	High
1; 2; 3	SP139861	Landfill	High
73-105; 261-268; 283-285; 333; 337-353	RP12500	Landfill	High
1	RP87469	Landfill	High
356-366	RP12499	Landfill	High
286; 287; 288	RP12501	Landfill	High
1	RP80258	Landfill	High
401; 402; 431-451	RP12678	Landfill	High
1	RP87470	Landfill	High
438	SL3062	Landfill	High
560	SL4975	Landfill	High
376; 377	SP115291	Landfill	High
2	SP171342	Landfill	High
48-55	RP20529	Landfill	High
1196	SL8483	Landfill	High
54	RP20070	Landfill	High
7	RP72098	Landfill	High
2	RP114914	Landfill	High
20, 21	RP56334	Landfill	High
3	RP58285	Landfill	High
73	RP18482	Landfill	High
532-557	RP18524	Landfill	High
989	SL3468	Landfill	High
436	SP135355	Landfill	High
437	SP135374	Landfill	High
2	RP66835	Landfill	High
6; 7; 8	SP163909	Landfill	High
434	SP135389	Landfill	High
3	RP71388	Landfill	High
29	RP64390	Landfill	High
10-14	RP71388	Landfill	High
147	RP83323	Landfill	High
4	RP56044	Landfill	High
149	RP83325	Landfill	High
3-5	RP123172	Landfill	High
48-57; 127-138; 146-152; 155-158	RP26005	Landfill	High
1	RP56537	Landfill	High

Lot number(s)	Plan number	Notifiable activity	Risk
93	RP56326	Landfill	High
1; 2	RP69590	Landfill	High
34	RP17303	Landfill	High
1	RP90610	Landfill	High
7	RP37860	Landfill	High
1	SL2069	Landfill	High
12	SP122191	Landfill	High
6	SP129451	Landfill	High
1033	SL8077	Landfill	High
68	RP73735	Landfill	High
4	RP169745	Landfill	High
627	SL11586	Landfill	High
367	SL5786	Landfill	High
1	RP129582	Landfill	High
1; 2	SP137545	Landfill	High
21-25; 27-32	RP23316	Landfill	High
1	RP129611	Landfill	High
238	SL9045	Landfill	High
38	RP12123	Landfill	High
40	SL7930	Landfill	High
39	RP12123	Landfill	High
23	SP150320	Landfill	High
21	SP150321	Landfill	High
19	SP150322	Landfill	High
17	SP150323	Landfill	High
15	SP150324	Landfill	High
13	SP150325	Landfill	High
11	SP150326	Landfill	High
9	SP150327	Landfill	High
7	SP150328	Landfill	High
5	SP150329	Landfill	High
3	SP150330	Landfill	High
1	SP150331	Landfill	High
126	SP150320	Landfill	High
127	SP150321	Landfill	High
128	SP150322	Landfill	High
129	SP150323	Landfill	High
130	SP150324	Landfill	High
131	SP150325	Landfill	High
132	SP150326	Landfill	High
133	SP150327	Landfill	High
134	SP150328	Landfill	High
135	SP150329	Landfill	High
136	SP150330	Landfill	High
137	SP150331	Landfill	High

Lot number(s)	Plan number	Notifiable activity	Risk
581	RP227070	Landfill	High
354	RP898660	Landfill	High
356; 357	SP161706	Landfill	High
556	SP133445	Landfill	High
21; 22	B118220	Landfill	High
3; 5	RP69951	Landfill	High
2	RP58871	Landfill/hazardous contaminant	High
22-25; 60-62; 64; 66; 67	RP18863	Landfill/hazardous contaminant	High
3	RP100093	Landfill/hazardous contaminant	High
703	RP198160	Landfill *** service stations	High
3	RP806359	Landfill *** waste storage; treatment or disposal	High
153; 154	RP26005	Landfill/petroleum product or oil storage	High
9999	SP206774	Landfill/petroleum product or oil storage	High
9999	SP206769	Landfill/petroleum product or oil storage	High
9999; 201-254	SP206778	Landfill/petroleum product or oil storage	High
102; 800	SP219000	Landfill/petroleum product or oil storage	High
1	SP163311	Landfill/wood treatment and preservation /petroleum product or oil storage	High
4	SP192423	Livestock dip or spray race	Low
7; 8	SP192424	Livestock dip or spray race	Low
20	RP208870	Metal treatment or coating	Low
4	SL807309	Metal treatment or coating	Low
1-53	BUP101701	Metal treatment or coating	Low
1-18	SP141277	Metal treatment or coating	Low
9999	BUP101701	Metal treatment or coating	Low
9999	SP141277	Metal treatment or coating	Low
2	RP71250	Metal treatment or coating	Low
1; 2	RP201663	Metal treatment or coating	Low
9999; 1-4	SP225438	Metal treatment or coating	Low
1	SL12016	Metal treatment or coating	Low
1	RP115554	Metal treatment or coating	Low
30	RP18381	Metal treatment or coating	Low
1; 100	SP200283	Metal treatment or coating	Low
80; 84	RP37480	Metal treatment or coating	Low
1	RP142172	Metal treatment or coating	Low
72; 73	RP11846	Metal treatment or coating	Low
70; 71	RP11857	Metal treatment or coating	Low
12; 13	RP11840	Metal treatment or coating	Low
13-27	RP12739	Metal treatment or coating	Low
4	RP43308	Metal treatment or coating	Low
1-146	BUP12743	Metal treatment or coating	Low
1-12; 15-60; 62-98; 100-106; 108; 9999	BUP103570	Metal treatment or coating	Low
110-112	BUP105911	Metal treatment or coating	Low
14; 109	SP191307	Metal treatment or coating	Low

