

Appendix 6
2006 Surface Water Quality Data
Vangorda Creek Drainage

Table 2 Surface Water Total Metal Parameters

STATION	DATE	AG-T mg/L	AL-T mg/L	AS-T mg/L	BA-T mg/L	BE-T mg/L	BI-T mg/L	B-T mg/L	CA-T mg/L	CD-T mg/L	CN-T mg/L	CO-T mg/L	CR-T mg/L	CU-T mg/L	FE-T mg/L	HG-T mg/L	K-T mg/L	LI-T mg/L	MG-T mg/L	MN-T mg/L	MO-T mg/L	NA-T mg/L	NI-T mg/L	PB-T mg/L	P-T mg/L	SB-T mg/L	SE-T mg/L	SI-T mg/L	SN-T mg/L	SR-T mg/L	TE-T mg/L	TH-T mg/L	TI-T mg/L	TL-T mg/L	U-T mg/L	V-T mg/L	ZN-T mg/L	ZR-T mg/L
VGMAIN	24-Apr-06	< 0.00025	< 0.005	< 0.001	0.062	< 0.001	< 0.001	< 0.05	77.5	< 0.0002		< 0.001	< 0.001	< 0.001	< 0.05	< 0.00002	1.1	0.004	32.6	0.014	0.0008	3.8	0.005	< 0.001	< 0.15	< 0.001	0.001	4	< 0.001	0.32	< 0.001	< 0.0005	< 0.001	< 0.0001	0.0075	< 0.001	0.024	< 0.01
VGMAIN	17-May-06	< 0.00025	0.12	0.001	0.04	< 0.001	< 0.001	< 0.05	35.1	< 0.0002		< 0.001	< 0.001	0.003	0.4	< 0.00002	1.4	0.002	13.1	0.066	< 0.0005	1.59	0.003	0.003	< 0.15	< 0.001	< 0.001	3.3	< 0.001	0.13	< 0.001	< 0.0005	0.003	< 0.0001	0.0023	< 0.001	0.02	< 0.01
VGMAIN	19-Jun-06	< 0.00025	0.058	< 0.001	0.033	< 0.001	< 0.001	< 0.05	28.3	< 0.0002		< 0.001	< 0.001	0.002	0.16	< 0.02	0.7	0.002	9.32	0.012	< 0.0005	1.88	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	4.1	< 0.001	0.1	< 0.001	< 0.0005	0.001	< 0.0001	0.0019	< 0.001	0.012	< 0.01
VGMAIN	18-Jul-06	< 0.00025	0.06	< 0.001	0.032	< 0.001	< 0.001	< 0.05	29.1	< 0.0002		< 0.001	< 0.001	0.002	0.17	< 0.02	0.6	0.008	11.2	0.015	< 0.0005	2.1	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	4.5	< 0.001	0.11	< 0.001	< 0.0005	0.001	< 0.0001	0.0016	< 0.001	0.015	< 0.01
VGMAIN	21-Aug-06	< 0.00025	0.013	< 0.001	0.04	< 0.001	< 0.001	< 0.05	36.9	< 0.0002		< 0.001	< 0.001	0.001	< 0.05	< 0.00002	0.7	0.003	14.2	0.004	< 0.0005	2.59	0.002	< 0.001	< 0.15	< 0.001	< 0.001	4.6	< 0.001	0.14	< 0.001	< 0.0005	< 0.001	< 0.0001	0.0022	< 0.001	0.011	< 0.01
VGMAIN	11-Sep-06	< 0.00025	0.012	< 0.001	0.032	< 0.001	< 0.001	< 0.05	29.7	< 0.0002		< 0.001	< 0.001	< 0.001	< 0.05	< 0.00002	0.5	0.002	12	0.004	< 0.0005	2.24	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	4.3	< 0.001	0.12	< 0.001	< 0.0005	< 0.001	< 0.0001	0.0018	< 0.001	0.01	< 0.01
VGMAIN	16-Oct-06	< 0.00025	0.007	< 0.001	0.044	< 0.001	< 0.001	< 0.05	46.7	< 0.0002		< 0.001	< 0.001	< 0.001	< 0.05	< 0.02	0.7	0.003	19.6	0.005	0.0005	3.01	0.001	< 0.001	< 0.15	< 0.001	< 0.001	4	< 0.001	0.18	< 0.001	< 0.0005	< 0.001	< 0.0001	0.0037	< 0.001	0.019	< 0.01
