





Table Bay Nature Reserve - Milnerton Racecourse Section
MONTHLY EMS REPORT

REPORT No.: 72

PERIOD: September 2013

DATE: 27 September 2013

FIELD WORK / CONTRACTS	1		
<p>Reserve Management Activities</p> <ul style="list-style-type: none"> ✘ Flora monitoring - 3rd 10th & 25th Sep ✘ Path maintenance - 10th Sep 	<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 to be undertaken in Oct/Nov in conjunction with weed handpulling. ✘ The handpulling of weeds will commence in Oct. ✘ The kikuyu along Sandown Crescent & La Camargue has been brushcut by Gold Circle. Spraying with herbicide will be undertaken in summer. 			
FIRE MANAGEMENT	3		
<ul style="list-style-type: none"> ✘ On the 3rd & 25th Sep Burn Block 3 (N Area) regrowth was monitored. (See 7. Biophysical Monitoring). ✘ Transect monitoring was undertaken of Burn Block 3 on the 10th & 25th September. Shrub, restio & grassland communities were monitored. Identification & capturing of data underway. 			
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 and functioning. ✘ Signage & Fences: KR to submit the tourism signage proposal to the CCT Tourism Department. ✘ Path maintenance: Holes in the path were backfilled with laterite on the 10th Sep. The path will be monitored after heavy rainfall to see if more maintenance needs to be undertaken. 			
FAUNA MANAGEMENT & OBSERVATIONS	6		
<ul style="list-style-type: none"> ✘ On the 13th Sep the monthly avifauna count was undertaken by HvZ in the northern and southern areas. 31 species were sighted in the northern area and 23 in the southern area. Sightings for Sep still to be uploaded onto the CCT Biodiversity Database. ✘ No Mallard ducks have been sighted in the Reserve during Sep. ✘ All identified insects of the Reserve have been uploaded onto the Biodiversity Database as an attached Excel spreadsheet. 			
			
Lappet caterpillar	Unidentified caterpillar	Crab spider	Heady maiden

Vegetation:

✕ Some species observed during Sep.



1) *Ursinia anthemoides*, 2) *Sparaxis bulbifera*, 3) *Pelargonium triste*, 4) *Morea gawleri*, 5) *Watsonia meriana*, 6) Unidentified, 7) *Hermannia procumbens procumbens*, 8) *Morea flaccida*, 9) *Pelargonium myrrhifolium*, 10) *Albuca canadensis*, 11) *Geissorhiza aspera*, 12) Unidentified sp, 13) *Spiloxene canaliculata*, 14) *Lachenalia contaminate*, 15) Unidentified sp, 16) *Senecio arenarius*, 17) *Bulbine anua*, 18) *Morea* sp, 19) *Babiana tubiflora*, 20) *Dischisma ciliatum*, 21) *Struthiola striata*, 22) *Wachendorfia paniculata*, 23 & 24) *Nemesia versicolor*, 25) *Geranium incanum*, 26) *Romulea hirsute*, 27) *Romulea tabularis*, 28) *Chlorophytum undulatum*, 29) *Romulea CF obscura*, 30) *Disperis villosa*, 31) *Romulea rosea*, 32) *Satyrium coriifolium*

✕ Quarterly fixed point vegetation photography was undertaken on the 25th Sep.



Stand 1 (Southern area)









Stand 2 (Northern area)

✕ On the 13th Sep, Frances Litten visited the Reserve to take cuttings for her Herbarium project.

- ✘ On the 25th Sep CCT students accompanied SG on a monitoring day in the Reserve. Here they were taught water level monitoring, fixed point vegetation and wetland photography, flora species identification and vegetation transect monitoring.

Water:

- ✘ Sep fixed point photography of the wetlands.

WETLAND 1	26 September 2012		<table border="1"> <thead> <tr> <th rowspan="2">Mnth</th> <th colspan="7">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>56</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>86</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>150+</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>150+</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	56	Jul	123	153	143	35.6	61	96	86	Aug	150+	155	145	123.6	57	133	150+	Sep	150+	187	161.5	112.5	71	127	150+	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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- ✘ Rain gauge data supplied by Niel van Wyk records 57.5 from the 1st - 25th Sep.

ENVIRONMENTAL EDUCATION AND OUTREACH**8**

- ✘ The annual spring walk was advertised in the Tygerburger on the 11th & 18th Sep. The walk was postponed from the 15th Sep to the 22nd Sep due bad weather. Due to the lack of interest the walk has been further postponed to October.
- ✘ The new TBNR: Milnerton Racecourse Section brochure is complete.

GENERAL INFORMATION / OBSERVATIONS / MEETINGS**9**

- ✘ On the 18th Sep the head of Biodiversity Management, Julia Wood, KR and other CCT Area and District Managers visited the northern area of the Reserve. The future boardwalk over inundated areas of the path, the corridor between the northern and southern area and the use of laterite in path maintenance was discussed.

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			
✘ Fauna management plan		¾	Aug
✘ Finalise new MRNR brochure		✓	Aug
✘ Update maps		½	Aug
✘ Burn Block 3 transect monitoring		¾	Sep
✘ Spring walk			Oct
✘ Handpulling / weeding			Oct-Nov
✘ Annual report			Dec
✘ Grysbok introduction			2013
✘ Road signage			2013
✘ Investigation of Bird hide possibilities			2013