Lot number(s)	Plan number	Notifiable activity	Risk
9999; 1-12; 14-68; 70-79; 82-89; 94; 95; 98; 100-103; 105-108; 110	BUP106839	Metal treatment or coating	Low
9999	BUP12743	Metal treatment or coating	Low
111-114	BUP106840	Metal treatment or coating	Low
13; 69; 109	SP110537	Metal treatment or coating	Low
90	SP208142	Metal treatment or coating	Low
117	RP86671	Metal treatment or coating	Low
1; 2	RP72044	Metal treatment or coating	Low
796	SL5394	Metal treatment or coating	Low
3	RP112650	Metal treatment or coating	Low
3	SP138729	Metal treatment or coating	Low
831; 832	SP198153	Metal treatment or coating	Low
2	RP115052	Metal treatment or coating	Low
9999	SP121720	Metal treatment or coating	Low
17	SP204992	Metal treatment or coating *** hazardous contaminant	High
1	RP852093	Metal treatment or coating *** petroleum product or oil storage	Low
3	RP158019	Metal treatment or coating *** wood treatment and preservation	Low
18; 902	SP204992	Metal treatment or coating/hazardous contaminant	High
3; 4	SP121757	Metal treatment or coating/hazardous contaminant	High
1; 245	SP157143	Metal treatment or coating/hazardous contaminant	High
9; 246	SP157144	Metal treatment or coating/hazardous contaminant	High
145	SP150339	Metal treatment or coating/hazardous contaminant	High
146	SP150340	Metal treatment or coating/hazardous contaminant	High
42	SP161089	Metal treatment or coating/hazardous contaminant	High
3	RP111956	Paint manufacture or formulation	Low
4	RP111956	Paint manufacture or formulation	Low
2	RP89574	Paint manufacture or formulation	Low
1	RP73748	Paint manufacture or formulation	Low
3	RP66926	Paint manufacture or formulation	Low
1	RP223672	Paint manufacture or formulation	Low
1	RP183641	Paint manufacture or formulation	Low
350	SL5279	Pest control	Low
297; 332	SL12778	Pest control	Low
1	RP107107	Pest control	Low
1	RP222051	Pest control	Low
55	RP37789	Pest control	Low
14	BUP10907	Pest control	Low
1	RP82675	Pest control	Low
39-41	RP37872	Pest control	Low
8	RP74928	Pest control	Low
35; 36	RP78341	Pest control	Low
1	RP890175	Petroleum product or oil storage	High
1; 2	SP137521	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
5	SP197874	Petroleum product or oil storage	High
9999; 1-10; 13-16; 22-29; 32-45	SP100037	Petroleum product or oil storage	High
1; 2	SP190801	Petroleum product or oil storage	High
1	SP112972	Petroleum product or oil storage	High
2; 3	SP118578	Petroleum product or oil storage	High
1	RP33570	Petroleum product or oil storage	High
1; 60	RP20344	Petroleum product or oil storage	High
660	RP892974	Petroleum product or oil storage	High
20	SP198740	Petroleum product or oil storage	High
325	SP138356	Petroleum product or oil storage	High
544	SP119375	Petroleum product or oil storage	High
2	SP117789	Petroleum product or oil storage	High
500	SL5693	Petroleum product or oil storage	High
1	RP18456	Petroleum product or oil storage	High
343	B3801	Petroleum product or oil storage	High
2	SP211404	Petroleum product or oil storage	High
3	RP172219	Petroleum product or oil storage	High
2	RP109338	Petroleum product or oil storage	High
2; 4; 5	RP191788	Petroleum product or oil storage	High
11	RP190507	Petroleum product or oil storage	High
20; 21	RP190506	Petroleum product or oil storage	High
19	RP37409	Petroleum product or oil storage	High
2	GTP1597	Petroleum product or oil storage	High
10	RP884180	Petroleum product or oil storage	High
5; 6	RP138225	Petroleum product or oil storage	High
45; 21; 24	RP138226	Petroleum product or oil storage	High
6	RP205265	Petroleum product or oil storage	High
4	RP229795	Petroleum product or oil storage	High
16	RP231705	Petroleum product or oil storage	High
1	SP142830	Petroleum product or oil storage	High
1	SL7195	Petroleum product or oil storage	High
2	RP102144	Petroleum product or oil storage	High
5	RP82789	Petroleum product or oil storage	High
10	SP109528	Petroleum product or oil storage	High
2	SP124360	Petroleum product or oil storage	High
97; 98	RP34070	Petroleum product or oil storage	High
1	RP202924	Petroleum product or oil storage	High
6	RP866929	Petroleum product or oil storage	High
674	SL9942	Petroleum product or oil storage	High
916	SL5057	Petroleum product or oil storage	High
4	RP152644	Petroleum product or oil storage	High
1; 2	RP155393	Petroleum product or oil storage	High
37	RP55484	Petroleum product or oil storage	High
26; 28- 31	RP18356	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
27	RP84739	Petroleum product or oil storage	High
1	RP103120	Petroleum product or oil storage	High
33; 34	RP33460	Petroleum product or oil storage	High
1	RP163759	Petroleum product or oil storage	High
37; 38	RP12614	Petroleum product or oil storage	High
81	RP87060	Petroleum product or oil storage	High
208	RP12639	Petroleum product or oil storage	High
1	RP122191	Petroleum product or oil storage	High
211	RP12639	Petroleum product or oil storage	High
200	RP856321	Petroleum product or oil storage	High
1	AP5136	Petroleum product or oil storage	High
207	RP12639	Petroleum product or oil storage	High
192-194	SP201080	Petroleum product or oil storage	High
10	RP202493	Petroleum product or oil storage	High
26	RP18424	Petroleum product or oil storage	High
1	RP174608	Petroleum product or oil storage	High
1226	SL8896	Petroleum product or oil storage	High
3	RP48533	Petroleum product or oil storage	High
66; 67	RP18985	Petroleum product or oil storage	High
141	RP18577	Petroleum product or oil storage	High
1	RP68192	Petroleum product or oil storage	High
6	SP154960	Petroleum product or oil storage	High
19	RP170266	Petroleum product or oil storage	High
5; 6	SP128769	Petroleum product or oil storage	High
1	RP153902	Petroleum product or oil storage	High
1	RP124690	Petroleum product or oil storage	High
15	RP18381	Petroleum product or oil storage	High
1	RP131196	Petroleum product or oil storage	High
11; 19-22; 24	RP18381	Petroleum product or oil storage	High
57	RP19034	Petroleum product or oil storage	High
1	RP66492	Petroleum product or oil storage	High
58	RP19034	Petroleum product or oil storage	High
1241	SL8836	Petroleum product or oil storage	High
1	RP127715	Petroleum product or oil storage	High
2	RP801651	Petroleum product or oil storage	High
10	RP209688	Petroleum product or oil storage	High
1	SP213410	Petroleum product or oil storage	High
6; 13; 25; 18; 30	SP179450	Petroleum product or oil storage	High
3	RP886311	Petroleum product or oil storage	High
15	SP215241	Petroleum product or oil storage	High
9999; 1-20	SP215250	Petroleum product or oil storage	High
101	RP908959	Petroleum product or oil storage	High
1043	SL7078	Petroleum product or oil storage	High
5	SL12786	Petroleum product or oil storage	High
11; 12	RP63738	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
4	RP161814	Petroleum product or oil storage	High
6	RP55971	Petroleum product or oil storage	High
1	RP100546	Petroleum product or oil storage	High
2	RP13006	Petroleum product or oil storage	High
702	SP183568	Petroleum product or oil storage	High
108	RP46047	Petroleum product or oil storage	High
5	RP880452	Petroleum product or oil storage	High
2	RP71958	Petroleum product or oil storage	High
1	RP179845	Petroleum product or oil storage	High
1	RP217835	Petroleum product or oil storage	High
2	RP210697	Petroleum product or oil storage	High
2	RP37700	Petroleum product or oil storage	High
62	RP138194	Petroleum product or oil storage	High
1	RP160842	Petroleum product or oil storage	High
25	RP854695	Petroleum product or oil storage	High
2	RP107577	Petroleum product or oil storage	High
3; 4	RP153886	Petroleum product or oil storage	High
5	RP228083	Petroleum product or oil storage	High
2; 101	SP172149	Petroleum product or oil storage	High
20; 21	SP172151	Petroleum product or oil storage	High
2; 200; 201	SP200283	Petroleum product or oil storage	High
1	RP37459	Petroleum product or oil storage	High
1; 2	RP94700	Petroleum product or oil storage	High
935	SL7479	Petroleum product or oil storage	High
2	RP121413	Petroleum product or oil storage	High
49	RP150781	Petroleum product or oil storage	High
17	RP211657	Petroleum product or oil storage	High
18	RP220252	Petroleum product or oil storage	High
10; 11	RP892147	Petroleum product or oil storage	High
1	RP112630	Petroleum product or oil storage	High
3	RP207252	Petroleum product or oil storage	High
10	RP209552	Petroleum product or oil storage	High
8	RP222829	Petroleum product or oil storage	High
6	RP891735	Petroleum product or oil storage	High
2-4	RP106106	Petroleum product or oil storage	High
1	RP37619	Petroleum product or oil storage	High
2	SP137679	Petroleum product or oil storage	High
37; 38	SP211345	Petroleum product or oil storage	High
4	SP161332	Petroleum product or oil storage	High
1	SP203733	Petroleum product or oil storage	High
1249	SL570	Petroleum product or oil storage	High
1	RP848333	Petroleum product or oil storage	High
5	RP809858	Petroleum product or oil storage	High
1	RP884179	Petroleum product or oil storage	High
1	RP70669	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
1	RP170304	Petroleum product or oil storage	High
1	RP99990	Petroleum product or oil storage	High
5	RP68189	Petroleum product or oil storage	High
201	RP37531	Petroleum product or oil storage	High
200	RP37531	Petroleum product or oil storage	High
1	RP806390	Petroleum product or oil storage	High
3	RP121339	Petroleum product or oil storage	High
1; 2	SP202335	Petroleum product or oil storage	High
22	RP182994	Petroleum product or oil storage	High
10	RP136779	Petroleum product or oil storage	High
835	SP143376	Petroleum product or oil storage	High
10	RP205644	Petroleum product or oil storage	High
1	RP193931	Petroleum product or oil storage	High
44	RP122862	Petroleum product or oil storage	High
3	RP209542	Petroleum product or oil storage	High
1	RP899480	Petroleum product or oil storage	High
1	RP181959	Petroleum product or oil storage	High
3	SP102562	Petroleum product or oil storage	High
41	RP218420	Petroleum product or oil storage	High
2	RP157971	Petroleum product or oil storage	High
9	RP196746	Petroleum product or oil storage	High
2	SL12006	Petroleum product or oil storage	High
40	RP817615	Petroleum product or oil storage	High
6	B118221	Petroleum product or oil storage	High
1	RP123283	Petroleum product or oil storage	High
1	RP108374	Petroleum product or oil storage	High
2	SP172708	Petroleum product or oil storage	High
10	RP128822	Petroleum product or oil storage	High
14	SL11335	Petroleum product or oil storage	High
23	RP146830	Petroleum product or oil storage	High
1	RP172274	Petroleum product or oil storage	High
13	B32219	Petroleum product or oil storage	High
3	RP46686	Petroleum product or oil storage	High
12	RP128676	Petroleum product or oil storage	High
5	RP40997	Petroleum product or oil storage	High
101	SP102966	Petroleum product or oil storage	High
1; 4	SP157241	Petroleum product or oil storage	High
20; 21	SP198665	Petroleum product or oil storage	High
31	RP173814	Petroleum product or oil storage	High
4	RP173778	Petroleum product or oil storage	High
34	RP146754	Petroleum product or oil storage	High
111; 123	SP208982	Petroleum product or oil storage	High
2; 3; 6	SP100562	Petroleum product or oil storage	High
4; 28	SP207222	Petroleum product or oil storage	High
496	SL12309	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
2	RP43451	Petroleum product or oil storage	High
2	RP124155	Petroleum product or oil storage	High
1	RP122127	Petroleum product or oil storage	High
3	RP211213	Petroleum product or oil storage	High
5	SP115364	Petroleum product or oil storage	High
1	AP3495	Petroleum product or oil storage	High
1; 2	SP140773	Petroleum product or oil storage	High
4	SP143673	Petroleum product or oil storage	High
6-11	SP165989	Petroleum product or oil storage	High
12	RP125034	Petroleum product or oil storage	High
5	RP195923	Petroleum product or oil storage	High
7	B118227	Petroleum product or oil storage	High
21	RP133052	Petroleum product or oil storage	High
13-15	RP46148	Petroleum product or oil storage	High
1	RP142803	Petroleum product or oil storage	High
5	RP200298	Petroleum product or oil storage	High
16	RP229111	Petroleum product or oil storage	High
2	RP905881	Petroleum product or oil storage	High
1	RP905881	Petroleum product or oil storage	High
1	SP182811	Petroleum product or oil storage	High
9999; 3-11	SP156453	Petroleum product or oil storage	High
2	SP167985	Petroleum product or oil storage	High
1	SP182833	Petroleum product or oil storage	High
12	SP182844	Petroleum product or oil storage	High
9999	SP111240	Petroleum product or oil storage	High
6	RP43033	Petroleum product or oil storage	High
1; 3	RP88472	Petroleum product or oil storage	High
26	RP137725	Petroleum product or oil storage	High
2	RP88472	Petroleum product or oil storage	High
2	RP67151	Petroleum product or oil storage	High
27	RP204754	Petroleum product or oil storage	High
24; 25	RP216272	Petroleum product or oil storage	High
23	RP223377	Petroleum product or oil storage	High
2	RP152576	Petroleum product or oil storage	High
49	RP231249	Petroleum product or oil storage	High
7	RP804537	Petroleum product or oil storage	High
15	RP170268	Petroleum product or oil storage	High
2	RP211151	Petroleum product or oil storage	High
6	RP221165	Petroleum product or oil storage	High
73; 74	RP46061	Petroleum product or oil storage	High
100; 101	SP218954	Petroleum product or oil storage	High
5	RP127273	Petroleum product or oil storage	High
2	RP231259	Petroleum product or oil storage	High
13	RP10457	Petroleum product or oil storage	High
1-4; 6; 7	RP41005	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
1	RP140930	Petroleum product or oil storage	High
4; 5; 19; 18	RP9713	Petroleum product or oil storage	High
1	RP203299	Petroleum product or oil storage	High
4	RP221710	Petroleum product or oil storage	High
2	SP134044	Petroleum product or oil storage	High
1	RP188052	Petroleum product or oil storage	High
1	RP626	Petroleum product or oil storage	High
506	B118215	Petroleum product or oil storage	High
1	RP189266	Petroleum product or oil storage	High
3	RP209571	Petroleum product or oil storage	High
31	RP178577	Petroleum product or oil storage	High
1	RP119919	Petroleum product or oil storage	High
1	RP948	Petroleum product or oil storage	High
32	RP178652	Petroleum product or oil storage	High
30	RP145982	Petroleum product or oil storage	High
5	RP200175	Petroleum product or oil storage	High
15	RP137816	Petroleum product or oil storage	High
23	SL12397	Petroleum product or oil storage	High
26	B118246	Petroleum product or oil storage	High
1	RP94587	Petroleum product or oil storage	High
41	RP12669	Petroleum product or oil storage	High
22; 23	RP11809	Petroleum product or oil storage	High
1	RP11810	Petroleum product or oil storage	High
2; 42	SP107611	Petroleum product or oil storage	High
24; 124	SP184402	Petroleum product or oil storage	High
1	RP805860	Petroleum product or oil storage	High
1	RP125561	Petroleum product or oil storage	High
1-9; 100; 9999	SP176295	Petroleum product or oil storage	High
8	CP900184	Petroleum product or oil storage	High
1; 2	RP75018	Petroleum product or oil storage	High
76; 77	RP12775	Petroleum product or oil storage	High
9; 8; 114; 112; 111	RP12739	Petroleum product or oil storage	High
11	RP864085	Petroleum product or oil storage	High
4	RP69511	Petroleum product or oil storage	High
3	RP89855	Petroleum product or oil storage	High
12	RP152616	Petroleum product or oil storage	High
73	RP11335	Petroleum product or oil storage	High
2	RP221700	Petroleum product or oil storage	High
2	RP69973	Petroleum product or oil storage	High
1	RP69972	Petroleum product or oil storage	High
1; 2	RP100687	Petroleum product or oil storage	High
1	SP133250	Petroleum product or oil storage	High
4	SP139861	Petroleum product or oil storage	High
101; 103	RP9281	Petroleum product or oil storage	High
1	RP131423	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
5	SP188317	Petroleum product or oil storage	High
1-63; 9999	SP118989	Petroleum product or oil storage	High
3	SP103871	Petroleum product or oil storage	High
1-106; 9999	BUP10415	Petroleum product or oil storage	High
1-5; 7-14; 17-47; 9999	BUP10414	Petroleum product or oil storage	High
16	SP133286	Petroleum product or oil storage	High
2	RP56171	Petroleum product or oil storage	High
3	RP12509	Petroleum product or oil storage	High
25	RP101422	Petroleum product or oil storage	High
7	RP117955	Petroleum product or oil storage	High
1	SP151192	Petroleum product or oil storage	High
99	SP214235	Petroleum product or oil storage	High
4	SP229899	Petroleum product or oil storage	High
96	SP229911	Petroleum product or oil storage	High
6	RP166426	Petroleum product or oil storage	High
13	SP158918	Petroleum product or oil storage	High
14	SP158920	Petroleum product or oil storage	High
652	RP98205	Petroleum product or oil storage	High
1; 2	SP163909	Petroleum product or oil storage	High
4	RP18962	Petroleum product or oil storage	High
7	RP223902	Petroleum product or oil storage	High
67	RP80003	Petroleum product or oil storage	High
68	RP18524	Petroleum product or oil storage	High
1; 11	SP125074	Petroleum product or oil storage	High
5	RP152604	Petroleum product or oil storage	High
2; 12	SP193904	Petroleum product or oil storage	High
449	SL4242	Petroleum product or oil storage	High
1	RP152626	Petroleum product or oil storage	High
161-164	RP19964	Petroleum product or oil storage	High
880	M333052	Petroleum product or oil storage	High
2	RP219397	Petroleum product or oil storage	High
700	SL6074	Petroleum product or oil storage	High
18	SL6074	Petroleum product or oil storage	High
17	RP63845	Petroleum product or oil storage	High
1; 17-25; 45-83	RP26078	Petroleum product or oil storage	High
607	SL564	Petroleum product or oil storage	High
3	RP47807	Petroleum product or oil storage	High
16	RP26086	Petroleum product or oil storage	High
21-28	RP26080	Petroleum product or oil storage	High
1	RP129140	Petroleum product or oil storage	High
1	RP891922	Petroleum product or oil storage	High
1	RP185614	Petroleum product or oil storage	High
5	RP213436	Petroleum product or oil storage	High
20; 21	SP102856	Petroleum product or oil storage	High
1	RP93976	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
41	RP221629	Petroleum product or oil storage	High
1	RP99085	Petroleum product or oil storage	High
1	RP97188	Petroleum product or oil storage	High
1	RP125351	Petroleum product or oil storage	High
3-6	RP43700	Petroleum product or oil storage	High
16; 17	RP43701	Petroleum product or oil storage	High
7; 8	RP71666	Petroleum product or oil storage	High
10	RP110541	Petroleum product or oil storage	High
5	SL11589	Petroleum product or oil storage	High
1	SL11598	Petroleum product or oil storage	High
3	RP191667	Petroleum product or oil storage	High
2	RP112585	Petroleum product or oil storage	High
1; 11	SL7106	Petroleum product or oil storage	High
2	SL7103	Petroleum product or oil storage	High
1	SP155710	Petroleum product or oil storage	High
2	RP86648	Petroleum product or oil storage	High
1	RP58549	Petroleum product or oil storage	High
12	RP103341	Petroleum product or oil storage	High
1	RP189950	Petroleum product or oil storage	High
1-3, 9999	GTP102563	Petroleum product or oil storage	High
5; 7	GTP105759	Petroleum product or oil storage	High
10	SP155727	Petroleum product or oil storage	High
810	SL5574	Petroleum product or oil storage	High
637	SL4316	Petroleum product or oil storage	High
702	RP851249	Petroleum product or oil storage	High
1; 2	RP909225	Petroleum product or oil storage	High
1; 2	SP203363	Petroleum product or oil storage	High
5	RP178629	Petroleum product or oil storage	High
3	RP179192	Petroleum product or oil storage	High
40	RP122862	Petroleum product or oil storage	High
1; 2	RP138764	Petroleum product or oil storage	High
65	RP119967	Petroleum product or oil storage	High
1	RP172181	Petroleum product or oil storage	High
32	RP137896	Petroleum product or oil storage	High
2	RP94559	Petroleum product or oil storage	High
88	RP219257	Petroleum product or oil storage	High
4	B32204	Petroleum product or oil storage	High
9	RP214636	Petroleum product or oil storage	High
21	SP216137	Petroleum product or oil storage	High
1	RP194045	Petroleum product or oil storage	High
6	RP143577	Petroleum product or oil storage	High
9	RP74928	Petroleum product or oil storage	High
38-40	RP78341	Petroleum product or oil storage	High
2	RP143727	Petroleum product or oil storage	High
17	RP74928	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
1	RP88693	Petroleum product or oil storage	High
1	RP158190	Petroleum product or oil storage	High
951	RP220248	Petroleum product or oil storage	High
23	RP813045	Petroleum product or oil storage	High
1	RP84770	Petroleum product or oil storage	High
2	RP136992	Petroleum product or oil storage	High
1; 9999	BUP102877	Petroleum product or oil storage	High
1	RP85166	Petroleum product or oil storage	High
4	RP809718	Petroleum product or oil storage	High
3	RP136755	Petroleum product or oil storage	High
14	RP130779	Petroleum product or oil storage	High
31	RP852250	Petroleum product or oil storage	High
1	RP74591	Petroleum product or oil storage	High
24	RP100451	Petroleum product or oil storage	High
335	SL3987	Petroleum product or oil storage	High
2	RP212214	Petroleum product or oil storage	High
10; 11	RP10935	Petroleum product or oil storage	High
1	RP201368	Petroleum product or oil storage	High
5	RP801844	Petroleum product or oil storage	High
7	RP11640	Petroleum product or oil storage	High
106; 107	SP141919	Petroleum product or oil storage	High
1	RP856333	Petroleum product or oil storage	High
9; 13	RP11195	Petroleum product or oil storage	High
20	RP892634	Petroleum product or oil storage	High
1	RP147016	Petroleum product or oil storage	High
1	RP121097	Petroleum product or oil storage	High
1	RP154835	Petroleum product or oil storage	High
35	RP191045	Petroleum product or oil storage	High
17	RP100716	Petroleum product or oil storage	High
35	SL805565	Petroleum product or oil storage	High
3; 7	RP8693	Petroleum product or oil storage	High
10; 12	RP73327	Petroleum product or oil storage	High
9	SL806184	Petroleum product or oil storage	High
21; 22	SP183609	Petroleum product or oil storage	High
2	RP10855	Petroleum product or oil storage	High
1	RP10859	Petroleum product or oil storage	High
1	RP86690	Petroleum product or oil storage	High
1; 3	RP46495	Petroleum product or oil storage	High
21-24	RP10779	Petroleum product or oil storage	High
16	RP10778	Petroleum product or oil storage	High
35; 36	RP10790	Petroleum product or oil storage	High
23	RP146760	Petroleum product or oil storage	High
6; 7; 17	RP9713	Petroleum product or oil storage	High
1	SP196776	Petroleum product or oil storage	High
2-5	SP195250	Petroleum product or oil storage	High

