# MINING MANAGEMENT PLAN

# Carrara Project -2016

**Operator: TECK AUSTRALIA PTY LTD** - Level 2/35 Ventnor Ave, West Perth, WA, 6005, Australia

**Project Name: CARRARA**

**Reporting Year: 2016**

**Tenure Holder:** Teck Australia Pty Ltd

**Date of submission:** 8th August 2016

## Distribution:

- Department of Resources – Minerals and Energy (Northern Territory)

| | Author | Reviewed by | Approved by |
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| Date | 2nd August 2016 | 8th August 2016 | 8th August 2016 |
| Name | Michael Cawood | Michael Taylor | Michael Taylor |
| Signature | | | |

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# 1 OPERATOR DETAILS

| | |
|---|---|
| | Owner & Operator |
| | Teck Australia Pty Ltd |
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| Key Contact Person | Susan McKay, Senior Mining Consultant M&M Walter Consulting – 08 9381 5866 |
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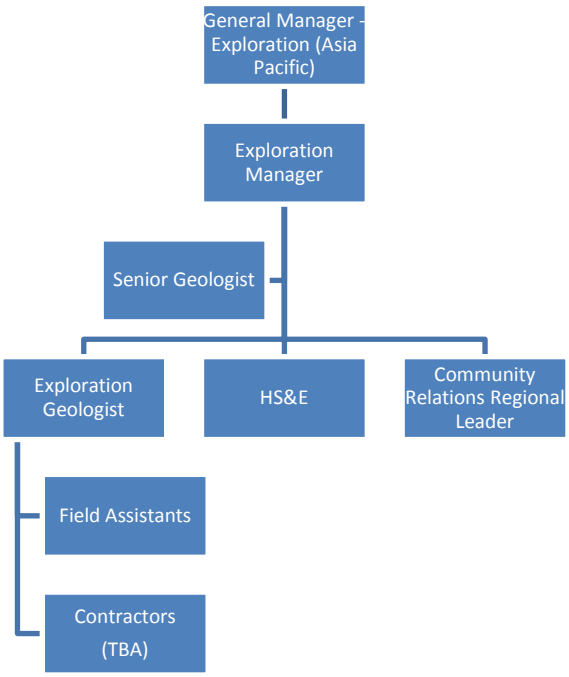
## 1.1 Organisational Structure for Teck Australia



## 1.2 **Workforce**

Teck Australia employs approximately 15 geoscientists. Drilling and geophysical work is typically contracted out with the Teck staff acting as contract managers and having overall responsibility for safety and technical matters during the course of the work. Other work is generally carried out by Teck employees.

Estimated staff requirements for the 2016/17 Carrara field work will comprise one geologist and two field assistants. The contractor drill crew will comprise two drillers and six off-siders working day and night.

# 2 IDENTIFIED STAKEHOLDER AND CONSULTATION

The project is located on Mittiebah Station pastoral lease. An Access Deed (Appendix 5) with the owners, North Australian Pastoral Company Pty Limited, (NAPCO) was signed on the 26th May 2015 and in valid until 31st December 2016. Primary contact is the Station Manager, who is regularly contacted by Teck representatives. As part of the Access Deed, Mittiebah Station is advised of Teck's intentions prior to arrival, and upon departure. This is done either through phone calls, or email. No concerns have been raised by the station manager regarding Teck's activities.

There are no Native Title Claimants over the area. Heritage surveys are coordinated through the NLC

An AAPA certificate (C2015/057) has been issued for all activities except drilling. A heritage survey has been requested through the AAPA to clear the proposed drill and camp sites. No activities will commence without the completion of the survey and the updated AAPA certificate related to drilling at the proposed site.

The tenements are managed through MMWC Group located at Suite 2, 257 York Street, Subiaco, WA, 6008

Teck Resources Australia operates consistently with Teck Limited's (Vancouver) EHSC management standards. Those standards incorporate a systems based approach to Community Relations. Teck's professional development framework incorporates community development training and practice opportunities for staff, many of whom have knowledge of "participatory approaches" to community development.

At the Carrara project, Teck has undertaken high level social screening using various local sources; the Northern Land Council, and local indigenous families. Teck seeks input to project planning from affected members of the community and has established feedback mechanisms to capture and respond to community concerns. Teck supports local community initiatives and capacity building and will seek to promote additional community benefits as the project advances.

Teck Australia instigates routine consultations with the project stakeholders:

- Northern Land Council (NLC)
- Mittiebah Station Pastoral Lease
- Local indigenous families
- Independent anthropologists
- Department of Mines and Energy (NTGS)
- Department of Land Resource Management

# 3 PROJECT DETAILS

## 3.1 Project Name and Location

The Carrara Project is centred approximately 170km NW of Camooweal (Queensland). Access to the field area is via unsealed roads extending NE of Camooweal, passing into the NT at Gallipoli. From Gallipoli, the track continues NW along the Mittiebah Station access road. The work program area falls on the Mittiebah Station pastoral lease. The project area falls on the Mt Drummond 1:250 000 map sheet.

