



ACN 117 086 745

**SOUTERN PROJECT AREA
TENNANT CREEK, NORTHERN TERRITORY
MINING MANAGEMENT PLAN 2017
AUTHORISATION – 0475-04**

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AMENDMENTS

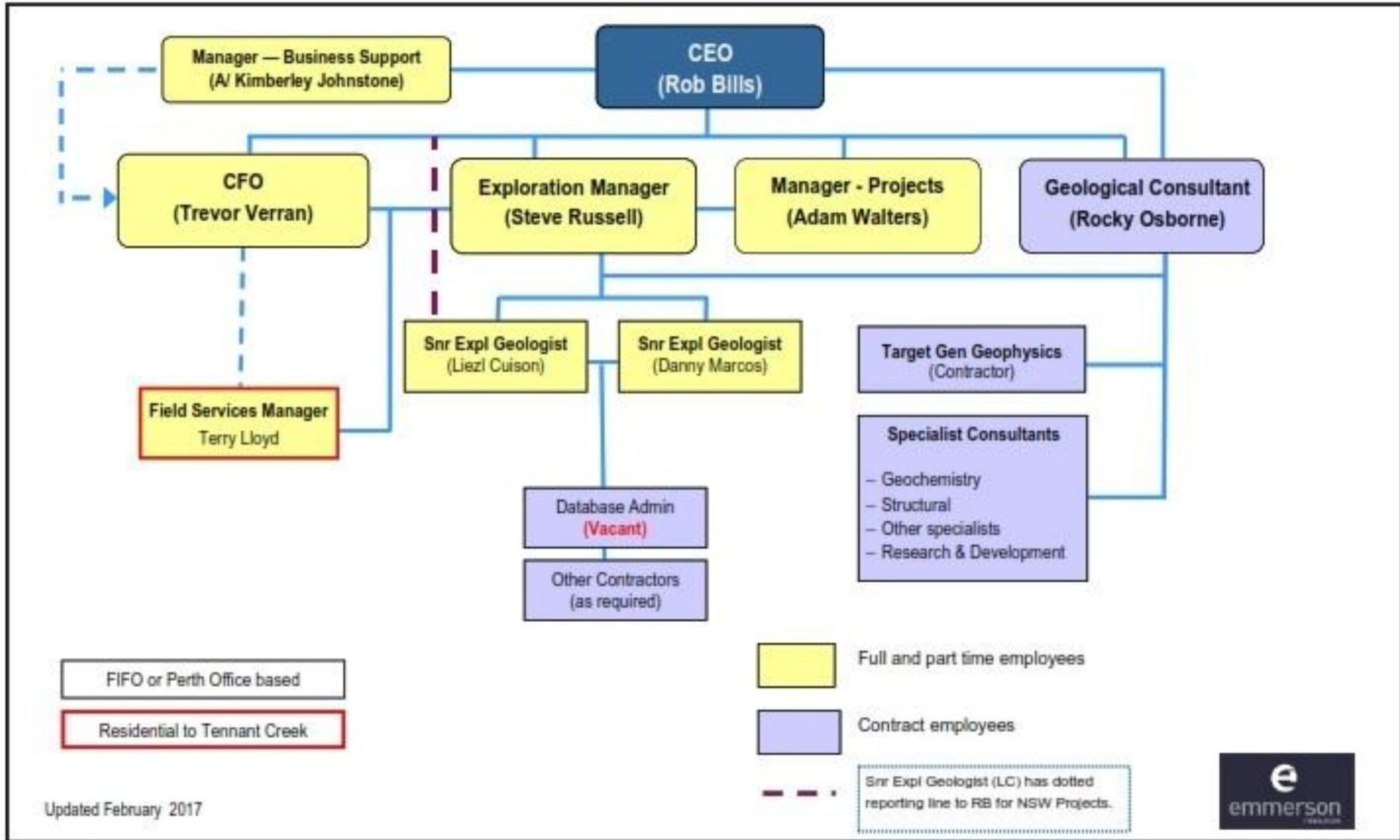
Where possible amendments will be highlighted in yellow

Section	Amendment
General	Updated document structure to better reflect DPIR guideline structure
Section 1.1	Updated Organisational Chart
Section 1.2	Updated geophysical contractor details
Section 2.0	Updated list of stakeholders Inclusion of consultation details
Section 3.1	Updated drilling stats Updated figures 4, 5 & 6 Updated drilling/rehab reconciliation
Section 3.2	Proposed Activities Section updated
Section 4.0	Updated Flora & Fauna section Updated figures 7 & 8
Section 5.7	Updated Environmental Audits & Inspections
Section 5.8	Updated Water Management Updated Biological Management Updated Reporting – DPIR Audit
Section 6.0	Provided additional detail on removal of green sample bags Provided more detail around intersection of aquifers Provided more detail on revegetation methods
Section 6.1	Updated section
Section 6.2	Updated section
All Appendices	Updated

1.0 OPERATOR DETAILS

Operator Name:	Emmerson Resources Ltd (Emmerson)
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1.1 ORGANISATIONAL STRUCTURE / CHART



1.2 WORKFORCE

The workforce on the Southern Project Area (SPA) will vary as needed, and will include, but is not limited too;

-) 1 RC Drill Rig and crew; 3 people (Bullion Drilling)
-) 1 Diamond Drill Rig and crew; 3 people (GMP Drilling)
-) 1 RAB Drill Rig and crew; 3 people (Bullion Drilling)
-) 1 Geophysical crew - 3 – 6 people (Daishsat Geophysics and/or ABIM Solutions)
-) 1 Geologist (Emmerson)
-) 1 or 2 Field Assistants (Emmerson)
-) Visits by supervising staff or consultants

2.0 IDENTIFIED STAKEHOLDERS AND CONSULTATION

Identified parties include:

- Emmerson Resources Ltd, related companies and shareholders
- Evolution Mining Limited
- Evolution Tennant Creek Pty Ltd
- Aboriginal Traditional Owners
- Tennant Creek Station
- Phillip Creek Station
- Central Land Council (CLC)
-) Aboriginal Area Protection Authority (AAPA)
-) NTWorksafe
-) Department of Primary Industry & Resources
-) Department of Environment and Natural Resources
-) Department of Infrastructure, Planning & Logistics
-) Department of Tourism & Culture - Parks and Wildlife Commission
-) Department of Tourism & Culture - Heritage
-) Northern Territory Environmental Protection Authority
-) National Trust NT
- Tennant Creek Town Council
- Power & Water Corporation

Emmerson maintains a high level of communication and consultation with the key stakeholders within the larger group of identified stakeholders, as detailed above. The key stakeholders and Emmerson's consultation is detailed below;

Evolution Mining Limited & Evolution Tennant Creek Pty Ltd (collectively "Evolution") – Emmerson and Joint Venture (JV) partner Evolution have a constant line of communication and consultation based around preparations, planning and approval for proposed exploration programs (the programs subject to this MMP). JV meetings are held generally quarterly, but as required where past exploration is reviewed and forward exploration is proposed and approved, this approved exploration is then subject to updated/renewal MMP's.

Aboriginal Traditional Owners & CLC – Emmerson meet with the Traditional owners many times throughout the year in various forums. Exploration to be conducted in new areas requires a ground clearance/ heritage clearance survey to be conducted. 2 or 3 times a year Emmerson will hold a liaison meeting were all Traditional Owners and facilitated by the CLC, are invited to attend the CLC's office in Tennant Creek where representatives from Emmerson and occasionally Evolution will

present details of completed exploration and proposed exploration, discuss future exploration and potential impacts for their traditional lands, request clearance surveys to be conducted and answer any questions. The most recent liaison meeting was held on Thursday 9 March 2017.

Department of Primary Industry & Resources (DPIR) – Emmerson has a constant line of communication and consultation open with DPIR and occurs on an as needs basis, as well as an annual exploration update, usually occurring at the beginning of each calendar year which outlines results from the previous year's exploration work, and a high level overview of the proposed exploration for the coming calendar year, as well as raising and/or addressing any exploration/titles/compliance issues outstanding.

Tennant Creek & Phillip Creek Pastoral Stations – Emmerson has a constant line of communication open with Tennant Creek & Phillip Creek Pastoral Stations to keep them informed of our activities and how the station and its operations may be affected. Further to this we have also a signed Land Access Agreements, included as Appendix 15 & 16, respectively.

3 PROJECT DETAILS

Authorisation No.	0475-04
Project Name:	Southern Project Area (SPA)
Location:	The Southern Project Area covers a number of tenements located to the south and south west of the Tennant Creek Township, between 2 and 26km in distance. Refer to Figures 1 - 3
Site Access:	Refer to Figure 6
Mining Interest/s:	Refer to Appendix 1
Title holder/s:	Refer to Appendices 3, 5 & 7

