









Table Bay Nature Reserve - Milnerton Racecourse Section
MONTHLY EMS REPORT

REPORT No.: 64

PERIOD: Dec 2012 & Jan 2013

DATE: 25 January 2012

FIELD WORK / CONTRACTS	1				
<p>Reserve Management Activities</p> <ul style="list-style-type: none"> ✘ 4 Dec - Gold Circle EE walk and talk ✘ 11 Dec, 16, 23 & 30 Jan - Path maintenance ✘ 16 & 23 Jan - Removed dumped material ✘ 17 Jan - Flora monitoring ✘ 30 Jan - Alien clearing 	<p>Contract work in Precincts</p> <ul style="list-style-type: none"> ✘ Replacing of palisade fence panels along Grand National Boulevard (Dec 2012) ✘ Refurbishment of Stable Yard fencing along the boundary of the Northern Area (Jan 2013) 				
INVASIVE VEGETATION MANAGEMENT	2				
<ul style="list-style-type: none"> ✘ Handpulling of Port Jackson seedlings in the northern area undertaken on the 30th Jan. Area to be completed in Feb. ✘ Sourcing and costing for kikuyu barrier material is being undertaken by TBNR Management. 					
FIRE MANAGEMENT	3				
<ul style="list-style-type: none"> ✘ On the 17th Jan Burn Block 3 regrowth was monitored. (See 7. Biological Monitoring, Vegetation). ✘ Data capturing and species identification of Burn block 3 transect monitoring underway. 					
REHABILITATION	4				
<ul style="list-style-type: none"> ✘ The dumping of garden refuse and other domestic waste along the Stable Yard boundary was discovered on 12th Dec while carrying out routine maintenance activities. This issue is currently being investigated. Material was removed by CCT on the 16th & 23rd Jan. 					
INFRASTRUCTURE MANAGEMENT	5				
<ul style="list-style-type: none"> ✘ Stormwater outlets: All outlets are open. ✘ Signage & Fences: No issues noted. ✘ Path maintenance: Path maintenance undertaken on the 11th Dec, 16th, 23rd & 30th Jan. ✘ General: Two historical "boreholes" noted in the northern area. Borehole 1 is 91cm deep and borehole 2 is 88cm deep. Currently investigating sealing the holes off. 	 				
FAUNA MANAGEMENT & OBSERVATIONS	6				
<ul style="list-style-type: none"> ✘ A weak Cattle Egret was found at the Reserve and taken to SANCCOB. ✘ No monthly avifauna surveys were undertaken in Dec/Jan. Surveys to resume in March. 					
					
Garden orb-web spider	Cape Sand Frog	Spur winged goose gosling & juvenile		Cattle Egret	

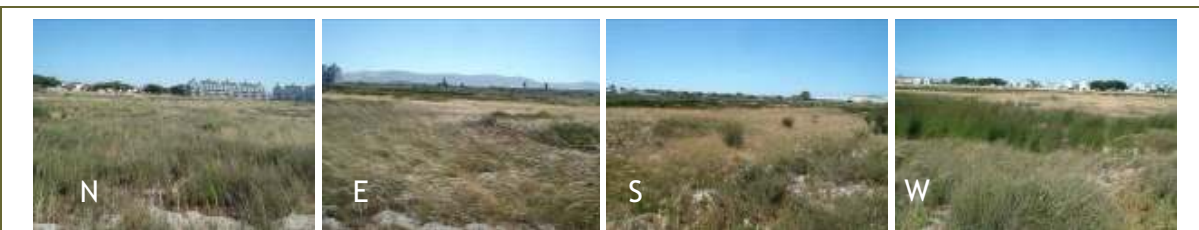
Vegetation:

✘ Some species observed during Dec & Jan.



1) *Athanasia dentata* , 2 *Cyanella hyacinthoides* 3) *Felecia tanella*, 4) *Muraltia spinosa*, 5) *Pelargonium myrrhifolium*, 6) *Pharnaceum* CF *lineare* ,7) *Monopsis lutea* 8) *Orphium frutescens*, 9) *Struthiola* sp, 10) *Aspalathus acuminata* subsp. *acuminata*, 11) *Pelargonium capitatum*, 12) *Muraltia* sp, 13) *Muraltia dumosa*, 14) *Ruschia umbellate*, 15) *Unidentified* sp, 16) *Aspalathus* sp

✘ Quarterly fixed point vegetation photography was undertaken on the 12th December.