VGMAIN	14-Nov-06	0.0003	0.019	< 0.001	0.062	< 0.001	< 0.001	< 0.05	64.5	0.0004		0.001	< 0.001	< 0.001	0.08	< 0.00002	0.8	0.004	29.8	0.074	0.001	3.83	0.003	< 0.001	< 0.15	< 0.001	< 0.001	4.7	< 0.001	0.28	< 0.001	< 0.0005	< 0.001	0.0003	0.0063	< 0.001	0.025	< 0.01
VGMAIN	13-Dec-06	< 0.00025	< 0.005	< 0.001	0.07	< 0.001	< 0.001	< 0.05	69.4	< 0.0002		< 0.001	< 0.001	0.001	< 0.05	< 0.00002	1	0.004	27.3	0.007	0.0006	3.75	0.002	< 0.001	< 0.15	< 0.001	< 0.001	4.8	< 0.001	0.27	< 0.001	< 0.0005	< 0.001	< 0.0001	0.0078	< 0.001	0.018	< 0.01
average		0.00025	0.028	0.001	0.051	0.001	0.001	0.05	52.5	0.00022		0.001	0.001	0.001	0.105	0.005469	0.9	0.004	21.5	0.020	0.00063	3.03	0.002	0.001	0.15	0.001	0.00109	4.4	0.001	0.21	0.001	0.0005	0.00118	0.00012	0.00458	0.001	0.018	0.01
minimum		< 0.00025	< 0.005	< 0.001	0.032	< 0.001	< 0.001	< 0.05	28.3	< 0.0002		< 0.001	< 0.001	< 0.001	< 0.05	< 0.00002	0.5	0.002	9.32	0.004	< 0.0005	1.59	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	3.3	< 0.001	0.1	< 0.001	< 0.0005	< 0.001	< 0.0001	0.0016	< 0.001	0.01	< 0.01
maximum		0.0003	0.12	0.001	0.073	< 0.001	< 0.001	< 0.05	81.3	0.0004		0.001	< 0.001	0.003	0.4	< 0.02	1.4	0.008	34.1	0.074	0.001	4.32	0.005	0.003	< 0.15	< 0.001	0.002	5.2	< 0.001	0.32	< 0.001	< 0.0005	0.003	0.0003	0.008	< 0.001	0.025	< 0.01
N > DL		1	8	1	11	0	0	0	11	1		1	0	5	4	0	11	11	11	11	6	11	8	1	0	0	2	11	0	11	0	0	3	1	11	0	11	0
median		0.00025	0.012	0.001	0.044	0.001	0.001	0.05	46.7	0.0002		0.001	0.001	0.001	0.05	0.00002	0.8	0.004	19.6	0.011	0.0005	3.01	0.002	0.001	0.15	0.001	0.001	4.5	0.001	0.18	0.001	0.0005	0.001	0.0001	0.0037	0.001	0.018	0.01

Statistics only generated where there are more than 2 values in a data set

average	average of values, including values less than detection limit as set to DL value if it is the DL value will be shown without the < symbol
minimum	lowest value and will be least DL value if these are present in the data set
maximum	highest value
N > DL	number of values measured that are above detection limits
median	the median value of the data set - if it is a DL value will be shown without the < symbol

NOTE:
Detection Limit values used as the DL value in statistics contrasts with conversion to 0 for charts