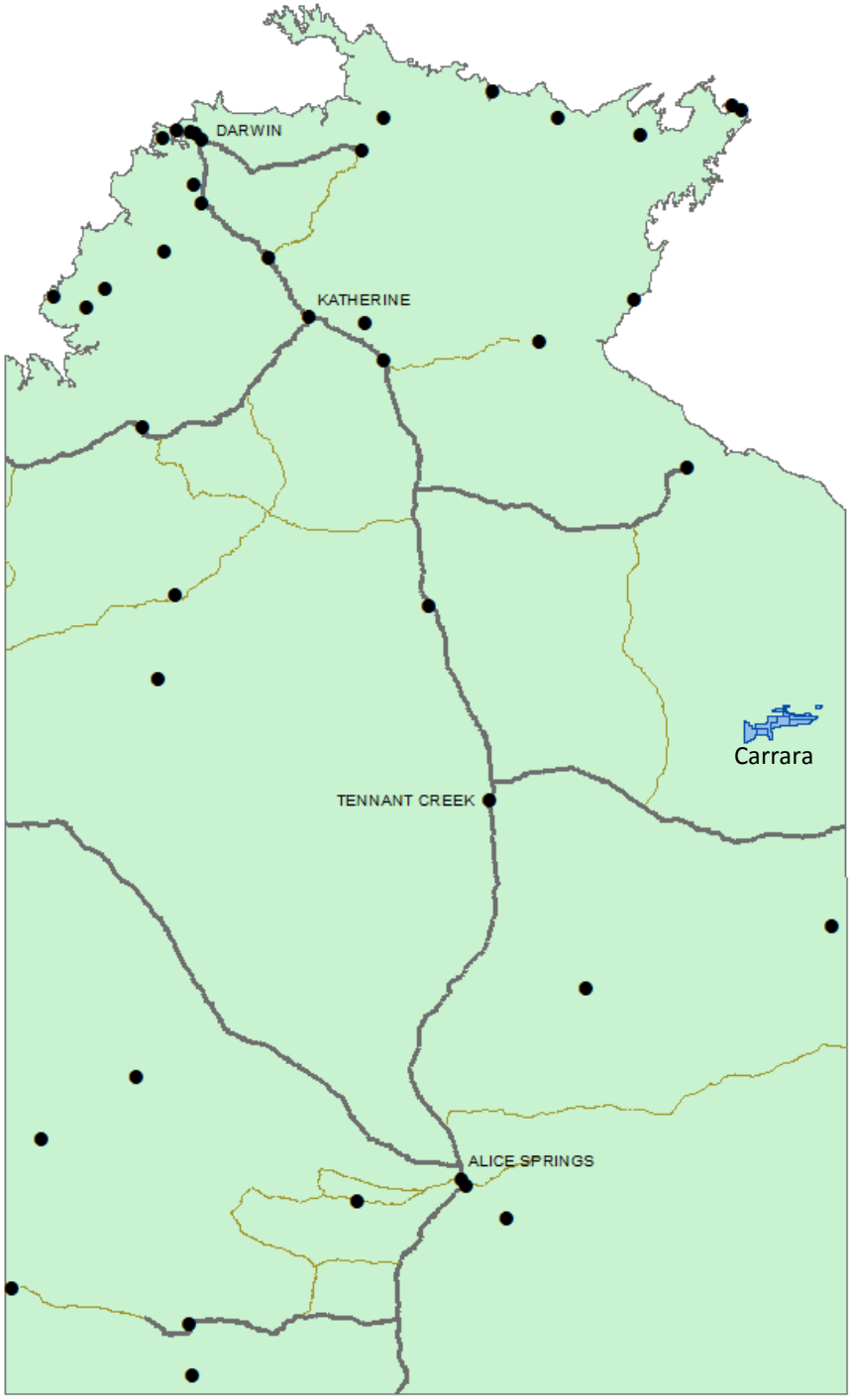



**Figure 1: Location Map.**

## 3.2 Mining Interests

| Title number | Owner | Grant Date | Expiry Date |
|---|---|---|---|
| EL29557 | Teck Australia Pty Ltd | 21-01-2013 | 20-01-2019 |
| EL29559 | Teck Australia Pty Ltd | 21-01-2013 | 20-01-2019 |
| EL29560 | Teck Australia Pty Ltd | 21-01-2013 | 20-01-2019 |
| EL29561 | Teck Australia Pty Ltd | 21-01-2013 | 20-01-2019 |
| EL29793 | Teck Australia Pty Ltd | 30-07-2013 | 29-07-2019 |
| EL29794 | Teck Australia Pty Ltd | 30-17-2013 | 29-07-2019 |
| EL30665 | Teck Australia Pty Ltd | 23-07-2015 | 22-07-2021 |
| EL30816 | Teck Australia Pty Ltd | 23-12-2015 | 22-12-2021 |

