Your Ref : Perth Airport/ Nicabay Flats/
Our Ref : 95E0388; 3.1.9
Enquiries to :
Telephone :

CHEMISTRY CENTRE

Department of Conservation and Land Management
PO Box 51
Wanneroo
WA 6065
Attention : S Halse

Report on:

10 samples of water received on 15 September 1995

600

CCWA ID		95E0388/001	95E0388/002	95E0388/003	95E0388/004	95E0388/005
Client ID		Airport 02	Airport 03	Airport 10	Airport 12	Airport 14
Sampled		12/09/95	12/09/95	12/09/95	12/09/95	12/09/95
Analyte	**Unit**					
Ca	mg/L	19	19	7	14	30
Mg	mg/L	7	7	11	12	14
Alkalinity	mg/L	50	53	13	78	50
CO3	mg/L	<2	<2	<2	<2	<2
Chloro_a	mg/L	0.005	<0.001	<0.001	0.001	0.020
Chloro_b	mg/L	0.006	0.005	0.001	0.001	0.001
Chloro_c	mg/L	0.005	0.008	<0.001	0.003	0.003
Cl	mg/L	44	59	82	24	31
Colour	TCU	200	300	600	960	190
ECond	mS/m	28.7	35.2	36.9	24.5	35.9
HCO3	mg/L	61	65	15	95	61
Hardness	mg/L	75	76	65	89	140
K	mg/L	2	3	3	13	6
N_NO3	mg/L	0.02	<0.02	0.02	0.03	<0.02
N_tot.sol.	mg/L	1.5	1.8	2.0	3.9	1.2
Na	mg/L	34	45	55	26	25
P_tot.sol.	mg/L	0.02	0.02	0.02	5.1	0.09
Phaeoph_a	mg/L	<0.001	0.012	0.006	0.006	0.004
SO4_S	mg/L	11	14	23	10	73
SiO2	mg/L	1.2	2.0	15	8.4	5.5
TDS_180C	mg/L	180	230	310	300	250
Turbidity	NTU	1.4	1.5	3.7	1.5	0.6
pH		7.1	7.2	6.0	6.9	6.9

Chemistry Centre (WA)
125 Hay Street, East Perth, Western Australia 6004 Phone (09) 222 3177, Facsimile (09) 325 7767

CHEMISTRY CENTRE (WESTERN AUSTRALIA)
ENVIRONMENTAL CHEMISTRY LABORATORY

REPORT OF EXAMINATION

CCWA ID		95E0388/006	95E0388/007	95E0388/008	95E0388/009	95E0388/010
Client ID		Airport 33	Airport 34	Airport 37	Airport 42	Nicabay
Sampled		12/09/95	12/09/95	12/09/95	12/09/95	12/09/95
Analyte	**Unit**					
Ca	mg/L	18	6	11	17	11
Mg	mg/L	12	5	7	12	10
Alkalinity	mg/L	63	23	45	70	98
CO3	mg/L	<2	<2	<2	<2	<2
Chloro_a	mg/L	0.001	0.002	0.006	0.001	0.034
Chloro_b	mg/L	<0.001	0.001	0.001	<0.001	0.001
Chloro_c	mg/L	<0.001	0.001	<0.001	0.001	0.003
Cl	mg/L	100	60	70	82	23
Colour	TCU	410	420	610	600	40
ECond	mS/m	52.5	27.8	36.6	47.4	28.0
HCO3	mg/L	76	27	55	85	120
Hardness	mg/L	95	38	59	92	74
K	mg/L	6	4	3	6	9
N_NO3	mg/L	<0.02	0.02	<0.02	0.02	0.02
N_tot.sol.	mg/L	1.8	1.4	2.8	2.0	0.87
Na	mg/L	78	45	58	70	32
P_tot.sol.	mg/L	0.03	0.02	0.29	0.05	0.17
Phaeoph_a	mg/L	0.004	0.003	<0.001	<0.001	0.008
SO4_S	mg/L	17	9	12	21	9
SiO2	mg/L	2.9	4.0	6.6	16	18
TDS_180C	mg/L	360	200	300	380	260
Turbidity	NTU	2.6	14	42	8.8	1800
pH		7.2	6.5	6.7	7.0	7.2

Analyte	Method	Description
Ca	iMET1WCIP	Calcium.
Mg	iMET1WCIP	Magnesium.
Alkalinity	iALK1WAAA	Alkalinity, total expressed as CaCO3 mg/L.
CO3	iALK1WAAA	Carbonate
Chloro_a	iCHLA1WACO	Chlorophyll "a"
Chloro_b	iCHLA1WACO	Chlorophyll "b"
Chloro_c	iCHLA1WACO	Chlorophyll "c"
Cl	iCL1WAAA	Chloride
Colour	iCOL1WACO	Colour, True Colour Units (TCU).
ECond	iEC1WZSE	Electrical Conductivity, 25 degrees celcius.
HCO3	iALK1WAAA	Hydrogen Carbonate
Hardness	iHTOT1WACA	Hardness, total expressed as CaCO3 mg/L.
K	iMET1WCIP	Potassium.
N_NO3	iNTAN1WAAA	Nitrogen, nitrate fraction.
N_tot.sol.	iNP1WDAA	Nitrogen, persulphate total soluble.
Na	iMET1WCIP	Sodium.
P_tot.sol.	iPP1WDCO	Phosphorus, total soluble.
Phaeoph_a	iCHLA1WACO	Phaeophytin "a"
SO4_S	iMET1WCIP	Sulphate, sulphur expressed as sulphate.
SiO2	iSI1WZAA	Silica.
TDS_180C	iSOL1WDGR	Total dissolved solids, <0.45um.
Turbidity	iTURB1WCZZ	
pH	iPH1WASE	pH

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

REPORT OF EXAMINATION

Jenny McGuire
Acting Principal Chemist

Roger Schulz
Principal Chemist
ENVIRONMENTAL CHEMISTRY LABORATORY

6 December 1995