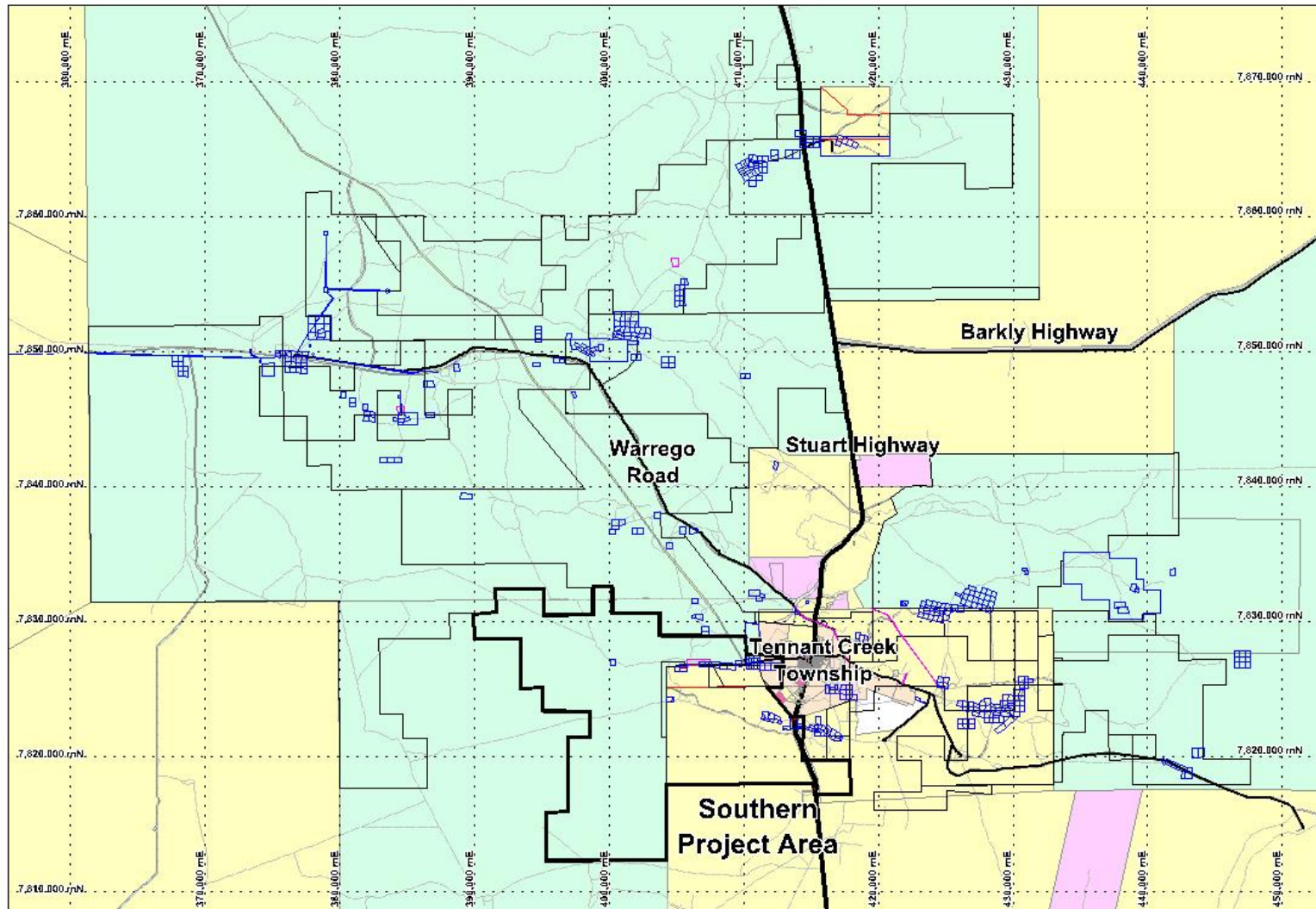


Figure 1: SPA Location

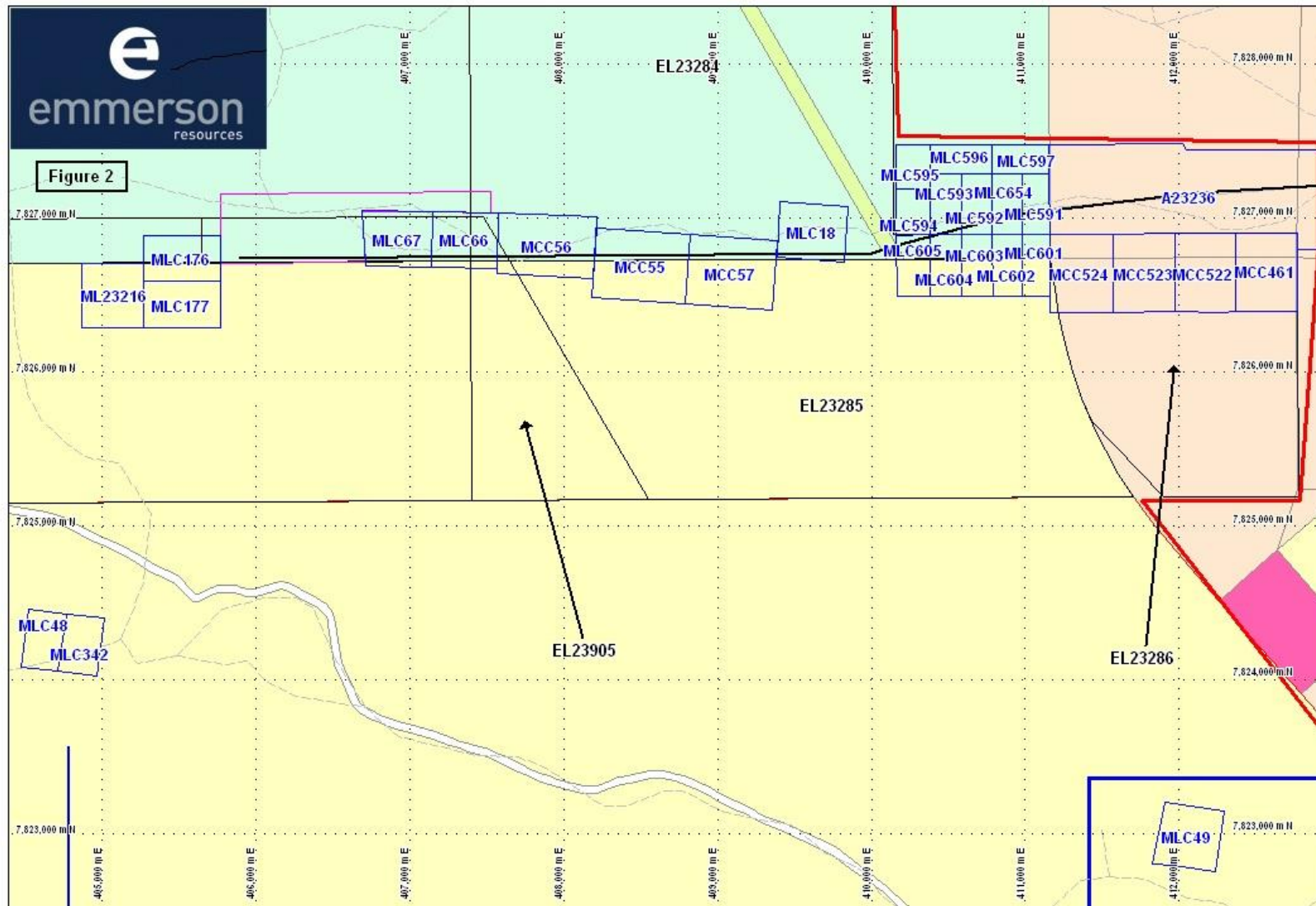


Figure 2: SPA Tenure

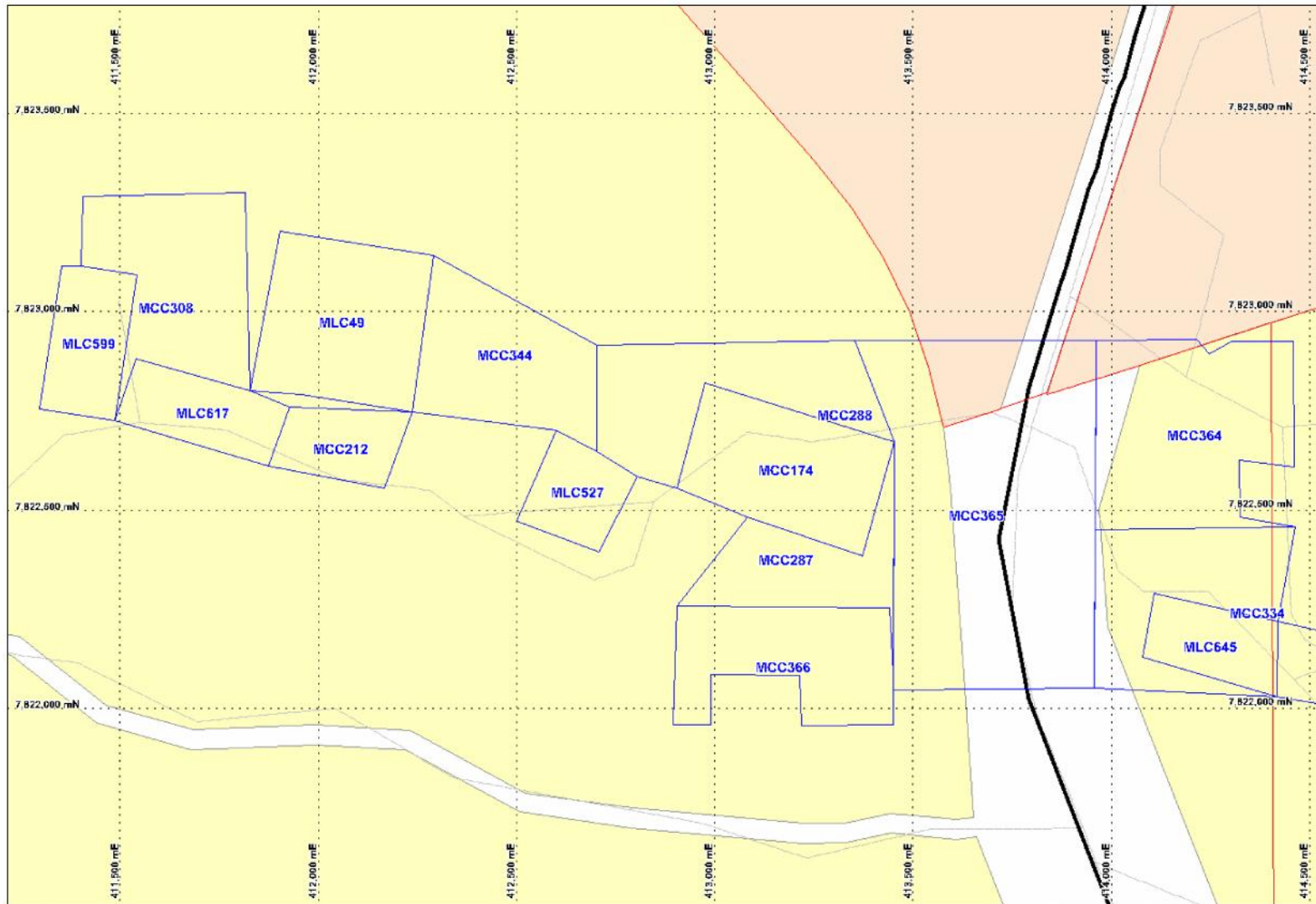


Figure 3: SPA Tenure

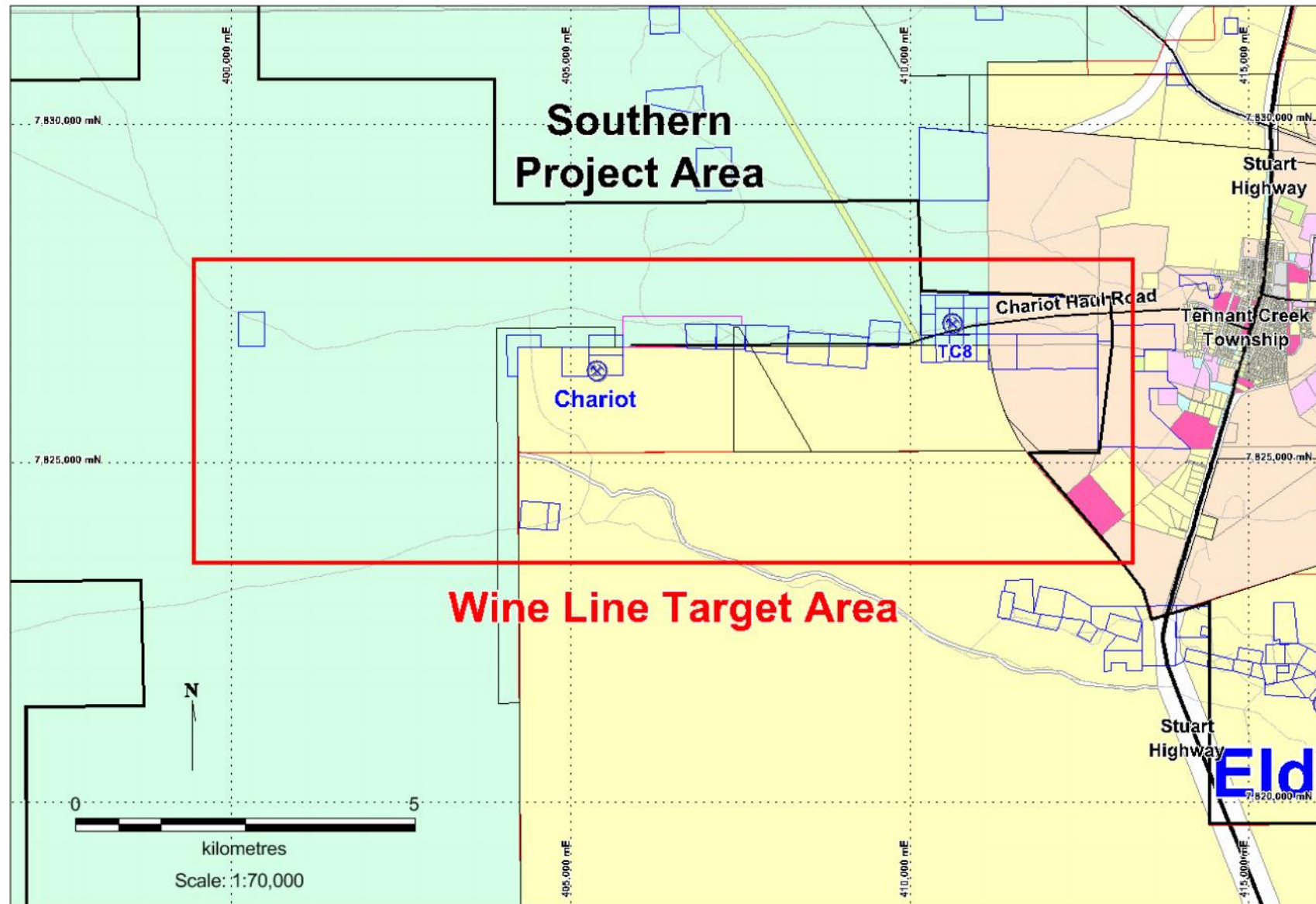


Figure 4: Target Areas

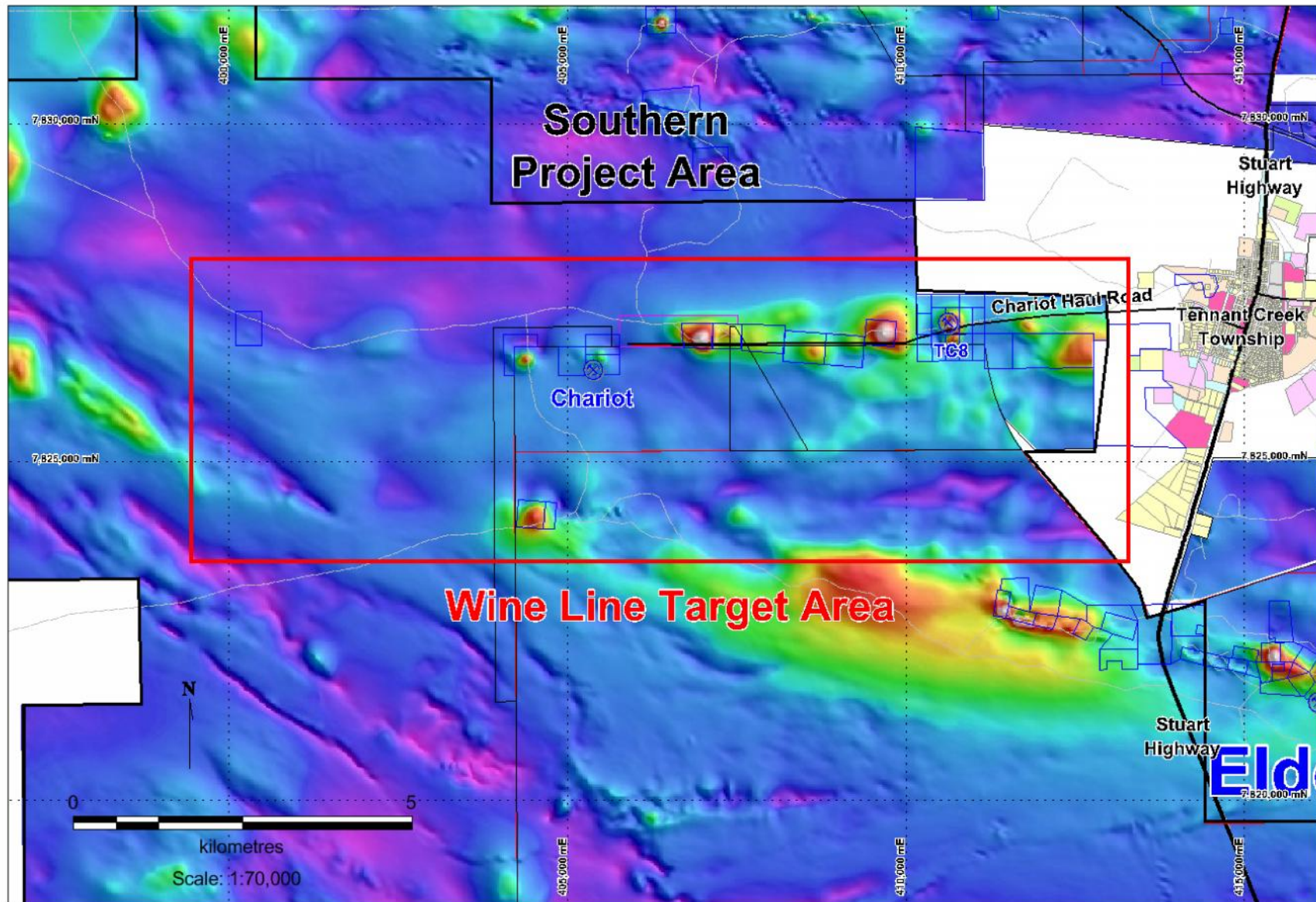


Figure 5: Target Areas vs. VRMI

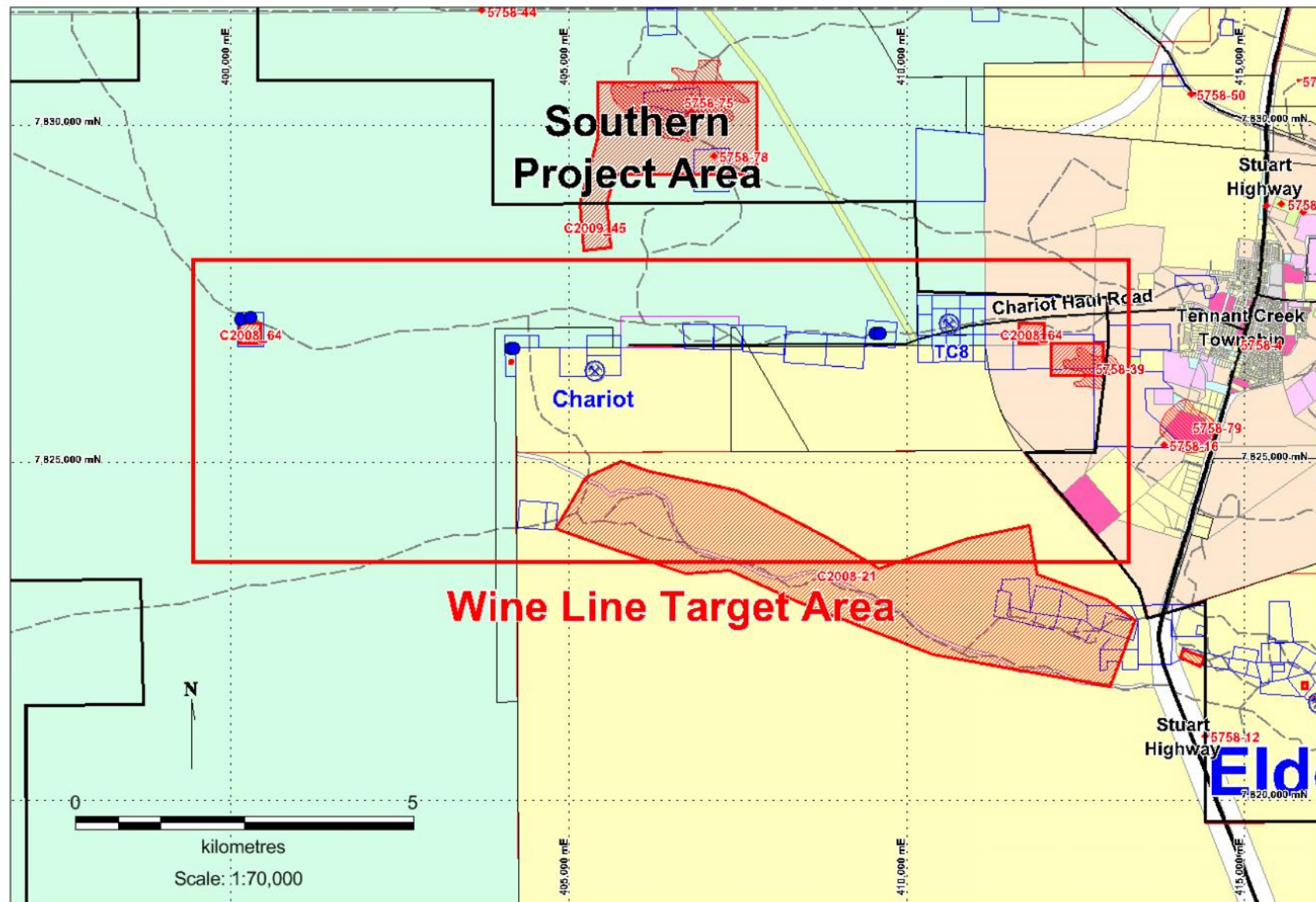


Figure 6: Displays Target Areas, Access Tracks (grey), proposed drilling (blue dots), exclusion zones (red hatching)

3.1 HISTORY OF DEVELOPMENT AND CURRENT STATUS

Historical Mining/Exploration

The SPA has been subjected to intermittent prospecting, mining and exploration more or less continually since the Tennant Creek goldfield came into being in the early 1930's. Historical Mines with details of production and period of production is detailed in Table 1 below;

Name	Operation Period	Location (GDA94)		Au		Cu		Bi	
		East	North	Grade	Oz	Grade	t	Grade	t
ARCADIA	?	405728	7824270	0	0		0		0
ESTRALITA	1956-1962, 1984	414228	7822270	32	40		0		0
GIBBET	?	411854	7826916	0	0		0		0
HAMMERJACK	1934-1951	412928	7822470	36.9	7086.4		0		0
IMO	1934	412628	7822170	0	0		0		0
MAXWELL	?	412708	7826497	0	0		0		0
MIDAS	?	411178	7823270	0	0		0		0
MIRIAM	1940	412728	7822470	33.1	9.2		0		0
MT SAMUEL	1934-1962, 1978-1981	411428	7822770	38.3	4469		0		0
OUTLAW	1959-1960	412028	7822570	38	189		0		0
RED NED	1935-1941	412428	7822570	44.2	557.7		0		0
SKIPPER	1948	405328	7824070	55	530.5		0		0
SKIPPER EXT	1947-1954, 1976	405028	7824170	68.4	6472		0		0
SOUTHERN CROSS	35-42,50-1,62	410928	7823270	8.6	803.8		0		0
TC 8	1986-88	410728	7826970	17.6	45679	1.2	968		0
THE EXTENSION	1935-1941	400287	7826929	19.5	188.1		0		0
WESTWARD HO	1935-1955	405528	7824270	47.8	922.7		0		0

Table 1: SPA Historical Mines

The Tennant Creek district is the traditional homeland of the Warumungu people, although several other tribal groups occur in the surrounding region, four (4) agreements cover the SPA as detailed in section 4.3. All Agreements cover exploration and mining on the SPA tenements and a wide surrounding area under the Aboriginal Land Rights Act.

Giants Reef Exploration Pty Ltd (Giants Reef) acquired all of the shares in Normandy Tennant Creek (NTC) in June 2001. On acquisition of NTC, Giants Reef changed the name of NTC to Santexco Pty Ltd (Santexco) and then transferred all assets including the tenure and mineral rights.

Emmerson Resources Ltd (Emmerson) purchased a group of assets including Giants Reef, Santexco and TC8 Pty Ltd (TC8) on 1 August 2006.

Recent history has seen exploration in the Southern Project Area operate under four different MMP's, listed in table 2. On December 10 2008 Emmerson was granted Authorisation 0475-01 for the SPA, 0475-02 in 2010, 0475-03 in 2011 and 0475-04 in 2012 – 2016 this Authorisation has incorporated all historic liabilities and requirements of the historic MMP's, as listed in table 2, and have been included in the security calculation, refer to Appendix 14;

Authorisation	Project Name
0420-01	West TC8
0076-01	Chariot Mine
0022-01	Bluebush
0422-01	Eldorado

Table 2: Historic Authorisations in the SPA.

No on ground exploration activities were conducted during 2016;

RC Drilling	0 holes	0m
DDH Drilling	0 holes	0m

Table 3: 2016 Drilling Stats in the SPA.

For all proposed programs and future generated programs to proceed, minor drill pad clearing will be required. This minor clearing will be completed by ensuring topsoil and seed stock is collected in a top soil dump at the edge of each drill pad. Minor earthworks may be required on the upgrading of existing access tracks.

As of 20 March 2017 Emmerson considered rehabilitation of drilling conducted by Emmerson in the SPA to be completed as per the below table detailing a reconciliation of drilling proposed in the granted 2016 Authorisation and actual drilling conducted during the 2016 field season. All future rehabilitation conducted will be completed as required in Authorisation 0475-04.

Table 4: 2016 Proposed, Drilling & Rehabilitation Reconciliation

Target Name	Tenement(s)	RAB Holes #	RAB (m)	RC Holes #	RC (m)	RC Pre Colls #	RC Pre Colls (m)	DDH Holes #	DDH (m)		Comments
Chariot	ML23216, MLC 176 & MLC177			6	2,500	2	700	2	400		Proposed
				0	0	0	0	0	0		Drilled
TC8	MLC 592 & 593			4	1,600						Proposed
				0	0						Drilled
Chariot to TC8 Regional	EL23285, EL 23286 & EL23905			6	2,500	2	700	2	400		Proposed
				0	0	0	0	0	0		Drilled
Regional	EL23285, EL23286, EL23905, EL28601 & EL28775			2	800						Proposed
				0	0						Drilled
Target Name	Tenement(s)	RAB Holes #	RAB (m)	RC Holes #	RC (m)		RC Pre Colls (m)	DDH Holes #	DDH (m)		Comments
	Total			18	7,400	4	1,400	4	800		Proposed
				0	0	0	0	0	0		Drilled
											Rehabilitated

The annual photographic monitoring program was unable to be completed due to the hospitalisation of Emmerson's field technician over the period where this task is usually performed, the task has been scheduled for early 2017 and when completed the photos will be provided as an addendum to this MMP ASAP.

3.2 PROPOSED ACTIVITIES

Proposed activities for the SPA during the 2017 field season will include detailed ground gravity surveys and drill testing of any identified targets by drilling of Reverse Circulation (RC) and/or Diamond (DDH) drilling.

The proposed ground based gravity surveys are very low impact, limited to tyre tracks and foot prints. The survey is usually performed by designing a grid over the target area with lines spaced between 25m and 100m (depending on the detail required) and stations along these lines every 25m. Field crew will measure a gravity reading at each of these stations, with access by either walking or using quad bikes. The survey will require a support vehicle (a Toyota 4X4 Ute).