**Table 1. Tenements**

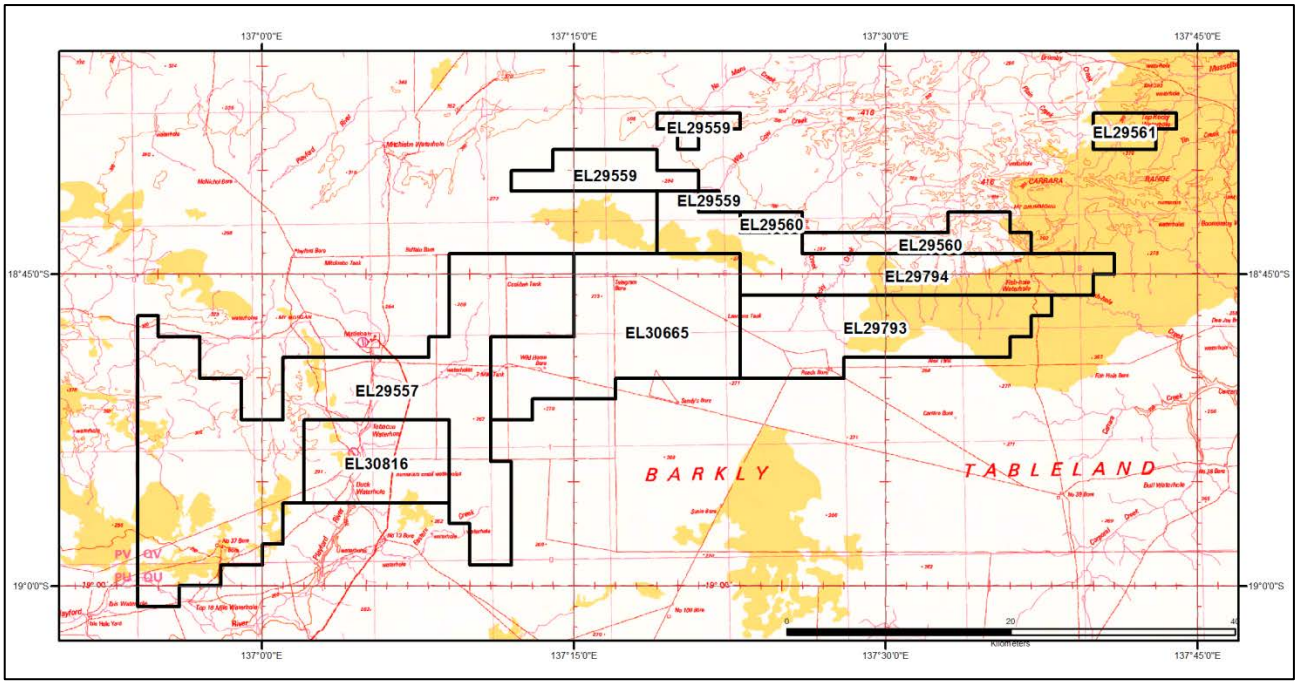



**Figure 2: Tenement Map**

## 3.3 Current Status/Previous Exploration Activities

The Carrara Project has seen limited historic exploration activities, none of which were ground disturbing.

Anglo American focused, in the early 2000's, on the outcropping prospective Proterozoic rocks to the north-east of the project area. Across the Carrara Project, Anglo American completed five EM lines from a total of 31.5 line kilometres. None of these lines were ground disturbing.

In 2015, Teck Australia completed a nine line AMT survey, a 3 line EM survey, and a 2,226 station gravity survey across the Carrara Project. None of these surveys were ground disturbing

## 3.4 Proposed Exploration Activities for 2016

A single diamond drill hole is proposed for late 2016, early 2017 which will be the only surface disturbing activity planned. Details are provided below.

### 3.4.1 Diamond drilling

A single drill hole is proposed to test a geophysical anomaly for Sediment Hosted Massive Sulphide (SHMS) mineralisation identified through previous exploration. Target commodities are zinc, lead and silver. The hole will be drilled utilising the diamond drilling method (HQ/NQ) to a depth of approximately 1,000m. Specific details listed in Table 2

| Hole No. | East | North | Depth | Dip | Period |
|---|---|---|---|---|---|
| Site-1 | | | 1000m | -90 | 4 weeks |

**Table 2. Drill hole details**

The planned hole location is situated near an existing station track on black soil plains. There is no anticipated need to clear any additional access tracks.

Due to the depth of the hole, a blow-out preventer is fitted to the drill rig, even though there is no evidence to suggest gas pockets will be encountered. The rig also has gas monitors to detect any pockets of gas during drilling. If gas is detected, drilling will cease immediately and will only resume once the gas has completely dissipated.

Typically, the drill collar coordinate represents a centre point of an area 30m x 20m in size. This allows for the hole collar to be moved within this area without delay should ground problems be encountered during the drilling program, and include the footprint of down hole geophysical surveys conducted following completion of the holes. The drill hole requires a safe level pre-prepared work area (drill pad) of approximately 30m x 40m in size, free from vegetation and other fire and staking hazards. The soil from the pad is piled at the side of the pad and returned during rehabilitation. The drill pad will be rehabilitated immediately following the drilling program.

