

Table Bay Nature Reserve - Milnerton Racecourse Section

MONTHLY EMS REPORT

MR  **EMS**
Conservation

REPORT No.: 68

PERIOD: May 2013

DATE: 31 May 2013

FIELD WORK / CONTRACTS

1

Reserve Management Activities

- ✘ Alien clearing - 8th & 24th May
- ✘ Litter cleanup - 24th May
- ✘ Flora monitoring - 3rd & 29th May

Contract work in Precincts

- ✘ Refurbishment of Stable Yard fencing along the boundary of the northern area is ongoing.
- ✘ Replacing of palisade fence panels along Grand National Boulevard is complete.

INVASIVE VEGETATION MANAGEMENT

2

- ✘ Handpulling of Port Jackson seedlings was undertaken in the northern area on the 8th & 24th May. The northern area is now complete. The southern area will be completed in July.
- ✘ No spraying of kikuyu was undertaken during May due to the wet conditions. Die off's noted of areas sprayed during April. It is also too late in the season to spray due to the bulb regrowing and therefore spraying will be completed during summer.



FIRE MANAGEMENT

3

- ✘ On the 3rd & 24th May Block 3 (N Area) regrowth was monitored. (See 7. Biological Monitoring, Vegetation).

REHABILITATION

4

- ✘ Nothing to report.

INFRASTRUCTURE MANAGEMENT

5

- ✘ **Stormwater outlets:** All outlets are open. Evidence of defecation in the outlet noted.
- ✘ **Signage & Fences:** No issues noted.
- ✘ **Path maintenance:** Path maintenance to be undertaken in June.

FAUNA MANAGEMENT & OBSERVATIONS

6

- ✘ On the 14th & 16th May the monthly avifauna count was undertaken by Helm van Zijl in the southern and northern areas. 17 species were sighted in the southern area and 14 in the northern area. Sightings for May have been uploaded onto the CCT Biodiversity Database.
- ✘ The Cape Reptile Club were scheduled to visit the MRNR on Sunday, 26th May however the expedition was cancelled due to the rain.



Prey Mantis



Cape Dune Molerat



Crimson-speckled Footman



Swollen Restio Beetle

Vegetation:

✕ Some species observed during May.





1) *Muraltia spinosa*, 2) *Seriphium plumosum*, 3) unidentified *restio*, 4) *Hypochaeris radicata*, 5) *Metalasia muricata*, 6) *Muraltia satureioides*, 7) *Thesium* sp, 8) *Manulea rubra*, 9) *CF Selago* sp , 10) *Athanasia dentate*, 11) *Oxalis hirta* var. *tenuicaulis* , 12) *Oxalis pusilla*, 13) *Putterlickia pyracantha*, 14) *Lachenalia punctata*, 15) *Lachenalia punctata*, 16) *Orphium frutescens* , 17) *Oxalis pes caprae*.

✕ Quarterly fixed point vegetation photography will be undertaken in June.

Water:

✕ May fixed point photography of the wetlands.