Should targets be generated from this survey Emmerson will drill test the target with an RC hole to validate the target, and should results be positive, then planning of a more detailed drilling campaign will take place and an addendum to this MMP will be submitted.

Exploration will be focused within the Wine Line Prospective trend in the central portion of the project area, as displayed in figure 4. The target area will also be the focus for structural interpretation, geological mapping, desktop historical compilation, assessment and modelling and geophysical interpretation and modelling prior to planning and executing a ground gravity survey. These will hopefully lead to target generation and testing by RC or DDH. The proposed area surveys are outlined in figure 7 but exact station and line spacing has yet to be determined. The locations of two proposed test RC holes at three separate targets within the Wine Line Trend are generated on current known ironstones are detailed in figure 6 and appendix 8.

The exploration in the Wine Line Trend will utilise existing roads, 4WD and fence line tracks and therefore no new tracks will be required, at this early stage. Should this change an addendum to this MMP will be submitted prior to commencement of works.

Further targets and refining of current targets may be generated from the proposed activities and the compilation and modelling of any completed gravity survey and further detailed geological mapping data. During the capture, processing and assessment of this data Emmerson geoscientific staff and management may generate further target areas and further define existing target areas for drill testing. If these additional targets areas generate more drilling or ground disturbing activity in addition to the work programs currently proposed, they will be submitted as addendums to this MMP.

Table 4 details the proposed drill hole numbers and co-ordinates are detailed in Appendix 8 and displayed in figure 6, along with the access tracks that will be utilized during exploration and drilling activities, any work conducted will be able to utilise the existing mine roads and tracks, due to the historical nature of the Tennant Creek Mineral field and numerous Pastoral Station tracks and fence line tracks all drilling conducted will utilise existing tracks, some upgrading may be required.

Presently the exploration program and other details for the 2017 field season (April – December) will be;

-) RC & DDH drilling of the above selected targets,
-) Targeting gold, copper and base metal mineralisation,
-) Drilling is not likely to encounter radioactive material,
-) Drilling may encounter ground water, which will be managed as outlined in the Water Management section of this MMP,
-) Emmerson's RC drilling contractor, Bullion Drilling will conduct the drilling. Only minor earthworks to upgrade existing tracks and drill pad preparations will be required.
-) Emmerson's diamond drilling contractor is GMP Drilling.
-) Rehabilitation and soil management is outlined in Section 5.0 of this MMP,
-) Generation of additional RC and DDH drilling aimed at prospective geological, geophysical and geochemical targets,

-) Geophysical and geochemical surveys (i.e. detailed ground gravity),
-) Reassessment and evaluation of historical prospects within the regional area aimed at generating extensional RC and DDH drilling.

Drill pad size will be approximately 20m X 30m with a sump size of 2m X 5m were required. Total area that may be disturbed will be 0.846ha.

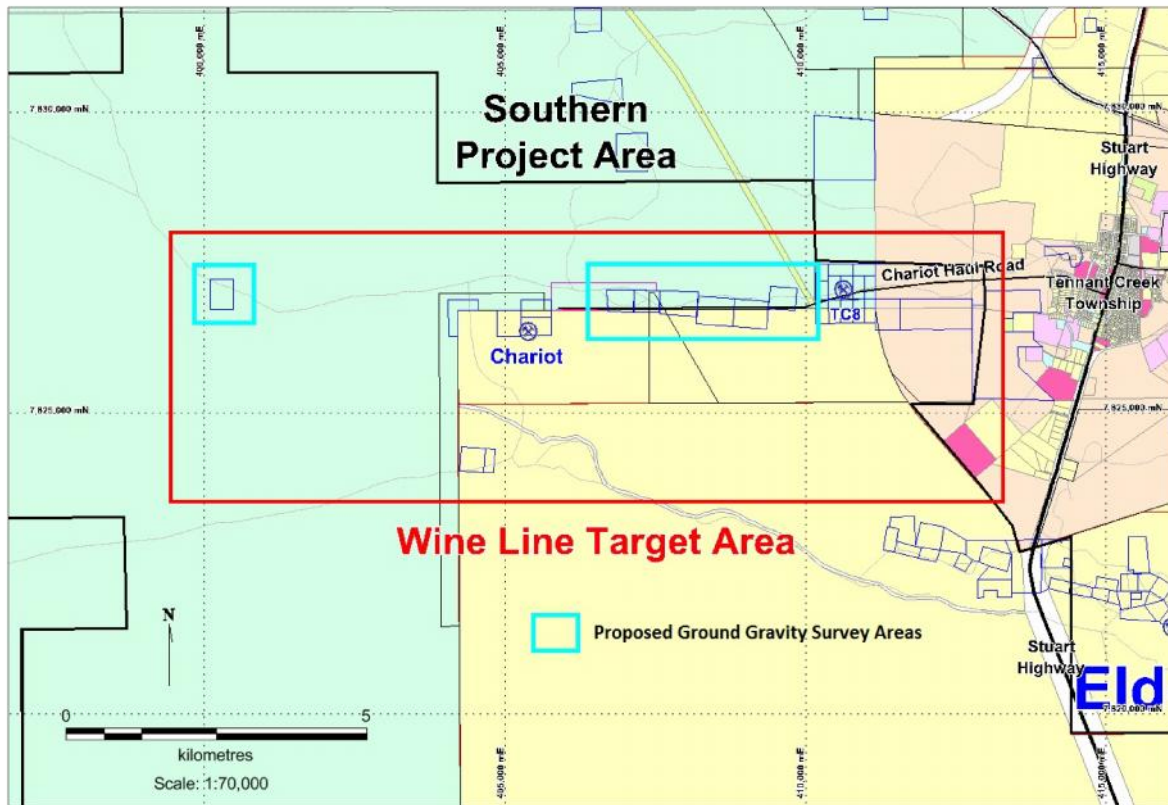


Figure 10: Proposed detailed ground gravity survey areas

Table 4: SPA MMP Drill Collar Numbers for the 2017 field season.

Target Name	Tenement(s)	RAB Holes #	RAB (m)	RC Holes #	RC (m)	RC Pre Colls #	RC Pre Colls (m)	DDH Holes #	DDH (m)	Comments
West Gibbet Area	EL 28775 & MLC 18			2	800					Proposed
Extension Area	EL 28775 & ML 30872			2	800					Proposed
Malbec Area	EL 28601 & ML 30096			2	800					Proposed
Target Name	Tenement(s)	RAB Holes #	RAB (m)	RC Holes #	RC (m)	RC Pre Colls (m)	RC Pre Colls (m)	DDH Holes #	DDH (m)	Comments
	Total			6	2,400					Proposed

The total of 6 proposed RC holes will be used in the security calculation, which is attached as Appendix 14.

4.0 CURRENT PROJECT SITE CONDITIONS

GEOLOGY

A map depicting the project area and land type is attached as figure 1, figure 4 details the proposed target areas and figure 6 details relevant access tracks.

The SPA covers a region of the Tennant Creek Province and includes deformed lower-greenschist facies flysch sequence (Warramunga Formation) intruded by syn-orogenic granite and granodiorite as well as stratabound felsic porphyry. This sequence is overlain by silicic volcanics and volcanoclastics (Flynn Subgroup) and intruded by late orogenic granite, porphyry and lamprophyre. The Warramunga Formation comprises greywacke, siltstone, and shale with interbedded felsic volcanics. Crustal melting resulted in the formation of dry, I-type granodiorite melts and granitic differentiates (Tennant Creek Supersuite), which intruded the Warramunga Formation and lower parts of the Flynn Subgroup during and subsequent to the Barramundi Orogeny. Deformation of the Warramunga Formation produced tight upright folds with a pervasive sub-vertical east west slaty cleavage accompanied by lower greenschist facies metamorphism. Deposition of the volcanosedimentary Flynn Subgroup more or less coincided with the plutonic events.

Progressive dextral shearing resulted in large-scale east trending open folds, as defined by the stratabound porphyries. Disharmonic folds, angular folds and plunging doubly peaking anticlines with a weak sub-vertical crenulations cleavage developed within the Warramunga Formation. North West trending open folds of disharmonic style were generated within the Flynn Subgroup. The youngest igneous events in the Tennant Creek Province were intrusion of the Warrego and Gosse River East granites, as well as lamprophyre dykes and sills.

The SPA is largely covered by Quaternary sands and gravels in relict fluvial systems, active channels, floodplains and quartz-rich dissected colluvial fan deposits.

Outcrop within the SPA is limited to ridges and these comprise scattered outcrops of Paleoproterozoic Warramunga Formation and Flynn Sub-group/ Tomkinson Creek Sub-group (Ooradidgee Group).

The SPA includes a number of significant gold-copper-bismuth deposits, including Chariot, TC8 and Malbec.

Vegetation is mostly sparse, but includes varying combinations of spinifex grasses and small eucalypts, Acacia species and a range of other native vegetation types. The vegetation can be classed as semi-arid savannah, and appears typical of a much wider surrounding region.

HYDROLOGY

Numerous water bores for cattle or other uses have been identified by Emmerson in the SPA, refer to figure 7. Water required for the proposed drilling will be trucked to the drill sites on a needs basis. Emmerson does not intend to utilise water from the landowners, Emmerson pays for the water from the contractor, 'Baber Hire' who sources the water through their business.

Examination of previous drilling in the SPA suggests the standing water table in most of the Project Area will be between 45m and 80m below the land surface, and that the groundwater will not be suitable for drinking water. Any drilling that intersects aquifers will be rehabilitated in accordance with DPIR guidelines – Construction and Rehabilitation of Exploration Drill Sites.

Drainage within the SPA is very limited and only covers the very most northern portion of the Project Area. The drainage here drains from southwest to the northeast, as shown in figure 8.

Topography is very flat with limited small ridges scattered throughout the Project Area, due to the cultural and heritage significance of these ridges exploration is often limited to the flat surrounding ground, therefore pad construction on these ridges will not be necessary.

FLORA AND FAUNA

Due to the historical nature of Mineral Exploration and Mining in the Tennant Creek Region, Emmerson has had access and been able to incorporate studies and surveys conducted by previous exploration and mining companies to identify the presence of any endangered Flora and Fauna species within Emmerson's Project Areas.

Further to this Emmerson has conducted an EPBC Protected Matters Report, attached as appendix 10. The EPBC Protected Matters Report highlights the potential for;

23 Threatened Species, including;

Amytornis dorotheae – Carpentarian Grasswren – Endangered
Calidris ferruginea – Curlew Sandpiper – Critically Endangered
Erythrotriorchis radiates – Red Goshawk – Vulnerable
Erythrura gouldiae – Gouldian Finch – Endangered
Falcunculus frontatus whitei – Crested Shrike-tit (northern) – Vulnerable
Grantiellaa Picta – Painted Honey Eater – Vulnerable
Numenius madagascariensis – Eastern Curlew – Critically Endangered
Pedionomous torquatus – Plains wanderer – Critically Endangered
Pezoporus occidentalis – Endangered
Polytelis alexandrae – Night Parrot – Vulnerable
Rostratula australis – Australian Painted Snipe – Endangered
Tyto novaehollandiae kimberli – Masked Owl – Vulnerable
Dasyurus hallucatus – Northern Quoll – Endangered
Macroderma gigas – Ghost Bat – Vulnerable
Macrotis iagotis – Greater Bilby – Vulnerable
Petrogale lateralis – Black footed Rock Wallby – Vulnerable
Pseudantechinus mimulus – Carpentaria Antechinus – Vulnerable
Saccolaiums saccolaiums nundicluniatus – Bare-rumped Sheath tailed Bat – Vulnerable
Zyzomys pedunculatus – Central Rock Rat – Endangered
Eleocharis papillosa – Dwarf Desert Spike-rush – Vulnerable
Acanthopphis hawkei – Plains Death Adder – Vulnerable

Migratory Species, including;

Cecropis daurica – Red Rumped Swallow
Cuculus optatus – Oriental Cuckoo
Hirundo rustica – Barn Swallow
Motacilla cinerea – Grey Wagtail
Motacilla flava – Yellow Wagtail
Calidris ferruginea – Curlew Sandpiper
Charadrius veredus – Oriental Plover
Glareola maldivarum – Oriental Pranticole
Numenius madagascariensis – Eastern Curlew
Pandion haliaetus – Osprey
Tringa nebularia – Comon Greenshank

Weeds, including;

Prickly Acacia
Buffel Grass
Cotton-leaf Jatropha
Jerusalem Thorn
Bitter Weed (Parthenium Weed)
Mesquite
Athel Pine

During Emmerson's 10 years of exploration in the Tennant Creek Mineral Field hasn't identified any of the rare and endangered species of animals, birds or plants that may be affected by the exploration activities as outlined in the Protected Matters Report in the subject areas for exploration activities. To further ensure the protection of these detailed species, that potentially may occur within the area Emmerson has engaged Ecoz to review the Protected Matters Report and provided expert advice on, for example, the potential to encounter any detailed endangered species, or the requirement to implement particular systems and/or procedures for Emmerson to ensure that the environment is protected. This task is due for completion in late April. On completion Emmerson will submit the results of the review, its recommendations and then detail how Emmerson has addressed these recommendations.

When Emmerson has discovered an economic deposit then it will further engage with Ecoz to conduct appropriate baseline flora and fauna surveys over the relevant areas resulting in the populating of a Flora and Fauna Register and the identification and implementation of management programs for any endangered or threatened species and to provide an up to date assessment and baseline. Emmerson's proposed ground disturbing work is of a limited and low impact nature in this MMP.

The SPA is subject to sporadic wildfires.

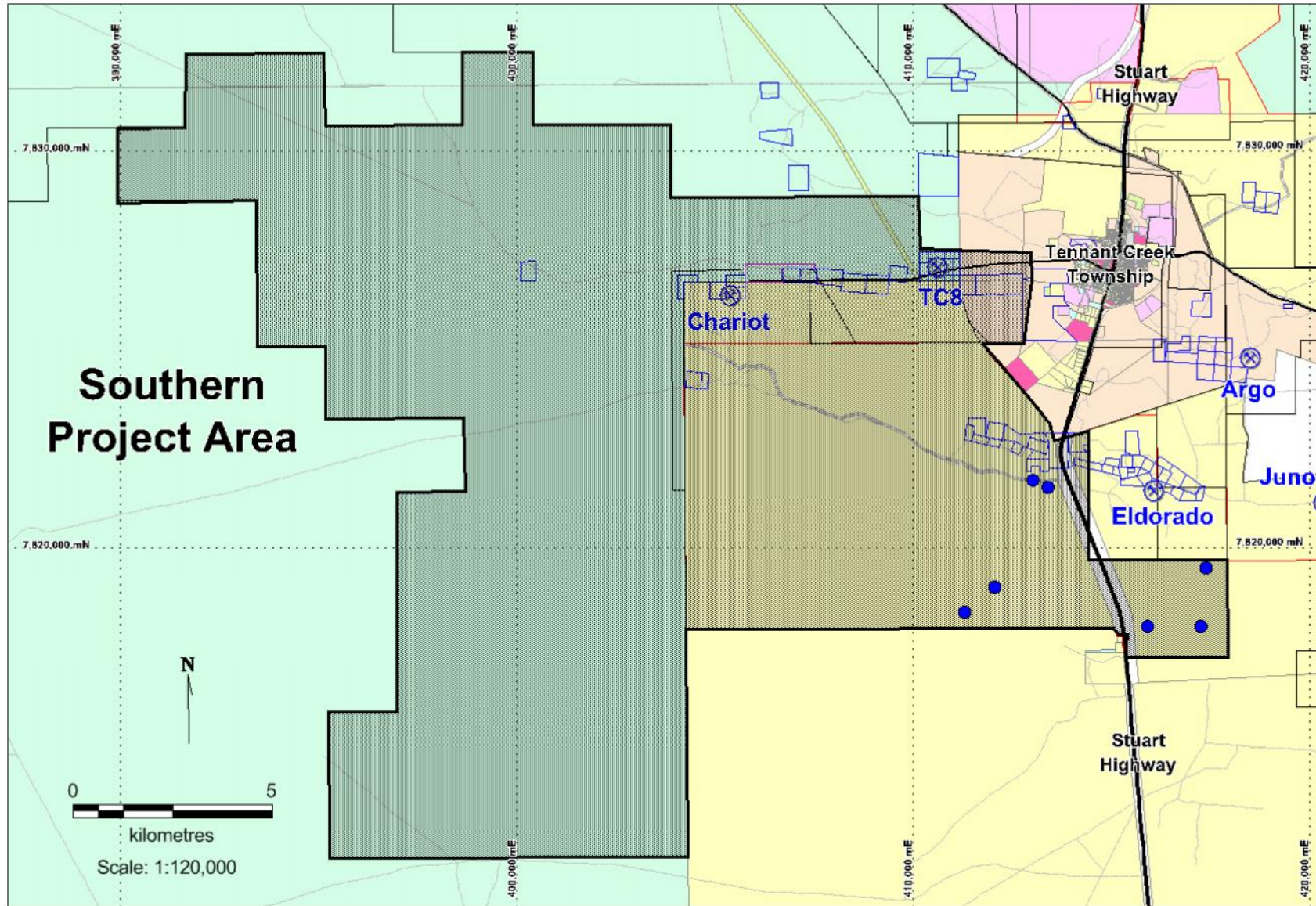


Figure 7: Water Bore Locations (blue dots)

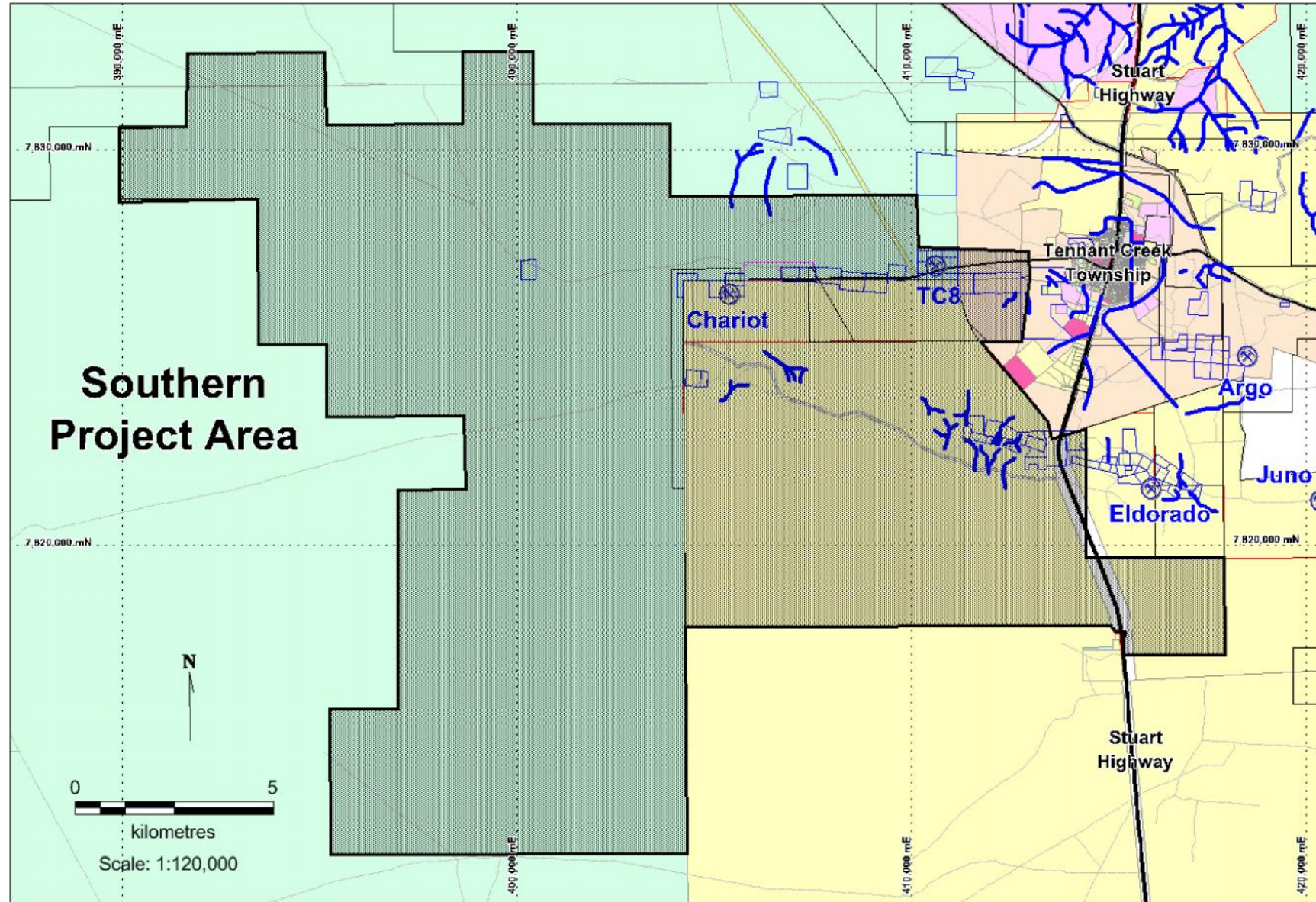


Figure 8: SPA Drainage

CURRENT LAND USE

The SPA is on Aboriginal Freehold land and Pastoral Land Managed by Tennant Creek & Phillip Creek Stations. As far as Emmerson is aware, the principal land use is for cattle-raising. Figure 1 details the land type and tenure.