Lot number(s)	Plan number	Notifiable activity	Risk
40; 41	SP196964	Petroleum product or oil storage	High
1	RP157793	Petroleum product or oil storage	High
4	RP45691	Petroleum product or oil storage	High
20	RP909220	Petroleum product or oil storage	High
1	RP138453	Petroleum product or oil storage	High
13-16	B31671	Petroleum product or oil storage	High
1	SL805627	Petroleum product or oil storage	High
2; 3	RP10904	Petroleum product or oil storage	High
2	SP144596	Petroleum product or oil storage	High
3	SP190738	Petroleum product or oil storage	High
4	SP190738	Petroleum product or oil storage	High
414	SL8740	Petroleum product or oil storage	High
492	CP855445	Petroleum product or oil storage	High
101; 532	CP905886	Petroleum product or oil storage	High
1	RP110657	Petroleum product or oil storage	High
1	RP1068	Petroleum product or oil storage	High
2	RP111828	Petroleum product or oil storage	High
22; 23; 36; 37	B118243	Petroleum product or oil storage	High
1; 2	RP182958	Petroleum product or oil storage	High
12	B118229	Petroleum product or oil storage	High
5	RP202845	Petroleum product or oil storage	High
50	RP200074	Petroleum product or oil storage	High
2; 3	RP1068	Petroleum product or oil storage	High
1; 2	RP615	Petroleum product or oil storage	High
1	RP616	Petroleum product or oil storage	High
2	RP640	Petroleum product or oil storage	High
1-4	RP43986	Petroleum product or oil storage	High
1	RP641	Petroleum product or oil storage	High
18	RP209685	Petroleum product or oil storage	High
2	RP107515	Petroleum product or oil storage *** railway yards	High
10	SP163247	Petroleum product or oil storage *** railway yards	High
100	RP166880	Petroleum product or oil storage *** scrap yards	High
1	RP129954	Service stations /petroleum product or oil storage	High
957	SL7763	Petroleum product or oil storage *** waste storage; treatment or disposal	High
2	RP37416	Petroleum product or oil storage *** waste storage; treatment or disposal	High
818	SL5746	Petroleum product or oil storage *** waste storage; treatment or disposal	High
82	SL8293	Petroleum product or oil storage *** waste storage; treatment or disposal	High
2	SP114795	Petroleum product or oil storage *** waste storage; treatment or disposal	High
25	RP910504	Petroleum product or oil storage/hazardous contaminant	High
40	SP134959	Petroleum product or oil storage/hazardous contaminant	High
2	RP185046	Petroleum product or oil storage/hazardous contaminant	High
651	SP141435	Petroleum product or oil storage/hazardous contaminant	High

Lot number(s)	Plan number	Notifiable activity	Risk
14; 15; 19; 31; 26; 27; 34; 35; 9999	SP179450	Petroleum product or oil storage/hazardous contaminant	High
4	SP198920	Petroleum product or oil storage/hazardous contaminant	High
1; 2	RP42010	Petroleum product or oil storage/hazardous contaminant	High
2	SP213410	Petroleum product or oil storage/hazardous contaminant	High
3	SP213410	Petroleum product or oil storage/landfill/hazardous contaminant	High
3; 7; 12; 24	SP179450	Petroleum product or oil storage/hazardous contaminant	High
10	SP208752	Petroleum product or oil storage/printing/hazardous contaminant /landfill	High
2	SP158926	Petroleum product or oil storage/railway yards	High
1; 25; 26	SP207220	Petroleum product or oil storage/railway yards	High
5	SP207221	Petroleum product or oil storage/railway yards	High
27	SP207221	Petroleum product or oil storage/railway yards	High
9999; 101-114; 201-266; 301-326; 328-330; 332	SP149710	Petroleum product or oil storage/waste storage; treatment or disposal	High
1; 2	SP176922	Petroleum product or oil storage/wood treatment and preservation	High
1	RP158641	Pharmaceutical manufacture	Low
3	SP183570	Printing	Low
3	RP9891	Printing	Low
1	RP98241	Printing	Low
2	SP183570	Printing	Low
101	RP146694	Printing	Low
272	RP9348	Printing	Low
2	RP211207	Printing	Low
3	RP18645	Printing	Low
3	RP897163	Printing	Low
225	RP37531	Printing	Low
223	RP37531	Printing	Low
3	RP9469	Printing	Low
2; 3	RP9773	Printing	Low
19	RP9723	Printing	Low
2	SP126951	Printing	Low
1	SP126951	Printing	Low
9999; 1-21	SP171627	Printing	Low
69	RP9287	Printing	Low
11	RP75685	Printing	Low
3	RP98241	Printing	Low
2	RP52004	Printing	Low
1; 2	RP47587	Printing	Low
2-4; 6-8	RP9893	Printing	Low
1-4	RP41931	Printing	Low
1	RP9892	Printing	Low
4-8	RP9891	Printing	Low
6	RP219401	Printing	Low

Lot number(s)	Plan number	Notifiable activity	Risk
51	RP41460	Printing	Low
1	SP125533	Printing	Low
1	RP178147	Printing	Low
3	RP169745	Printing	Low
19	RP158201	Printing	Low
1; 119	SP150313	Printing	Low
2; 120	SP150314	Printing	Low
511	SP117370	Printing	Low
1	RP118231	Printing	Low
1	RP116564	Printing	Low
44; 45	RP9986	Printing	Low
30	RP38011	Radioactive contaminant	High
34; 35	SP158925	Railway yards	Low
1293	CP899831	Railway yards	High
1294	CP899832	Railway yards	High
14	SP119264	Railway yards	High
103; 934	SSP107067	Railway yards	High
56	SP136612	Railway yards	High
37	SP169852	Railway yards	High
35	SP207219	Railway yards	High
32	SP169851	Railway yards	High
24	SP207219	Railway yards	High
60	SP207215	Railway yards	High
16; 29	SP207223	Railway yards	High
4	SP113018	Railway yards	High
9	SP169860	Railway yards	High
20; 22	SP169861	Railway yards	High
1	RP892797	Railway yards	High
289-292	RP37716	Railway yards	High
5	SP111346	Railway yards	High
101	SP122207	Railway yards	High
1; 3; 17	SP177545	Railway yards	High
1; 2; 9999	SP129361	Railway yards	High
1296	CP899834	Railway yards	High
1	RP45914	Railway yards	High
2; 7; 9	SP119390	Railway yards	High
10; 11	SP119391	Railway yards	High
13; 14; 15	SP119392	Railway yards	High
17-23	SP119393	Railway yards	High
21	SP117132	Railway yards	High
4	SP111345	Railway yards	High
199; 202	SP111347	Railway yards	High
198	SP111345	Railway yards	High
3	RP107515	Railway yards	High
3-5	RP94511	Railway yards	High

Lot number(s)	Plan number	Notifiable activity	Risk
6	RP94512	Railway yards	High
101	SP105842	Railway yards	High
17; 19; 20	RP903101	Railway yards	High
25	RP903100	Railway yards	High
32	SP100555	Railway yards	High
34	SP100560	Railway yards	High
57	SP136612	Railway yards	High
16	SP207215	Railway yards	High
18; 21	SP207216	Railway yards	High
22; 26	SP207217	Railway yards	High
32	SP172136	Railway yards	High
19	SP169861	Railway yards	High
33; 34	SP172136	Railway yards	High
30; 1292	SP157133	Railway yards	High
37	CP816132	Railway yards	High
1295	CP899833	Railway yards	High
1	RP88204	Railway yards	High
1	RP186083	Railway yards	High
43; 44; 46	RP37329	Railway yards	High
3	RP185695	Railway yards	High
4	RP94558	Railway yards	High
6	RP185696	Railway yards	High
3; 6; 9; 12	RP42839	Railway yards	High
700	SL3603	Railway yards	High
1; 4; 7	RP42088	Railway yards	High
1; 2	RP43706	Railway yards	High
3	RP42840	Railway yards	High
11	RP118123	Railway yards	High
2	RP209330	Railway yards	High
1	SL807939	Railway yards	High
6	SP158187	Railway yards	High
514	SP163123	Railway yards	High
103	SP179350	Railway yards	High
304	SP214092	Railway yards	High
305	SP214093	Railway yards	High
101; 102	SP214128	Railway yards	High
512	SP205160	Railway yards	High
2	SP149277	Railway yards	High
4	SP149278	Railway yards	High
60; 160	SP184385	Railway yards	High
63; 163	SP184386	Railway yards	High
61; 161	SP188566	Railway yards	High
23	CP902082	Railway yards	High
1292	CP899830	Railway yards	High
38; 39	SP169853	Railway yards	High

Lot number(s)	Plan number	Notifiable activity	Risk
36	SP169852	Railway yards	High
33; 34	SP169851	Railway yards	High
21	Sp169861	Railway yards	High
1291	CP899829	Railway yards/hazardous contaminant	High
103	SSP107067	Railway yards/hazardous contaminant	High
1	RP898937	Scrap yards	Low
2	RP105559	Scrap yards	Low
1	RP89631	Scrap yards	Low
2; 68	RP54391	Scrap yards	Low
2	RP55530	Scrap yards	Low
74, 75	RP9371	Scrap yards	Low
71	RP89631	Scrap yards	Low
33	RP18367	Scrap yards	Low
1	RP152614	Scrap yards	Low
35; 36	RP18424	Scrap yards	Low
3	RP152614	Scrap yards	Low
1; 2	RP64022	Scrap yards	Low
1	RP69316	Scrap yards	Low
1	RP13210	Scrap yards	Low
1; 3	RP69713	Scrap yards	Low
4	RP905523	Scrap yards	Low
2	RP224299	Scrap yards	Low
2	RP81623	Scrap yards	Low
1	RP110019	Scrap yards	Low
1	RP81623	Scrap yards	Low
5	RP37617	Scrap yards	Low
20; 25; 27-30	SP106880	Scrap yards	Low
13; 14	SP106881	Scrap yards	Low
1	SP227767	Scrap yards	Low
244-246; 193-195	RP12671	Scrap yards	Low
36; 37; 39	RP12669	Scrap yards	Low
1	RP82934	Scrap yards	Low
162	RP11503	Scrap yards	Low
5	RP92077	Scrap yards	Low
1	RP55684	Scrap yards	Low
10	B31739	Scrap yards	Low
1	RP135199	Scrap yards	Low
31	SL11356	Scrap yards	Low
15; 16	RP98634	Scrap yards	Low
10	SL5797	Scrap yards	Low
4	RP59375	Scrap yards	Low
15	RP74928	Scrap yards	Low
1; 2	RP15311	Scrap yards	Low
59	RP33567	Service stations	High
1	RP34409	Service stations	High

Lot number(s)	Plan number	Notifiable activity	Risk
9999	SP157201	Service stations	High
5	RP103689	Service stations	High
1	RP53141	Service stations	High
1	RP106811	Service stations	High
4	RP33897	Service stations	High
3	RP33897	Service stations	High
1	RP100608	Service stations	High
63	RP97766	Service stations	High
1	RP106698	Service stations	High
2	RP64059	Service stations	High
20	RP172270	Service stations	High
1	RP89174	Service stations	High
9999; 1-45	BUP7595	Service stations	High
600	RP864272	Service stations	High
2	RP97828	Service stations	High
27	RP202905	Service stations	High
11	RP217068	Service stations	High
1	RP157673	Service stations	High
10	RP221935	Service stations	High
1	RP195585	Service stations	High
1-3	RP34070	Service stations	High
2	RP46455	Service stations	High
3	RP55689	Service stations	High
1	RP98178	Service stations	High
10	RP200845	Service stations	High
1	RP108149	Service stations	High
20	RP806608	Service stations	High
10	RP100794	Service stations	High
11	RP845909	Service stations	High
1	RP47105	Service stations	High
1	RP124347	Service stations	High
1	RP863993	Service stations	High
1	RP224903	Service stations	High
176	SP217716	Service stations	High
1	RP100688	Service stations	High
1	RP87496	Service stations	High
1	RP92573	Service stations	High
1	RP55287	Service stations	High
25; 26; 28	RP19619	Service stations	High
116	RP19643	Service stations	High
38	RP102728	Service stations	High
2	RP106099	Service stations	High
5	RP127711	Service stations	High
1	RP907285	Service stations	High
18-23	SP115242	Service stations	High





Lot number(s)	Plan number	Notifiable activity	Risk
1	RP213055	Service stations	High
2	SP133321	Service stations	High
5	RP103008	Service stations	High
708	SL7161	Service stations	High
1	RP72452	Service stations	High
1	RP93286	Service stations	High
2	RP76408	Service stations	High
1	RP137726	Service stations	High
1	RP100966	Service stations	High
12	SP112598	Service stations	High
2	RP102193	Service stations	High
1	RP211716	Service stations	High
156	RP99404	Service stations	High
7	RP150509	Service stations	High
1	RP852767	Service stations	High
1	SP114335	Service stations	High
1	RP129579	Service stations	High
1	RP47800	Service stations	High
5	RP212124	Service stations	High
29	RP46856	Service stations	High
1	RP84522	Service stations	High
1	RP57365	Service stations	High
4	RP37633	Service stations	High
3	RP46870	Service stations	High
1	RP129681	Service stations	High
1	RP115066	Service stations	High
645	RP37433	Service stations	High
1	RP159899	Service stations	High
1; 2	RP131501	Service stations	High
1-4	RP136354	Service stations	High
29	RP814324	Service stations	High
46	RP898204	Service stations	High
7	RP220745	Service stations	High
6	RP37617	Service stations	High
1	RP227075	Service stations	High
80	RP909063	Service stations	High
1	RP81166	Service stations	High
6	SP103226	Service stations	High
67-70	RP46061	Service stations	High
106	RP846555	Service stations	High
26-29	RP44192	Service stations	High
1	RP170643	Service stations	High
5	B361	Service stations	High
6	B361	Service stations	High
1	RP145390	Service stations	High





