



Directorate: Utility Services
Department : Water & Sanitation

Scientific Services

WATER QUALITY MONITORING OF DAMS AND WETLANDS

Phytoplankton Pigment Report
PRINCESS VLEI & ZEEKOEVLEI

Date Sampled : 2016-07-11

Manager: Stormwater & Sustainability Branch
Civic Centre - Tower Block
Floor 17
12 Hertzog Boulevard
Cape Town

Sampling Point	LIMS Number	Chlorophyll-a µg/l	Phaeophytin* µg/l
PV03 Princessvlei-centre	946405	42	5.4
ZEV1S Home Bay in front of Zeekoevlei Yacht Club	946406	2.9	2.0
ZEV2S Opposite inlet of Big Lotus River	946407	4.8	-0.65
ZEV3S In front of Cape Peninsula Aquatic Club	946408	4.7	1.8
ZEV4S SW corner approx 200m from weir	946409	3.9	0.96

Guidelines : DWAF 1996 South African Water Quality Guidelines Vol 1 & 2

Chlorophyll-a (ug/l)	Target water quality range	Chronic Limit
Recreational	0 - 15	>30
Domestic	0 - 1	>10

COMMENTS: negative phaeophytin values = 0.0

Technical Signatory:

Name : R. Siebritz

Signature :

Laboratory Manager: Biological Sciences:
(In absence Deputy signature)

Name : M. Kunindlu

Signature :

APPENDIX 1 : TEST METHODS

Parameter	Test Method	Uncertainty of Measurement (Worst case UoM for a confidence level of 95%)
ELISA Method: Test for Microcystins and Nodularins in water from dams	MM/HB_TM/01	See Note 5
Chlorophyll-a	MM/HB_TM/02	See Note 5
Algal Identification and Enumeration (Sedimentation Method)	MM/HB_TM/03	See Note 5
SASS5 Biomonitoring Method for Macro-invertebrate Identification	MM/HB_TM/05	See Note 5

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