# **Dunloe Sands Quarry**

April 2016 – June 2016 3 Month Monitoring Report

Prepared by Sasha Peterson for Ramtech Pty Ltd

### 1.0 - Lake, Groundwater and Surface Water (Surrounding Environment) Monitoring Results

	07/04	29/04	24/05	30/06
Cvanophyta	-		-	-
(cells/mL)				
Chlorophyta	9700	11800	5700	28930
(cells/mL)				

### Table 1: Lake Algae Sampling

### Graph 1: pH Sampling Chemical Analysis



**Graph 2: Electrical Conductivity Chemical Analysis** 



**Graph 3: Dissolved Oxygen Chemical Analysis** 





**Graph 4: Redox Potential Chemical Analysis** 









### Table 2: Lake Oil and Grease Sampling

<b>Oil and Grease</b>	January 2016	February 2016	March 2016
Lake (mg/L)	<2	4	<2
Interim Target	10	10	10
Criteria (mg/L)			

**Graph 7: Total Phosphorus - P Chemical Analysis** 







### **Table 3: Magnesium Chemical Analysis**

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016	7.2	0.4	-	-	-	-
(mg/L)						
Sample	40	40	40	40	40	40
Interim						
Target						
(mg/L)						

### Table 4: Sodium Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016 (mg/L)	24	11	-	-	-	-
(IIIg/L)						
Sample	280	280	280	280	280	280
Interim						
Target						
(mg/L)						

### **Table 5: Potassium Chemical Analysis**

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016 (mg/L)	9	<5	-	-	-	-
Sample Interim Target (mg/L)	17.5	17.5	17.5	17.5	17.5	17.5

Table 6:	Sulfur	as Sulfate	Chemical	Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June	185	9.6	-	-	-	-
2016						
(mg/L)						
Sample	175	175	175	175	175	175
Interim						
Target						
(mg/L)						

### Table 7: Aluminium (Total) Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016 (mg/L)	4.50	0.47	-	-	-	-
Sample Interim Target (mg/L)	0.75	0.75	0.75	0.75	0.75	0.75

### Table 8: Arsenic Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June	0.002	0.001	-	-	-	-
2016						
(mg/L)						
Sample	< 0.005	0.005	0.005	0.005	0.005	0.005
Interim						
Target						
(mg/L)						

### Table 9: Iron Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016 (mg/L)	0.41	2.51	-	-	-	-
Sample Interim Target (ug/L)	<7.5	7.5	7.5	7.5	7.5	7.5

Table	10:	Manganese	Chemical	Analy	vsis
			••		,

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June	0.555	0.014	-	-	-	-
2016						
(mg/L)						
Sample	0.15	0.15	0.15	0.15	0.15	0.15
Interim						
Target						
(mg/L)						

### Table 11: Ammonia Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016	< 0.02	-	-	-	-	-
(mg/L)						
Sample	20	20	20	20	20	20
Interim						
Target						
(mg/L)						

### Table 12: Chlorophyll 'a' Chemical Analysis

	Lake
June	16
2016	
(ug/L)	
Sample	2-10
Interim	
Target	
(ug/L)	

### Table 13: Alkalinity as CaCO3 Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June	2	3	-	-	-	-
2016						
(mg/L)						
Sample	-	185	185	185	185	185
Interim						
Target						
(mg/L)						

### Table 14:Bicarbonate as CaCO3 Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016	2	3	-	-	-	-
(mg/L)						
Sample	400	400	400	400	400	400
Interim						
Target						
(mg/L)						

### Table 15: Chloride Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June	36	18	-	-	-	-
2016						
(mg/L)						
Sample	285	285	285	285	285	285
Interim						
Target						
(mg/L)						

### Table 16: Calcium Chemical Analysis

	Lake	DLP 1	DLP 3	DLP 5	DLP 6	DLP 7
June 2016 (mg/L)	57	3.5	-	-	-	-
Sample Interim	-	55	55	55	55	55
Target (mg/L)						

### 2.0 - Air Quality Monitoring

Table 17: Deposited Dust Chemical Analysis

Units (g/m2/mth)	April	May	June
D1	0.2	0.3	0.3
D2	1.6	1.2	1.1
D3	0.2	0.3	0.3
D4	0.8	1.6	0.5