Lot number(s)	Plan number	Notifiable activity	Risk
1	RP173860	Service stations	High
100	RP203369	Service stations	High
1	RP100416	Service stations	High
4; 5	RP48429	Service stations	High
1	RP11933	Service stations	High
128	RP204863	Service stations	High
1	RP93896	Service stations	High
87-89	RP12003	Service stations	High
90	RP203012	Service stations	High
1	RP99314	Service stations	High
13	RP12803	Service stations	High
1	RP116909	Service stations	High
219; 220	RP11490	Service stations	High
1	RP84335	Service stations	High
1	RP95418	Service stations	High
1	RP94295	Service stations	High
1	RP146469	Service stations	High
165	RP898190	Service stations	High
1	RP108023	Service stations	High
98	SP148180	Service stations	High
1	RP102661	Service stations	High
3	SP149658	Service stations	High
1- 8; 9999	SP149651	Service stations	High
7	RP100888	Service stations	High
3	RP214496	Service stations	High
1	RP144711	Service stations	High
112	SP103789	Service stations	High
1	RP122028	Service stations	High
17	RP12816	Service stations	High
1; 2	RP64214	Service stations	High
20	RP12816	Service stations	High
76	RP13155	Service stations	High
1	RP40736	Service stations	High
4	RP209568	Service stations	High
1	SP140923	Service stations	High
3	RP116165	Service stations	High
1; 2	RP189321	Service stations	High
1	RP88847	Service stations	High
1	RP81784	Service stations	High
4	RP805240	Service stations	High
1	RP86312	Service stations	High
901	SP193932	Service stations	High
2; 4; 5	SP194839	Service stations	High
1	RP97924	Service stations	High
6	RP89232	Service stations	High






Lot number(s)	Plan number	Notifiable activity	Risk
1	RP106720	Service stations	High
1	RP106054	Service stations	High
2	RP225377	Service stations	High
1	RP128723	Service stations	High
746	SL8062	Service stations	High
1	RP155658	Service stations	High
1	RP166419	Service stations	High
1	RP158655	Service stations	High
1; 9999	SP128792	Service stations	High
2; 3	SP143826	Service stations	High
100	RP97196	Service stations	High
4	RP98727	Service stations	High
2	RP19349	Service stations	High
733	SL7090	Service stations	High
51	RP26121	Service stations	High
103	RP25148	Service stations	High
2	RP68231	Service stations	High
50	RP26121	Service stations	High
1	RP97627	Service stations	High
2	RP60428	Service stations	High
1	RP106920	Service stations	High
1	RP197602	Service stations	High
14-21; 42; 43	RP37872	Service stations	High
1	RP106543	Service stations	High
1	RP107206	Service stations	High
1	RP83204	Service stations	High
7	RP38011	Service stations	High
1	RP106746	Service stations	High
1240	RP848331	Service stations	High
1	RP109139	Service stations	High
2	RP162481	Service stations	High
1	RP107157	Service stations	High
6	RP179580	Service stations	High
1	RP852678	Service stations	High
10	RP904858	Service stations	High
2; 3	RP53315	Service stations	High
1	RP117268	Service stations	High
1	RP99235	Service stations	High
22	CP817735	Service stations	High
1	B32319	Service stations	High
1	RP48376	Service stations	High
1; 2	RP12243	Service stations	High
56	RP94787	Service stations	High
2	RP11862	Service stations	High
121	SP182768	Service stations	High





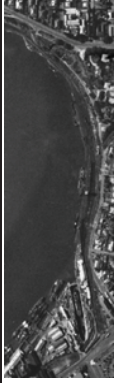
Lot number(s)	Plan number	Notifiable activity	Risk
1-3	SP179651	Service stations	High
1	RP99090	Service stations	High
2	SP129268	Service stations	High
3	RP101656	Service stations	High
4	RP52501	Service stations	High
4	SP137684	Service stations	High
1	RP43877	Service stations	High
17	SP135243	Service stations	High
6	SP135240	Service stations	High
1; 2	RP910688	Service stations	High
388	SP120369	Service stations	High
100	SP134740	Service stations /petroleum product or oil storage	High
1	SP192429	Service stations/hazardous contaminant	High
1074	SP130253	Tannery; fellmongery or hide curing	Low
2	RP219785	Tannery; fellmongery or hide curing	Low
3	RP69587	Tannery; fellmongery or hide curing	Low
20	RP883269	Tannery; fellmongery or hide curing	Low
9999; 1-4	SP106163	Tannery; fellmongery or hide curing	Low
5-14	SP115906	Tannery; fellmongery or hide curing	Low
1, 2	RP841246	Tannery; fellmongery or hide curing	Low
1	RP866235	Tannery; fellmongery or hide curing	Low
1; 8	RP897648	Tannery; fellmongery or hide curing	Low
1; 999	RP853658	Tannery; fellmongery or hide curing	Low
9; 10	RP10605	Tannery; fellmongery or hide curing	Low
7	RP869214	Tannery; fellmongery or hide curing	Low
17	SP142032	Tannery; fellmongery or hide curing	Low
1	SP184982	Tannery; fellmongery or hide curing	Low
9999; 1-15	SP142033	Tannery; fellmongery or hide curing	Low
417	SL8190	Tannery; fellmongery or hide curing	Low
1207	M3117	Waste storage; treatment or disposal	Low
100	SP162583	Waste storage; treatment or disposal	Low
6	SL3439	Waste storage; treatment or disposal	Low
1	RP41650	Waste storage; treatment or disposal	Low
29	B118246	Waste storage; treatment or disposal	Low
1-3	SP135464	Waste storage; treatment or disposal	Low
16	RP37403	Wood treatment and preservation	Low
123	RP86671	Wood treatment and preservation	Low
585	SL2292	Wood treatment and preservation	Low
3; 4	RP104156	Wood treatment and preservation	Low
18	RP79962	Wood treatment and preservation	Low





Appendix B Aerial photograph interpretation





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
1	153.041 - 27.43 Decimal Degrees	Lot 1 RR48402, Lots 2-3 RP59681, Lots 129-132 and Lots 135- 136 RP19036	Within study corridor	Possible EMR listing for "hazardous contaminant". Portions of the Albion Flour Mill have been listed on the EMR for "hazardous contaminants". Contamination of other land parcels within the Flour Mill property boundary may have occurred.	2001	
2	153.039 - 27.433 Decimal Degrees	Lot 1 RP103897	Within study corridor	Possible Notifiable Activity "petroleum product or oil storage" or "engine reconditioning works". Land use identified land use is a mechanic or car repairs workshop. There is a potential for the onsite storage and/or disposal of oils/fuels/lubricants etc onsite.	2001	
3	153.036 - 27.491 Decimal Degrees	Lots 1-2 and 30 RP101347	Within study corridor	Possible Notifiable Activity "service station". Storage of petroleum fuels or oils may have occurred.	2001	
4	153.028 - 27.498 Decimal Degrees	Lot 1 SP140384, Lot 103 SL11351	Within study corridor	Possible Notifiable Activity "service station". Poor resolution in previous images makes confirmation difficult. However, site layout and disturbed land surface may indicate tank removal/reconfiguration.	2001	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
6	153.011 - 27.543 Decimal Degrees	Lot 907 SP149004	Within study corridor	Possible Notifiable Activity "railway yard". Land appears devoid of vegetative cover throughout imagery, and has not been developed. Potential for pesticides, metals, fuels and oils to be present from leaks/spills or from surface application. Also, Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	2001	
					1960	Photo not legible at this scale
					1972	
7	153.014 - 27.545 Decimal Degrees	Lot 1 SP103965, Lot 3 SP171541	Within study corridor	Possible Notifiable Activity "railway yards". Disturbed land potentially used for goods storage near rail corridor. Potential for pesticides, metals, fuels and oils to be present from leaks/spills or from surface application.	1972	
					1960	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
8	153.02 - 27.55 Decimal Degrees	Lots 2-5 RP96035	Within study corridor	Possible Notifiable Activity "petroleum product or oil storage" or "engine reconditioning works". Land use identified as possible mechanic or car repairs workshop. There is a potential for the onsite storage and/or disposal of oils/fuels/lubricants etc onsite.	2001	
9	153.031 - 27.562 Decimal Degrees	Lot 1 RP897094	Within study corridor	Possible Notifiable Activity "scrap yards". Land use identified as storage facility for unknown goods. Potential for the historic storage of chemicals, pesticides, fuels or oils.	2001	
10	153.032 - 27.561 Decimal Degrees	Lot 1 RP174535	Within study corridor	Possible Notifiable Activity "chemical storage". Land use identified as storage facility for unknown goods. Potential for the historic storage of chemicals, pesticides, fuels or oils.	2001	
11	153.023 - 27.556 Decimal Degrees	Lots 10-14 RP75020, Lot 1 RP112751, Lots 4-5 RP105182	Within study corridor	Possible Notifiable Activity "scrap yard" or "landfill". Land use identified as possible car scrap yard. Potential for hydrocarbons, paints, solvents or lubricants to be stored onsite. Historical photography (1960, 1970-1972) indicates substantial disturbance of the land surface, potentially indicating that material may have been stockpiled onsite, or the area may have been used for dumping wastes. The property does not correspond to records of known BCC landfills.	1960 2001	 




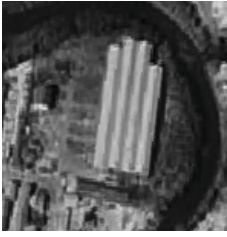
Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
12	153.031 - 27.469 Decimal Degrees	Lot 50 RP87615	Within study corridor	Possible Notifiable Activity "petroleum product or oil storage". Land use identified as boat and ferry mooring. Storage of fuels for boat refuelling at the docks is possible.	2001	
13	153.023 - 27.512 Decimal Degrees	Lots 231-233 RP37252	Within study corridor	Possible Notifiable Activity "landfill". Land use has not changed significantly over time, and remains vacant land. The site does not correspond with any landfill records provided by BCC as part of this investigation.	1970-1972	
14	153.018 - 27.516 Decimal Degrees	Lot 1 SL2602	Within study corridor	Possible Notifiable Activity "railway yards". Disturbed land potentially used for goods storage near rail corridor. Potential for pesticides, metals, fuels and oils to be present from leaks/spills or from surface application.	2001	
					1960	Photo not legible at this scale
					2001	
15	153.03 - 27.482 Decimal Degrees	Lot 403 SL806415	Within study corridor	Possible Notifiable Activity "railway yards". Land use identified as former wharves. Land formerly had rail access and goods storage. Potential for pesticides, metals, fuels and oils to be present from leaks/spills or from surface application.	1946	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
16	153.038 - 27.447 Decimal Degrees	Lot 1 RP172803, and Lots 1 and 6 RP116943	Within study corridor	Possible Notifiable Activity "service stations". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1974	
17	153.036 - 27.448 Decimal Degrees	Lot A RP44589, Lots 3-5 SP213464	Within study corridor	Possible EMR listing for "hazardous contaminants". As identified in the Northern Link EIS (SKM 2008). In 1940, 1955, 1960 and 1965 the site was residential. In 1978 and 1987 the site was cleared. In 1994, 2001 and 2007 Unidentified stockpiled fill material was observed on the site.	2001	
18	153.037 - 27.445 Decimal Degrees	Lot 103 SP155738	Within study corridor	Possible Notifiable Activity "railway yards". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). BCC records have site being used for a prescribed purpose – railway yard.	1974	
19	153.031 - 27.462 Decimal Degrees	Lot 101 RP170326	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	



Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
21	153.026 - 27.463 Decimal Degrees	SP180416	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during Northern Link EIS (SKM 2008). When asked regarding any documented history as part of NSBT, BCC advised that records showed the site was released from EMR on 2/12/2003. The site was formerly a service station from 1969 to 1990. Release from the EMR would indicate that the site has been remediated.	1961	
22	153.029 - 27.462 Decimal Degrees	Lot 1 RP196222	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
23	153.024 - 27.461 Decimal Degrees	Lot 1 RP868432	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Site has possibly: - been notified to DERM and subsequently removed from the EMR/CLR; or - been notified to DERM, however DERM has not listed the site on the EMR/CLR. Clarification on the status of the site with DERM will be required.	1974	
24	153.023 - 27.462 Decimal Degrees	Lot 7 RP211146	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1974	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
25	153.036 - 27.483 Decimal Degrees	Lot 1 RP108375	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). During research of the site for NSBT, a fax from DERM, 27/09/1999, indicated the site was released on 16/6/1995 from the EMR. Release from the EMR would indicate that the site has been remediated.	1974	
26	153.028 - 27.482 Decimal Degrees	Lot 404 SL806415, Lot 12 SP143587, Lot 403 SL806415	Within study corridor	Possible Notifiable Activity "railway yards". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
27	153.036 - 27.486 Decimal Degrees	Lot 2 B31553	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Identified on 1965 BCC plan as 'garage and service station'. When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site. The site is now part of the Woolloongabba Cricket Grounds complex.	1961	
28	153.036 - 27.488 Decimal Degrees	Lot 172 RP826415	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Site has possibly: - been notified to DERM and subsequently removed from the EMR/CLR; or - been notified to DERM, however DERM has not listed the site on the EMR/CLR. Clarification on the status of the site with DERM will be required. Site formerly had motor spirit (petrol) in 2 X 17,900L underground storage tanks.	1961	