HISTORICAL, ABORIGINAL, HERITAGE SITES

Emmerson utilises an MapInfo layer containing all Aboriginal Areas Protection Authority (AAPA) registered sacred sites and also a MapInfo layer containing all Central Land Council (CLC) registered sacred sites to cross reference proposed areas of exploration activities with registered sites. Further to this Emmerson also consults with the CLC and traditional owners and has on ground heritage surveys conducted prior to any undertaking of exploration activities, as per the Sacred Sites, Aboriginal Land Rights and Native Title Act's in areas previously not explored. Figure 6 displays the registered AAPA and CLC sacred sites in the SPA, and those related to the proposed works.

During the 2016 field season Emmerson didn't conduct any heritage clearances performed by the Traditional Owners under the guidance of the CLC..

Clearance Area	Date	CLC Reference No.

Table 5: Emmerson CLC 2017 Clearance Certificates

5.0 ENVIRONMENTAL MANAGEMENT SYSTEM / PLAN

Emmerson encourages the commitment to the highest level of compliance and importance to all operations, staff and contractors in relation to meeting all statutory obligations and regulations for the protection and management of the environment while conducting exploration activities.

Emmerson outlines its systems, policies and procedures in its Environmental Manual to ensure the protection of the environment. Emmerson is currently restructuring the Environmental Manual aimed at reducing the size of the document, ensuring that all procedures are fit for purpose, suitable to the current size of the company and the number of staff to resource the requirements, to stream line the document and ensure that it operates more efficiently and that the environment can be protected. The manual will be made available on request along with an update on the progress of the restructure and review. Emmerson will regularly or when appropriate, have an independent body assess the manual to ensure that Emmerson conducts and complies with all regulations and statutory requirements in its protection and management of the environment during exploration activities.

Emmerson has also implemented an Environment Policy Statement which is a simple 1 page document for employees and contractors to adhere too and conduct work by, in conjunction with the Environmental Manual, and is attached as Appendix 11.

5.1 ENVIRONMENTAL POLICY AND RESPONSIBILITIES

As detailed in the Environmental Manual and the Environmental Policy, Emmerson will:

- Establish appropriate industry practice and HS&E standards for its operations.
- Actively assess and control hazards in the workplace.
- Train its employees in the principles of working to protect the environment.
- Maintain employee involvement in environmental matters.
- Communicate with its employees and respond in a timely manner to their environmental concerns.
- Make a commitment to the protection of the environment and comply with all laws, statutory and non-statutory requirements.

Emmerson employees are encouraged to share responsibility for environmental matters and:

- Work in a manner to minimise the impact of their activities on the environment.
- Promptly report all incidents, hazards, unsafe practices or conditions in the workplace.
- Actively participate in the support and promotion of environmental responsibility in the workplace.

5.2 STATUTORY REQUIREMENTS

- Aboriginal and Torres Strait Islander Heritage Act
- Aboriginal Land Rights (NT) Act
- Australasia Railway Act
- Bushfires Act
- Code of Practice for Safe Transport of Radioactive Materials 2001
- Environment Protection and Biodiversity Conservation Act
- Environmental Assessment Act
- Environmental Penalties and Offences Act
- Heritage Act
- Native Title Act
- NT Aboriginal Lands Act
- NT Aboriginal Sacred Sites Act
- NT Lands Act
- NT Mineral Titles Act
- NT Mining Management Act
- NT Mining Management Regulations
- Petroleum Act
- Plant Health Act
- Reporting Requirements such as those for; employment/injury and safety statistics; frequency of water quality reporting lease conditions
- Soil Conservation and Utilisation Act
- Territory Parks and Wildlife Conservation Act
- Waste Management and Pollution Control Act
- Water Act
- Weeds Management Act
- Work Health & Safety (National Uniform Legislation) Act

All other relevant Statutory Legislation will be strictly adhered to.

5.3 NON-STATUTORY REQUIREMENTS

- “Indigenous Land Use Agreement (ILUA)” between Giants Reef Mining Limited and the Central Land Council.
- “Mineral Lease No C23216 Agreement (Chariot)” between Giants Reef Exploration Pty Ltd and the Central Land Council (ML 23216, MLC176 & 177).
- “Lynx East Agreement (Lynx East) between Giants Reef Exploration Pty Ltd and the Central Land Council (EL23285 & 23905).
- “Pre-existing Tenements Agreement” between Normandy Tennant Creek Pty Ltd (now Santexco Pty Ltd, a wholly-owned subsidiary of Emmerson Resources Ltd) and the Central Land Council.
- NT Mineral Council Code of Conduct.

5.4 INDUCTION AND TRAINING

All personnel, including contractors, undergo Emmerson’s company Site Induction prior to any exploration activities. Issues detailed in the Site Induction include site safety equipment, evacuation procedures, conduct rules, personal safety instructions, cultural and environmental awareness and

systems, safety policies, obligation of care, personal protective equipment and safe work procedures. The environmental awareness and systems section of the induction includes;

- Clearing of Roads and Tracks and use of Burrow Pits
- Drill hole sampling and capping
- Drilling Operations
- Environmental Monitoring
- Hydrocarbon and chemical management
- Reconnaissance Exploration
- Rehabilitation Procedures and Monitoring
- Topsoil Management and Monitoring
- Waste Management and Monitoring
- Vegetation Management and Monitoring
- Water Management and Monitoring
- Incident Reporting
- Accountabilities Flow Charts
- Legal Requirements
- Environmental Auditing

All staff, contractors and visitors who undergo the induction are recorded in the Induction register.

5.5 IDENTIFICATION OF ENVIRONMENTAL ASPECTS AND IMPACTS

Below is the Risk Matrix Key for all identified environmental risks.

Likelihood	Consequence		
	Low	Medium	High
	Little or no Impact	Medium term -ve impact	Irreversible or long term -ve impact
High	4	7	9
>75% chance event will occur in life of plan			
Medium	2	5	8
25% - 75% chance event will occur in life of plan			
Low	1	3	6
<25% chance event will occur in life of plan			

	Critical Risk
	High Risk
	Moderate Risk
	Low Risk

OPERATION	HAZARD	RISK RATING				REFINED RISK (after Mitigation)	Mitigation Process
		Critical (9)	High Risk (6 - 8)	Moderate Risk (3 - 5)	Low Risk (1 - 2)		
Driving	Spread of Weeds			5		3	Removal of Weeds in the field, wash down in yard
	Spread of Pests			3		2	Removal of any identified pests immediately, on location
	Animal Hazards				2	1	Policy - Daylight Driving Only, Driving to Road Conditions
Earthworks / Clearing / Rehabilitation	Loss of Native Flora			3		2	Minimize areas to be cleared, use existing tracks where possible
	Loss of Native Fauna			3		2	Minimize areas to be cleared, use existing tracks where possible
	Erosion			3		2	Clearing and rehabilitation commences as close to operational timeframes as possible, prior to the wet season
	Dust Hazard				2	1	Water, PPE, working upwind
Refuelling Operations	Hydrocarbon Spills			5		2	Have appropriate spill kit and personal cleaning kit available
	Contamination Risk				2	1	Environmental Policy, induction, Incident reporting
General Operations	Noise Hazard			3		2	Fitting noise restrictors, PPE, Induction, SOPs, Polices, Monitoring
	Dust Hazard				2	1	Water as dampener, PPE, working upwind, Inductions, polices, SOPs
Drill Rig Operations	Hydrocarbon Spills			5		2	Have appropriate spill kit and personal cleaning kit available
	Noise Hazard			3		2	Fitting noise restrictors, PPE, Induction, SOPs, Polices, Monitoring
	Dust Hazard				2	1	Water as dampener, PPE, working upwind, Inductions, polices, SOPs
	Contamination Risk				2	1	Environmental Policy, induction, Incident reporting
Wildfire	Endangering Flora & Fauna			3		1	Operate safely and minimise the risk of starting a fire that may lead to a wildfire.
Drill Hole Capping	Endangering Fauna			3		1	Ensure drill holes are capped ASAP to ensure limited time for fauna to be endangered
Reconnaissance Exploration	Noise Hazard			3		2	Fitting noise restrictors, PPE, Induction, SOPs, Polices, Monitoring

	Dust Hazard				2	1	Water as dampener, PPE, working upwind, Inductions, polices, SOPs
	Endangering Flora & Fauna				2	1	Operate with the minimal impact possible
Water	Contamination Risk				2	1	Environmental Policy, induction, Incident reporting
	Aquifer Leakage			3		1	Rehabilitation of the hole as per DPIR guidelines

5.6 EMERGENCY PROCEDURES AND INCIDENT REPORTING

No environmental incidents or accidents were encountered during the previous twelve months.

If an environmental hazard or incident occurs that cannot be dealt with immediately on site by following the procedures and guidelines developed in Emmerson’s EMS detailed in the Environmental Manual, the relevant authorities in Tennant Creek will be notified (e.g., Bushfires Council). Any environmental incident will be reported immediately, as per DPIR requirements.

Emergencies will be dealt with on an individual case basis, and the response will be as outlined in the Environmental Incident and Non-Compliance Reporting section of Emmerson’s Environmental Manual, and also as per the DPIR Incident Response Guideline.

5.7 ENVIRONMENTAL AUDITS AND INSPECTIONS

Emmerson inspects all drill sites pre and post drilling and also during activities to routinely monitor progress and assess the environmental compliance to identify and address any potential issues early. When rehabilitation has been completed DPIR is advised at the time of the MMP renewal application and the rehabilitated sites are available for any audit and check for compliance. Emmerson will routinely conduct further visits to the rehabilitated site when the chance arises to monitor the progress of the rehabilitation and ensure that the rehabilitation is progressing as expected, should any matters arise from these further visits then remedial action is taken, as per the standard procedures for rehabilitation. DPIR mining compliance officers Edel Stoner and Michelle Kassman conducted an audit over Emmerson’s SPA on 6 – 7 September 2016.

5.8 ENVIRONMENTAL PERFORMANCE PROGRAMS AND REPORTING

WATER MANAGEMENT

If significant flows of water are encountered during any drilling activities the overflow will be managed by diversion into specially constructed sumps. The sumps are constructed with a ramp egress at one end to allow fauna/livestock to exit should that be required. The CLC and NT Power & Water will be notified immediately.

Should an aquifers be encountered during drilling then the drill holes will be rehabilitated as per sections 3.2.2 – 3.2.4 of DPIR’s ‘Construction and Rehabilitation of Exploration Drill Sites Guideline. This system is outlined in the Environmental Manual (Environmental Management System 23).

No significant water flows were encountered.

BIOLOGICAL MANAGEMENT

Emmerson has guidelines for all employees and contractors to follow to ensure protection of the environment, detailed in Emmerson's Environmental Manual (Vegetation and Weed Management Procedure – Environmental Management System 22). It also details the weeds that may be encountered in the field so as employees and contractors can report any discovered weeds for remediation.

All Emmerson employees and contractors are directed to stay to the existing tracks and weeds are removed from vehicles in the field and the vehicles are washed down in the wash bay at Emmerson's Tennant Creek yard.

WASTE MANAGEMENT

The current waste management procedure is to bring rubbish back from the drill sites to Tennant Creek on a daily basis and dispose of it at the town dump. This system is outlined in the Environmental Manual (Environmental Management System 20).

NOISE AND AIR QUALITY MANAGEMENT

Noise is controlled by suitable mufflers and sound-absorbing pads on drilling machinery such as air compressors and large diesel engines.

Suppression of dust produced from the drill rig is achieved by the use of modern design cyclones or water injection. Dust from vehicles using dusty tracks is not expected to be a major problem as the period of use of these tracks will only be of short duration.

REPORTING

While contracting to Emmerson, all Contractors will comply with the Company's Environmental Manual and the HS&E Policy. Therefore the Contractors environmental performance will be included in the Company's annual report. Environmental Performance Reporting (Form as per DPIR MMP Advisory Note 2008);

- Were the previous year's Exploration Activities meeting the Environmental Objectives & Targets?

YES – Exploration activities were closely monitored and all employees and contractors followed company guidelines to ensure the protection of the environment and all objectives and targets were met.

- Was progress made towards achieving revegetation and closure objectives during the previous year?

YES – All sites visited during the field season displayed regrowth, the amount of regrowth varied significantly depending on the maturity of the rehabilitation. Those site rehabilitated more than 18 months ago were strongest, as they had experienced a significant wet season which has promoted strong regrowth of natural vegetation, those site rehabilitated more recently (less than 18 months) displayed low to moderate regrowth, with a below average wet season this year most growth was in the low range for the more recently rehabilitated areas. When the annual photo monitoring has been completed in early 2017, then these photos will be provided for evidence of the continued rehabilitation of sites.

- Were any reviews (e.g. audits) conducted through the year?

YES

Emmerson conducted sporadic monitoring as opportunities arose during the year. When Emmerson employees were travelling past historical sites the area was overviewed for any

obvious rehabilitation non-compliances, rehabilitation regrowth was observed, with any negative observations used for remediation actions. During these sporadic visits no remediation activities were actioned or required. The annual photographic monitoring program was unable to be completed due to the hospitalisation of Emmerson's field technician over the period where this task is usually performed;

YES;

Yes an external audit was conducted on 6 – 7 September 2016 by DPIP compliance officers (Edel Stoner & Michelle Kassman).

- Was there any Environmental Monitoring (e.g. noise, dust) completed during the year?

NO – As detailed above the annual photographic monitoring program couldn't be completed;

- Are there any waste management issues that have arisen during the previous year?

NO

6.0 EXPLORATION REHABILITATION

During 2016 Emmerson conducted no rehabilitation as no exploration activities were conducted as detailed in section 3.1 of this MMP with reconciliations with the proposed drilling, actual drilling and rehabilitation;

For all proposed RC and DDH programs and future generated RC and DDH programs to proceed, minor drill pad clearing will be required. This minor clearing will be completed by ensuring topsoil and seed stock is collected in a top soil dump at the edge of each drill pad. Minor earthworks may be required on the upgrading of existing access tracks.

After the project is deemed complete it is planned that all drill samples will be buried, as per the agreement with the owners and operators of Tennant Creek Station (Perpetual Pastoral Lease 1142) prior to the onset of the 'Wet Season' usually within a 6 month period. This agreement is attached as appendix 13. All sample bags are cut open and the spoil is buried, the sample bag is then disposed of at the Tennant Creek Rubbish Dump.

All rubbish will be removed from the sites and disposed of at the Tennant Creek Town Rubbish Dump. Drillholes will be plugged and covered in the approved manner. The approved manner for drill hole rehabilitation is as described below, any drilling that intersects aquifers will be rehabilitated in accordance with DPIP guidelines – Construction and Rehabilitation of Exploration Drill Sites;

- The collar is plugged with a cement hole plug
- This cement hole plug contains a metal wire which protrudes from the top of the plug as small 'handle' like object
- The cement hole plug is wedged as tight as possible into the PVC collar
- The collar is then backfilled by replacing and dirt spoil from around the collar into the void and padded down

- The collar and plug are then back filled over, so no protruding evidence of the hole is visible, also no hole peg remains at the site
- The hole is later located by using a metal detector, which locates the metal wire in the cement hole plug
- The hole is plugged and backfilled to prevent the entrapment of small fauna species

TOPSOIL MANAGEMENT

Any piled-up topsoil heaps resulting from clearing the drill pads will be pulled back over the pads after the completion of drilling and prior to the onset of the 'wet season', and is described in detail in Emmerson's Environmental Manual EMS 19.

REVEGETATION METHODS

Emmerson has found from Giants Reef's and Normandy's years of experience in the Tennant Creek region that lightly-cleared drill pads and access tracks will revegetate naturally over a few years, to the point where they become almost indistinguishable from the surrounding undisturbed bush. Natural re-vegetation is initiated by ripping of compacted areas and pulling heaped topsoil and captured seed stock back over the cleared area prior to the onset of the NT seasonal rains.

6.1 COSTING OF CLOSURE ACTIVITIES

Emmerson has completed a security calculation form, obtained from the DPIR website, and has attached it as Appendix 14. As per section 3.2 Emmerson has proposed to drill approximately 6 drill holes in the SPA when the proposed holes subject to this MMP are completed.

Emmerson will lodge the security as cash.