## 3.0 – Vegetation Monitoring

### 3.1 – Rehabilitation Monitoring Forms

JUNE 2016 REHABILITATION ZONE 1A



Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

FORM A: POUTINE OF	IARTERLY REHABILITATION MC	DNITORING SHEET	
	Weeds	Vegetation regeneration	
Has there been a fire within the last quarter?	Have any areas of weeds re- established within the rehabilitation zones during the	Natural regeneration is occurring in (record height range estimate):	
Do the bushfire trails or adjacent pasture areas require slashing or maintenance to reduce fire risk?	last quarter?	Iree species <u>Im</u> Shrub species <u>Im</u> ground covers <u>Im</u>	
Is there evidence of rubbish dumping within the rehabilitation zones?	What species? What management was undertaken to eradicate these	- Tree <u>Melaluca quinqui</u> - Shrub <u>Hoven acost belice</u> .	ini
Is there evidence of plant theft within the rehabilitation zone?	weeds?	- ground covers <u>Antromy</u> ths	di
Does it appear that the rehabilitation zone has been utilized for stockpiling, vehicle parking, building waste	If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation	Have you noticed any new native plant species since the last monthly inspection?	
dumping, cattle grazing or person traffic?	management plan.	If yes name the species or take a photograph	
If yes, acknowledge below what works were undertaken to rectify/restore and the date		Acknowledge that the required routine photographs have been taken within the rehabilitation zones	
Biodiversity	Modifications Have there been any structural additions (eg. new tracks,	Are any of the following performance criteria exceeded (refer Section 4.5 , below)?	
the rehabilitation zone during inspection?	buildings) to the rehabilitation zones since the last visit?	Declared Weeds? <u>NO</u> Extent of other Weeds? <u>NO</u> Survival Rate of Plants? <i>Install</i>	
If yes, what types? KoalaKapgaroo/wallaby		Condition of Plants? <u>(cood</u> · Canopy Coverage? <u>(cood</u> · Tree, Small Tree & Shrub	
Possums/gliders Small mammal (i.e. bandicoo), echidna)	What actions were undertaken to remove any illegal modifications?	<ul> <li>Diversity? <u>Lease</u></li> <li>Groundcover Coverage? <u>OK</u></li> <li>General Coverage/Success? <u>OK</u></li> </ul>	
Reptiles (i.e.snakes/bizards) 7.2.3 Birds of prey 7.2.3 Large nectar feeding birds (i.e lorikeets, parrots, cockatoos) Small tree and ground birds (i.e finches, fairy wrens, treecreepers) Glossy Black Cockatoos Other	Condition of fences Good  Need minor repair Poor (need replacement)	If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).	i ; t s r

January 2009

Page 68

JUNE 2016 REHABILITATIO ZONE 18



π

Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

FORM A: ROUTINE QUARTERLY REHABILITATION MONITORING SHEET						
General Management	Weeds	Vegetation regeneration				
Has there been a fire within the last quarter? Do the bushfire trails or adjacent pasture areas require slashing or maintenance to reduce fire risk?	Have any areas of weeds re- established within the rehabilitation zones during the last quarter?	Natural regeneration is occurring in (record height range estimate): Yes. - Tree species <u>5m</u> - Shrub species <u>2m</u> . - ground covers <u>1m</u> .				
Is there evidence of rubbish dumping within the rehabilitation zones?	What species? What management was undertaken to eradicate these	What are the dominant species within each layer? - Tree <u>Melaluca</u> /Cusuran *				
Does it appear that the rehabilitation	If management was undertaken	- ground covers <u>Ainstremy</u> the dwh Have you noticed any new native				
vehicle parking, building waste dumping, cattle grazing or person traffic?	performed in accordance with the approved rehabilitation management plan.	If yes name the species or take a photograph				
If yes, acknowledge below what works were undertaken to rectify/restore and the date		Acknowledge that the required routine photographs have been taken within the rehabilitation zones				
Biodiversity Have you spotted native fauna within the rehabilitation zone during inspection? Yes. If yes, what types? Koala	Modifications Have there been any structural additions (eg. new tracks, buildings) to the rehabilitation zones since the last visit? 	Are any of the following performance criteria exceeded (refer Section 4.5 below)? Declared Weeds? <u>//o</u> Extent of other Weeds? <u>//o</u> Survival Rate of Plants? <u>//o</u> Condition of Plants? <u>//o</u> Canopy Coverage? <u>//o</u> Tree, Small Tree & Shrub Diversity? <u>//o</u> Groundcover Coverage? General Coverage/Success? If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a				
tinches, fairy wrens, treecreepers) Glossy Black Cockatoos Other	<ul> <li>Poor (need replacement)</li> </ul>	replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).				