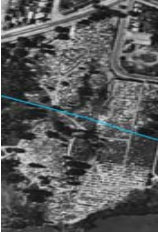
Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
29	153.036 - 27.49 Decimal Degrees	Lots 31 and 32 RP11846, Lot 1 RP91907	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC advised that they had notified DERM of the operation of the property as a service station. The site review (4/12/2001) found that the land parcels were occupied by a service station between 1955 and 1977. In 1977, a car repair shop was established. No notifiable activities were found for the repair shop. Current use of the site is offices.	1961	
30	153.036 - 27.489 Decimal Degrees	Lots 15 and 17 RP94192	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1973	
31	153.036 - 27.49 Decimal Degrees	Lot 20 RP208870	Within study corridor	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed the site is already listed on the EMR for "Metal Treatment or Coating".	1961	
32	153.040 - 27.432 Decimal Degrees	Lot 5 BUP10301, Lot 6 BUP11168, Lots 11-12 BUP11273	Within study corridor	Possible Notifiable Activity "Wood Treatment or Preservation". Land use identified from the BCC 1965 Land Use Plan as "Campbell's Mill".	1960	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
33	153.039 - 27.430 Decimal Degrees	Lot 37 RP204859	Within study corridor	Possible Notifiable Activity "service station". Land use identified from the BCC 1965 Land Use Plan as "fuel depot". Land use cannot be confirmed due to poor image quality.	1960	
35	153.031- 27.443 Decimal Degrees	Lot 2 RP56087	Within study corridor	Listed on EMR for "asbestos manufacture or disposal" Other possible Notifiable Activities include "paint manufacture or formulation", "railway yards" or "wood treatment and preservation" Land use identified from the BCC 1965 Land Use Plan as "paint manufacturer/spare parts". According to the Airport Link EIS (SKM 2006), this property is noted on the BCC records as being used by Queensland Rail for railway maintenance, chemical storage, mechanical workshops and asphalt manufacturing, and once held an active flammable and combustible goods license. Buildings appear to have been developed on the property in approximately 1950. By 1960, there is evidence of timber storage onsite. The site had been cleared of all infrastructure and buildings by 1994.	1945	
					1960	
					1970-72	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
					1994	
					2007	
37	153.041-27.438 Decimal Degrees	Lot 219 RP9371	Within study corridor	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor mechanic".	1960	Photo not legible at this scale
38	153.025-27.461 Decimal Degrees	SP180375	Within study corridor	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "Metropolitan Motors".	1960	
39	153.033 - 27.483 Decimal Degrees	Lots 1-5 and 7-15 RP11595, Lot 1 RP124676	Within study corridor	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber yard and sawmill". Parts of the area are already listed on the EMR, however it is not known if this is linked to the identified historical land use.	1960	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
41	153.034 - 27.493 Decimal Degrees	Lot 3 SP189071	Within study corridor	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".	1960	Photo not legible at this scale
42	153.035 - 27.489 Decimal Degrees	Lots 1-5 RP12251, Lot 67 RP840464, Lot 1 RP12254, Lot 1 SP172142, Lot 1 RP12253, Lots 20 and 24 RP12250, Lot 1 RP126063, Lots 2 and 17 RP12250, Lot 1 RP81424	Within study corridor	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "Hancock and Gore Timber Yard".	1960	
43		Lot s 173-196 SP155654	Within study corridor	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".	1960	Photo not legible at this scale
46	153.028 - 27.499 Decimal Degrees	Lot 2 RP80769	Within study corridor	Possible Notifiable Activity "landfill". Land use identified from the BCC 1965 Land Use Plan as "disused bricks"	1960	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
47	153.028 - 27.499 Decimal Degrees	Lot 1 RP68022	Within study corridor	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1960	
49	153.023 - 27.510 Decimal Degrees	Lot 11 RP220792	Within study corridor	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1960	
50	153.019 - 27.514 Decimal Degrees	Lots 2-4 RP60057	Within study corridor	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and depot".	1960	
51	153.016 - 27.518 Decimal Degrees	Lot 1 SP206931	Within study corridor	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor mechanic".	1960	Photo not legible at this scale
52	153.012 - 27.527 Decimal Degrees	Lots 1-10 SP197385, Lots 10-12 RP121383, Lots 4-7 RP114498	Within study corridor	Possible Notifiable Activity "Landfill". Land use identified from the BCC 1965 Land Use Plan as "Thiess Bros". Significant disturbance on the surface of the site may indicate that land filling activities have occurred.	1960	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
53	153.014 - 27.533 Decimal Degrees	Lots 72-79 RP37616, Lot 1 RP37617, Lot 31 RP133151, Lot 1 RP131713, Lots 33-34 SP211322	Within study corridor	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber yard and sawmill".	1960	
54	153.011 - 27.541 Decimal Degrees	Lots 0-4 BUP106842	Within study corridor	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1960	Photo not legible at this scale
56	153.009 - 27.541 Decimal Degrees	Lot 3 RP121339, Lot 2 SP149452	Within study corridor	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber mill/timber yard". Part of the property is already listed on the EMR for the Notifiable Activity "petroleum product or oil storage".	1960	
57	153.010 - 27.542 Decimal Degrees	Lot 714 SL3928	Within study corridor	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber yard".	1960	Photo not legible at this scale
58	153.016 - 27.547 Decimal Degrees	Lot 5 RP167929, Lot 1 SL4799	Within study corridor	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber yard".	1960	Photo not legible at this scale
59	153.018 - 27.546 Decimal Degrees	Lots 1-2 RP63875, Lots 1-2 RP148372, Lot 1237 SL7944	Within study corridor	Possible Notifiable Activity "asbestos manufacture or disposal". Land use identified from the BCC 1965 Land Use Plan as "fibrous plaster works".	1970-1972	Photo not legible at this scale
177	153.026 - 27.499 Decimal Degrees	Lot 217 M31122, Lot 526 B3382	Within study corridor	Possible Notifiable Activity "hazardous contaminant". Cemetery present since before 1946. Potential for low level contamination of groundwater from nitrate, ammonia, bacteria and a range of inorganic substances.	pre 1946 - present	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
60	153.023 - 27.538 Decimal Degrees	Lot 594 SP118821	Outside study corridor but within study area	Possible Notifiable Activity "landfill". Site adjacent EMR listed landfill to the south (Lot 1 SL2069). Historical aerial photo (1970s) indicates very similar ground cover conditions (possibly post restoration) to the adjacent landfill. Site never subsequently developed.	1970s	
61	153.031 - 27.564 Decimal Degrees	Lot 4 RP72089	Outside study corridor but within study area	Possible Notifiable Activity "landfill" or EMR listing for "hazardous contaminants". Filled creek bed. Source of fill is unknown and may have come from uncertified sources or refuse materials.	2001	
63	153.029 - 27.458 Decimal Degrees	Lots 3-5 SL12666, Lot 17 B32305	Outside study corridor but within study area	Possible Notifiable Activity "landfill". Land use has not changed significantly over time and remains vacant. The site does not correspond with any landfill records provided by BCC as part of this investigation.	1946	
					2001	




Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
64	153.036, - 27.416 Decimal Degrees	Lot 25 on RP841248 (formerly Lots 2 and 3 on RP45943)	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage" or "service station". Land use identified as former service station and mechanical workshop by the Airport Link EIS (SKM 2006). According to the Airport Link EIS, historical BCC building records indicate that the site operated as a service station and motor vehicle workshop from 1932 until the late 1980's. The property has since been acquired by BCC for redevelopment to Lutwyche Road. An investigation undertaken by OTEK in 1994 which was reviewed as part of the Airport Link EIS indicated that the properties contained concentrations of hydrocarbons, Benzene, Toluene, Ethyl benzene, Xylenes and Lead at concentrations above the (then) EPA Investigation Criteria. Asbestos was also identified in soil at the property.	1960	Photo not legible at this scale
					1994	
65	153.032 - 27.428 Decimal Degrees	Lot 882 on SL8070	Outside study corridor but within study area	Possible Notifiable Activity "landfill" or EMR listing for "hazardous contaminants". Over the period of the aerial photography review, the property appears to have continual significant disturbance of the majority of the ground surface, which may indicate that the property has been used as a landfill or quarried. The property does not correspond to any known landfill records provided by BCC as part of this investigation. The property appears to have been redeveloped by the 1994 imagery, which suggests that the property is now open space, possibly public parklands.	2007	
					1950	
					1960	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
67	153.030 - 27.445 Decimal Degrees	Lot 1 on SP193899, Lot 1 on RP152622, Lot 11 SP193900, Lot 2 SP193900	Outside study corridor but within study area	Possible Notifiable Activity "scrap yards". In the 1946 aerial imagery, the surface of the property appears to be covered by stockpiled tyres or scrap metal. According to the Northern Link EIS (SKM 2008), two rows of scrap tyres or metal are evident in the 1955 aerial imagery. The property was redeveloped for a more commercial/industrial land use by the 1970s aerial photography.	1983	
					2001	
					1946	
					1970-72	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
68	153.033 - 27.453 Decimal Degrees	Lot 35-37 SP196756	Outside study corridor but within study area	Possible Notifiable Activity "service stations". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1974	
69	153.032 - 27.455 Decimal Degrees	Lot 1 RP231109	Outside study corridor but within study area	Possible Notifiable Activity "service stations". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
70	153.028 - 27.455 Decimal Degrees	Lot 4 RP206795	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
71	153.029 - 27.453 Decimal Degrees	Lots 1 and 5 RP81335	Outside study corridor but within study area	Possible Notifiable Activity "scrap yards". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
72	153.031 - 27.456 Decimal Degrees	Lot 1 RP44192	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
73	153.013 - 27.453 Decimal Degrees	Lot 13 SP186853	Outside study corridor but within study area	Possible "landfill" This site abuts Lot 556 SP133445 to the west which is listed on the EMR as a landfill. 2005 site cleared used as construction laydown/ car park area. 1994 and 1987 site and Lot 556 open parkland. In 1960 and 1940 the site together with Lot 556 has disturbed areas throughout indicating that the site is operating as a landfill. BCC contacted as part of the Northern Link EIS records show the site was listed on the EMR for "landfill" in 1994. Site Management Plan/Remediation Plan was approved for the site in March 2006, with the site remediated and removed from the EMR in August 2006.	1960	
75	153.003 - 27.460 Decimal Degrees	Lot 21 RP202680	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during Northern Link EIS (SKM 2008). In 1980 the site looked to resemble a service station and in 1978, 1977, 1969 and 1960 the site had a commercial/industrial land use. Part of lot identified as "industrial" on 1965 BCC plan.	1969	
76	153.003 - 27.473 Decimal Degrees	Lots 1-5 RP883055	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage". Site identified during historical aerial photo review conducted during Northern Link EIS (SKM 2008). This site abuts Lot 6 on SP135242 that is listed on the EMR as a service station. The land was vacant in 1951 but has been increasingly developed in occupancy of what appears to be commercial/light industrial use. Few changes in configuration have been made since 1969.	1969	


Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
77	153.004 - 27.473 Decimal Degrees	Lot 1 RP211215, Lot 1 RP139280	Outside study corridor but within study area	Possible Notifiable Activity "landfill" or EMR listing for "hazardous contaminants". Site identified during historical aerial photo review conducted during Northern Link EIS (SKM 2008). This site abutts Lot 6 on SP135242, which is listed on the EMR as a service station. The south west boundary also abutts a substantial stormwater drain that has been in existence since the early 1960's. The land was vacant in 1951 but has been increasingly developed in occupancy of what appears to be commercial/light industrial use. Few changes in configuration have been made since 1969. Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "carrier depot and garage".	1951	
					1960	
79	153.039 - 27.456 Decimal Degrees	Lot 1 SP120359	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage" or "engine reconditioning works". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Site has possibly: <ul style="list-style-type: none"> - been notified to DERM and subsequently removed from the EMR/CLR; or - been notified to DERM, however DERM has not listed the site on the EMR/CLR. Clarification on the status of the site with DERM will be required. Part of site identified as "industrial" on 1965 BCC plan.	1961	
81	153.039 - 27.453 Decimal Degrees	SP161323, SP148169, SP148170, SP163659, SP148169, SP172654, SP163619, SP161323	Outside study corridor but within study area.	Possible Notifiable Activity "coal gas works". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC advised (13/7/04) that this site has been remediated and removed from the DERM EMR/CLR. Site marked on 1965 BCC plan as "gas holder" and "BCC tram depot"	1961	



Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
82	153.039 - 27.452 Decimal Degrees	Lot 100 SP193954	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage" or "engine reconditioning works". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC advised (13/7/04) that this site has been remediated and removed from the DERM EMR/CLR. Property area marked on 1965 BCC plan as part of "BCC tram depot"	1974	
83	153.036 - 27.46 Decimal Degrees	Lot 0 BUP106504	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Site has possibly: - been notified to DERM and subsequently removed from the EMR/CLR; or - been notified to DERM, however DERM has not listed the site on the EMR/CLR. Clarification on the status of the site with DERM will be required.	1961	
84	153.032 - 27.459 Decimal Degrees	Lot 1 RP9481	Outside study corridor but within study area	Possible Notifiable Activity "scrap yard". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	


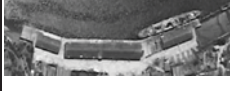
Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
85	153.031 - 27.459 Decimal Degrees	Lots D and E RP852856, Lots 52 and 54 RP47036	Outside study corridor but within study area	<p>Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Site has possibly:</p> <ul style="list-style-type: none"> - been notified to DERM and subsequently removed from the EMR/CLR; or - been notified to DERM, however DERM has not listed the site on the EMR/CLR. <p>Clarification on the status of the site with DERM will be required. Site formerly stored distillate (diesel) in 1 X 25,000L underground storage tank.</p>	1961	
86	153.037 - 27.47 Decimal Degrees	Lot 0 SP154872	Outside study corridor but within study area	<p>Possible Notifiable Activity "wood treatment and preservation" or "foundry operations" or "engine reconditioning works". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC commented that their records showed Lot 10 on SP130737 listed on the EMR for printing. Clarification on the status of the remaining properties with DERM will be required. Property area marked on 1965 BCC plan as "engineering"</p>	1951	
87	153.036 - 27.475 Decimal Degrees	Lot 1 RP88727, Lots 108-109 RP868472, Lots 18-19 RP868472	Outside study corridor but within study area	<p>Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Site has possibly:- been notified to DERM and subsequently removed from the EMR/CLR; or- been notified to DERM, however DERM has not listed the site on the EMR/CLR. Clarification on the status of the site with DERM will be required.</p>	1961	
88	153.041 - 27.479 Decimal Degrees	Lot 0 SP148578	Outside study corridor but within study area	<p>Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC records indicated that notice of removal of land from EMR was dated 19/12/2001. Site was former service station and has since been remediated.</p>	1961	