Drilling water will be sourced from the Mittiebah Station surface storage supplies (turkeys nest)

Teck will be using a Solid Recovery Unit (SRU) at the drill site to recycle the drill water, thereby reducing the amount of water used during the drilling program. An additional benefit is that only a single sump is required at the drill site for disposal of the cuttings, rather than the three sumps previously used. This greatly reduces the environmental impact and the rehabilitation required at the end of the program. The drill cuttings recovered from the unmineralised cover units are buried in the sump as these cuttings are not acid forming and pose no threat to the environment. The cuttings from the mineralized units are bagged and will be disposed of at an appropriate facility in Mt Isa at the end of the program.

Following completion of the holes all drill sites and sumps will be rehabilitated as per NT Government regulations and requirements.

| Summary of Proposed Activities | |
|---|---|
| **Mining Interests** | EL29557, EL29559, EL29560, EL29561, EL29793, EL29794, EL30665, and EL30816. |
| **What time of the year will exploration occur?** | Drilling – between August 2016 and November 2016 (May 2017 to July 2017) |
| **How long is exploration expected to occur?** | Drilling – 4 weeks |
| **Type of drilling** | Diamond core |
| **Target Commodity** | Zinc, lead, silver |
| **Is drilling likely to encounter radioactive material** | No |
| **Number of proposed drill holes** | 1 |
| **Max. Depth of holes** | 1000m |
| **Number and dimensions of drill pads** | 1 drill pad. Approx ~ 50m x 30m. |
| **Is drilling likely to encounter groundwater** | Yes. Although exploration drilling has not been undertaken in this area before, Mitteibah Station currently sources water from bores to supply surface storage facilities. |
| **Number and dimensions of sumps** | 1 sump – 6m x 3m x 2m |
| **Line length (km) / track clearing (m)** | No tracks cleared. Camp site 50m x 50m (0.25 hectares) |
| **Costeans** | No |
| **Total Bulk samples (l x w x d)** | None |
| **Will topsoil be removed for rehabilitation?** | No |
| **Previous disturbances yet to be rehabilitated (if known)** | None |
| **Total area disturbed (ha)** | 0.75 hectares |
| **Other** | Camp 70m x 70m (0.5 hectares) |

**Table 3. Summary of proposed activities**

### 3.5 Workforce

The Teck exploration team will comprise one geologist and two field assistants. The drill crew will comprise two drillers and six off-siders working day and night

### 3.6 Site Infrastructure and Location

Due to the remote location of the work program area, a temporary field camp will be established. The camp will comprise transportable kitchen/ablution and accommodation facilities (including tents) for up to 12 people. The area selected is open and free of trees or shrubs. An area of 0.5 hectares will need to be cleared on grasses to reduce trip hazards and reduce fire risk.

All washing and toilet facilities are incorporated into the building and connected to an in-ground septic system. The septic system comprises a storage tank connected to an excavated trench filled with rocks suitable for a leach drain, covered by plastic sheeting and capped by sand. The leach drain will be fed by a pipe linking the toilet / shower and kitchen. Upon completion, the pipe will be cut and capped below surface. Once the site has become redundant, the tank, pipe and plastic will be removed and the disturbance rehabilitated.