In the case that following the execution, analysis and interpretation of the work programs listed in section 3.2, further work programs were submitted as addendums to the SPA MMP, generating drill hole numbers higher than initially proposed, then Emmerson would increase the security held to compensate for the increased exploration activities in the SPA through the submission of an addendum to this MMP.

6.2 PERFORMANCE OBJECTIVES

The performance objectives for the proposed drilling program at the SPA for 2017 remain the same as they did for 2016 and all previous years, and they are:

1. To complete all the drillholes by December 2017, and
2. To complete the rehabilitation work at each drill site within a six (6) month period after the completion of the program and prior to the onset of the 'Wet Season', where possible.

The person responsible for meeting these objectives is Mr. Steve Russell, Exploration Manager. A company structure flow chart is detailed in section 1.1 of this MMP.

The Application for an Authorisation is attached as Appendix 9.

I Steve Russell, Exploration Manager for Emmerson Resources Ltd declare that to the best of my knowledge the information contained in this mining management plan is true and correct and commit to undertake the works detailed in this plan in accordance with all the relevant, Northern Territory and Commonwealth Government legislation.



Steve Russell
Exploration Manager
27 March 2017

APPENDIX ONE

SOUTHERN PROJECT AREA

Southern Project Area Tenure Details

Tenement	Name	Holder	Interest	Granted	Effective	Expiry	Ha	Km2	Blocks	Project Area
EL23285	Corridor 2	GRE	100	21/12/2007	21/12/2007	20/12/2013	507	5.07	3	SPA
EL23286	Corridor 3	GRE	100	30/09/2002	30/09/2010	29/09/2014	239	2.39	2	SPA
EL23905	Jackie	GRE	100	21/12/2007	21/12/2007	20/12/2013	109	1.09	1	SPA
EL28601	Malbec	GRE	100	8/07/2011	8/07/2011	7/07/2015	214	2.14	3	SPA
EL28775	Trinity	GRE	100	14/09/2011	14/09/2011	13/09/2015	18730	187.30	66	SPA
MA23236	Udall Road	GRE	100	1/12/2004	1/12/2010	30/11/2014	105	1.05	4	SPA
MA30798	Little Ben	GRE	100	19/10/2015	19/10/2015	18/10/2021	139	1.39	0	SPA
MCC334	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	16	0.16	0	SPA
MCC344	Mt Samuel	GRE	100	9/03/1988		8/03/2013	14	0.14	0	SPA
MCC364	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	19.95	0.20	0	SPA
MCC365	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	13.48	0.13	0	SPA
MCC366	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	16.44	0.16	0	SPA
MCC524	Gibbet	San	100	29/01/1988	29/12/2005	28/01/2011	20	0.20	0	SPA
MCC55	Mondeuse	San	100	8/06/1983	8/06/1983	7/06/2013	28	0.28	0	SPA
MCC56	Shiraz	San	100	8/06/1983	8/06/1983	7/06/2013	31	0.31	0	SPA
MCC57	Mondeuse	San	100	8/06/1983	8/06/1983	7/06/2013	26	0.26	0	SPA
ML23216	Chariot	GRE	100	19/07/2002	19/07/2002	18/07/2027	17	0.17	0	SPA
ML30096	Malbec	GRE	100	15/04/2016	15/04/2016	14/04/2021	14	0.14	0	SPA
ML30322	Verdot	San	100	8/07/2014	8/07/2014	7/07/2024	15	0.15		SPA
ML30872	The Extension	San	100	23/09/2015	23/09/2015	22/09/2025	16	0.16		SPA
ML31123	Gibbet1	San	100	2/02/2016	2/02/2016	1/02/2021	60	0.60		SPA
MLC176	Chariot	GRE	100	25/06/1974	31/12/2009	31/12/2014	15.01	0.15	0	SPA
MLC177	Chariot	GRE	100	25/06/1974	25/06/1974	31/12/2025	15	0.15	0	SPA
MLC18	West Gibbet	San	100	19/02/1958	4/11/2009	31/12/2019	17	0.17	0	SPA
MLC342	Tinto	San	100	2/08/1977	1/01/2008	31/12/2012	7	0.07	0	SPA
MLC48	Tinto	San	100	5/01/1965	5/01/1965	31/12/2026	16	0.16	0	SPA
MLC49	Mt Samuel	San	100	5/01/1965	5/01/1965	31/12/2025	16	0.16	0	SPA
MLC527	Mt Samual	GRE	100	11/07/1955		31/12/2016	6			SPA
MLC591	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8	0.08	0	SPA
MLC592	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8	0.08	0	SPA
MLC593	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8	0.08	0	SPA
MLC594	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	7	0.07	0	SPA
MLC595	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	7	0.07	0	SPA
MLC596	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8	0.08	0	SPA
MLC597	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8	0.08	0	SPA
MLC601	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8	0.08	0	SPA
MLC602	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8	0.08	0	SPA
MLC603	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8	0.08	0	SPA
MLC604	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8	0.08	0	SPA
MLC605	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8			SPA
MLC645	Estralita	GRE	100	7/06/1982	7/06/1982	31/12/2027	7	0.07	0	SPA
MLC654	TC8 Lease	TC8	100	9/05/1976	9/05/1976	31/12/2017	8			SPA
MLC66	Traminer	San	100	2/08/1967	1/01/2009	31/12/2017	16	0.16	0	SPA
MLC67	Traminer	San	100	2/08/1967	1/01/2009	31/12/2017	16	0.16	0	SPA

APPENDIX TWO

SOUTHERN PROJECT AREA

Nomination of an Operator Form (Santexco Pty Ltd)

Nomination of an Operator of a Mining Site

This form is to be completed by a Title Holder appointing an Operator in accordance with section 10 of the *Mining Management Act*. Each Title Holder having an interest in the site should complete a separate nomination form.

Section 10 of the *Mining Management Act*

TITLE HOLDER'S NAME	Santexco Pty Ltd	
ACN/ABN:	002 910 296	
POSTAL ADDRESS	PO Box 1573, West Perth, Western Australia	
	Postcode:6872	
CONTACT PERSON	Adam Walters (Manager – Projects)	
PHONE	Business: (08) 9381 7838	Mobile:
E-MAIL	awalters@emmeresonresources.com.au	

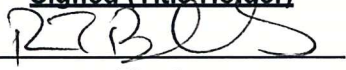
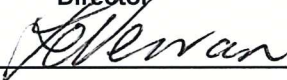
MINING INTEREST/S (i.e.: Title numbers)	Please refer to Appendix 3 of the Southern Project Area MMP
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NAME OF OPERATOR (as per ASIC-ABR registered name)	Emmerson Resources Ltd
ACN/ABN:	117 086 745

CONFIRMATION OF TITLE HOLDER'S NOMINATION OF OPERATOR

We, the authorised officers of the Title Holder confirm the Title Holder has, by written agreement(s) with the Operator:

- appointed the Operator in accordance with section 10 of the *Mining Management Act*; and
- conferred on the Operator the right of the Title Holder to take and use water in accordance with section 81 of the *Mineral Titles Act*.

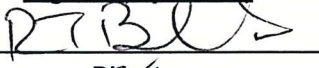
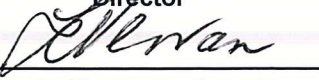
<u>Signed (Title Holder)</u>	<u>Name (Please Print)</u>	<u>Date</u>
 Director	Rob Bills	24/03/2017
 Director/Company Secretary	Trevor Verran	24/03/2017

Signed in accordance with section 126/127* of the *Corporations Act 2001 Cth* (*delete inapplicable section)

CONFIRMATION OF OPERATOR'S ACCEPTANCE OF APPOINTMENT

We, the authorised officers of the Operator, confirm the Operator has:

- accepted the appointment and complied with section 10 of the *Mining Management Act*; and
- accepted the Title Holder's rights to take and use water pursuant to section 81 of the *Mineral Titles Act* and in accordance with the *Mining Management Act* accepts responsibility for meeting the environmental obligations.

<u>Signed (Operator)</u>	<u>Name (Please Print)</u>	<u>Date</u>
 Director	Rob Bills	24/03/2017
 Director/Company Secretary	Trevor Verran	24/03/2017

Signed in accordance with section 126/127* of the *Corporations Act 2001 Cth* (*delete inapplicable section)

APPENDIX THREE

SOUTHERN PROJECT AREA

Santexco Pty Ltd Tenure Details

Tenement	Name	Holder	Interest	Granted	Effective	Expiry	Ha	Km2	Blocks	Project Area
MCC524	Gibbet	San	100	29/01/1988	29/12/2005	28/01/2011	20	0.20	0	SPA
MCC55	Mondeuse	San	100	8/06/1983	8/06/1983	7/06/2013	28	0.28	0	SPA
MCC56	Shiraz	San	100	8/06/1983	8/06/1983	7/06/2013	31	0.31	0	SPA
MCC57	Mondeuse	San	100	8/06/1983	8/06/1983	7/06/2013	26	0.26	0	SPA
ML30872	The Extension	San	100	23/09/2015	23/09/2015	22/09/2025	16	0.16	0	SPA
ML31123	Gibbet 1	San	100	2/02/2016	2/02/2016	1/02/2021	60	0.60	0	SPA
MLC18	West Gibbet	San	100	19/02/1958	4/11/2009	31/12/2019	17	0.17	0	SPA
MLC342	Tinto	San	100	2/08/1977	1/01/2008	31/12/2012	7	0.07	0	SPA
MLC48	Tinto	San	100	5/01/1965	5/01/1965	31/12/2026	16	0.16	0	SPA
MLC49	Mt Samual	San	100	5/01/1965	5/01/1965	31/12/2025	16	0.16	0	SPA
MLC66	Traminer	San	100	2/08/1967	1/01/2009	31/12/2017	16	0.16	0	SPA
MLC67	Traminer	San	100	2/08/1967	1/01/2009	31/12/2017	16	0.16	0	SPA

APPENDIX FOUR

SOUTHERN PROJECT AREA

Nomination of an Operator (Giants Reef Exploration Pty Ltd)

Nomination of an Operator of a Mining Site

This form is to be completed by a Title Holder appointing an Operator in accordance with section 10 of the *Mining Management Act*. Each Title Holder having an interest in the site should complete a separate nomination form.

Section 10 of the *Mining Management Act*

TITLE HOLDER'S NAME	Giants Reef Exploration Pty Ltd	
ACN/ABN:	009 200 346	
POSTAL ADDRESS	PO Box 1573, West Perth, Western Australia	
	Postcode:6872	
CONTACT PERSON	Adam Walters (Manager – Projects)	
PHONE	Business: (08) 9381 7838	Mobile:
E-MAIL	awalters@emmersonresources.com.au	

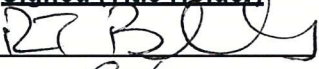

MINING INTEREST/S (i.e.: Title numbers)	Please refer to Appendix 5 of the Southern Project Area MMP
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NAME OF OPERATOR (as per ASIC-ABR registered name)	Emmerson Resources Ltd
ACN/ABN:	117 086 745

CONFIRMATION OF TITLE HOLDER'S NOMINATION OF OPERATOR

We, the authorised officers of the Title Holder confirm the Title Holder has, by written agreement(s) with the Operator:

- appointed the Operator in accordance with section 10 of the *Mining Management Act*; and
- conferred on the Operator the right of the Title Holder to take and use water in accordance with section 81 of the *Mineral Titles Act*.

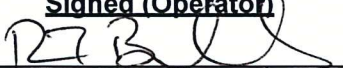

<u>Signed (Title Holder)</u>	<u>Name (Please Print)</u>	<u>Date</u>
 _____ Director	Rob Bills _____	24/03/2017 _____
 _____ Director/Company Secretary	Trevor Verran _____	24/03/2017 _____

Signed in accordance with section 126/127* of the *Corporations Act 2001 Cth* (*delete inapplicable section)

CONFIRMATION OF OPERATOR'S ACCEPTANCE OF APPOINTMENT

We, the authorised officers of the Operator, confirm the Operator has:

- accepted the appointment and complied with section 10 of the *Mining Management Act*; and
- accepted the Title Holder's rights to take and use water pursuant to section 81 of the *Mineral Titles Act* and in accordance with the *Mining Management Act* accepts responsibility for meeting the environmental obligations.

<u>Signed (Operator)</u>	<u>Name (Please Print)</u>	<u>Date</u>
 _____ Director	Rob Bills _____	24/03/2017 _____
 _____ Director/Company Secretary	Trevor Verran _____	24/03/2017 _____

Signed in accordance with section 126/127* of the *Corporations Act 2001 Cth* (*delete inapplicable section)

APPENDIX FIVE

SOUTHERN PROJECT AREA

Giants Reef Exploration Pty Ltd Tenure Details

Tenement	Name	Holder	Interest	Granted	Effective	Expiry	Ha	Km2	Blocks	Project Area
EL23285	Corridor 2	GRE	100	21/12/2007	21/12/2007	20/12/2013	507	5.07	3	SPA
EL23286	Corridor 3	GRE	100	30/09/2002	30/09/2010	29/09/2014	239	2.39	2	SPA
EL23905	Jackie	GRE	100	21/12/2007	21/12/2007	20/12/2013	109	1.09	1	SPA
EL28601	Malbec	GRE	100	8/07/2011	8/07/2011	7/07/2015	214	2.14	3	SPA
EL28775	Trinity	GRE	100	14/09/2011	14/09/2011	13/09/2015	18730	187.30	66	SPA
MA23236	Udall Road	GRE	100	1/12/2004	1/12/2010	30/11/2014	105	1.05	4	SPA
MA30798	Little Ben	GRE	100	19/10/2015	19/10/2015	18/10/2021	139	1.39	0	SPA
MCC334	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	16	0.16	0	SPA
MCC344	Mt Samuel	GRE	100	9/03/1988		8/03/2013	14			SPA
MCC364	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	19.95	0.20	0	SPA
MCC365	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	13.48	0.13	0	SPA
MCC366	Estralita	GRE	100	29/01/1988	1/01/2008	31/12/2018	16.44	0.16	0	SPA
ML23216	Chariot	GRE	100	19/07/2002	19/07/2002	18/07/2027	17	0.17	0	SPA
ML30096	Malbec	GRE	100	15/04/2016	15/04/2016	14/04/2021	14	0.14	0	SPA
ML30322	Verdot	GRE	100	8/07/2014	8/07/2014	7/07/2024	15	0.15		SPA
MLC176	Chariot	GRE	100	25/06/1974	31/12/2009	31/12/2014	15.01	0.15	0	SPA
MLC177	Chariot	GRE	100	25/06/1974	25/06/1974	31/12/2025	15	0.15	0	SPA
MLC527	Mt Samual	GRE	100	11/07/1955		31/12/2016	6			SPA
MLC645	Estralita	GRE	100	7/06/1982	7/06/1982	31/12/2027	7	0.07	0	SPA

APPENDIX SIX

SOUTHERN PROJECT AREA

Nomination of an Operator (TC8)

Nomination of an Operator of a Mining Site

This form is to be completed by a Title Holder appointing an Operator in accordance with section 10 of the *Mining Management Act*. Each Title Holder having an interest in the site should complete a separate nomination form.

Section 10 of the *Mining Management Act*

TITLE HOLDER'S NAME	TC8 Pty Ltd
ACN/ABN:	009 644 188
POSTAL ADDRESS	PO Box 1573, West Perth, Western Australia
	Postcode:6872
CONTACT PERSON	Adam Walters (Manager – Projects)
PHONE	Business: (08) 9381 7838 Mobile:
E-MAIL	awalters@emmersonresources.com.au

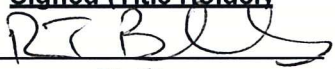

MINING INTEREST/S (i.e.: Title numbers)	Please refer to Appendix 7 of the Southern Project Area MMP
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NAME OF OPERATOR (as per ASIC-ABR registered name)	Emmerson Resources Ltd
ACN/ABN:	117 086 745

CONFIRMATION OF TITLE HOLDER'S NOMINATION OF OPERATOR

We, the authorised officers of the Title Holder confirm the Title Holder has, by written agreement(s) with the Operator:

- appointed the Operator in accordance with section 10 of the *Mining Management Act*; and
- conferred on the Operator the right of the Title Holder to take and use water in accordance with section 81 of the *Mineral Titles Act*.

<u>Signed (Title Holder)</u>	<u>Name (Please Print)</u>	<u>Date</u>
 Director	Rob Bills	24/03/2017
 Director/Company Secretary	Trevor Verran	24/03/2017

Signed in accordance with section 126/127* of the *Corporations Act 2001 Cth* (*delete inapplicable section)

CONFIRMATION OF OPERATOR'S ACCEPTANCE OF APPOINTMENT

We, the authorised officers of the Operator, confirm the Operator has:

- accepted the appointment and complied with section 10 of the *Mining Management Act*; and
- accepted the Title Holder's rights to take and use water pursuant to section 81 of the *Mineral Titles Act* and in accordance with the *Mining Management Act* accepts responsibility for meeting the environmental obligations.

<u>Signed (Operator)</u>	<u>Name (Please Print)</u>	<u>Date</u>
 Director	Rob Bills	24/03/2017
 Director/Company Secretary	Trevor Verran	24/03/2017

Signed in accordance with section 126/127* of the *Corporations Act 2001 Cth* (*delete inapplicable section)

APPENDIX SEVEN

SOUTHERN PROJECT AREA

TC8 Pty Ltd Tenure Details

Tenement	Name	Holder	Interest	Granted	Effective	Expiry	Ha	Km2	Blocks	Project Area
MLC591	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8			SPA
MLC592	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8			SPA
MLC593	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8			SPA
MLC594	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	7			SPA
MLC595	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	7			SPA
MLC596	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8			SPA
MLC597	TC8 Lease	TC8	100	9/04/1976	9/04/1976	31/12/2016	8			SPA
MLC601	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8			SPA
MLC602	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8			SPA
MLC603	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8			SPA
MLC604	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8			SPA
MLC605	TC8 Lease	TC8	100	1/12/1977	1/12/1977	31/12/2018	8			SPA
MLC654	TC8 Lease	TC8	100	9/05/1976	9/05/1976	31/12/2017	8			SPA

APPENDIX EIGHT

SOUTHERN PROJECT AREA

Proposed Drill Hole Details

DataSet	PropHole_ID	Hole_Type	Max_Depth	NAT_Grid_I	NAT_East	NAT_North	NAT_RL
West Gibbett	Prop1	RC	400	MGA94_53	409600	7826900	350
West Gibbett	Prop2	RC	400	MGA94_53	409620	7826900	350
Extension	Prop3	RC	400	MGA94_53	400100	7827100	350
Extension	Prop4	RC	400	MGA94_53	400150	7827100	350
Malbec	Prop5	RC	400	MGA94_53	404200	7826700	350
Malbec	Prop6	RC	400	MGA94_53	404210	7826700	350

Comment

APPENDIX NINE

SOUTHERN PROJECT AREA

Application for Authorisation

Application for Authorisation

Application for Variation of Authorisation

Section 36 or Section 38 of the *Mining Management Act*

CHECK APPROPRIATE BOX

NEW AUTHORISATION (for a new mining site or mining activities)

Section 36(1) - Application must be accompanied by a mining management plan (section 36(2)(a)) and operator appointment notice (section 36(2)(b)).