January 2009

Page 68

JUNE 2016 REHABILITATION ZONE 1C



Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

	DELABILITATION MO	NITORING SHEET
FORM A: ROUTINE Q	Wanda V	Vegetation regeneration
FORM A: ROUTINE Q emeral Management as there been a fire within the last larter? o the bushfire trails or adjacent asture areas require slashing or aintenance to reduce fire risk? s there evidence of rubbish dumping within the rehabilitation ones? s there evidence of plant theft within	UARTERLY REHADILITATION         Weeds         Have any areas of weeds re- established within the rehabilitation zones during the last quarter?         Isst quarter?         What species?         What management was undertaken to eradicate these weeds?	Vegetation regeneration Natural regeneration is occurring in (record height range estimate): Yes - Tree species 7m. - Shrub species 1-2m. - ground covers 1m. What are the dominant species within each layer? - Tree <u>Melalucu/Casuthin</u> /Eucrol - Shrub <u>Cuplospurmum</u> /Horen; - ground covers <u>feameer articulation</u>
he rehabilitation zone? Does it appear that the rehabilitation zone has been utilized for stockpiling vehicle parking, building waste dumping, cattle grazing or persol traffic? If yes, acknowledge below what work were undertaken to rectify/restore an the date	If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation management plan.	Have you noticed any new native plant species since the last monthly inspection? Yes If yes name the species or take a p photograph Accompany to a impart Acknowledge that the required routine photographs have been taken within the rehabilitation zones
Biodiversity Have you spotted native fauna with the rehabilitation zone duri inspection? If yes, what types? Koala	Modifications         Have there been any structural additions (eg. new tracks buildings) to the rehabilitatio zones since the last visit?         Image: Structure of the structu	Are any of the following performance criteria exceeded (refer Section 4.5 below)? Declared Weeds? <u>Mo</u> Extent of other Weeds? <u>Mo</u> Survival Rate of Plants? <u>Mo</u> Condition of Plants? <u>Mo</u> Canopy Coverage? <u>Mo</u> Tree, Small Tree & Shrub Diversity? <u>Mo</u> General Coverage? General Coverage? General Coverage? If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).

Page 68

JUNE 2016 REHABILITATION 20NES 2A+B



٤.

Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

FORM A: ROUTINE	QUARTERLY REHABILITATION	MONITORING SHEET	
General Management	Weeds	Vegetation regeneration	
Has there been a fire within the last quarter?	Have any areas of weeds re- established within the rehabilitation zones during the last quarter?	<ul> <li>Natural regeneration is occurring in (record height range estimate): 423</li> <li>Tree species <u>7m</u></li> <li>Shrub species <u>4m</u></li> <li>ground covers <u>im</u></li> </ul>	
Is there evidence of rubbish dumping within the rehabilitation zones?	What species? What management was undertaken to eradicate these weeds?	What are the dominant species within each layer? - Tree <u>Euc robustu/Mehalinea/l</u> - Shrub <u>Barlesia / Hov</u> en. - ground covers <u>Decemp</u> contradium	lasuri m
Does it appear that the rehabilitation zone has been utilized for stockpiling, vehicle parking, building waste dumping, cattle grazing or person traffic?	If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation management plan.	Have you noticed any new native plant species since the last monthly inspection? <u>Yes</u> . If yes name the species or take a photograph <u>Endiandre subc</u> . Acknowledge that the required routine photographs have been taken within the rehabilitation zones	
Biodiversity Have you spotted native fauna within the rehabilitation zone during inspection? Yes. If yes, what types? Koala Kangaroo(vallaby) Yes Possums/gliders Small mammal (i.e. bandicoot, echidna) Reptiles (i.e. snakes/lizards) Yes Birds of prey Yes Large nectar feeding birds (i.e. lorikeets, parrots, cockatoos) Small tree and ground birds (i.e. finches, fairy wrens, treecreepers) Glossy Black Cockatoos Other	Modifications Have there been any structural additions (eg. new tracks, buildings) to the rehabilitation zones since the last visit?	Are any of the following performance criteria exceeded (refer Section 4.5 below)? Declared Weeds? Extent of other Weeds? Survival Rate of Plants? Condition of Plants? Condition of Plants? Canopy Coverage? Canopy Coverage? Canopy Coverage? Canopy Coverage? Canopy Coverage? Groundcover Coverage? Groundcover Coverage? General Coverage/Success? If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).	