# 4 CURRENT PROJECT SITE CONDITIONS

| Site Conditions | Description |
|---|---|
| Land Area Type | The tenement area lies at the southern edge of the Murphy Inlier and includes part of the Proterozoic Lawn Hill Platform and overlying South Nicholson Basin succession. The southern portion of the tenement area is covered by the late Neoproterozoic Georgina basin sediments. The Lawn Hill Platform rocks are prospective for zinc-lead Sediment Hosted Massive Sulphide mineralisation.<br><br>The proposed drill and camp area is entirely vertosols (black soil plains) vegetated by tussock grassland – Mitchell grass (*Astrebla squarrosa*). To the north of the drill and camp area, the Carrara Ranges are dominated by open woodlands, primarily *Acacia lysiphloia, Acacia hilliana, Eucalyptus pruinosa* and *Eucalyptus leucaphloia*. Geomorphically, the Ranges are dominated by outcropping and subcropping Proterozoic rocks (sediments) with related recent alluvium. Soil type in the Ranges (where present) is dominated by red sandy soils. The outcropping rocks to the north are separated from the southern plains of the Barkley Tablelands by the Little Range Fault, which is interpreted to be a major inverted growth fault on the southern margin of a Proterozoic basin. |
| Hydrology | The western edge of the tenement area is dominated by the Playford river, flowing to the south. The drill and camp area (20km to the east of the Playford River) is void of surface streams with the nearest surface water existing some 10km to the north flowing south off the Carrara Range. These minor creeks flow intermittently during the wet season.<br><br>Mittiebah Station sources water in the region primarily from bores feeding a turkey's nest. The water quality is not known but is at least sufficient for stock use.<br><br>Mittiebah Station have indicated that drilling and camp water can be sourced from a turkey's nest, the nearest being 4km north of the proposed drill hole. Polypipe would be used to supply the water to the camp and drill rig. An estimated max. 100,000 litres of water would be required for the drill hole (significantly reduced by the use of a sediment recovery unit which recycles water). The camp would require an estimated 55,000 litres for the 4 week duration of the program (9 people on site x 200 litres per day) |
| Flora and Fauna | Climate of the area is tropical with the wet and dry seasons occurring between November to March and April to October respectively.<br><br>The most extensive vegetation is tussock grassland dominated by Mitchell grass (*Astrebla squarrosa).* To the north of the proposed drill and camp area, the Carrara Ranges are primarily open Acacia woodland dominated *Acacia lysiphloia, Acacia hilliana, Eucalyptus pruinosa* and *Eucalyptus leucaphloia*. The more open areas are dominated by Spinifex.<br><br>Investigation of the Northern Territory Natural Resource Management database for this project area is detailed in Appendix 2 and lists the vulnerable and endangered flora and fauna within the region. Fauna within the Reward project includes kangaroos, wallabies, numerous bird species, lizards, and snakes. Feral animals listed as occurring in the area are house mouse, cats, pigs and horses.<br><br>Management of feral fauna, weeds and fire control will be undertaken in conjunction with other regional stakeholders. Notification of located weeds and our fire control measures will be advised to the pastoralist and local authorities. Weed control will be 'prevention first' approach as per the NT Weeds Management Strategy. Introduction of weeds will be prevented by the prior and regular washing of all machinery located from other areas.<br><br>The area is subject to occasional grass fires although these usually occur at the end of the dry season. Some fires are started by lightning, while others may be licensed controlled burn-offs by landowners. |
| Current Land Use | The land on which the proposed work will be carried out wholly comprises the Mittiebah Pastoral Lease upon which normal grazing activities are carried out. The pastoral leasee has been contacted regarding the proposed work to be carried out.<br><br>There are no parks, reserves, communities, town sites or aboriginal land within the boundaries of EL29557, EL29559, EL29560, EL29561, EL29793, EL29794, EL30665, and EL30816. There are no extractive |

| | |
|---|---|
| | mining activities taking place within EL29557, EL29559, EL29560, EL29561, EL29793, EL29794, EL30665, and EL30816. |
| Historical, Aboriginal, Heritage Sites | One AAPA authority certificate (C2015/057) covering the Carrara tenements has been issued (Appendix 3). No Aboriginal heritage or archeological sites have been identified to-date at the proposed drill and camp sites. A further specific clearance will be completed prior to commencement of activities |

# 5 ENVIRONMENTAL MANAGEMENT

## 5.1 Environment Policy and Responsibilities, Statutory Requirements

Teck Australia's exploration activities abide by the corporate wide Code of Sustainable Conduct which is attached in Appendix 1. The Senior Geologist is responsible for ensuring every Teck Australia employee observes this code. All staff are responsible for implementing and conducting sound environmental practices. The company is also bound by the terms of the grant EL29557, EL29559, EL29560, EL29561, EL29793, EL29794, EL30665, and EL30816. Reporting of environmental performance will be undertaken at the completion of the program in the Mine Management Plan renewal submitted to Department of Mines and Energy (DME).

Exploration activities including diamond drilling, will be carried out under the terms of the granted EL29557, EL29559, EL29560, EL29561, EL29793, EL29794, EL30665, and EL30816.

## 5.2 Statutory and Non-Statutory Requirements

Exploration will be conducted in compliance with the conditions of the authorisation and the Northern Territory and Commonwealth Legislation:

- Mining Management Act
- Minerals Title Act and Regulations
- Bushfires Act
- Weeds Management Act
- Aboriginal Sacred Sites Act
- Heritage Act
- Work Health and Safety Act
- Soil Conservation and Land Utilisation Act
- Territory Parks and Wildlife Conservation Act
- Plant Health Act
- Waste Management and Pollution Control Act
- Water Act

An Access Deed is in place with Mittiebah Station, expiring on 31 December 2016.

## 5.3 Induction and Training

All aspects of this Mine Management Plan and Teck Australia's Environmental Plan will be covered by the Senior Geologist during initial and follow-up inductions for all staff and contractors. Particular attention will be paid to environmental issues during the daily "toolbox" environment and safety review. These would include any fuel/oil spills, water discharges etc. Any issues raised during these meetings will be formally noted in the weekly site report and actioned promptly.

Onsite inductions will be undertaken and includes reference to:

- Minimising environmental disturbance;
- Use of vehicles on the site;
- Capping all drill holes;
- Weed control;
- Removal and correct disposal of all rubbish from site;
- Remove sample bags within 6 months or less;
- Rehabilitation of drill sites and access track;
- Responsibilities with regard to avoiding sacred sites and restricted work areas;

- Risk management and safety of all staff and contractors; and
- Incident reporting.