VARIATION TO CURRENT AUTHORISATION

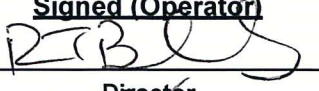
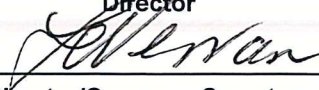
Section 38(1) - Application must be accompanied by the current mining management plan or the proposed amendment thereof (section 38(3)) and an explanation of the reasons for the application (for example changes in operator name, mining interests (ie titles) and mining activities).

AUTHORISATION NUMBER (FORMAT 0XXX-XX):

0475-04

NAME OF OPERATOR: (as per ASIC-ABR registered name)	Emmerson Resources Ltd
ACN/ABN:	117 086 745
POSTAL ADDRESS:	PO Box 1573, West Perth, Western Australia
	Postcode: 6872
STREET ADDRESS:	3 Kimberley Street, West Leederville, Western Australia
	Postcode: 6007
CONTACT PERSON:	Adam Walters (Manager – Projects)
PHONE:	Business: (08) 9381 7838 Mobile:
E-MAIL:	awalters@emmersonresources.com.au

NAME OF MINING SITE:	Eastern Project Area
MINING INTERESTS: (ie: Title numbers)	Please refer to Appendix 1 of the Southern Project Area MMP
MINING ACTIVITIES:	Proposed exploration will include detailed ground gravity surveys and drill testing of any generated targets from this survey.

<u>Signed (Operator)</u>	<u>Name (Please Print)</u>	<u>Date</u>
 Director	Rob Bills	27/5/17
 Director/Company Secretary	Trevor Verran	27/3/17

Signed in accordance with section 126/127* of the *Corporations Act 2001 Cth* (*delete inapplicable section)

APPENDIX TEN

SOUTHERN PROJECT AREA

Protected Matters Report



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

LGA BARKLY SHIRE, NT

Report created: 21/03/17 11:13:25

[Summary](#)

[Details](#)

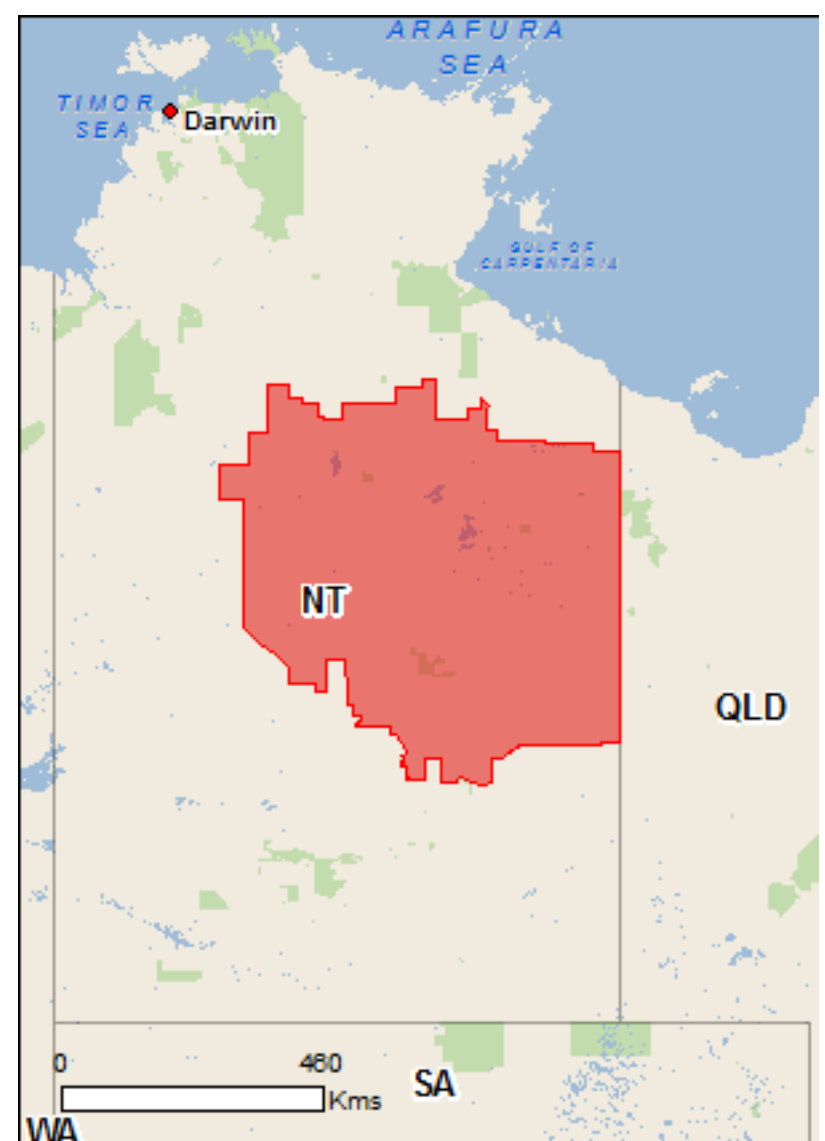
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010



Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the Administrative Guidelines on Significance - see <http://environment.gov.au/protection/environment-assessments>

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Significance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Threatened Ecological Communities:	None
Threatened Species:	23
Migratory Species:	14

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage>

A permit may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species. Information on EPBC Act permit requirements and application forms can be found at <http://www.environment.gov.au/epbc/permits-and-application-forms>

Commonwealth Lands:	6
Commonwealth Heritage Places:	None
Listed Marine Species:	20
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

State and Territory Reserves:	13
Regional Forest Agreements:	None
Invasive Species:	24
Nationally Important Wetlands:	6

Details

Matters of National Environmental Significance

Threatened Species		[Resource Information]
Name	Status	Type of Presence
BIRDS		
Amytornis dorotheae Carpentarian Grasswren [558]	Endangered	Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat likely to occur within area
Erythrura gouldiae Gouldian Finch [413]	Endangered	Species or species habitat known to occur within area
Falcunculus frontatus whitei Crested Shrike-tit (northern), Northern Shrike-tit [26013]	Vulnerable	Species or species habitat likely to occur within area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat known to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pedionomus torquatus Plains-wanderer [906]	Critically Endangered	Species or species habitat may occur within area
Pezoporus occidentalis Night Parrot [59350]	Endangered	Species or species habitat may occur within area
Polytelis alexandrae Princess Parrot, Alexandra's Parrot [758]	Vulnerable	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Tyto novaehollandiae kimberli Masked Owl (northern) [26048]	Vulnerable	Species or species habitat known to occur within area
MAMMALS		
Dasyurus hallucatus Northern Quoll, Digul [331]	Endangered	Species or species habitat may occur within area

Name	Status	Type of Presence
Macroderma gigas Ghost Bat [174]	Vulnerable	Breeding likely to occur within area
Macrotis lagotis Greater Bilby [282]	Vulnerable	Species or species habitat known to occur within area
Petrogale lateralis MacDonnell Ranges race Warru, Black-footed Rock-wallaby (MacDonnell Ranges race) [66649]	Vulnerable	Species or species habitat known to occur within area
Pseudantechinus mimulus Carpentarian Antechinus [59283]	Vulnerable	Species or species habitat likely to occur within area
Saccolaimus saccolaimus nudicluniatus Bare-rumped Sheath-tailed Bat, Bare-rumped Sheath-tail Bat [66889]	Vulnerable	Species or species habitat may occur within area
Zyzomys pedunculatus Central Rock-rat, Antina [68]	Endangered	Species or species habitat may occur within area

PLANTS

Eleocharis papillosa Dwarf Desert Spike-rush [2519]	Vulnerable	Species or species habitat may occur within area
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REPTILES

Acanthophis hawkei Plains Death Adder [83821]	Vulnerable	Species or species habitat known to occur within area
Elseya lavarackorum Gulf Snapping Turtle [67197]	Endangered	Species or species habitat known to occur within area

SHARKS

Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat known to occur within area
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Migratory Species

[[Resource Information](#)]

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area

Migratory Marine Species

Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat known to occur within area

Migratory Terrestrial Species

Cecropis daurica Red-rumped Swallow [80610]		Species or species habitat may occur within area
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Migratory Wetlands Species		
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Commonwealth Lands [\[Resource Information \]](#)

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Name
Commonwealth Land - Commonwealth Land - Australian Government Solicitor Commonwealth Land - Department of Administrative Services Commonwealth Land - Department of Transport & Regional Development Defence - NORFORCE DEPOT - TENNANT CREEK Defence - RSL Hall

Listed Marine Species [\[Resource Information \]](#)

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Birds		
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Cuculus saturatus Oriental Cuckoo, Himalayan Cuckoo [710]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundo daurica Red-rumped Swallow [59480]		Species or species habitat may occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area
Reptiles		
Crocodylus johnstoni Freshwater Crocodile, Johnston's Crocodile, Johnston's River Crocodile [1773]		Species or species habitat may occur within area
Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area

Extra Information

State and Territory Reserves	[Resource Information]
Name	State
Attack Creek	NT
Barrow Creek Telegraph Station	NT
Connells Lagoon	NT
Dulcie Range	NT
Iytwelepenty / Davenport Ranges	NT
Iytwelepenty / Davenport Ranges National Park (Proposed)	NT
John Flynn	NT
Karlu Karlu / Devils Marbles	NT
Lake Woods	NT
Longreach Waterhole Protected Area	NT
Northern Tanami	NT
Southern Tanami	NT
Tennant Creek Telegraph Station	NT

Invasive Species [Resource Information]

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resources Audit,

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Frogs		
Rhinella marina Cane Toad [83218]		Species or species habitat likely to occur within area
Mammals		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Bubalus bubalis Water Buffalo, Swamp Buffalo [1]		Species or species habitat likely to occur within area
Camelus dromedarius Dromedary, Camel [7]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Equus asinus Donkey, Ass [4]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur

Name	Status	Type of Presence within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area
Sus scrofa Pig [6]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area

Plants

Acacia nilotica subsp. indica Prickly Acacia [6196]		Species or species habitat may occur within area
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
Jatropha gossypifolia Cotton-leaved Physic-Nut, Bellyache Bush, Cotton-leaf Physic Nut, Cotton-leaf Jatropha, Black Physic Nut [7507]		Species or species habitat likely to occur within area
Parkinsonia aculeata Parkinsonia, Jerusalem Thorn, Jelly Bean Tree, Horse Bean [12301]		Species or species habitat likely to occur within area
Parthenium hysterophorus Parthenium Weed, Bitter Weed, Carrot Grass, False Ragweed [19566]		Species or species habitat likely to occur within area
Prosopis spp. Mesquite, Algaroba [68407]		Species or species habitat likely to occur within area
Tamarix aphylla Athel Pine, Athel Tree, Tamarisk, Athel Tamarisk, Athel Tamarix, Desert Tamarisk, Flowering Cypress, Salt Cedar [16018]		Species or species habitat likely to occur within area
Vachellia nilotica Prickly Acacia, Blackthorn, Prickly Mimosa, Black Piquant, Babul [84351]		Species or species habitat likely to occur within area

Reptiles

Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
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Nationally Important Wetlands [Resource Information]

Name	State
Corella Lake	NT
Eva Downs Swamp	NT
Lake Sylvester	NT
Lake Woods	NT
Lake de Burgh	NT
Tarrabool Lake	NT

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World and National Heritage properties, Wetlands of International and National Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environment and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-Forestry Corporation, NSW](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

[Please feel free to provide feedback via the Contact Us page.](#)

APPENDIX ELEVEN

SOUTHERN PROJECT AREA

H S & E Policy



3 Kimberley Street, West Leederville WA 6007
PO BOX 1573 West Perth WA 6872
Telephone 08 9381 7838 Facsimile 08 9381 5375
Email: info@emmersonresources.com.au
Website: www.emmersonresources.com.au
ABN 53 117 086 745

Health, Safety, Environment & Community Policy

Emmerson Resources Limited is committed to proactive development of our HSEC (Health, Safety, Environment, and Community) values and culture.

In support of this policy, Emmerson Resources Limited will:

- J Ensure that employees and contractors have access to appropriate training, suitable equipment and effective supervision;
- J Meet statutory regulations and use "best practice" as our minimum standard and ensure all employees and contractors are aware of their legislative obligations and work in a safe and healthy manner, and in a way that minimises the impact of their activities on the environment and the community;
- J Measure and benchmark HSEC performance, to achieve continuous improvement;
- J Manage risks through hazard identification, assessment and appropriate corrective actions;
- J Maintain our licence to operate by engaging and communicating with all stakeholders and above all respecting the wishes of the traditional owners on whose land we explore;
- J Fostering a proactive HSEC culture is everyone's responsibility and thus all employees and contractors are expected to follow workplace practices and actively contribute to their improvement.

A handwritten signature in black ink that reads 'Rob Bills'.

Rob Bills

Managing Director and Chief Executive Officer

20/03/2017

APPENDIX TWELVE

SOUTHERN PROJECT AREA

Rehabilitation Register

Reporting Period	Tenement	MMP Reference	Drill Hole ID	Easting	Northing	Date Drilled	Total Depth	Drilling Method
2008	EL 23285	0475-01	NERB001	409699.95	7826551.31	09-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB002	409697.56	7826578.17	09-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB003	409695.07	7826609.40	10-Oct-08	35	RAB
2008	EL 23285	0475-01	NERB004	409691.80	7826638.44	10-Oct-08	27	RAB
2008	EL 23285	0475-01	NERB005	409689.44	7826669.38	10-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB006	409686.58	7826699.27	11-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB007	409749.80	7826556.58	11-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB008	409746.10	7826586.54	11-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB009	409744.04	7826614.17	11-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB010	409741.94	7826645.04	11-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB011	409739.28	7826674.29	11-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB012	409736.70	7826703.83	11-Oct-08	40	RAB
2008	EL 23285	0475-01	NERB013	409799.52	7826558.94	12-Oct-08	44	RAB
2008	EL 23285	0475-01	NERB014	409797.23	7826588.15	13-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB015	409795.02	7826615.16	14-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB016	409792.15	7826647.50	14-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB017	409789.39	7826677.29	14-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB018	409786.58	7826708.19	14-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB019	409850.42	7826562.80	22-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB020	409848.05	7826592.91	22-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB021	409844.68	7826623.83	22-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB022	409841.52	7826654.39	23-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB023	409838.42	7826682.20	23-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB024	409835.52	7826713.01	23-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB025	409899.61	7826567.64	23-24-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB026	409896.89	7826597.82	24-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB027	409894.33	7826627.42	24-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB028	409891.42	7826657.25	24-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB029	409889.05	7826686.54	24-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB030	409886.51	7826716.86	24-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB031	409949.36	7826571.28	25-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB032	409946.47	7826602.03	25-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB033	409942.53	7826630.77	25-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB034	409941.65	7826661.33	25-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB035	409938.84	7826690.80	25-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB036	409936.16	7826720.53	25-26-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB037	409998.52	7826578.16	26-Oct-08	60	RAB
2008	EL 23285	0475-01	NERB038	409996.48	7826605.57	26-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB039	409993.61	7826635.72	26-Oct-08	54	RAB
2008	EL 23285	0475-01	NERB040	409991.17	7826666.10	26-Oct-08	48	RAB
2008	EL 23285	0475-01	NERB041	409988.35	7826695.88	26-Oct-08	51	RAB
2008	EL 23285	0475-01	NERB042	409985.99	7826725.50	26-Oct-08	48	RAB
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2008	SEL24980	0475-01	TRB003	401996.86	7826659.92	30-Oct-08	51	RAB

2008	SEL24980	0475-01	TRB004	401995.29	7826689.88	30-Oct-08	51	RAB
2008	SEL24980	0475-01	TRB005	401993.72	7826719.84	30-Oct-08	51	RAB
2008	SEL24980	0475-01	TRB006	401992.15	7826749.79	31-Oct-08	51	RAB
2008	SEL24980	0475-01	TRB007	401990.58	7826779.75	31-Oct-08	51	RAB
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2008	SEL24980	0475-01	TRB011	402100.00	7826690.00	16-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB012	402100.00	7826720.00	16-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB013	402100.00	7826750.00	16-Nov-08	36	RAB
2008	SEL24980	0475-01	TRB014	402100.00	7826780.00	16-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB015	402200.00	7826790.00	16-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB016	402200.00	7826760.00	16-Nov-08	30	RAB
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2008	SEL24980	0475-01	TRB018	402200.00	7826700.00	17-Nov-08	36	RAB
2008	SEL24980	0475-01	TRB019	402300.00	7826800.00	17-Nov-08	36	RAB
2008	SEL24980	0475-01	TRB020	402500.00	7826810.00	17-Nov-08	45	RAB
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2008	SEL24980	0475-01	TRB026	402500.00	7826630.00	18-Nov-08	33	RAB
2008	SEL24980	0475-01	TRB027	402400.00	7826620.00	18-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB028	402400.00	7826650.00	18-Nov-08	48	RAB
2008	SEL24980	0475-01	TRB029	402400.00	7826680.00	18-Nov-08	33	RAB
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2008	SEL24980	0475-01	TRB031	402400.00	7826740.00	19-Nov-08	36	RAB
2008	SEL24980	0475-01	TRB032	402300.00	7826650.00	19-Nov-08	42	RAB
2008	SEL24980	0475-01	TRB033	402300.00	7826620.00	19-Nov-08	36	RAB
2008	SEL24980	0475-01	TRB034	402500.00	7826600.00	20-Nov-08	54	RAB
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2008	SEL24980	0475-01	TRB040	402055.00	7826356.00	21-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB041	402050.00	7826400.00	21-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB042	402045.00	7826430.00	21-Nov-08	30	RAB
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2008	SEL24980	0475-01	TRB044	401840.00	7826740.00	21-Nov-08	33	RAB
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2008	SEL24980	0475-01	TRB051	401790.00	7826630.00	22-Nov-08	36	RAB

