

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

REPORT No.: 67

PERIOD: Apr 2013

DATE: 26 Apr 2012

**FIELD WORK / CONTRACTS**

**1**

**Reserve Management Activities**

- ✘ Alien clearing - 10<sup>th</sup>, 17<sup>th</sup> & 24<sup>th</sup> Apr
- ✘ Herbiciding kikuyu - 10<sup>th</sup>, 17<sup>th</sup> & 24<sup>th</sup> Apr
- ✘ Flora monitoring - 23<sup>rd</sup> Apr

**Contract work in Precincts**

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

**INVASIVE VEGETATION MANAGEMENT**

**2**

- ✘ Handpulling of Port Jackson seedlings was undertaken in the northern area on the 10<sup>th</sup>, 17<sup>th</sup> & 24<sup>th</sup> Apr.
- ✘ A follow up spray of kikuyu was undertaken in the northern area on the 10<sup>th</sup>, 17<sup>th</sup> & 24<sup>th</sup> Apr. 190l of Focus Ultra was utilised in total. Area will be monitored to determine if another follow up is needed.



**FIRE MANAGEMENT**

**3**

- ✘ On the 24<sup>th</sup> Apr Block 3 (N Area) regrowth was monitored. (See 7. Biological Monitoring, Vegetation).
- ✘ Data capturing and species identification of Burn Block 3 transect monitoring is underway.

**REHABILITATION**

**4**

- ✘ Nothing to report.

**INFRASTRUCTURE MANAGEMENT**

**5**

- ✘ **Stormwater outlets:** All outlets are open.
- ✘ **Signage & Fences:** No issues noted.
- ✘ **Path maintenance:** All the potholes along the northern area path have been filled using laterite from the stockpiled material.

**FAUNA MANAGEMENT & OBSERVATIONS**

**6**

- ✘ On the 15<sup>th</sup> & 16<sup>th</sup> Apr the monthly avifauna count was undertaken by Helm van Zijl in the northern and southern areas. 17 species were sighted in the northern area and 20 in the southern area. Sightings for Mar & Apr have been uploaded onto the CCT Biodiversity Database.



Cape Autumn Widow



Heady Maiden



Meadow White

**Vegetation:**

✘ Some species observed during Apr.



1) *Geranium incanum*, 2) *Chrysanthemoides* sp, 3) *Pelargonium myrrhifolium*, 4) Unidentified, 5) *Chrysanthemoides monilifera*, 6) Unidentified, 7) *Monopsis* sp, 8) *Oxalis* CF *caprina*, 9) *Spiloxene* sp, 10) Unidentified, 11) *Monopsis lutea*, 12) *Oxalis hirta* var. *hirta*



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

**Water:**

✘ Apr fixed point photography of the wetlands.

WETLAND 1	16 Apr 2012		<table border="1"> <thead> <tr> <th>Mnth</th> <th colspan="7">Wetland 1 - Southern Area (cm)</th> </tr> <tr> <th></th> <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>14</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></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>53</td><td>140</td><td>35.6</td><td>61</td><td>96</td><td></td></tr> <tr><td>Aug</td><td>150+</td><td>55</td><td>140</td><td>123.6</td><td>57</td><td>138</td><td></td></tr> <tr><td>Sep</td><td>150+</td><td>87</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>08</td><td>91</td><td>46.75</td><td>24</td><td>71</td><td></td></tr> </tbody> </table>	Mnth	Wetland 1 - Southern Area (cm)								2007	2008	2009	2010	2011	2012	2013	Jan		14	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		Jun		59	69	70	14	26		Jul	123	53	140	35.6	61	96		Aug	150+	55	140	123.6	57	138		Sep	150+	87	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	08	91	46.75	24	71	
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<b>DAM</b>	16 Apr 2012		<i>Mnth</i>	<b>Rainfall Data (mm)</b>						
	23 Apr 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	
			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 48.5 from the 1<sup>st</sup> - 23<sup>rd</sup> Apr.

<b>ENVIRONMENTAL EDUCATION AND OUTREACH</b>	<b>8</b>
✘ The MRNR annual school holiday programme will be undertaken on the 25 <sup>th</sup> & 26 <sup>th</sup> Jun.	

<b>GENERAL INFORMATION / OBSERVATIONS / MEETINGS</b>	<b>9</b>
✘ The EMS is complete. The EMC, ECM and CCT all have a copy of the EMS and OEMP.	
✘ ECM undertook site inspections of the Stable Yard palisade fence work on the 24 <sup>th</sup> Apr. Work recommenced on the 23 <sup>rd</sup> Apr.	
✘ ECM undertook an environmental induction with the contractors replacing the palisade fencing along Grand National Boulevard on the 16th Apr. Installation is complete.	

<b>ITEMS TO BE ADDRESSED IN THE UPCOMING MONTHS</b>	<b>10</b>
Regular monthly / bi-monthly tasks	
✘ Path maintenance & ad hoc alien clearing / litter cleanups	✓
✘ Vegetation & water level monitoring / bird counts	
✘ Updating of flora species list	
✘ Port Jackson clearing in the northern area	¾
✘ Spray kikuyu	¾
✘ APO planning for 2013/14	
✘ School holiday programme	
✘ Spring walk	
✘ Handpulling / weeding	
✘ Annual report	
✘ Grysbok introduction	
✘ Road signage	
✘ Update maps	
✘ Investigation of Bird hide possibilities	