### 5.4 Identification of Environmental Aspects and Impacts

Identification of actual and potential environmental impact is undertaken by an analysis of the task/work to be undertaken. Prior to any field work, Teck Australia conduct comprehensive hazard and environmental impact assessments. These assessments are designed to address site specific conditions, situations, and instigate appropriate mitigation and contingency measures if required. Figure 4 shows the risk matrix used by Teck Australia and in Table 4, the Environmental Aspects and Impacts identified for this project.

**Risk Matrix**

Combined effect of Liklihood / Consequences - Four Levels of Risk

| | | Likelihood | | | | |
|---|---|---|---|---|---|---|
| | | 5. Almost Certain | 4. Likely | 3. Possible | 2. Unlikely | 1. Rare |
| Consequences | A. Catastrophic | Extreme | Extreme | Extreme | High | High |
| | B. Major | Extreme | Extreme | High | High | Moderate |
| | C. Moderate | Extreme | Extreme | High | Moderate | Low |
| | D. Minor | Extreme | High | Moderate | Low | Low |
| | E. Insignificant | High | High | Moderate | Low | Low |

**Figure 3: Risk Matrix used by Teck Australia**

## Environmental Aspects and Impacts

***Use: To assess risks and assign a treatment***

| Risk Id | Date | Aspect | Impact | Risk Rating | Management Measures (prevention) | Management Measures (remediation) | Residual Risk Rating | Acceptable? Y/N |
|---|---|---|---|---|---|---|---|---|
| **1** | 01/06/2016 | Clearing of drill pads / tracks / camp area | Loss of native flora and habitat | Low | As per DoR Clearing and Rehabilitation of Tracks. | As per DoR Clearing and Rehabilitation of Tracks. | Low | Y |
| **2** | 01/06/2016 | Invasive species | Spread of weeds / pests | High | Vehicle inspections prior to vehicles entering site. If required, vehicles will be washed down in Camooweal, or at Teck's field camp.<br>Before leaving site vehicles will be inspected. Due to water shortage at site, no washdown facilities are available. Plant material will be manually removed and vehicles will be washed in Camooweal or at Teck's field camp before leaving the area.<br>All contractor vehicles will be inspected prior to entering site. Records will be kept recording dates that vehicles arrived and were inspected. If required, the vehicles will be washed following the inspection. | If any invasive species are found at site they will be removed and disposed of. | Low-Mod | Y |
| **3** | 01/06/2016 | Driving | Hitting fauna | Low | Restricted driving at night, restricted speed limits, awareness of animal pathways | Remove fauna from roads or tracks | Low | Y |
| **4** | 01/06/2016 | Driving – transport of fuels | Hydrocarbon leak / spill - contamination of soil, surface and ground water | Mod-High | Suitable containers used for transport, have a spill kit available, procedures for disposing used oils | Immediate removal of contaminants and contaminated surface | Low | Y |
| **5** | 01/06/2016 | Fuel Storage | Hydrocarbon leak / spill - contamination of soil, surface and ground water | Mod-Low | All fuels are kept in self-bunded areas, with spill kits located in close proximity to fuels.<br>No fuels to be kept within 25m of water course.<br>For drilling, fuel will be stored in a self-bunded fuel truck.<br>Inspections of the storage areas will be undertaken by the senior Teck staff member present on site. | Immediate removal of contaminants and contaminated surface | Low | Y |
| **6** | 01/06/2016 | Refueling Vehicles | Hydrocarbon leak / spill - contamination of soil, surface and ground water | Mod-Low | All refueling will occur >25m from water courses. Spill kits will be present in case of a spill. | Immediate removal of contaminants and contaminated surface | Low | Y |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **7** | 01/06/2016 | Drilling | Hydrocarbon leak / spill - contamination of soil, surface and ground water | Mod-Low | Drilling to occur >25m from water course.<br>Spill kits will be present in case of a spill. | Clean -up kits, Immediate removal of contaminants and contaminated surface | Mod-Low | Y |
| **8** | 01/06/2016 | Drilling | Dust and noise emission - pollution and disturbance to fauna | Low | Selection of drilling equipment that meets high standards | | Low | Y |
| **9** | 01/06/2016 | Drilling | Sump overflow / spills : pollution and disturbance of flora | Moderate | Suitable Sump size and number | Pump excess water to other sumps to evaporate | Low | Y |
| **10** | 01/06/2016 | Camp site | Grey water discharge : pollution and disturbance of flora | Low | Discharge to shallow evaporitic sump, containment in sump, no discharge into streams | Rehab of sump at end of season. | Low | Y |
| **11** | 01/06/2016 | Camp site | Littering : pollution and disturbance of flora and fauna | Low | All waste will be separated into categories of recyclable, non-recyclable and hydrocarbon, and removed from the site weekly. | Removal of all waste from site. | Low | Y |

**Table 4. Environmental Aspects and Impacts (lists possible incidents and their associated controlling measures)**

With exploration of this nature significant environmental impacts are generally associated with these major activities.

**Risk:** Vehicles.

**Mitigation:** Stay on constructed tracks. If to be driven across country then care should be given to avoiding trees and bushes, and only in grassy areas. Driving at night minimized to avoid animal strikes.