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
					1974	
89	153.042 - 27.479 Decimal Degrees	Lot 0 SP215092	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). Site was identified from the BCC 1965 Land Use Plan mapping.	1960	Photo not legible at this scale.
91	153.038 - 27.483 Decimal Degrees	Lot 91 RP863661, Lot 2 SP181711	Outside study corridor but within study area	Possible Notifiable Activity "scrap yards". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
92	153.039 - 27.485 Decimal Degrees	Lot 85 on RP11335, Lot 345 on RP227507	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
93	153.038 - 27.488 Decimal Degrees	Lot 3 BUP9537	Outside study corridor but within study area	Possible Notifiable Activity "scrap yards". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	


Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
94	153.039 - 27.489 Decimal Degrees	Lot 1 on RP42211	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site. Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1961	
95	153.04 - 27.49 Decimal Degrees	Lot 1 BUP9750	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
96	153.028 - 27.489 Decimal Degrees	Lot 10 on RP211687	Outside study corridor but within study area	Possible Notifiable Activity "Wood Treatment and Preservation". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC confirmed they had no record of the site.	1961	
97	153.028 - 27.489 Decimal Degrees	Lot 1 RP84528	Outside study corridor but within study area	Possible Notifiable Activity "service station". Site identified during historical aerial photo review conducted during NSBT EIS (SKM 2004). When asked regarding any documented history as part of NSBT, BCC indicated that their records showed site was licensed under <i>The Flammable and Combustible Liquids Regulations 1990</i> . An inspection on 14 July 1994 revealed that premises no longer operated as a service station. Two underground storage tanks and dispensing pumps had been removed. The license was cancelled 21 July 1994. The former service station contained a 1 x 27,300L underground tank for motor spirits (petrol). Clarification on the status of the site with DERM will be required.	1961	


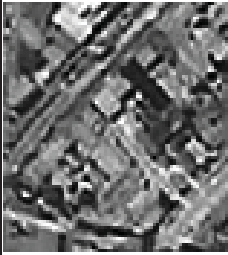

Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
98	153.035 - 27.419 Decimal Degrees	BUP11203, BUP2608	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor mechanics". Land use cannot be confirmed due to poor image quality.	1970-1972	Photo not legible at this scale
99	153.035 - 27.420 Decimal Degrees	Lots 42-43 RP19344	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "body works". Land use cannot be confirmed due to poor image quality.	1970-1972	Photo not legible at this scale
100	153.046 - 27.428 Decimal Degrees	Lot 20 SP134912	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor mechanic".	1960	
101	153.047 - 27.427 Decimal Degrees	Lot 1 RP53519	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "Marsden Mill".	1960	Photo not legible at this scale
102	153.044 - 27.434 Decimal Degrees	Lots 38-41 RP18372	Outside study corridor but within study area	Possible Notifiable Activity "drum conditioning or recycling". Land use identified from the BCC 1965 Land Use Plan as "Drum Store". Potential for leaks and spills associated with chemical storage.	1960	Photo not legible at this scale
103	153.033 - 27.429 Decimal Degrees	Lot 4 RP41407, Lot 3 RP18983	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor engineer".	1960	Photo not legible at this scale
104	153.031 - 27.433 Decimal Degrees	Lots 1048 and 1050 SL4861, Lots 3-4 RP18451	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor body sprayer/refrigeration/motor engineer".	1960	Photo not legible at this scale
105	153.032 - 27.424 Decimal Degrees	Lots 1-5 SP140927	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor engineer".	1960	Photo not legible at this scale
106	153.031 - 27.432 Decimal Degrees	Lot 27 RP80006	Outside study corridor but within study area	Possible Notifiable Activity "service station". Land use identified from the BCC 1965 Land Use Plan as "service station". Land use cannot be confirmed due to poor image quality.	1960	Photo not legible at this scale



Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
107	153.025 - 27.437 Decimal Degrees	Lots 5 RP805240, Lots 0-8 BUP10328, Lot 5 RP172278, Lot 4 RP187268, Lots 1-3 RP58445, BUP8919, Lot 1 SP146479	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "Brett and Co Sawmill".	1960	
108	153.026 - 27.442 Decimal Degrees	Lots 383-407 RP18524	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage". Land use identified from the BCC 1965 Land Use Plan as "BCC depot". Fuel possibly stored onsite.	1960	
109	153.029 - 27.443 Decimal Degrees	Lots 1-2 RP155360, Lots 53 and 55-56 and 67 RP80002, Lots 55-56 RP18524, Lot 1 RP155421	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "sawmill and timber yard".	1960	Photo not legible at this scale
110	153.031 - 27.438 Decimal Degrees	Lots 1 and 100 RP188583	Outside study corridor but within study area	Possible Notifiable Activity "service station" or "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1960	Photo not legible at this scale




Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
111	153.027 - 27.444 Decimal Degrees	Lots 83 and 85 RP9846	Outside study corridor but within study area	Possible Notifiable Activity "foundry works" or "metal treatment or coating". Land use identified from the BCC 1965 Land Use Plan as "plating workshop and foundry".	1960	
112	153.042-27.442 Decimal Degrees	Lot 1 RP137118, Lot 2 RP211207, Lot 24 RP9382, Lots 0-2 GTP1501, Lots 1-2 RP181402	Outside study corridor but within study area	Possible Notifiable Activity "chemical storage". Land use identified from the BCC 1965 Land Use Plan as "J Kitchen Soap Works".	1960	
113	153.045-27.440 Decimal Degrees	Lot 1 RP194245	Outside study corridor but within study area	Possible Notifiable Activity "service station" or "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".	1960	Photo not legible at this scale
114	153.043-27.445 Decimal Degrees	Lots 17-18 RP9348	Outside study corridor but within study area	Possible Notifiable Activity "foundry works". Land use identified from the BCC 1965 Land Use Plan as "brass foundry".	1960	Photo not legible at this scale
115	153.045-27.444 Decimal Degrees	Lot 0 SP101175, Lot 901 SP101176, SP101175, SP101177, SP101179, SP101181, Lots 902-903 SP101178	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage". Land use identified from the BCC 1965 Land Use Plan as "Shell Oil Wharves".	1960	



Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
116	153.042-27.450 Decimal Degrees	Lot D SP163244, Lots J, M, K, E, I, G, H, I, F SP163117, Lots O, 1 and 2 SP179283, Lot 4 SP163347, Lot 7 SP229899	Outside study corridor but within study area	Possible Notifiable Activity "asbestos manufacture or disposal". Land use identified from the BCC 1965 Land Use Plan as "J Hardie and Co".	1960	
117	153.045-27.450 Decimal Degrees	Lot 1 SP229899	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage". Land use identified from the BCC 1965 Land Use Plan as "Vacuum oil depot".	1960	
118	153.043-27.449 Decimal Degrees	Lot 1 SP214235	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "Brown and Broad Sawmill".	1960	
119	153.039-27.448 Decimal Degrees	Lots 6-8 RP10115	Outside study corridor but within study area	Possible Notifiable Activity "paint manufacture or formulation". Land use identified from the BCC 1965 Land Use Plan as "Queensland Paint and Varnish Co".	1960	
120	153.042-27.452 Decimal Degrees	Lots 2 and 3 RP102661, Lots 56 and 60 RP9287	Outside study corridor but within study area	Possible Notifiable Activity "dry cleaning". Land use identified from the BCC 1965 Land Use Plan as "dry cleaners".	1950	Photo not legible at this scale
121	153.038-27.452 Decimal Degrees	Lot 2 SP185367	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor assembly".	1950	Photo not legible at this scale


Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
122	153.012-27.457 Decimal Degrees	Lot 1 RP181929	Outside study corridor but within study area	Possible Notifiable Activity "service station" or "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".	1950	Photo not legible at this scale
123	153.012-27.458 Decimal Degrees	Lot 1 RP805875	Outside study corridor but within study area	Possible Notifiable Activity "service station" or "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".	1950	Photo not legible at this scale
124	153.008-27.464 Decimal Degrees	Lot 5 RP54349	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor mechanic".	1960	Photo not legible at this scale
125	153.036-27.460 Decimal Degrees	MSP106324, Lot 3 MCP106259	Outside study corridor but within study area	Possible Notifiable Activity "petroleum product or oil storage". Land use identified from the BCC 1965 Land Use Plan as "brewery".	1960	
126	153.007-27.467 Decimal Degrees	Lot 1 SP135464	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "International Harvester Co garage".	1950	Photo not legible at this scale
127	153.008-27.467 Decimal Degrees	Lot 2 RP105530	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor mechanic".	1950	Photo not legible at this scale
129	153.008 - 27.476 Decimal Degrees	Lot 0 BUP103492	Outside study corridor but within study area	Possible Notifiable Activity "asbestos manufacture or disposal". Land use identified from the BCC 1965 Land Use Plan as "fibrous plasterer".	1960	Photo not legible at this scale
130	153.008 - 27.476 Decimal Degrees	Lot 1 SP127105	Outside study corridor but within study area	Possible Notifiable Activity "paint manufacture or formulation". Land use identified from the BCC 1965 Land Use Plan as "Spartan Paints".	1960	Photo not legible at this scale

Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
131	153.008 - 27.476 Decimal Degrees	Lots 11-18 RP10779, Lot 16 RP10778, Lots 1-4 BUP106673, Lot 1 RP54411	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber yard".	1950	
132	153.012 - 27.476 Decimal Degrees	Lot 1 RP53570	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".	1950	Photo not legible at this scale
133	153.019 - 27.483 Decimal Degrees	Lot 1 RP117268	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1950	Photo not legible at this scale
134	153.026 - 27.483 Decimal Degrees	Lot 19 RP11633	Outside study corridor but within study area	Possible Notifiable Activity "dry cleaning". Land use identified from the BCC 1965 Land Use Plan as "dry cleaner".	1960	
135	153.039 - 27.481 Decimal Degrees	Lot 19 RP11420	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1960	Photo not legible at this scale
136	153.045 - 27.479 Decimal Degrees	Lot 80 RP11010	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".	1960	Photo not legible at this scale
138	153.039 - 27.490 Decimal Degrees	Lot 0 BUP9750	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "garage".		






Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
139	153.040 - 27.491 Decimal Degrees	Lot 1 RP136244	Outside study corridor but within study area	Possible Notifiable Activity "service station". Land use identified from the BCC 1965 Land Use Plan as "fuel depot".	1960	
140	153.045 - 27.493 Decimal Degrees	Lot 1 RP227678	Outside study corridor but within study area	Possible Notifiable Activity "dry cleaning". Land use identified from the BCC 1965 Land Use Plan as "laundry".	1960	Photo not legible at this scale
141	153.042 - 27.497 Decimal Degrees	Lots 4-6 RP12298	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor engineer". Site has been redeveloped as part of the Eastern Busway Project.	1960	Photo not legible at this scale
142	153.042 - 27.493 Decimal Degrees	Lot 97 and 100 RP11919	Outside study corridor but within study area	Possible Notifiable Activity "foundry works". Land use identified from the BCC 1965 Land Use Plan as "Amo's Foundry".	1960	Photo not legible at this scale
143	153.042 - 27.493 Decimal Degrees	Lot 8 RP11960	Outside study corridor but within study area	Possible Notifiable Activity "foundry works" or "metal treatment or Coating". Land use identified from the BCC 1965 Land Use Plan as "cooperage".	1960	Photo not legible at this scale
144	153.023 - 27.491 Decimal Degrees	Lots 46-47 RP12134	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "sawmill".	1960	



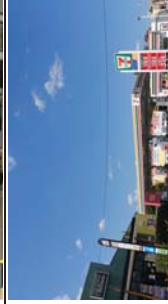
Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
145	153.005 - 27.514 Decimal Degrees	Lots 1-21 RP86941, Lots 22-23 RP87628, Lots 1-14 , 16-21, 24-36 and 101 SP108381, Lot 2 SP153125	Outside study corridor but within study area	Possible Notifiable Activity "defence establishments or training areas" or "explosives production or storage". Land use identified from the BCC 1965 Land Use Plan as "army training depot". Site has since been redeveloped to residential housing.	1960	
146	153.034 - 27.505 Decimal Degrees	Lot 2 SP104871, Lot 71 SP112861, Lots 0 BUP11511, Lot 4 RP75510	Outside study corridor but within study area	Possible Notifiable Activity "asbestos manufacture or disposal". Land use identified from the BCC 1965 Land Use Plan as "fibrous plaster works".	1960	Photo not legible at this scale
147	153.031 - 27.511 Decimal Degrees	Lot 9 RP41661, Lot 8 RP37497	Outside study corridor but within study area	Possible Notifiable Activity "service station". Land use identified from the BCC 1965 Land Use Plan as "service station".	1960	Photo not legible at this scale
148	153.028 - 27.519 Decimal Degrees	Lot 3 RP40875	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station".	1960	
149	153.027 - 27.520 Decimal Degrees	Lot 4 RP37774	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "garage and service station". Site is currently open space.	1960	
150	153.016 - 27.529 Decimal Degrees	Lots 1-2 RP37623	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber yard".	1960	Photo not legible at this scale





Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
151	153.019 - 27.528 Decimal Degrees	Lot 11 RP45568	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "motor trimmers and body works".	1960	Photo not legible at this scale
152	153.024 - 27.533 Decimal Degrees	Lot 73 RP54159	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works" or "service station". Land use identified from the BCC 1965 Land Use Plan as "motor mechanic".	1960	Photo not legible at this scale
153	153.008 - 27.546 Decimal Degrees	Lots 43-44 RP37480	Outside study corridor but within study area	Possible Notifiable Activity "asbestos manufacture or disposal". Land use identified from the BCC 1965 Land Use Plan as "plaster manufacture" and Lot 1 RP149614 as Property also includes area marked as "engineering workshop".	1970-1972	Photo not legible at this scale
154	153.008 - 27.550 Decimal Degrees	Lot 1 RP161546	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "McGrath Motors".	1970-1972	
155	153.039 - 27.559 Decimal Degrees	Lots 10-14 SP170677	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "timber mill and yard".	1960	Photo not legible at this scale
156	153.014- 27.561 Decimal Degrees	Lot 3 SP172150	Outside study corridor but within study area	Possible Notifiable Activity "engine reconditioning works". Land use identified from the BCC 1965 Land Use Plan as "motor works".	1970-1972	Photo not legible at this scale
157	153.035- 27.567 Decimal Degrees	Lot 7 SP129452	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "sawmill".	1970-1972	


Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Year identified	Aerial imagery
158	153.039 - 27.569 Decimal Degrees	Lots 204-205 RP887528, Lot 15 RP225681, Lots 163-167, 168-177 and 180-191 RP896052, Lots 150-162, 192 and 200-203 RP896051, Lot 306 RP896050, Lots 240-243, 255 and 259-273 RP897307, Lots 82-86 SL10956, Lots 11-14 RP225681, Lots 245-250 and 274-279 RP897306, Lots 1 and 8 B31991, Lot 7 RP218807, Lots 232-238 RP897305, Lots 37-49 RP887518, Lots 50-62 RP887517, Lot 61 RP887516	Outside study corridor but within study area	Possible Notifiable Activity "defence establishment or training areas" or "explosives production or storage". Land use identified from the BCC 1965 Land Use Plan as "Defence Department area". The site has since been redeveloped to residential housing.	1960	
159	153.042- 27.562 Decimal Degrees	Lots 61-62 RP38134	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment or preservation". Land use identified from the BCC 1965 Land Use Plan as "sawmill".	1970-1972	Photo not legible at this scale

Appendix C Drive-by survey photographs

Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Drive by date	Photography
160	153.045 - 27.439 Decimal Degrees	Lots 29-30 RP33460	Outside study corridor but within study area	Possible Notifiable Activity "landfill". A layer of fill materials has been identified across the whole property, raising the height of the land relative to the surrounding properties by approximately 0.5 m.	25/08/2010	
161	153.039 - 27.442 Decimal Degrees	Lot 1 RP100415	Within study corridor	Possible Notifiable Activity "service stations". Layout of property indicates that the site may have once operated as a service station. No bowlers or other indicators of petroleum storage were able to be identified in the forecourt area during the drive-by.	25/08/2010	
163	153.041 - 27.481 Decimal Degrees	Lot 59 RP856345	Outside study corridor but within study area	Possible Notifiable Activity "wood treatment and preservation". Property has timber stored in large sheds. It is unclear whether chemical storage of timber treatment chemicals occurs on the property.	27/08/2010	
164	153.011 - 27.472 Decimal Degrees	Lot 2 SP223966	Outside study corridor but within study area	Possible Notifiable Activity "scrap yards". Property appears to be used for storage of recyclable metals and stockpiled glass.	27/08/2010	
165	153.008 - 27.464 Decimal Degrees	Lot 10 RP54349	Outside study corridor but within study area	Possible Notifiable Activity "printing". The type of printing undertaken at the site is not clear.	27/08/2010	

Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Drive by date	Photography
166	153.011 - 27.555 Decimal Degrees	Lot 37 SP203158	Within study corridor	Possible Notifiable Activity "landfill". Topography of the site indicates that stockpiled material was once placed here, raising the height of the land relative to the surrounding properties by a maximum of approximately 2.5 m. The current use of the property is as an easement between roadways.	01/09/2010	
168	153.029 - 27.562 Decimal Degrees	Lots 1-2 and 4 RP72089, Lots 5-6 RP131696, Lots 1-4 RP897094	Within study corridor	Possible Notifiable Activity "landfill". Stockpiled material from different sources has been placed on the property. A subsequent review of current aerial imagery indicated that there is evidence of refuse stored onsite.	01/09/2010	
169	153.033 - 27.570 Decimal Degrees	Lot 91 RP203270	Within Drawdown Area	Possible Notifiable Activity "chemical storage". The property is currently being used as a truck wash and maintenance bay. There is the potential for the use of solvents, degreasers and other detergents to be stored onsite or not be fully captured by interceptors after use.	01/09/2010	
170	153.039 - 27.564 Decimal Degrees	Lot 12 SP128627 & Lot A SP128627	Outside study corridor but within study area	Possible Notifiable Activity "service stations". The property is currently being used as an operational service station.	01/09/2010	
171	153.038 - 27.562 Decimal Degrees	Lot 1 RP909106	Outside study corridor but within study area	Possible Notifiable Activity "landfill". Topography of the site indicates that stockpiled material was once placed here, raising the height of the land relative to the surrounding properties by a maximum of approximately 1.0 m. The property is currently being used as parkland and public open space.	01/09/2010	

Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Drive by date	Photography
172	153.012 - 27.542 Decimal Degrees	N/A (easement)	Within study corridor	Possible Notifiable Activity "landfill". Topography of the site indicates that stockpiled material was once placed here, raising the height of the land relative to the surrounding properties by a maximum of approximately 1.0 m. Material appears to have been used to fill a small watercourse. The current use of the property is as an easement between roadways.	01/09/2010	
173	153.012 - 27.528 Decimal Degrees	Lots 6 and 7 RP114498	Within study corridor	Possible Notifiable Activity "defence establishments or training areas" or "petroleum product or oil storage". There is an aircraft hangar onsite, which may indicate that the property was used during war times for storage or maintenance of planes.	01/09/2010	
174	153.004 - 27.528 Decimal Degrees	Lot 1 RP73725	Outside study corridor but within study area	Possible Notifiable Activity "printing". The type of printing undertaken at the site is not clear.	01/09/2010	
175	153.027 - 27.489 Decimal Degrees	Lot 5 RP119308	Outside study corridor but within study area	Possible Notifiable Activity "dry cleaning". Property consists of shop front, and appears to have laundry facility onsite.	07/09/2010	

Property number	Co-ordinates	Extrapolated property description	Location	Notifiable activity / land use description	Drive by date	Photography
176	153.031 - 27.459 Decimal Degrees	Lot 2 RP170912	Outside study corridor but within study area	Possible Notifiable Activity "service stations". Configuration of the property indicates that this was once a service station. Property currently appears to be vacant.	07/09/2010	

Appendix D BCC dangerous goods licence records

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
67	RP46061	100 Barry Parade, Fortitude Valley	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	
30	RP145982	100 Creek Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP188052	100 Edward Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
14	B31472	102 Evans Road, Salisbury	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Factories and workshops	Large dangerous goods location
2	RP143727	104 Boniface Street, Archerfield	D Category – Underground storage > 200,000 litres	Current	Petroleum product or oil storage	Service station	Large dangerous goods location
24	RP48429	104 Norman Street, Woolloongabba	B Category – Underground storage <= 50,000 litres	Current	Not listed on EMR	Factories and workshops	Large dangerous goods location
4	SP161332	1060 Ipswich Road, Moorooka	B Category – Underground storage <= 50,000 litres	Assessment	Petroleum product or oil storage	Factories and workshops	Dangerous goods location
6	B118221	107 North Quay Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
69	RP18524	108 Lutwyche Road, Windsor	B Category – Underground storage <= 50,000 litres	Current	Not listed on EMR	Other	Large dangerous goods location
1	RP126496	108 Wickham Street, Fortitude Valley	A Category – Generator storage	Assessment	Not listed on EMR	Other	
3	RP8693	11 Eagle Terrace, Brisbane	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Petroleum product or oil storage	Service station	Large dangerous goods location
23	RP11200	11 Gibbon Street, Woolloongabba	F Category – Storage > 10,000 <= 50,000 litres	Assessment	Not listed on EMR	Other	Large dangerous goods location
29	RP814324	113 Granard Road, Rocklea	D Category – Underground storage > 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
1	RP73748	115 Hyde Road, Yeronga	H Category – Storage > 200,000 <= 1 million litres	Current	Paint manufacture or formulation	Other	Large dangerous goods location
5	RP40997	116 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Other	

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
1	RP806390	117 Sherwood Road, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Petroleum product or oil storage	Other	Large dangerous goods location
4	RP48429	118 Logan Road, Woolloongabba	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	
1	RP11933	118 Logan Road, Woolloongabba	B Category – Underground storage <= 50,000 litres	Current	Service stations	Service station	Large dangerous goods location
3	RP18891	119 Milton Road, Milton	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Other	Large dangerous goods location
4	RP173778	12 Creek Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
3	RP633	120 Edward Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
510	B118215	120 Edward Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
21	SL811483	121 Merivale Street, South Brisbane	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Educational facility	Dangerous goods location
30	RP204762	123 Eagle Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
10	RP100794	126 Kingsford Smith Drive, Hamilton	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
1	RP142803	127 Creek Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Other	
5	RP178629	127 Riawena Road, Salisbury	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Petroleum product or oil storage	Warehouse	Large dangerous goods location
12	B118229	129 Margaret Street, Brisbane	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Service station	Dangerous goods location
12	RP883650	129 Orange Grove Road, Coopers Plains	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Other	Large dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
26	RP11200	13 Gibbon Street, Woolloongabba	F Category – Storage > 10,000 <= 50,000 litres	Assessment	Not listed on EMR	Other	Large dangerous goods location
221	RP9348	132 Breakfast Creek Road, Newstead	F Category – Storage > 10,000 <= 50,000 litres	Current	Not listed on EMR	Other	
4	RP221710	133 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
10	RP73327	137 Montague Road, South Brisbane	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Commercial building	Large dangerous goods location
1	RP203550	137 Wickham Terrace, Spring Hill	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
1	RP131501	1394 Ipswich Road, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	Large dangerous goods location
835	SP143376	1397 Ipswich Road, Rocklea	F Category – Storage > 10,000 <= 50,000 litres	Assessment	Petroleum product or oil storage	Factories and workshops	Dangerous goods location
44	RP11205	14 Hubert Street, Woolloongabba	F Category – Storage > 10,000 <= 50,000 litres	Assessment	Not listed on EMR	Other	Large dangerous goods location
1	SP117698	143 Riawena Road, Salisbury	D Category – Underground storage > 200,000 litres	Current	Not listed on EMR	Service station	Large dangerous goods location
3	RP209571	144 Edward Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Other	
1	RP905881	145 Eagle Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
2	RP217957	1450 Ipswich Road, Rocklea	B Category – Underground storage <= 50,000 litres	Current	Drum reconditioning *** or recycling petroleum product or oil storage	Other	
935	SL7479	1466 Ipswich Road, Rocklea	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Other	Dangerous goods location
1	RP223672	1477 Ipswich Road, Rocklea	I Category – Storage > 1 million <= 50 million litres	Current	Paint manufacture or formulation	Factories and workshops	Large dangerous goods location
341	SP160394	149 Victoria Park Road, Kelvin Grove	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Educational facility	Dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
10	RP136779	15 Shoebury Street, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Petroleum product or oil storage	Factories and workshops	Dangerous goods location
17	RP74928	150 Boniface Street, Archerfield	H Category – Storage > 200,000 <= 1 million litres	Current	Petroleum product or oil storage	Other	
1	RP189286	150 Charlotte Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
12	RP20407	150 Kelvin Grove Road, Kelvin Grove	B Category – Underground storage <= 50,000 litres	Assessment	#N/a	Other	
2	RP152576	152 Wharf Street, Spring Hill	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
4	RP52501	153 Musgrave Road, Red Hill	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
8	RP222829	1537 Ipswich Road, Rocklea	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Other	Dangerous goods location
34	SP100560	159 Roma Street, Brisbane	G Category – Storage > 50,000 <= 200,000 litres	Current	Railway yards	Other	
48	RP11205	16 Hubert Street, Woolloongabba	F Category – Storage > 10,000 <= 50,000 litres	Assessment	Not listed on EMR	Other	Large dangerous goods location
12	RP128676	160 Ann Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP626	160 Mary Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	SP157241	163 Ann Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
2	RP905881	167 Eagle Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
24	RP18381	169 Sandgate Road, Albion	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage	Other	Large dangerous goods location
1	RP158641	17 Curzon Street, Tennyson	E Category – Storage <= 10,000 litres	Current	Pharmaceutical manufacture	Factories and workshops	Large dangerous goods location
32	RP11200	17 Gibbon Street, Woolloongabba	F Category – Storage > 10,000 <= 50,000 litres	Assessment	Not listed on EMR	Other	Large dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
2	RP125130	170 Beatty Road, Archerfield	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Factories and workshops	Dangerous goods location
1	RP125561	174 Logan Road, Woolloongabba	E Category – Storage <= 10,000 litres	Assessment	Petroleum product or oil storage	Other	
1	RP884140	174 Lutwyche Road, Windsor	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Service station	Large dangerous goods location
3	SP141856	175 Eagle Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
22	RP182994	18 Shoebury Street, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Petroleum product or oil storage	Warehouse	Large dangerous goods location
5	RP212124	180 Fairfield Road, Fairfield	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
35	SL805565	185 Milton Road, Milton	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage	Other	Large dangerous goods location
510	SP151163	189 Grey Street, South Brisbane	A Category – Generator storage	Assessment	Not listed on EMR	Commercial building	Dangerous goods location
40	RP817615	197 Mary Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	SP134044	197 Queen Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
35	RP10790	1a Mollison Street, South Brisbane	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Factories and workshops	Large dangerous goods location
651	SP141435	2 George Street, Brisbane	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage/ hazardous contaminant	Commercial building	Large dangerous goods location
11	CP864467	2 Goodwin Street, Kangaroo Point	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
1	RP172274	2 Roma Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP102661	20 Commercial Road, Newstead	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
1	SP107652	20 Cornwall Street, Woolloongabba	Design Requirements – Flammable and combustible liquids	Assessment	Not listed on EMR	Educational facility	Large dangerous goods location
1	RP47800	200 Annerley Road, Dutton Park	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
9	RP196746	200 Mary Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
16	RP48712	201 Abbotsford Road, Bowen Hills	G Category – Storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Service station	Large dangerous goods location
8	RP178809	203 Charlotte Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
492	CP855445	21 Queen Street, Brisbane	A Category – Generator storage	Assessment	Petroleum product or oil storage	Commercial building	Dangerous goods location
10	B11823	210 Queen Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
15	SP126957	211 Boundary Street, Spring Hill	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
31	RP178577	215 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
5	SP115364	217 Turbot Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP117268	22 Gladstone Road, Highgate Hill	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
32	SP156458	226 Queen Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
6	RP143577	23 Bangor Street, Archerfield	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Petroleum product or oil storage	Warehouse	Large dangerous goods location
7	RP804537	23 Leichhardt Street, Spring Hill	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
11	RP845909	230 Abbotsford Road, Bowen Hills	D Category – Underground storage > 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
40	RP134580	234 Brunswick Street, Fortitude Valley	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
2	RP52452	234 Main Street, Kangaroo Point	F Category – Storage > 10,000 <= 50,000 litres	Current	Not listed on EMR	Factories and workshops	Large dangerous goods location
2	RP176879	237 Elizabeth Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
28	RP170279	239 George Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
2	RP182958	240 Margaret Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
5	RP200175	240 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
5	SP128769	240 Sandgate Road, Albion	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage	Other	
1	RP948	241 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
2	RP157971	245 Charlotte Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Large dangerous goods location
2	RP225433	249 Turbot Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
7	SP178933	255 Ann Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
49	RP231249	255 Wickham Terrace, Spring Hill	A Category – Generator storage	Current	Petroleum product or oil storage	Other	
15	RP804987	259 Queen Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
1	RP119919	260 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
11	SP176958	266 George Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
102	SP102966	275 George Street, Brisbane	Design Requirements – Flammable and combustible liquids	Assessment	Not listed on EMR		
21	RP158207	28 Quarry Street, Spring Hill	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
26	SL11452	280 Elizabeth Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
1	RP132189	288 Edward Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
4	RP857048	299 Adelaide Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
5	SP113413	30 Little Cribb Street, Milton	A Category – Generator storage	Current	Hazardous contaminant	Other	Large dangerous goods location
12	B361	30 Makerston Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
21	RP133052	300 Adelaide Street, Brisbane	Design Requirements – Flammable and combustible liquids	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
3	RP211213	300 Ann Street, Brisbane	A Category – Generator storage	Assessment	Petroleum product or oil storage	Commercial building	Dangerous goods location
31	RP173814	300 Elizabeth Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
393	SP149299	301 Vulture Street, South Brisbane	A Category – Generator storage	Current	Not listed on EMR	Hospital	Dangerous goods location
34	RP146754	307 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Other	
1	RP138453	31 Duncan Street, Fortitude Valley	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
10	RP111195	310 Vulture Street, Kangaroo Point	B Category – Underground storage <= 50,000 litres	Current	Not listed on EMR	Other	Large dangerous goods location
5	RP195923	315 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
23	RP146830	315 George Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Large dangerous goods location
15	RP46148	316 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
1	RP77176	32 Dollis Street, Rocklea	F Category – Storage > 10,000 <= 50,000 litres	Current	Not listed on EMR	Other	Large dangerous goods location
31	RP852250	34 Postle Street, Coopers Plains	G Category – Storage > 50,000 <= 200,000 litres	Current	Petroleum product or oil storage	Other	
25	RP216272	340 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Other	
382	SL6788	342 Carmody Road, Street, Lucia	G Category – Storage > 50,000 <= 200,000 litres	Assessment	Hazardous contaminant	Educational facility	Dangerous goods location
382	SL6788	342 Carmody Road, Street, Lucia	A Category – Generator storage	Current	Hazardous contaminant	Other	
13	B32219	343 Albert Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
1	RP106543	345 Beadesert Road, Moorooka	Design Requirements – Flammable and combustible liquids	Current	Service stations	Service station	Large dangerous goods location
1	RP106543	345 Beadesert Road, Moorooka	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
5	RP200298	345 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Other	
1	SP155710	35 Evans Road, Salisbury	H Category – Storage > 200,000 <= 1 million litres	Current	Petroleum product or oil storage	Other	
54	B123416	36 Collingwood Street, Albion	Design Requirements – Flammable and combustible liquids	Current	Not listed on EMR	Factories and workshops	Dangerous goods location
54	B123416	36 Collingwood Street, Albion	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Factories and workshops	Dangerous goods location
86	RP40764	36 Richland Avenue, Coopers Plains	F Category – Storage > 10,000 <= 50,000 litres	Granted – Not Effective	Not listed on EMR	Factories and workshops	Large dangerous goods location
2	RP124155	36 Wickham Terrace, Spring Hill	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
24	RP216272	369 Ann Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
27	RP204754	379 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
2	RP196230	381 Beatty Road, Archerfield	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Service station	Large dangerous goods location
2	RP196230	381 Beatty Road, Archerfield	D Category – Underground storage > 200,000 litres	Current	Not listed on EMR	Other	Large dangerous goods location
703	RP198160	385 Sherwood Road, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Landfill *** service stations	Service station	Large dangerous goods location
2	SP172708	388 George Street, Brisbane	Design Requirements – Flammable and combustible liquids	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
7	B118227	388 Queen Street, Brisbane	A Category – Generator storage	Assessment	Petroleum product or oil storage	Other	Non-dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
2	RP185046	39 Annerley Road, South Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage/ hazardous contaminant	Hospital	Dangerous goods location
2	SL12006	39 Edward Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP140930	398 St Pauls Terrace, Fortitude Valley	B Category – Underground storage <= 50,000 litres	Assessment	Petroleum product or oil storage	Other	
544	SP119375	40 Bowen Bridge Road, Herston	A Category – Generator storage	Assessment	Petroleum product or oil storage	Educational facility	Non-dangerous goods location
1	RP97924	404 Lutwyche Road, Windsor	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
2	RP221700	41 Bridge Street, Fortitude Valley	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Other	
2	SP147208	41 Campbell Street, Bowen Hills	C Category – Underground storage > 50,000 <= 200,000 litres	Assessment	Not listed on EMR	Other	Large dangerous goods location
4	RP213466	410 Ann Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
20	RP187082	42 Bridge Street, Fortitude Valley	B Category – Underground storage <= 50,000 litres	Current	Not listed on EMR	Other	
4	SP151873	428 Sherwood Road, Rocklea	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Warehouse	Dangerous goods location
106	RP846555	44 Barry Parade, Fortitude Valley	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	
1	RP99877	44 Bowen Bridge Road, Herston	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Service station	Large dangerous goods location
1	SL805627	443 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
23	RP223377	444 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
23	RP146760	454 St Pauls Terrace, Fortitude Valley	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location