January 2009

Page 68

JUNE 2016



1.1

ł¢

Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

# PROFORMA FOR ASSESSING SITE CONDITION PROJECT DESCRIPTION Note: where options are given, put an 'X' next to the appropriate term(s):

Has the condition of the site changed since last assessment? YES or NO If Yes, briefly describe changes in this box, and provide of	The Zone has heavy Request and regeneration; condition of sike is excer	Current assessment conducted by: DAVE WOODLEE Date of current assessment:	Years since site commenced:	Type of on-grounds: Assisted Natural Boronautic TIRED TA + B	Site name: RETARICITATION DOTA	Project name: DUNLOF CONOR DUND
tails in table below	ent.		When was this site last assessed?	Site ID:	Project ID:	

C = Poor major problems, likely to fail Overall Condition Score (ranges from 0-100%) Multiply percentage of site occupied by each zone (A, B or C), by the condition rating for each zone (A = 1; B = 0.5; C = 0), and add the products: e.g. (70% x 1) + (20% x 0.5) + (10% x 0) = 80% B = Uncertain significant problems A = OK on track towards target Rating/ zone DETAILED DESCRIPTION OF SITE CONDITION Complete table quarterly, or if conditions have changed since last assessment. Also draw map. Area (ha) % of site Location and factors affecting outcomes × Canopy cover (%) X Ground cover Problem weeds × X Tree survival or Recruitment × Other comments Suggested maintenance (describe) (should be routine: describe if necessary) (describe) ..... %

Page 71

0					
0			-		
$\boldsymbol{x}$		d	Ų	-	
60	1	-	Г		6
¢	1		≥		8
-			5		8
~	1	~	file	-	•
-		٦			
22					
ø					

e

Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd



JUNE 2016

X

Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

= 0), %	ne (A = 1; B = 0.5; C	tion rating for each zo	or C), by the condi	y euch zone (A, B	and occupied	$(20\% \times 0.5) + (10\% \times 0) = 80\%$	70% x 1) + (	(cts: e.g. ()	una ada the produ
(describe)					f site occuried	0-100%) Multiply percentage of	nges from (	Score (rar	to fail Overall Condition
									C = Poor major
(describe)									problems
									B = Uncertain
(should be routine: describe if necessary)		×	*	X	×				A = OK on track towards target
Suggested maintenance	Other comments	Recruitment	rrubtem weeds		cover (%)				
p. //	ient. Also draw ma	Tree survival or	ons nave citarige	Ground course	Canopy	Location and factors	% of site	Area (ha)	Rating/ zone
" astablished herey of getting to	C.		ions have abarra	terly or if conditi	lete table qua	F SITE CONDITION Comp	TION OF	ESCRIP	DETAILED D
	ls in table below	ox, and provide detail	be changes in this b	Yes, briefly descri	2. or NO If	ed since last assessment YES	ite change	on of the s	Has the conditi
and establish height.	Jetting to	ming up and	ces are co	ver speri	lots of	events very well,	egene	eism	The Zor
		essment:	)ate of current asse		OLEE	DAVE NOC	ucted by: condition	nent condi nts on site	Overall comme
last assessed?	When was this site	nmenced:	rears since site con			al Regeneration	sted Natura	ATTN2, 43315	
	Site ID:			10	REA	-ITATION A		Inde: Accie	Type of on-ero
	Project ID:			ECT	PROJ	E SPNOS	CLOB	DCZ	Site name:
			ate term(s):	t to the appropri	N put an 'X' ney	SSING SITE CONDITION	ASSES	IA FOR DESCRIP	PROFORM PROJECT [

Page 71



-

Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

**MAP OF SITE CONDITION** *Note: also describe the condition of the site (previous page).* Draw a map of the site, showing variation in outcomes as zones (Zone A = OK, Zone B = Uncertain, Zone C = Poor). Include an approximate scale (e.g. 0-100 m) and North arrow.