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2008	SEL24980	0475-01	TRB054	401790.00	7826710.00	23-Nov-08	33	RAB
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2008	SEL24980	0475-01	TRB056	401790.00	7826760.00	23-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB057	401740.00	7826760.00	23-Nov-08	36	RAB
2008	SEL24980	0475-01	TRB058	401740.00	7826730.00	23-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB059	401740.00	7826705.00	23-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB060	401740.00	7826680.00	24-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB061	401740.00	7826650.00	24-Nov-08	33	RAB
2008	SEL24980	0475-01	TRB062	401740.00	7826625.00	24-Nov-08	30	RAB
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2008	SEL24980	0475-01	TRB065	401690.00	7826630.00	24-Nov-08	42	RAB
2008	SEL24980	0475-01	TRB066	401690.00	7826655.00	25-Nov-08	30	RAB
2008	SEL24980	0475-01	TRB067	401690.00	7826680.00	25-Nov-08	30	RAB
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2008	SEL24980	0475-01	TRB079	401600.00	7826625.00	28-Nov-08	42	RAB
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2008	SEL24980	0475-01	TRB082	401600.00	7826700.00	28-Nov-08	42	RAB
2008	SEL24980	0475-01	TRB083	401600.00	7826725.00	01-Dec-08	51	RAB
2008	SEL24980	0475-01	TRB084	401600.00	7826750.00	01-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB085	401540.00	7826850.00	02-Dec-08	42	RAB
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2008	SEL24980	0475-01	TRB087	401540.00	7826800.00	03-Dec-08	51	RAB
2008	SEL24980	0475-01	TRB088	401540.00	7826775.00	03-Dec-08	39	RAB
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2008	SEL24980	0475-01	TRB095	401490.00	7826710.00	04-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB096	401490.00	7826735.00	04-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB097	401490.00	7826760.00	05-Dec-08	51	RAB
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2008	SEL24980	0475-01	TRB124	401340.00	7826660.00	10-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB125	401290.00	7826660.00	10-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB126	401290.00	7826685.00	10-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB127	401290.00	7826710.00	10-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB128	401290.00	7826735.00	10-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB129	401290.00	7826760.00	12-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB130	401290.00	7826785.00	12-Dec-08	45	RAB
2008	SEL24980	0475-01	TRB131	401290.00	7826810.00	12-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB132	401290.00	7826835.00	12-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB133	401240.00	7826775.00	13-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB134	401240.00	7826750.00	14-Dec-08	57	RAB
2008	SEL24980	0475-01	TRB135	401240.00	7826725.00	14-Dec-08	51	RAB
2008	SEL24980	0475-01	TRB136	401240.00	7826700.00	14-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB137	401240.00	7826675.00	14-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB138	401360.00	7826345.00	14-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB139	401360.00	7826320.00	15-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB140	401360.00	7826270.00	15-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB141	401420.00	7826350.00	15-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB142	401480.00	7826350.00	15-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB143	401480.00	7826325.00	16-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB144	401480.00	7826300.00	16-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB145	401480.00	7826275.00	16-Dec-08	48	RAB
2008	SEL24980	0475-01	TRB146	401480.00	7826250.00	16-Dec-08	42	RAB
2008	SEL24980	0475-01	TRB147	401480.00	7826225.00	16-Dec-08	42	RAB

2008	SEL24980	0475-01	TRB148	410420.00	7826225.00	16-Dec-08	48	RAB
2008	SEL24980	0475-01	TRB149	410420.00	7826250.00	16-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB150	401420.00	7826275.00	17-Dec-08	48	RAB
2008	SEL24980	0475-01	TRB151	392420.00	7826300.00	17-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB152	383420.00	7826325.00	17-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB153	401360.00	7826295.00	17-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB154	401360.00	7826245.00	17-Dec-08	57	RAB
2008	SEL24980	0475-01	TRB155	401360.00	7826220.00	17-Dec-08	45	RAB
2008	SEL24980	0475-01	TRB156	401520.00	7826225.00	17-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB157	401520.00	7826250.00	18-Dec-08	48	RAB
2008	SEL24980	0475-01	TRB158	401520.00	7826275.00	18-Dec-08	39	RAB
2008	SEL24980	0475-01	TRB159	401520.00	7826300.00	18-Dec-08	39	RAB
2009	SEL24980	0475-01	TRB160	401521.17	7826324.58	06-Jan-09	51	RAB
2009	SEL24980	0475-01	TRB161	401519.36	7826349.79	06-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB162	401466.21	7826372.95	07-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB163	401567.61	7826377.28	07-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB164	401570.19	7826352.62	07-Jan-09	45	RAB
2009	SEL24980	0475-01	TRB165	401572.06	7826327.75	07-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB166	401571.98	7826302.39	07-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB167	401573.62	7826277.01	07-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB168	401575.36	7826252.46	07-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB169	401576.02	7826227.65	08-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB170	401626.75	7826229.83	08-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB171	401625.21	7826254.96	08-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB172	401624.34	7826279.31	08-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB173	401622.25	7826305.38	08-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB174	401622.15	7826327.46	08-Jan-09	52	RAB
2009	SEL24980	0475-01	TRB175	401619.50	7826354.03	08-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB176	401669.07	7826379.26	09-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB177	401670.02	7826357.05	09-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB178	401670.78	7826330.77	09-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB179	401672.53	7826307.13	09-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB180	401675.01	7826283.14	09-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB181	401675.70	7826258.32	09-Jan-09	45	RAB
2009	SEL24980	0475-01	TRB182	401722.84	7826285.13	09-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB183	401722.17	7826310.51	10-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB184	401720.96	7826335.25	10-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB185	401719.41	7826360.32	10-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB186	401768.30	7826387.96	10-Jan-09	42	RAB
2009	SEL24980	0475-01	TRB187	401769.30	7826362.53	10-Jan-09	39	RAB
2009	SEL24980	0475-01	TRB188	401770.92	7826337.84	10-Jan-09	42	RAB
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2009	SEL24980	0475-01	TRB194	400417.16	7826536.76	12-Jan-09	51	RAB
2009	SEL24980	0475-01	TRB195	400439.57	7826557.67	12-Jan-09	54	RAB

2009	SEL24980	0475-01	TRB196	400462.63	7826578.83	12-Jan-09	51	RAB
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2009	SEL24980	0475-01	TRB198	400495.08	7826540.34	13-Jan-09	57	RAB
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2009	SEL24980	0475-01	TRB203	400328.04	7826590.64	14-Jan-09	51	RAB
2009	SEL24980	0475-01	TRB204	400350.31	7826607.66	14-Jan-09	57	RAB
2009	SEL24980	0475-01	TRB205	400372.72	7826628.74	14-Jan-09	51	RAB
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2009	SEL24980	0475-01	PNRB149	398500.295	7829774.912	9/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB150	398500.639	7829800.977	9/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB151	398501.068	7829825.151	9/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB152	398500.133	7829849.823	9/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB154	398501.114	7829900.087	9/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB155	398450.529	7829650.865	9/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB156	398450.599	7829676.009	9/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB157	398450.674	7829702.218	9/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB160	398451.021	7829775.482	9/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB161	398449.889	7829801.216	10/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB162	398449.828	7829825.364	10/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB163	398449.892	7829850.073	10/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB164	398451.011	7829875.557	10/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB165	398451.211	7829900.496	10/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB166	398399.933	7829650.414	10/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB168	398400.807	7829701.036	10/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB169	398400.726	7829725.061	10/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB178	398349.802	7829674.488	11/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB179	398351.106	7829699.477	11/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB180	398349.741	7829724.945	11/08/2009	36	RAB
2009	SEL24980	0475-01	PNRB181	398349.741	7829750.632	11/08/2009	54	RAB
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2009	SEL24980	0475-01	PNRB184	398347.291	7829824.884	12/08/2009	33	RAB

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2009	SEL24980	0475-01	PNRB212	398200.188	7829800.028	14/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB222	398149.933	7829775.067	15/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB231	398100.066	7829728.38	16/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB247	398701.735	7829624.978	17/08/2009	60	RAB
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2009	SEL24980	0475-01	PNRB253	398751.417	7829625.46	17/08/2009	60	RAB
2009	SEL24980	0475-01	PNRB254	398751.571	7829649.271	17/08/2009	60	RAB
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2009	SEL24980	0475-01	PNRB263	398851.07	7829580.282	18/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB265	398851.498	7829625.751	18/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB266	398901.242	7829498.314	19/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB267	398901.403	7829525.613	19/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB272	398130.397	7830254.454	20/08/2009	32	RAB
2009	SEL24980	0475-01	PNRB273	398131.083	7830284.771	21/08/2009	60	RAB
2009	SEL24980	0475-01	PNRB274	398369.843	7830235.298	21/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB275	398370.532	7830259.773	21/08/2009	60	RAB
2009	SEL24980	0475-01	PNRB276	398370.543	7830284.639	21/08/2009	36	RAB
2009	SEL24980	0475-01	PNRB277	398500.613	7830399.711	21/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB278	398501.133	7830424.401	21/08/2009	60	RAB
2009	SEL24980	0475-01	PNRB279	398501.439	7830450.086	29/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB280	398501.365	7830479.169	29/08/2009	33	RAB

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2009	SEL24980	0475-01	PNRB282	398501.607	7830524.756	29/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB283	398501.483	7830550.024	29/08/2009	36	RAB
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2009	SEL24980	0475-01	PNRB285	398501.668	7830600.162	29/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB286	398501.555	7830621.284	29/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB287	398550.586	7830400.64	29/08/2009	48	RAB
2009	SEL24980	0475-01	PNRB288	398551.137	7830425.881	29/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB289	398551.17	7830449.32	29/08/2009	18	RAB
2009	SEL24980	0475-01	PNRB290	398551.346	7830453.141	29/08/2009	36	RAB
2009	SEL24980	0475-01	PNRB291	398551.547	7830473.783	29/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB292	398551.701	7830499.964	29/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB293	398551.198	7830524.582	29/08/2009	33	RAB
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2009	SEL24980	0475-01	PNRB295	398551.352	7830575.976	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB296	398551.388	7830599.689	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB297	398550.028	7830625.158	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB298	398601.07	7830398.762	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB299	398601.267	7830426.023	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB300	398601.445	7830449.311	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB301	398601.254	7830474.715	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB302	398601.488	7830499.435	30/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB303	398601.369	7830526.157	31/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB304	398601.217	7830549.314	31/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB305	398601.042	7830574.207	31/08/2009	33	RAB
2009	SEL24980	0475-01	PNRB306	398600.852	7830600.363	31/08/2009	60	RAB
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2009	SEL24980	0475-01	PNRB308	398050.26	7829870.951	31/08/2009	60	RAB
2009	SEL24980	0475-01	PNRB309	398050.991	7829899.675	31/08/2009	60	RAB
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2009	SEL24980	0475-01	TNRB002	399466.66	7824592.14	1/09/2009	48	RAB
2009	SEL24980	0475-01	TNRB003	399474.79	7824620.39	1/09/2009	48	RAB
2009	SEL24980	0475-01	TNRB004	399480.022	7824640.88	1/09/2009	42	RAB
2009	SEL24980	0475-01	TNRB005	399486.485	7824665.44	1/09/2009	48	RAB
2009	SEL24980	0475-01	TNRB006	399492.981	7824688.86	1/09/2009	48	RAB
2009	SEL24980	0475-01	TNRB007A	399499.943	7824714.325	2/09/2009	20	RAB
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2009	SEL24980	0475-01	TNRB009	399512.728	7824762.843	2/09/2009	44	RAB
2009	SEL24980	0475-01	TNRB010	399519.285	7824787.623	2/09/2009	28	RAB
2009	SEL24980	0475-01	TNRB011	399525.692	7824811.117	2/09/2009	44	RAB
2009	SEL24980	0475-01	TNRB012	399532.411	7824836.143	2/09/2009	37	RAB
2009	SEL24980	0475-01	TNRB013	399539.276	7824861.142	2/09/2009	44	RAB
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2009	SEL24980	0475-01	TNRB020	399550.7	7824520.234	4/09/2009	22	RAB
2009	SEL24980	0475-01	TNRB021	399557.731	7824544.221	4/09/2009	44	RAB
2009	SEL24980	0475-01	TNRB022	399564.268	7824567.89	4/09/2009	19	RAB
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2009	SEL24980	0475-01	TNRB024	399577.147	7824616.025	4/09/2009	20	RAB
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2009	SEL24980	0475-01	TNRB034	399641.975	7824857.912	5/09/2009	27	RAB
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2009	SEL24980	0475-01	TNRB167	393284.9	7830381.03	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB168	393307.85	7830413.79	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB169	393330.79	7830446.56	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB170	393353.73	7830479.33	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB171	393376.67	7830512.09	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB172	393399.62	7830544.86	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB173	393422.56	7830577.62	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB174	393445.5	7830610.39	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB175	393468.45	7830643.16	4/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB176	393491.39	7830675.92	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB177	393514.33	7830708.69	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB178	393537.28	7830741.45	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB179	393560.22	7830774.22	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB180	393583.16	7830806.99	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB181	393606.11	7830839.75	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB182	393629.05	7830872.52	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB183	392776.93	7830004.25	5/11/2009	36	RAB
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2009	SEL24980	0475-01	TNRB189	392914.58	7830200.85	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB190	392937.53	7830233.61	5/11/2009	36	RAB
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2009	SEL24980	0475-01	TNRB192	392983.41	7830299.15	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB193	393006.36	7830331.91	5/11/2009	36	RAB
2009	SEL24980	0475-01	TNRB194	393029.3	7830364.68	5/11/2009	36	RAB
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2009	SEL24980	0475-01	TNRB197	393098.13	7830462.98	6/11/2009	36	RAB
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2009	SEL24980	0475-01	TNAC305	395970	7824420	14/11/2009	89	RAB
2009	SEL24980	0475-01	TNAC306	396055	7824601	16/11/2009	56	RAB
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2009	SEL24980	0475-01	TNAC309	396308	7825145	16/11/2009	79	RAB
2009	SEL24980	0475-01	TNAC310	396393	7825326	17/11/2009	67	RAB
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2009	SEL24980	0475-01	TNAC313	396626	7825694	17/11/2009	70	RAB
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2009	SEL24980	0475-01	TNAC323	396848	7824715	20/11/2009	61	RAB
2009	SEL24980	0475-01	TNAC324	396933	7824896	20/11/2009	61	RAB
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2009	SEL24980	0475-01	TNAC326	397102	7825259	21/11/2009	69	RAB
2009	SEL24980	0475-01	TNAC327	397186	7825440	21/11/2009	55	RAB
2009	SEL24980	0475-01	TNAC328	397271	7825621	21/11/2009	54	RAB
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2009	SEL24980	0475-01	PNRB316	398350	7830650	24/11/2009	90	RAB
2009	SEL24980	0475-01	PNRB317	398350	7830625	24/11/2009	36	RAB
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2009	SEL24980	0475-01	PNRB331	398650	7830475	25/11/2009	39	RAB
2009	SEL24980	0475-01	PNRB332	398700	7830525	25/11/2009	36	RAB

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2009	SEL24980	0475-01	PNRB360	398400	7829600	26/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB361	398400	7829575	26/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB362	398450	7829600	26/11/2009	48	RAB
2009	SEL24980	0475-01	PNRB363	398450	7829575	26/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB364	398500	7829600	26/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB365	398500	7829575	26/11/2009	42	RAB
2009	SEL24980	0475-01	PNRB366	398550	7829600	26/11/2009	42	RAB
2009	SEL24980	0475-01	PNRB367	398550	7829575	26/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB368	398550	7829550	26/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB369	398550	7829525	26/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB370	398550	7829500	26/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB371	398550	7829475	27/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB372	398600	7829550	27/11/2009	42	RAB
2009	SEL24980	0475-01	PNRB373	398650	7829525	27/11/2009	48	RAB
2009	SEL24980	0475-01	PNRB374	398750	7829500	27/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB375	398750	7829475	27/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB376	398800	7829475	27/11/2009	42	RAB
2009	SEL24980	0475-01	PNRB377	398800	7829450	27/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB378	398850	7829475	27/11/2009	42	RAB
2009	SEL24980	0475-01	PNRB379	398850	7829450	27/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB380	398900	7829450	27/11/2009	42	RAB

2009	SEL24980	0475-01	PNRB381	398300	7829575	27/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB382	398250	7829575	27/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB383	398200	7829575	28/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB384	398150	7829575	28/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB385	398100	7829575	28/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB386	398050	7829575	28/11/2009	36	RAB
2009	SEL24980	0475-01	PNRB387	398300	7830690	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB388	398280	7830670	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB389	398260	7830650	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB390	398240	7830630	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB391	398220	7830610	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB392	398200	7830590	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB393	398180	7830570	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB394	398300	7830610	28/11/2009	66	RAB
2009	SEL24980	0475-01	PNRB395	398280	7830590	28/11/2009	78	RAB
2009	SEL24980	0475-01	PNRB396	398260	7830570	28/11/2009	68	RAB
2009	SEL24980	0475-01	PNRB397	398240	7830550	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB398	398220	7830530	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB399	398200	7830510	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB400	398180	7830490	28/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB401	398160	7830470	30/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB402	398140	7830450	30/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB403	398120	7830430	30/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB404	398100	7830410	30/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB405	398410	7830530	30/11/2009	66	RAB
2009	SEL24980	0475-01	PNRB406	398390	7830510	30/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB407	398370	7830490	30/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB408	398350	7830470	30/11/2009	60	RAB
2009	SEL24980	0475-01	PNRB409	398330	7830450	30/11/2009	66	RAB
2008	MLC18	0475-01	WGRC024	409613.36	7826880.29	16-Apr-08	143	RC
2008	MLC18	0475-01	WGRC025	409675.06	7826891.03	19-Apr-08	126	RC
2008	MLC18	0475-01	WGRC026	409629.82	7826951.78	25-Apr-08	227	RC
2008	MLC18	0475-01	WGRC027	409680.14	7826779.26	26-Apr-08	227	RC
2008	MLC18	0475-01	WGRC028	409604.24	7826904.89	27-29-Apr-08	275	RC
2008	MLC18	0475-01	WGRC029	409801.79	7826880.30	01-May-08	245	RC
2008	MLC18	0475-01	WGRC030	409726.80	7826898.47	2-3-May-08	216	RC
2008	MLC18	0475-01	WGRC031	409677.53	7826822.41	4-7 May 08	261	RC
2008	MLC18	0475-01	WGRC032	409629.82	7826910.71	8-9 May 08	227	RC
2008	MLC 18	0475-01	WGRC033	409623.08	7826880.50	22-Jun-08	137	RC
2008	MLC 18	0475-01	WGRC034	409590.00	7826870.83	23-Jun-08	113	RC
2008	MLC 18	0475-01	WGRC035	409589.57	7826890.16	24-Jun-08	114	RC
2008		0475-01						RC
2008	MLC 18	0475-01	WGRC036	409599.41	7826884.16	24-Jun-08	131	RC
2008	MLC 18	0475-01	WGRC037	409610.00	7826900.27	26-Jun-08	173	RC
2008	MLC 18	0475-01	WGRC038	409623.14	7826889.65	27-Jun-08	137	RC
2008	MLC 18	0475-01	WGRC039	409629.84	7826893.33	27-Jun-08	137	RC
2008	MLC 18	0475-01	WGRC040	409569.33	7826880.86	29-Jun-08	101	RC
2008	MLC 18	0475-01	WGRC041	409579.67	7826870.06	29-Jun-08	101	RC