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14	RP134552	465 Wickham Terrace, Spring Hill	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
2	RP67151	480 Queen Street, Brisbane	A Category – Generator storage	Assessment	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
2	RP67151	480 Queen Street, Brisbane	Design Requirements – Flammable and combustible liquids	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
42	RP37872	485 Beaudesert Road, Moorooka	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Factories and workshops	Large dangerous goods location
1	RP124347	489 Sandgate Road, Albion	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	
1	RP81623	49 Breadwell Street, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Scrap yard	Other	
1	RP144711	49 Lytton Road, East Brisbane	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
5	RP217071	50 McDougall Street, Milton	A Category – Generator storage	Current	Not listed on EMR	Other	Dangerous goods location
1	RP155393	50 Ross Street, Newstead	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Other	
3	RP88472	500 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP34409	503 Sandgate Road, Ascot	B Category – Underground storage <= 50,000 litres	Current	Service stations	Factories and workshops	Dangerous goods location
1	RP110124	503 St Pauls Terrace, Fortitude Valley	Design Requirements – Flammable and combustible liquids	Current	Not listed on EMR	Commercial building	Dangerous goods location
8	RP74928	504 Boundary Road, Archerfield	E Category – Storage <= 10,000 litres	Current	Pest control	Factories and workshops	Dangerous goods location
5	RP103689	509 Sandgate Road, Clayfield	B Category – Underground storage <= 50,000 litres	Current	Service stations	Service station	Large dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
4	RP231662	51 Boniface Street, Archerfield	F Category – Storage > 10,000 <= 50,000 litres	Current	Chemical storage	Other	Large dangerous goods location
80	RP909063	52 Sherwood Road, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
13	SP158918	53 Campbell Street, Bowen Hills	G Category – Storage > 50,000 <= 200,000 litres	Assessment	Petroleum product or oil storage		
12	SP112598	534 Ipswich Road, Annerley	C Category – Underground storage > 50,000 <= 200,000 litres	Assessment	Service stations	Other	Large dangerous goods location
1	RP11636	537 Stanley Street, South Brisbane	A Category – Generator storage	Current	Not listed on EMR	Hospital	Dangerous goods location
13	SP186853	54 Musk Avenue, Kelvin Grove	A Category – Generator storage	Assessment	Not listed on EMR		
46	RP898204	55 Beatty Road, Archerfield	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
3	SL807310	55 Darragh Street, Kangaroo Point	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
2	RP211151	55 Little Edward Street, Spring Hill	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
1	RP159899	563 Fairfield Road, Yeronga	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
2	RP97828	6 McLennan Street, Albion	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Dangerous goods location
50	RP200074	60 Edward Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
25	SP162853	60 Musk Avenue, Kelvin Grove	A Category – Generator storage	Current	Not listed on EMR	Educational facility	Dangerous goods location
1	RP88693	606 Boundary Road, Archerfield	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Factories and workshops	Dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
4	RP9955	62 Campbell Street, Bowen Hills	G Category – Storage > 50,000 <= 200,000 litres	Assessment	Not listed on EMR		
3	RP136755	629 Boundary Road, Archerfield	B Category – Underground storage <= 50,000 litres	Assessment	Petroleum product or oil storage	Other	Large dangerous goods location
3	RP136755	629 Boundary Road, Archerfield	F Category – Storage > 10,000 <= 50,000 litres	Assessment	Petroleum product or oil storage	Warehouse	Dangerous goods location
101	SP102966	64 Adelaide Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
7	RP38011	650 Beaudesert Road, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Factories and workshops	Dangerous goods location
16	RP229111	66 Eagle Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
6	RP9949	68 Campbell Street, Bowen Hills	G Category – Storage > 50,000 <= 200,000 litres	Assessment	Not listed on EMR		
102	SP102966	69 Ann Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
100	RP9281	7 Chester Street, Newstead	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Other	Non-dangerous goods location
1	RP100608	70 Lodge Road, Woolloowin	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
8402	B31442	70 Raynham Street, Salisbury	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Factories and workshops	Large dangerous goods location
2	SP155716	70 Tennyson Memorial Avenue, Yeerongpilly	B Category – Underground storage <= 50,000 litres	Current	Not listed on EMR	Other	Dangerous goods location
3	SP140664	71 Eagle Street, Brisbane	A Category – Generator storage	Current	Not listed on EMR	Commercial building	Dangerous goods location
20	RP892634	73 Ipswich Road, Woolloongabba	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Factories and workshops	Large dangerous goods location
5	RP202845	74 Albert Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
3	SP111345	75 Curzon Street, Tennyson	G Category – Storage > 50,000 <= 200,000 litres	Current	Railway yard	Other	

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
20	RP172270	757 Ann Street, Fortitude Valley	C Category – Underground storage > 50,000 <= 200,000 litres	Assessment	Service stations	Service station	Large dangerous goods location
17	RP43701	768 Boundary Road, Coopers Plains	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage	Factories and workshops	Large dangerous goods location
1	RP183641	77 Railway Parade, Rocklea	I Category – Storage > 1 million <= 50 million litres	Current	Paint manufacture or formulation	Other	
1	RP189597	79 Breadwell Street, Rocklea	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Warehouse	Large dangerous goods location
2	RP168880	79 Logan Road, Woolloongabba	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Service station	Large dangerous goods location
12	CP864467	8 Goodwin Street, Kangaroo Point	B Category – Underground storage <= 50,000 litres	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
100	SP121752	80 McLachlan Street, Fortitude Valley	Design Requirements – Flammable and combustible liquids	Assessment	Not listed on EMR		
29	RP46856	810 Ipswich Road, Annerley	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	Large dangerous goods location
2	RP136992	816 Beaudesert Road, Coopers Plains	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP100687	821 Ann Street, Fortitude Valley	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage	Other	
1	RP158190	839 Beaudesert Road, Coopers Plains	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage	Other	Dangerous goods location
28	SL11589	84 Evans Road, Salisbury	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Factories and workshops	Dangerous goods location
1	RP129681	841 Ipswich Road, Moorooka	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
18	RP209685	85 George Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
40	SP134959	87 Ipswich Road, Woolloongabba	B Category – Underground storage <= 50,000 litres	Current	Petroleum product or oil storage/hazardous contaminant	Commercial building	Dangerous goods location
7	RP11398	87 Shafston Avenue, Kangaroo Point	F Category – Storage > 10,000 <= 50,000 litres	Current	Not listed on EMR	Other	Dangerous goods location
10	RP202493	9 McDonald Road, Windsor	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage	Other	Large dangerous goods location
1	RP147016	90 Ipswich Road, Woolloongabba	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
2	RP9349	91 Breakfast Creek Road, Newstead	F Category – Storage > 10,000 <= 50,000 litres	Current	Not listed on EMR	Commercial building	Non-dangerous goods location
41	RP218420	91 Queen Street, Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Dangerous goods location
1	RP115066	93 Beaudesert Road, Moorooka	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Dangerous goods location
1	RP81166	932 Boundary Road, Coopers Plains	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Other	Large dangerous goods location
600	RP864272	94 Breakfast Creek Road, Newstead	D Category – Underground storage > 200,000 litres	Current	Service stations	Other	
1	RP108374	95 North Quay Brisbane	A Category – Generator storage	Current	Petroleum product or oil storage	Commercial building	Non-dangerous goods location
2	SP118578	951 Ipswich Road, Moorooka	F Category – Storage > 10,000 <= 50,000 litres	Current	Petroleum product or oil storage	Factories and workshops	Large dangerous goods location
1	RP100416	96 Wellington Road, East Brisbane	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location
1	RP129579	99 Juliette Street, Greenslopes	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Service stations	Service station	Large dangerous goods location

Lot number	Plan number	Address	Permit type	Permit status	Listed on EMR as	Activity	Facility type
2	RP136755	999 Beaudesert Road, Coopers Plains	F Category – Storage > 10,000 <= 50,000 litres	Current	Not listed on EMR	Factories and workshops	Large dangerous goods location
1	RP179869	S12, 86 Wilkie Street, Yeerongpilly	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Factories and workshops	Dangerous goods location
2	RP196230	S41, 381 Beatty Road, Archerfield	C Category – Underground storage > 50,000 <= 200,000 litres	Current	Not listed on EMR	Service station	Large dangerous goods location
1	BUP102877	U1, 86 Boyland Avenue, Coopers Plains	E Category – Storage <= 10,000 litres	Current	Petroleum product or oil storage	Other	Large dangerous goods location
1	BUP7413	U1 Boyland Place, 28 Boyland Avenue, Coopers Plains	E Category – Storage <= 10,000 litres	Current	Not listed on EMR	Warehouse	Large dangerous goods location