**Risk:** Drilling rigs

**Mitigation:** Always stay on constructed tracks and drill pads.

**Risk:** Clearing with heavy machinery:

**Mitigation:** Track clearing and drill pad construction would follow the protocols outlined in Appendix 4. Rehabilitation of tracks and drill pads would follow the guidelines outlined in Appendix 4. These protocols have been very successful in minimising environment impacts.

**Risk:** Water discharges.

**Mitigation:** Regular checking of pipelines during pumping operations. Adequate sumps available at drill sites should mitigate against unnecessary water erosion.

### 5.5 Environmental Audits, Inspections and Monitoring

No ground disturbing activities have yet been undertaken across the project. An assessment of the area of proposed activities will be undertaken at the commencement, and on completion of the activities. The following audit and inspection activities will take place;

- Surface water: There are no bodies of surface water or ephemeral streams within 10kms of the area of proposed activities.
- Groundwater: Local ground water characteristics are unknown in the area of the hole but over the project area desktop studies have identified water bore data to provide a background. Should a pressurised aquifer be encountered during drilling, the hole will be plugged and sealed with cement above and below the aquifer to prevent the groundwater from reaching the surface. The cap will be inspected upon completion to ensure it is properly sealed. There is no evidence of pressurized aquifers in the area.
- Invasive Species: A desktop study into weed species will be undertaken. During operations equipment will be cleaned prior to arrival to ensure free of invasive weeds. Site inspected by June 2017 to ensure no invasive species introduced. Removal of invasive species if detected.
- Flora and fauna: Sump, drill site and camp rehabilitated on completion of drilling. Site inspected by June 2017 to ensure regrowth of native vegetation. No fauna impacts anticipated.
- Hydrocarbaons and hazardous materials: Any spills to be cleaned up immediately. Site inspected upon completion of drilling to ensure site free of hydrocarbons and hazardous materials.
- Waste: All waste to be removed upon completion of drilling. Site inspected upon completion of drilling to ensure site free waste.
- Noise and air quality: Drill site >20km from nearest populated area. No issues anticipated
- Erosion and sediment control: No erosion anticipated or sediment deposition expected outside of sump. Sediment recovery unit used to capture drilling water. Barren waste material buried in sump and mineralised drill cuttings disposed of in approved facility in Mt Isa. Site inspected by June 2017 to ensure rehabilitation of sump, drill site and camp successful.

### 5.6 Environmental Objectives and Targets

Table 5 presents the environmental objectives and targets that address the site conditions as outlined in the MMP. Teck's primary objective is to ensure the drill pad and camp sites are rehabilitated by the completion of the proposed drill hole. This MMP is for the initial year of ground disturbing exploration, hence previous rehabilitation has not been required.

| Environmental Targets To Be Achieved During The Carrara 2016 Exploration Program | |
|---|---|
| **Objective** | **Responsible Party** |
| No Significant Environmental Issues.<br>(Program Completion) | All Staff And Contractors. |
| Rehabilitation Of drill hole, drill pad, and camp to DRDPIFR Requirements.<br>(Program Completion) | All Staff And Contractors. |
| Statutory Reporting Of Activities.<br>(Program Completion) | Teck Senior Geologist / Project Manager |

**Table 5. Rehabilitation Objectives and Targets**

### 5.7 Emergency Procedures and Incident Reporting

Emergencies of an environmental nature will be dealt with in accordance with Section 5 herein, and also Teck Australia's Environmental Response Plan shown in Figure 5.

In accordance with the Section 29 of the Mining Management Act, a register of all environmental incidents is recorded in a site register. Incidents that are Class 2 and above will be reported to the Chief Executive Officer of the DME in accordance with the procedures set out in the Environmental Incident Reporting Guidelines.

The company's Sustainable Conduct Policy is attached (see Appendix 1). As stated in Section 5.1 the Senior Geologist is responsible for implementation and review/updating of the documentation which is held on site and in the company's head office in Perth.

