


**Table Bay Nature Reserve - Milnerton Racecourse Section
MONTHLY EMS REPORT**

MR EMS
Conservation

REPORT No.: 70

PERIOD: July 2013



DATE: 26 July 2013



FIELD WORK / CONTRACTS	1
<p>Reserve Management Activities</p> <ul style="list-style-type: none"> ✘ Path maintenance - 3rd, 10th & 15th July ✘ Alien Clearing - 3rd July ✘ Flora monitoring - 9th July 	<p>Contract work in Precincts</p> <ul style="list-style-type: none"> ✘ Refurbishment of Stable Yard fencing along the boundary of the northern area is ongoing.
INVASIVE VEGETATION MANAGEMENT	2
<ul style="list-style-type: none"> ✘ Alien clearing was undertaken in the southern area on the 3rd July. ✘ Gold Circle has brushcut the kikuyu along Sandown Crescent & La Camargue. The grass will be sprayed with Herbicide in summer. 	
FIRE MANAGEMENT	3
<ul style="list-style-type: none"> ✘ On the 3rd July Burn Block 3 (N Area) regrowth was monitored. (See 7. Biophysical Monitoring). 	
REHABILITATION	4
<ul style="list-style-type: none"> ✘ Nothing to report. 	
INFRASTRUCTURE MANAGEMENT	5
<ul style="list-style-type: none"> ✘ Stormwater outlets: All outlets are open. ✘ Signage & Fences: LL & SG liaising with CCT Transport Department as to signage along the third circle of Grand National Boulevard. ✘ Path maintenance: The path was maintained on the 3rd, 10th & 15th July. Boardwalk application to the subcouncil ongoing. 	
FAUNA MANAGEMENT & OBSERVATIONS	6
<ul style="list-style-type: none"> ✘ On the 16th July the monthly avifauna count was undertaken by the TBNR students & SG in the northern and southern areas. 20 species were sighted in the northern area and 25 in the southern area. New sightings for the northern area were a Cape Cormorant and a Black-shouldered Kite. Sightings for July still to be uploaded onto the CCT Biodiversity Database. 	
BIOPHYSICAL MONITORING	7
<p>Vegetation:</p> <ul style="list-style-type: none"> ✘ Some species observed during July. 	
	
<p>1) <i>Oxalis purpurea</i>, 2) <i>Hermannia alnifolia</i>, 3) <i>Romulea flava</i>, 4) <i>Lachenalia reflexa</i>, 5) <i>Cliffortia hirta</i>, 6) <i>Lampranthus filicaulis</i></p>	

✘ Quarterly fixed point vegetation photography will be undertaken in Sep.

Water:

✘ July fixed point photography of the wetlands.

WETLAND 1	24 July 2012		Mnth	Wetland 1 - Southern Area(cm)							
	23 July 2013			2007	2008	2009	2010	2011	2012	2013	
			Jan		114	76	67	18	0	23	
			Feb		61	46	44.2	0.5	0	10	
			Mar		53	28	25	0	0	0	
			Apr		35	18	13	0	0	0	
			May		22	37	35.6	0	0	0	
			Jun		59	69	70	14	26	56	
			Jul		123	153	143	35.6	61	96	86
			Aug		150+	155	145	123.6	57	133	
			Sep		150+	187	161.5	112.5	71	127	
			Oct		150+	160.5	143.5	95.5	59.5	117	
			Nov		150+	139.5	138	75.5	48	86	
			Dec		135	108	91	46.75	24	70	

WETLAND 2	24 July 2012		Mnth	Wetland 2 - Northern Area(cm)							
	23 July 2013			2007	2008	2009	2010	2011	2012	2013	
			Jan		31	34	47.5	29	10	11	
			Feb		1	12	29	1.5	0	0	
			Mar		0	0	13	0	0	0	
			Apr		0	5	3	0	9	0	
			May		1	33	46.6	4	31.6	4.3	
			Jun		51	62	71.8	43	61	67.5	
			Jul		82	94	102	46.6	50.2	91	85.5
			Aug		101	95.5	107	105	75.5	100	
			Sep		97	101.5	150+	93	75	96.5	
			Oct		83	91.5	150+	84	67.2	94.5	
			Nov		68	77	92	71	61	73	
			Dec		52	58.5	69	45	43.5	61	

DAM	24 July 2012		Mnth	Rainfall Data (mm)						
	23 July 2013			2007	2008	2009	2010	2011	2012	2013
			Jan	0	3	3	2.5	13	5.75	7.5
			Feb	28	12	8	5	5.5	2.5	41
			Mar	20	7	0	8.5	5.5	18	26.5
			Apr	65	18	44	7	30	78	48.5
			May	61.5	54	166	121	47	61	41.5
			Jun	111	107	81	101	55	81.5	148
			Jul	106	175	96.5	62	70	112	62
			Aug	102	87	80	60.5	101	100	
			Sep	18	160	67	14.5	42	60	
			Oct	20	15	45.5	30.5	20	36	
			Nov	34	60.5	82	36.5	31	15.5	
			Dec	24	5	9	10.5	32.5	3	

✘ Rain gauge data supplied by Niel van Wyk records 148mm from the 1st - 24th July.

✘ On the 9th July Frances Litten a GR10 learner from Elkanah House visited the Reserve to take cuttings of flowering species for a Herbarium project. 14 Species were collected.

ENVIRONMENTAL EDUCATION AND OUTREACH	8
<ul style="list-style-type: none"> ✘ 23 Environmental Do's & Don'ts posters have been given to RS to be erected on the stable doors of the Gold Circle horse training facility. ✘ The TygerBurger published some of the photo's from the school holidays programme at http://www.tygerburger.co.za/media-home#ad-image-0. 	

GENERAL INFORMATION / OBSERVATIONS / MEETINGS	9
✘ Nothing to report.	

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		
✘ APO planning for 2013/14	✓	May/ Jun
✘ School holiday programme	✓	25,26 Jun
✘ Fauna management plan	¾	Aug
✘ Finalise new MRNR brochure	¾	Aug
✘ Update maps		Aug
✘ Burn Block 3 transect monitoring		Sep
✘ Spring walk		Sep
✘ Handpulling / weeding		Sep-Nov
✘ Annual report		Dec
✘ Grysbok introduction		2013
✘ Road signage		2013
✘ Investigation of Bird hide possibilities		2013