JUNE 2016



Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

tame:       DUNCE       SAUS       REFARING       REFARING       REFARING       Reperture         ne:       REFARING       REFARING       REFARING       Nor since site commenced:       Nor with since site sessent:         comments on site condition:       State of current assessment:       State of current assessment:       State of current assessment:       Nor with since last assessment	(A = 1; B = 0, 5; C = 0),%	ion rating for each zone (	or C), by the condit	by each zone (A, B	<sup>s</sup> ite occupied	0-100%) Multiply percentage of (20% x 0.5) + (10% x 0) = 80%	e (ranges from .g. (70% x 1) + (	add the products: o	and
trane:       DUNUCE       SANDS       PREF       ProjectIb:       Proje	(describe)								2 8
trame:       OUNLOE       SANDS       PROJECT       Projectib: -         me:       REHABILITATION       REA       2.4 + B       Sile ID: -         for ground::       Assisted Natural Regeneration       Varia since sile commenced:       When was this sile last assessed?         comments on sile condition:       Sile userset?       Date of current assessment:       When was this sile last assessed?         comments on sile condition:       Sile userset?       Assessment (TS)								Poor major blems, likely	P O
trame:       DUNCE       SANDS       PROFECT       Project ID:         me:       REHABILITATION       REFARSION       REFARSION       Project ID:       Project ID:         re-grounds:       Assisted Natural Regeneration       Vers since site commenced:       When was this site last assessed?         re-grounds:       Assisted Natural Regeneration       Site ID:       Vers since site commenced:       When was this site last assessed?         re-grounds:       Assisted Natural Regeneration       Site ID:       Vers since site commenced:       When was this site last assessed?         re-grounds:       Assisted Natural Regeneration       Site ID:       Vers since site commenced:       When was this site last assessed?         re-grounds:       Assisted Natural Regeneration       Site ID:       Vers since site commenced:       When was this site last assessed?         comments on site condition:       Site ID:       Site ID:       Vers Site ID:       Vers Site ID:       Vers Site ID:         condition of the site changed since last assessment VS       Site ID:       Vers Site ID:       Vers Site ID:       Vers Site ID:       Vers Site ID:         LED       DESCRIPTION OF SITE CONDITION Complete table quarterly, or if conditions have changed since last assessment Also draw may       Vers Last Marchine Site ID:       Vers Last Marchine Site ID:       Vers Last Marchine Vers Last Marchin	(describe)							oblems	p
trame:       OUNUCE       SANDS       PROTECT       Project ID:         me:       REHABILITATION       PREA       2A + B       Sile ID:         for-grounds:       Assisted Natural Regeneration       Ven's since site commenced:       Sile ID:         tassessment conducted by:       DAVE       WOODLEE       Date of current assessment:       When was this site last assessed?         comments on site condition:       Sile Los and file of weak file and file and file and file of weak file and file of an and file and file an an and file of an and file of an and file and file of an	(should be routine: describe if necessary)							= Uncertain	. 👦
trame:       OUNCE       SANDS       PROFECT       Project ID;         me:       REHABILITATION       REA 2A + B       Sile ID;       Sile ID;         responses       responses       Vers since sile commenced;       Sile ID;       Sile ID;         responses       responses       Vers since sile commenced;       When was this sile last assessed?         responses       responses       Date of current assessment;       When was this sile last assessed?         comments on sile condition:       Sile Condition is spead the zoop trace that the planted or growing with the sile changed since last assessment?         condition of the site changed since last assessment?       Vers. briefly describe changes in this box, and provide details in table below. Sile is growing with the sile changed since last assessment?         LED DESCRIPTION OF SITE CONDITION Complete table quarterly, or if conditions have changed since last assessment. Also draw may       Versity with the sile below. Sile is growing with the sile is assessment. Also draw may         one       Area       % of location and factors       Canopy         one       Area       % of locations and factors       Canopy         oright has been assessment.       Versity       Ground cover (%)       Orole medes         Tree survivation       Other comments       Suggested maintenance		×	7	×	×	>		owards target	đ