2008	MLC 18	0475-01	WGRC042	409579.56	7826860.68	30-Jun-08	95	RC
2008	MLC 18	0475-01	WGRC043	409610.21	7826866.97	09-Jul-08	125	RC
2008	MLC 18	0475-01	WGRC044	409649.92	7826880.51	09-Jul-08	113	RC
2008	MLC 18	0475-01	WGRC045	409549.02	7826833.30	10-Jul-08	83	RC
2008	MLC 18	0475-01	WGRC046	409560.10	7826840.61	10-Jul-08	95	RC
2008	MLC 18	0475-01	WGRC047	409579.77	7826850.71	10-Jul-08	89	RC
2008	MLC 18	0475-01	WGRC048	409639.30	7826880.72	11-Jul-08	113	RC
2008	EL22240	0475-01	MARC204	404179.27	7826699.94	24-Jul-08	227	RC
2008	EL22240	0475-01	MARC205	404194.52	7826699.48	24-29-Jul-08	221	RC
2008	EL22240	0475-01	MARC206	404207.12	7826703.11	30-31-Jul-08	221	RC
2008	EL 10199	0475-01	MARC207	404279.988	7826599.228	22-23-Sep-08	172	RC
2008	EL 10199	0475-01	MARC208	404299.773	7826610.469	24-25-Sep-08	196	RC
2008	EL 10199	0475-01	MARC209	404320.009	7826600.174	25-26-Sep-08	214	RC
2008	EL 10199	0475-01	MARC210	404389.897	7826649.872	26-27-Sep-08	154	RC
2008	EL 10199	0475-01	MARC211	404409.721	7826569.674	25-Oct-08	112	RC
2008	EL 10199	0475-01	MARC212	404429.815	7826578.859	25-Oct-08	102	RC
2008	EL 10199	0475-01	MARC213	404419.721	7826634.628	25-Oct-08	90	RC
2008	EL 23284	0475-01	TRRC031	406849.776	7826879.815	26-Oct-08	150	RC
2008	EL 23284	0475-01	TRRC032	406899.746	7826819.798	26-Oct-08	150	RC
2008	EL 23284	0475-01	TRRC033	406924.808	7826839.891	27-Oct-08	138	RC
2008	EL 23284	0475-01	TRRC034	406924.999	7826945.028	28-Oct-08	210	RC
2008	EL 23284	0475-01	TRRC035	406874.813	7826893.163	29-Oct-08	138	RC
2008	EL 23284	0475-01	TRRC036	406949.994	7826962.562	30-Oct-08	192	RC
2008	EL 23284	0475-01	TRRC037	407324.774	7826929.480	31-Oct-08	156	RC
2008	EL 23284	0475-01	TRRC038	407249.892	7826909.110	31-Oct-08	80	RC
2008	EL 23284	0475-01	NBRC001	409889.921	7826885.267	1-2-Nov-08	246	RC
2008	EL 23284	0475-01	SHRC001	407368.304	7826860.646	3-7-Nov-08	348	RC
2008	EL 23284	0475-01	MORC008	409275.189	7826799.310	7-8-Nov-08	108	RC
2008	EL 23284	0475-01	MORC009	409274.184	7826809.930	8-10-Nov-08	348	RC
2008	EL 23284	0475-01	ANRC001	408210.190	7827099.589	11-14-Nov-08	378	RC
2008	EL 23284	0475-01	ANRC002	408434.948	7827230.136	14-18-Nov-08	408	RC
2008	EL 23284	0475-01	MORC010	408434.832	7826753.943	19-Nov-08	150	RC
2009	EL 23284	0475-01	ANRC003	408214.763	7827076.79	20-21/04/09	257	RC
2009	EL 23284	0475-01	ANRC004	408179.668	7827100.15	22-24/04/09	335	RC
2009	EL 23284	0475-01	ANDD01	408219.87	7827159.81	10-11/06/2009		RC
2009	SEL 24980	0475-01	TKRC007	400444.82	7826654.50	11-13/06/2009	203	RC
2009	SEL 24980	0475-01	TKRC008	400974.88	7826514.70	13-14/06/2009	205	RC
2009	SEL 24980	0475-01	TKRC009	401399.97	7826869.02	14-16/06/2009	251	RC
2009	SEL 24980	0475-01	TKRC010	402069.89	7826869.877	16-19/06/2009	421	RC
2009	SEL 24980	0475-01	TKRC011	402440.31	7826579.09	16-18/07/2009	299	RC
2009	SEL 24980	0475-01	TKDD001	400220.20	7826550.41	18-19/07/2009		RC
2009	SEL 24980	0475-01	TKRC012	400468.49	7826588.00	19/07/09	149	RC
2009	SEL 24980	0475-01	TKDD003	400319.93	7826749.79	20-21/07/2009		RC
2009	SEL 24980	0475-01	TKDD002	402424.91	7826759.95	22-23/07/2009		RC
2009	SEL 24980	0475-01	TKDD004	402200.11	7826719.36	23/07/09		RC
2009	SEL 24980	0475-01	TKRC013	402459.94	7826459.75	24/07/09	197	RC
2009	SEL 24980	0475-01	TKRC014	402029.96	7826719.21	25/07/09	155	RC
2009	SEL 24980	0475-01	TKRC015	401279.72	7826751.55	26-27/07/2009	121	RC
2009	SEL 24980	0475-01	TKRC016	401329.43	7826771.97	27-28/07/2009	118	RC

2009	SEL 24980	0475-01	TNDD001	396939.83	7826380.57	28-29/07/2009		RC
2009	SEL 24980	0475-01	TNDD002	396949.93	7826480.94	29-31/07/2009		RC
2009	SEL 24980	0475-01	TNDD003	396860.13	7826531.37	31/07-01/08/2009		RC
2009	SEL 24980	0475-01	TNRC008	396763.54	7826560.19	01/08/2009-8/	334	RC
2009	SEL 24980	0475-01	TNDD004	396954.46	7826744.16	8/08/2009-9/08/2009		RC
2009	SEL 24980	0475-01	TNRC009	396708.10	7826009.44	10/08/2009-12/	305	RC
2009	SEL 24980	0475-01	TNDD005	396850.81	7826222.54	13/08/09		RC
2009	SEL 24980	0475-01	PNRC001	398264.75	7830389.87	14-16/08/2009	305	RC
2009	SEL 24980	0475-01	PNRC002	398405.13	7830610.49	16-20/08/2009	377	RC
2009	SEL 24980	0475-01	PNDD003	398325.09	7830200.41	21-22/08/2009		RC
2009	SEL 24980	0475-01	TNDD006	398750.37	7825811.50	22-24/08/2009		RC
2009	SEL 24980	0475-01	TNDD007	398924.41	7825618.86	24-25/08/2009		RC
2009	SEL 24980	0475-01	TNRC010	398960.18	7825400.64	25-27/08/2009	197	RC
2009	SEL 24980	0475-01	TNRC011	399910.15	7825271.07	27-29/08/09	201	RC
2009	SEL 24980	0475-01	TNDD012	397064.75	7827009.56	29-30/08/09		RC
2009	SEL 24980	0475-01	TNRC013	395139.58	7827969.05	30-1/09/2009	202	RC
2009	SEL 24980	0475-01	TNRC015	395029.41	7827708.99	1/09/2009-2/0	201	RC
2009	SEL 24980	0475-01	TNRC016	395079.36	7827834.20	3/09/09	202	RC
2009	SEL 24980	0475-01	TNRC017	396551.51	7825694.48	4/09/09	100	RC
2009	SEL 24980	0475-01	TNRC019	396618.42	7825830.31	4/09/09	100	RC
2009	SEL 24980	0475-01	TNRC020	397122.86	7827147.87	5/09/09	100	RC
2009	SEL 24980	0475-01	TNRC021	397181.13	7827299.95	5/09/09	100	RC
2009	SEL 24980	0475-01	TNRC022	397238.20	7827437.34	6/09/09	100	RC
2009	SEL 24980	0475-01	TNRC023	397291.05	7827573.83	7/09/2009-8/0	202	RC
2009	SEL 24980	0475-01	TNRC024	397348.00	7827711.23	9/09/09	100	RC
2009	SEL 24980	0475-01	PNDD004	398449.39	7830010.00	9/09/09		RC
2009	SEL 24980	0475-01	PNDD005	398443.93	7830010.97	9-10/09/09		RC
2009	SEL 24980	0475-01	PNRC006	398019.52	7829919.00	10/09/09	125	RC
2009	SEL 24980	0475-01	PNRC007	398069.87	7829920.11	11/09/09	173	RC
2009	SEL 24980	0475-01	PNRC008	398119.97	7829895.10	11/09/2009-	155	RC
2009	SEL 24980	0475-01	PNRC010	398319.74	7829829.68	16/09/09	138	RC
2009	SEL 24980	0475-01	PNRC011	398519.54	7829744.09	16/09/09	138	RC
2009	SEL 24980	0475-01	PNRC012	398720.05	7829665.72	17/09/09	144	RC
2009	SEL 24980	0475-01	PNRC013	398919.94	7829600.50	17/09/09	150	RC
2009	SEL 24980	0475-01	PNRC014	398819.66	7829629.75	18/09/09	150	RC
2009	SEL 24980	0475-01	PNRC015	398620.02	7829720.61	18/09/09	150	RC
2009	SEL 24980	0475-01	PNRC016	398419.95	7829780.33	18/09/09	138	RC
2009	SEL 24980	0475-01	PNRC017	398219.91	7829855.30	18/09/09	126	RC
2009	SEL 24980	0475-01	TNDD025	397324.60	7827529.36	20/09/09	0	RC
2009	SEL 24980	0475-01	PNDD026	398085.13	7829649.62	2/12/09	0	RC
2009	SEL 24980	0475-01	PNDD025	398145.23	7829929.75	2-3/12/09	0	RC
2009	EL22868	0475-01	EARC007	410200.43	7830100.09	3-6/12/09	384	RC
2010	SEL24980	0475-02	PNDD027	397980.08	7829758.74	26/04/10		RC
2010	SEL24980	0475-02	PNDD028	398134.97	7829753.68	26/04/10		RC
2010	SEL24980	0475-02	PNDD029	398270.10	7829599.15	27/04/10		RC
2010	SEL24980	0475-02	PNDD030	398479.94	7829588.49	28/04/10		RC
2010	SEL24980	0475-02	PNDD031	398680.27	7829501.16	28/04/10		RC
2010	MLC48	0475-02	TIGD008	404549.81	7824292.12	29/04/10		RC
2010	MLC48	0475-02	TIGD009	404439.80	7824310.03	30/04/10		RC
2010	SEL24980	0475-02	PNDD032	398230.23	7830120.19	26/05/10		RC
2010	MLC342	0475-02	TIGD010	404779.80	7824389.92	21/09/10		RC

2010	MLC48	0475-02	TIGD011	404645.70	7824290.91	24/09/10	210	RC
2010	MLC48	0475-02	TIGD013	404449.71	7824400.21	23/09/10		RC
2010	SEL24980	0475-02	PNDD027	397980.08	7829758.74	26/10/10	159	RC
2010	MLC18	0475-02	WGRC049	409749.75	7826939.13	28/10/10	354	RC
2010	MLC18	0475-02	WGDD050	409679.81	7827120.23	29/10/10		RC
2011	EL23285	0475-03	NBRC002	409979.82	7826800.22	20/05/2011-20	132.0	RC
2011	EL23285	0475-03	NBRC003	409983.75	7826804.43	21/05/2011-22	324.0	RC
2014	MLC 176	0475-04	CHRC286	405520.25	7826637.68	7/2014 - 24/07/2014	160.0	RC
2014	MLC 176	0475-04	CHRC287	405471.29	7826614.38	24/07/2014 - 25/07/2014	142.0	RC
2014	MLC 176	0475-04	CHRC288	405486.20	7826662.46	7/2014 - 26/07/2014	190.0	RC
2014	MLC 176	0475-04	CHRC289	405520.18	7826713.47	7/2014 - 28/07/2014	260.0	RC
2014	ML 23216	0475-04	CHRC290	405056.34	7826690.08	7/2014 - 31/07/2014	280.0	RC
2014	MLC 176	0475-04	CHRC291	405406.19	7826694.18	7/2014 - 2/08/2014	235.0	RC
2014	MLC 177	0475-04	CHRC292	405314.32	7826454.74	8/2014 - 2/08/2014	118.0	RC
2014	MLC 176	0475-04	CHRC293	405540.92	7826645.67	10/2014-20/10/2014	155.0	RC
2014	MLC 176	0475-04	CHRC294	405529.86	7826739.81	10/2014-22/10/2014	137.0	RC
2014	MLC 176	0475-04	CHRC295	405459.85	7826744.75	22/10/14	131.0	RC
2014	MLC 176	0475-04	CHRC296	405272.69	7826787.64	7/10/201-23/10/2014	119	RC
2014	EL28775	0475-04	CHRC297	405189.86	7826755.02	10/2014-24/10/2014	185	RC
2015	MLC176	0475-04	CHRC298	405415.17	7826625.09	8/2015 - 23/08/2015	150.0	RC
2015	EL28601	0475-04	CHRC299	405239.83	7826765.78	8/2015 - 24/08/2015	280.0	RC
2009	SEL 24980	0475-01	TKDD002	402424.91	7826759.95	16/08/2009	403.00	DDH
2009	SEL 24980	0475-01	TKDD004	402200.11	7826719.36	20/08/2009	397.00	DDH
2009	SEL 24980	0475-01	TKDD001	400220.20	7826550.41	23/08/2009	366.00	DDH
2009	SEL 24980	0475-01	TNDD005	396850.81	7826222.54	29/08/2009	407.90	DDH
2009	SEL 24980	0475-01	TNDD014	396790.14	7826138.11	3/09/2009	305.20	DDH
2009	SEL 24980	0475-01	TNDD012	397064.75	7827009.56	4/09/2009		DDH
2009	SEL 24980	0475-01	TNDD018	397063.38	7827006.49	11/09/2009	475.70	DDH
2009	SEL 24980	0475-01	PNDD009	398440.14	7830010.76	17/09/2009	439.00	DDH
2009	SEL24980	0475-01	TKDD003	400319.93	7826749.79	21/09/2009	310.00	DDH
2009	SEL 24980	0475-01	TNDD025	397324.60	7827529.36	27/09/2009	309.90	DDH
2009	SEL 24980	0475-01	PNDD018	398229.44	7829878.84	23/10/2009	209.90	DDH
2009	SEL 24980	0475-01	PNDD019	398244.63	7829914.35	27/10/2009	310.00	DDH
2009	SEL 24980	0475-01	PNDD020	398334.91	7829860.73	30/10/2009	249.70	DDH
2009	SEL 24980	0475-01	PNDD021	398629.66	7829749.64	1/11/2009	268.00	DDH
2009	SEL 24980	0475-01	PNDD023	398174.70	7829889.32	24/11/2009	307.00	DDH
2009		0475-01	PNDD023					DDH
2009	SEL 24980	0475-01	PNDD024	398175.09	7829890.70	29/11/2009	409.00	DDH
2009	SEL24980	0475-01	PNDD001	398264.75	7830389.87	3/12/2009	495.80	DDH
2009	SEL24980	0475-01	PNDD026	398085.13	7829649.62	7/12/2009	373.00	DDH
2010	SEL24980	0475-02	PNDD026	398085.13	7829649.62	19/05/2010	600.9	DDH
2010	SEL24980	0475-02	PNDD027	397980.08	7829758.74			DDH
2010	SEL24980	0475-02	PNDD028	398134.97	7829753.68	27/05/2010	234.9	DDH
2010	SEL24980	0475-02	PNDD029	398270.10	7829599.15			DDH
2010	SEL24980	0475-02	PNDD030	398479.94	7829588.49	22/05/2010	330.3	DDH
2010		0475-02						DDH
2010	SEL24980	0475-02	PNDD031	398680.27	7829501.16	25/05/2010	359.5	DDH
2010	SEL24980	0475-02	PNDD032	398230.23	7830120.19	5/06/2010	657.9	DDH

2010	MLC48	0475-02	TIGD007	404393.93	7824262.81	10/06/2010	421.3	DDH
2010		0475-02						DDH
2010	MLC48	0475-02	TIGD009	404439.80	7824310.03	14/06/2010	403.9	DDH
2010	MLC48	0475-02	TIGD008	404549.81	7824292.12	20/06/2010	421.1	DDH
2010		0475-02						DDH
2010	MLC342	0475-02	TIGD010	404779.80	7824389.92	25/09/2010	379.00	DDH
2010	MLC48	0475-02	TIGD012	404569.97	7824410.05	21/09/2010	604.00	DDH
2010	MLC48	0475-02	TIGD014	404299.91	7824340.43	3/09/2010	489.90	DDH
2010	MLC18	0475-02	WGDD050	409679.81	7827120.23	4/11/2010	436.00	DDH
2010	MLC18	0475-02	WGBDD06B	409716.49	7827019.76	10/11/2010	520.00	DDH
2010	MLC18	0475-02	WGDD051	409679.90	7826900.36	20/11/2010	276.90	DDH
2010	MLC18	0475-02	WGBDD06BW1	409716.49	7827019.76	24/11/2010	330.90	DDH
2011	EL23284	0475-03	ANDD001	408219.87	7827159.81	8/05/2011	496.3	DDH
2014	MLC176	0475-04	CHDD283	405529.86	7826739.81	8/11/2014	300.7	DDH
2014	MLC176	0475-04	CHDD284	405459.85	7826744.75	3/12/2014	315.7	DDH
2014	MLC176	0475-04	CHDD285	405272.69	7826787.64	17/12/2014	465.7	DDH
2014	EL28775	0475-04	CHDD286	405189.86	7826755.02	17/12/2014	438.3	DDH
2015	EL28601	0475-04	CHDD287	405239.83	7826765.78	24/09/2015	363.7	DDH

APPENDIX THIRTEEN

SOUTHERN PROJECT AREA

Tennant Creek Station Chip Disposal Agreement

APPENDIX FOURTEEN

SOUTHERN PROJECT AREA

Security Calculation

APPENDIX FIFTEEN

SOUTHERN PROJECT AREA

Land Access Agreement – Tennant Creek Station

APPENDIX SIXTEEN

SOUTHERN PROJECT AREA

Land Access Agreement – Phillip Creek Station

APPENDIX SEVENTEEN

SOUTHERN PROJECT AREA

SPA Audit Final Report