WETLAND 1	22 May 2012		<table border="1"> <thead> <tr> <th rowspan="2">Mnth</th> <th colspan="6">Wetland 1 - Southern Area(cm)</th> </tr> <tr> <th>2007</th> <th>2008</th> <th>2009</th> <th>2010</th> <th>2011</th> <th>2012</th> <th>2013</th> </tr> </thead> <tbody> <tr> <td>Jan</td> <td></td> <td>114</td> <td>76</td> <td>67</td> <td>18</td> <td>0</td> <td>23</td> </tr> <tr> <td>Feb</td> <td></td> <td>61</td> <td>46</td> <td>44.2</td> <td>0.5</td> <td>0</td> <td>10</td> </tr> <tr> <td>Mar</td> <td></td> <td>53</td> <td>28</td> <td>25</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Apr</td> <td></td> <td>35</td> <td>18</td> <td>13</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>May</td> <td></td> <td>22</td> <td>37</td> <td>35.6</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Jun</td> <td></td> <td>59</td> <td>69</td> <td>70</td> <td>14</td> <td>26</td> <td></td> </tr> <tr> <td>Jul</td> <td>123</td> <td>153</td> <td>143</td> <td>35.6</td> <td>61</td> <td>96</td> <td></td> </tr> <tr> <td>Aug</td> <td>150+</td> <td>155</td> <td>145</td> <td>123.6</td> <td>57</td> <td>133</td> <td></td> </tr> <tr> <td>Sep</td> <td>150+</td> <td>187</td> <td>161.5</td> <td>112.5</td> <td>71</td> <td>127</td> <td></td> </tr> <tr> <td>Oct</td> <td>150+</td> <td>160.5</td> <td>143.5</td> <td>95.5</td> <td>59.5</td> <td>117</td> <td></td> </tr> <tr> <td>Nov</td> <td>150+</td> <td>139.5</td> <td>138</td> <td>75.5</td> <td>48</td> <td>86</td> <td></td> </tr> <tr> <td>Dec</td> <td>135</td> <td>108</td> <td>91</td> <td>46.75</td> <td>24</td> <td>70</td> <td></td> </tr> </tbody> </table>	Mnth	Wetland 1 - Southern Area(cm)						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		Jul	123	153	143	35.6	61	96		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	
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WETLAND 2	22 May 2012		Mnth	Wetland 2 - Northern Area (cm)						
	28 May 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	
			Jul	82	94	102	46.6	50.2	91	
			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	22 May 2012		Mnth	Rainfall Data (mm)						
	28 May 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	31.5
			Jun	111	107	81	100.5	55	81.5	
			Jul	106	175	96.5	62	70	111.5	
			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 31.5 from the 1st - 28th May.

ENVIRONMENTAL EDUCATION AND OUTREACH

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- ✘ The MRNR school holiday programme will be undertaken on the 25th & 26th Jun. Planning underway.
- ✘ SG scanned Clive Mc Dowell's two Botanical Reports and the Geological Report for the Reserve as no electronic versions were available.

GENERAL INFORMATION / OBSERVATIONS / MEETINGS

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- ✘ On the 30th April SG spoke to a member of the public in the northern area who was locating a Geocache point. Its location was against the palisade fence of Sandown Crescent meaning that locaters would have to walk off the foot path and trample vegetation to get to the point. SG met with the installer of the Geocache on the 3rd May to discuss its relocation. On the 8th May the Geocache was relocated. Try and find it ☺
- ✘ SG undertook a site visit with Landi Louw (TBNR student) on the 30th April to show the artificial and natural wetlands of the Reserve. She will be undertaking a wetland delineation project in the southern area in June.
- ✘ On the 2nd May SG completed a spreadsheet highlighting the issues experienced in the Reserve for Landi's Law Enforcement Project.
- ✘ NvW collated Reserve Project proposals to be forwarded for a Ward allocation. The following project were submitted:
 - Boardwalk over the inundated areas along the path of the Reserve
 - Road signage along R27, Racecourse Rd & Grand National Boulevard
 - Information boards
 - Specialist input in surveying and identifying insects.

- ✘ The draft APO for July 2013 - June 2014 has been distributed to the EMC for comment.
- ✘ SG undertook site inspections of the Stable Yard palisade fence work on the 8th & 24th May. Site instruction on the 24th May was that a litter cleanup needed to be undertaken.

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		
✘ Port Jackson clearing in the northern area	✓	Mar/Apr
✘ Spray kikuyu	½	Apr
✘ APO planning for 2013/14	¾	May/June
✘ School holiday programme	¼	25,26 June
✘ Spring walk		Sep
✘ Handpulling / weeding		Sep-Nov
✘ Annual report		Dec
✘ Grysbok introduction		2013
✘ Road signage		2013
✘ Update maps		2013
✘ Investigation of Bird hide possibilities		2013