t name:       OUNLOE       SANDS       PREF       Project ID:         me:       REHABILITATION       PREA       2A+B       Sile ID:         ressessment conducted by:       DAVE       WOODLEE       Date of current assessment:       When was this site last assessed?         comments on site condition:       Sile Location is graved the zoos tree thest for your private details in table below. Sile is graved the zoos tree that for your private details in table below. Sile is graved the gravely with the site assessment?         condition of the site changed since last assessment with the site table quarterly or if conditions have changed in this box, and provide details in table below. Sile is gravely weth the site assessment with a affecting outcomes         LED DESCRIPTION OF SITE CONDITION Complete table quarterly or if conditions have changed since last assessment. Also draw map         (ha)       Stell affecting outcomes         (ha)       Stell affecting outcomes         (ha)       Stell affecting outcomes         (ha)       Stell affecting outcomes	ther comments Suggested maintenance	Recruitment 0	r i ubtern weeds		(/0)	<		= OK on track	Þ
t name:       OUNLOE       SANDS       PROJECT       Project ID:         me:       REHABILITATION       REFAB       2A+B       Project ID:       Project ID:         me:       REHABILITATION       REFAB       2A+B       Sile ID:       Sile ID:       Sile ID:         responds:       Assisted Natural Regeneration       Vears since site commenced:       When was this site last assessed?         t assessment conducted by:       DAVE       WOODLEE       Date of current assessment:       When was this site last assessed?         comments on site condition:       Sike Concletencies of specific commenced:       When was this site last assessed?       When was this site last assessed?         condition of the site changed since last assessment?       Sile Concletencies of specific comments on site condition.       Sile Concletencies of specific comments on site changed since last assessment?       When was this site last assessment?         LED DESCRIPTION OF STE Comments       Or when the site changed since last assessment?       Sile Comments on site changed since last assessment?       Sile Comments on site changed since last assessment?	nt. Also draw map.	d since last assessme	tions have change	arterly, or if condi	Canopy	Location and factors affecting outcomes	rea % of a) site	ating/zone A	1_
t name:       OUNLOE       SANDS       PROTECT       Project ID:       -         me:       REHABILITATION       PREA       2A+B       Project ID:       -         f on-grounds:       Assisted Natural Regeneration       Project ID:       -       -         t assessment conducted by:       DAVE       NOODLEE       Project ID:       -         t assessment conducted by:       DAVE       NOODLEE       Date of current assessment:       When was this site last assessed?         comments on site condition:       Site ion       Site ion       Site ion       -         unal       Ids       Project IV:       Date of current assessment:       When was this site last assessed?         condition of the site changed since last assessment?       Years are country up :       Heart here:       Second the site changed since last assessment?	in table below. Site is among and the	box, and provide details i	ribe changes in this l	ij Tes, priejty desci			CRIPTION	DETAILED DES	1
t name:       DUNLOE       SANDS       PROTECT       Project ID:	1 - James and		the Par		or NO	ed since last assessment? YES	f the site chang	Has the condition o	ГТ
t name:       OUNLOE       SANDS       PROJECT       Project ID:       -         me:       REHABILITATION       PREA       2.4 + B       Site ID:       -         f on-grounds:       Assisted Natural Regeneration       Vears since site commenced:       Site ID:       -         t assessment conducted by:       DANCE       DANCE       Vears since site commenced:       When was this site last assessed?	planted and some it well	essment: there been	Date of current ass	the roos	S Stored F	and tots of we	on site conditio	Overall comments	
t name:       DUNLOE       SANDS       PROTECT       Project ID:       -         me:       REHABILITATION       PREA       2A + B       Project ID:       -         f on-grounds:       Assisted Natural Regeneration       Vears since site commenced:       Site ID:       -	mien was this site last assessed?					DAVE	t conducted by	Current assessmen	
THAME: DUNLOE SANDS PROJECT Project ID: -	Site ID:	mmenced:	Years since site co	7		ral Regeneration	s: Assisted Natu	Type of on-ground	
t name: OUVI OV	Project ID:			OJECT	PRER	LITATION	HABI	Site name: RE	
The second provide the second se			riate term(s):	lext to the approp	n, put an 'X' r	Note: where options are give	SCRIPTION ,	Project name:	
FORMA FOR ASSESSING SITE CONDITION	Ramtech Pt				OZ	SSING SITE CONDITION	FOR ASSE	PROFORMA	

Page 71



Rehabilitation & Revegetation Management Plan Dunloe Park Sand Quarry Ramtech Pty Ltd

**MAP OF SITE CONDITION** *Note: also describe the condition of the site (previous page).* Draw a map of the site, showing variation in outcomes as zones (Zone A = OK, Zone B = Uncertain, Zone C = Poor). Include an approximate scale (e.g. 0-100 m) and North arrow.



### 3.2 – Rehabilitation Visual Monitoring





Image 1: Zone 1

Image 2: Zone 1



Image 3: Zone 1



Image 5: Zone 1





Image 6: Zone 1



Image 7: Zone 1



Image 8: Zone 2



Image 9: Zone 2



Map 1: Photograph Locations