

Your Ref : Twin Swamps- North West Sites/
Our Ref : 94E0927; 3.1.9
Enquiries to : Roger Schulz
Telephone :

Acting Executive Director
Department of Conservation and Land Management
PO Box 51
WANNEROO
WA 6065
Attention : A Clarke

Report on:

3 samples of water received on 4 November 1994

CCWA ID 94E0927/001 94E0927/002 94E0927/003
Client ID 1 2 3

Analyte	Unit			
CO3	mg/L	<2	<2	<2
HCO3	mg/L	160	130	180
N_tot.sol.	mg/L	0.46	0.73	0.95
P_tot.sol.	mg/L	0.02	1.9	0.76
Alkalinity	mg/L	140	100	150
Ca	mg/L	49	20	43
Chloro_a	mg/L	0.006	0.001	<0.001
Chloro_b	mg/L	<0.001	<0.001	<0.001
Chloro_c	mg/L	<0.001	<0.001	<0.001
Cl	mg/L	65	130	110
Colour	TCU	21	170	120
ECond	mS/m	46 0.22 ppt	62 0.30 ppt	63 0.31 ppt
Hardness	mg/L	160	120	170
Mg	mg/L	9	17	15
Na	mg/L	41	78	69
Phaeoph_a	mg/L	<0.001	<0.001	<0.001
SO4_S	mg/L	1	1	1
TSS_calc	mg/L	250	340	350
Turbidity	NTU	18	2.8	3.5
pH		7.8	7.5	7.9

$$\mu\text{S/cm} = \frac{\text{mS}}{10^3} / \frac{\text{m}}{10^2}$$

$$S \times 10^{-6} / \text{m} \times 10^{-2} = S \times 10^{-4} / \text{m}$$

$$= \text{mS}^{\text{total}} / \text{m}$$

$$= \text{mS/m} \times 10$$

Analyte	Method	Description
CO3	iALK1WAAA	Carbonate
HCO3	iALK1WAAA	Hydrogen Carbonate
N_tot.sol.	iNP1WDAA	Nitrogen, persulphate total soluble.
P_tot.sol.	iPP1WDCO	Phosphorus, total soluble.
Alkalinity	iALK1WAAA	Alkalinity, total expressed as CaCO3 mg/L.
Ca	iMET1WCIP	Calcium
Chloro_a	iCHLA1WACO	Chlorophyll "a"
Chloro_b	iCHLA1WACO	Chlorophyll "b"

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Chemistry Centre (WA)

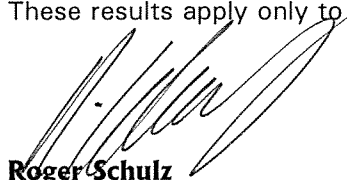
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**CHEMISTRY CENTRE (WESTERN AUSTRALIA)
ENVIRONMENTAL CHEMISTRY LABORATORY**

REPORT OF EXAMINATION

Analyte	Method	Description
Chloro_c	iCHLA1WACO	Chlorophyll "c"
Cl	iCL1WAAA	Chloride
Colour	iCOL1WACO	Colour, True Colour Units (TCU).
ECond	IEC1WZSE	Electrical Conductivity, 25 degrees celcius.
Hardness	iHTOT1WACA	Hardness, expressed as CaCO3 mg/L.
Mg	iMET1WCIP	Magnesium
Na	iMET1WCIP	Sodium
Phaeoph_a	iCHLA1WACO	Phaeophytin "a"
SO4_S	iMET1WCIP	Sulpate, sulphur expressed as sulphate.
TSS_calc	iSOL1WDCA	Total Soluble Salts Estimated (ECond * 5.5). Applicable to <100 mg/L HCO3 samples.
Turbidity	iTURB1WCZZ	
pH	iPH1WASE	pH

These results apply only to the sample(s) as received.



Roger Schulz
Principal Chemist
ENVIRONMENTAL CHEMISTRY LABORATORY

16 January 1995