# Emergency Response Flow Chart

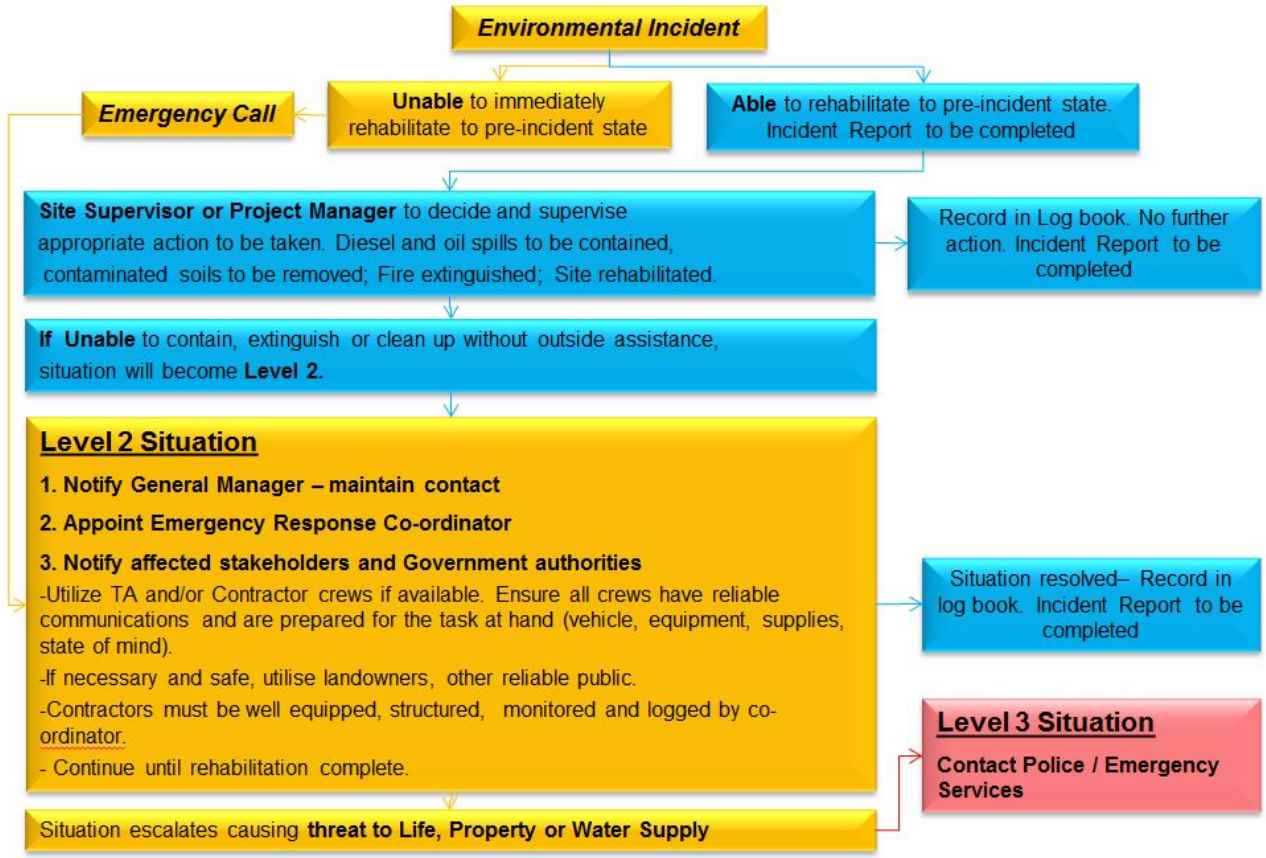



**Figure 4. Flow chart used by Teck Australia showing procedure for dealing with environmental incidents**

# 6 EXPLORATION REHABILITATION

| Disturbance | Rehabilitation Activities | Schedule (Timing) | Closure Objectives / Targets | Monitoring Techniques | Responsible Person |
|---|---|---|---|---|---|
| Drill holes | Peg removed. Collar will remain (capped 400mm below ground level and buried) as hole to be accessible for future exploration activities, such as wireline logging or additional drilling. Any drill spoils to be buried in sump if barren, disposed of in approved disposal area if contaminated | Buried prior to 2016 year end. Collar capped immediately | Revegetation of areas, no subsidence | Site to be visited at start and end of field seasons to ensure hole remains securely capped and buried | Senior Geologist |
| Drill pads | Drill pad will be rehabilitated by end of 2016 field season.<br>Rubbish removed and top soil spread back over pads. | End 2016 | Revegetation of areas, no erosion | Drill pad to be visited at beginning of 2017 to check on rehabilitation status. | Senior Geologist |
| Sumps | Sump will be rehabilitated by end of 2016 field season.<br>Rubbish removed and top soil spread back over site. | End 2016 | Revegetation of areas, no erosion | Sump to be visited at beginning of 2017 to check on rehabilitation status. | Senior Geologist |
| Camp | Camp will be rehabilitated by end of 2016 field season.<br>Rubbish removed and top soil spread back over site. | End 2016 | Revegetation of areas, no erosion | Rehabilitated camp will be visited at the star of 2017 to check on rehabilitation status. | Senior Geologist |
| Sample bags | All bags removed | End 2016 | Area to be rubbish free. | All areas will be inspected before end of 2016 to ensure all rubbish has been removed from site. | Senior Geologist |

## 6.1 **Rehabilitation Methods**

During 2016-2017, one drill hole is planned, requiring a cleared drill site and a separate temporary camp. The drill site and camp will be rehabilitated on completion of the program. The drill hole will be capped and buried, enabling excavation and uncapping if the drill hole requires extending, or down-hole geophysical investigations are required. No tracks will need to be created.

## 6.2 **Closure Planning**

Rehabilitation of the drill pad and camp will be completed at the end of the program by scarifying the compacted areas.

All surface disturbance will be rectified to ensure the land contour was remains as prior to disturbance. Top soil will be spread back over disturbed sites

The drill hole will be capped and buried immediately upon completion.

## 6.3 **Rehabilitation Activities Conducted**

No ground disturbing activities have taken place