Stand 1 (Southern area)



Stand 2 (Northern area)

Water:

✘ Dec & Jan fixed point photography of the wetlands.



Mnth	Wetland 1 - Southern Area (cm)							Wetland 2 - Northern Area (cm)							Rainfall Data (mm)						
	2007	2008	2009	2010	2011	2012	2013	2007	2008	2009	2010	2011	2012	2013	2007	2008	2009	2010	2011	2012	2013
Jan		114	76	67	18	0	23		31	34	47.5	29	10	11	0	3	3	2.5	13	5.75	7.5
Feb		61	46	44.2	0.5	0			1	12	29	1.5	0		28	12	8	5	5.5	2.5	
Mar		53	28	25	0	0			0	0	13	0	0		20	7	0	8.5	5.5	18	
Apr		35	18	13	0	0			0	5	3	0	9		65	18	44	7	30	78	
May		22	37	35.6	0	0			1	33	46.6	4	31.6		61.5	54	166	121	47	61	
Jun		59	69	70	14	26			51	62	71.8	43	61		111	107	81	100.5	55	81.5	
Jul	123	153	143	35.6	61	96		82	94	102	46.6	50.2	91		106	175	96.5	62	70	111.5	
Aug	150+	155	145	123.6	57	133		101	95.5	107	105	75.5	100		102	87	80	60.5	101	100	
Sep	150+	187	161.5	112.5	71	127		97	101.5	150+	93	75	96.5		18	160	67	14.5	42	60	
Oct	150+	160.5	143.5	95.5	59.5	117		83	91.5	150+	84	67.2	94.5		20	15	45.5	30.5	20	36	
Nov	150+	139.5	138	75.5	48	86		68	77	92	71	61	73		34	60.5	82	36.5	31	15.5	
Dec	135	108	91	46.75	24	70		52	58.5	69	45	43.5	61		24	5	9	10.5	32.5	3	

✘ It must be noted that in December monthly monitoring of the wetlands and dam was undertaken on the 12th Dec and therefore water levels might be higher than that would have been expected at the end of the month when data collection is normally undertaken.

✘ Rain gauge data supplied by Niel van Wyk records 3mm for Dec indicating the lowest rainfall since monitoring started in 2007. Jan rainfall totalled 7.5mm.

ENVIRONMENTAL EDUCATION AND OUTREACH
8

- ✘ The draft Annual Newsletter for 2012 is complete. It will be distributed once final comments have been received.
- ✘ Gold Circle Environmental Awareness talk and guided walk was undertaken on the 4th Dec with 13 Gold Circle personal. Milnerton Racecourse Environmental Do's and Don'ts for Gold circle were also handed out to the attendees.
- ✘ On the 12th Dec SG undertook an environmental induction with 5 of the Fence and Gate personal undertaking the installing of the palisade fencing along Grand National Boulevard. The Method Statement was finalised.
- ✘ On the 22nd Jan SG environmentally inducted three contractors undertaking the stripping and painting of the palisade fencing along the Stable Yard Boundary. The Method Statement has also been finalised.


GENERAL INFORMATION / OBSERVATIONS / MEETINGS
9

- ✘ The updating of the EMS by Maya Beukes and WLS is almost complete. To be presented at the February Meeting.

ITEMS TO BE ADDRESSED IN THE UPCOMING MONTHS
10

Regular monthly / bi-monthly tasks		
✘ Path maintenance & ad hoc alien clearing / litter cleanups	✓	Ongoing
✘ Vegetation & water level monitoring / bird counts		
✘ Updating of flora species list		
✘ MRNR EMS update	85%	Nov/Jan
✘ Annual newsletter - complete, to be printed and distributed	85%	Nov-Jan
✘ Gold Circle talk & guided walk	✓	4 Dec
✘ Spray kikuyu		Feb
✘ The Cape Jewish Senior Association		12,13 Mar
✘ APO planning for 2013/14		May/Jun
✘ Kikuyu barrier quote		2013
✘ Grysbok introduction		2013
✘ Road signage		2013
✘ Update maps		2013
✘ Investigation of Bird hide possibilities		2013