

Appendix 6:

Results from EM38 EC Transects

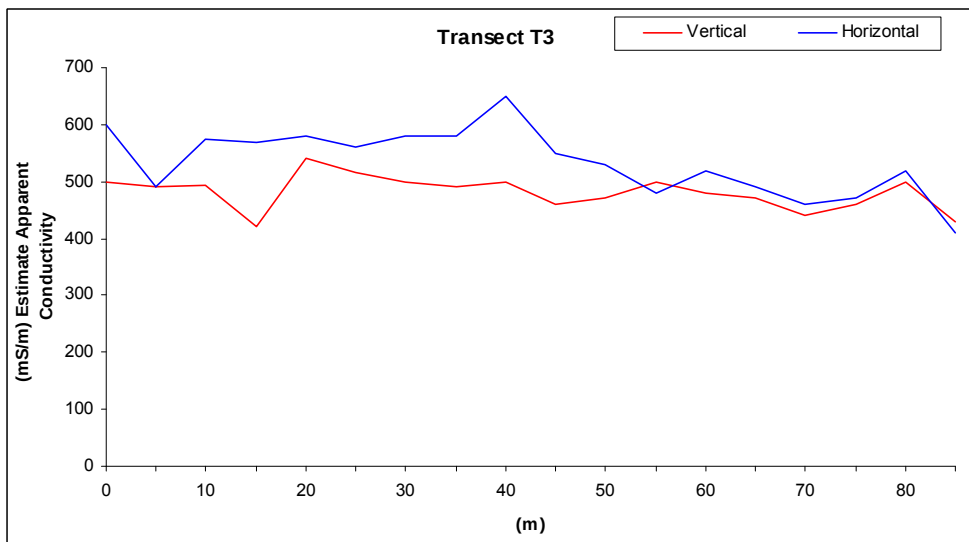
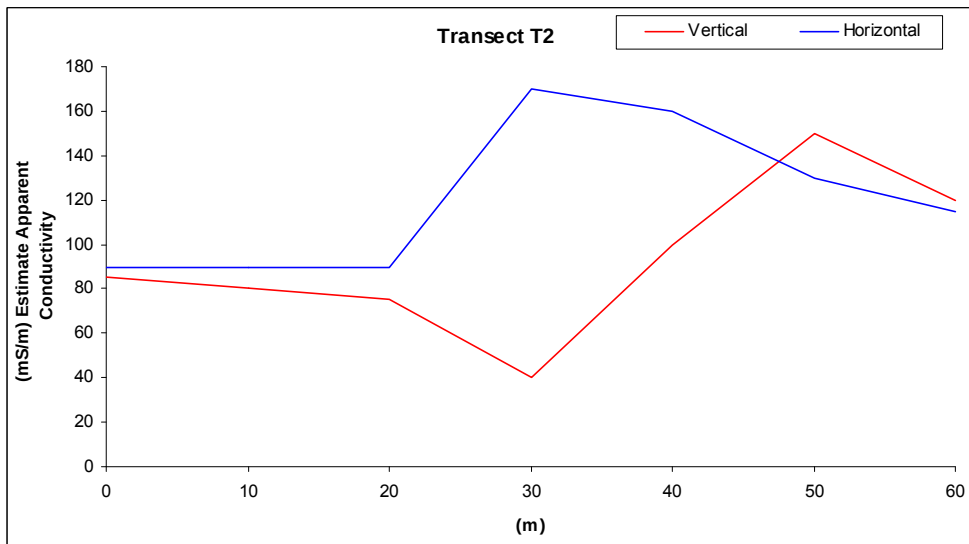
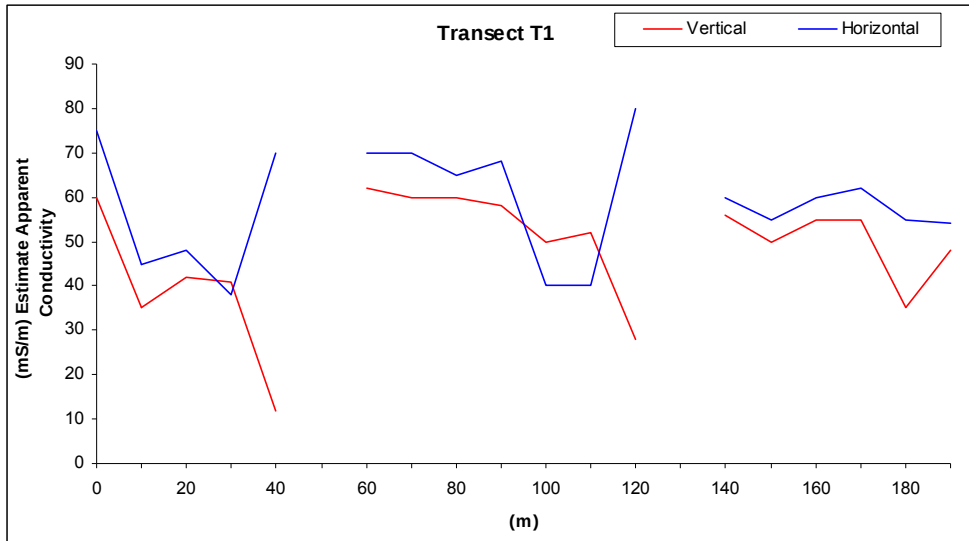
Summary EM38 Results table

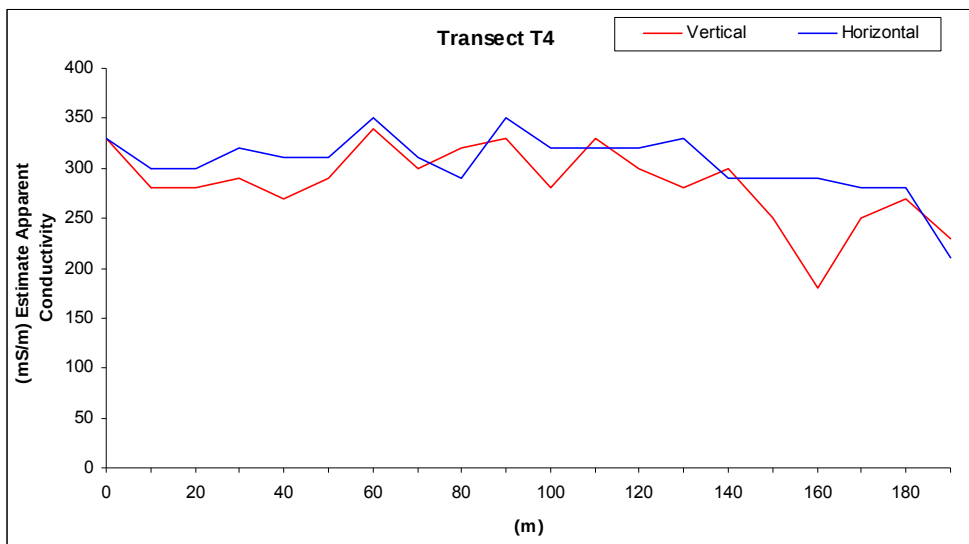
Site	EM38 Average	Ranking
Tomago		
T1	53.17	Low
T2	106.79	Medium
T3	507.64	Very High
T4	295	High
Fullerton Cove		
F5	463.5	High
F7	481.96	High
Kooragang		
K2	396.75	High
K5	377.38	High
K7	245.83	Medium
Hexham		
H1	196.4	Medium
H4	250.2	High
H6	112	Medium

Soil Electrical Conductivity (EM38 Results)

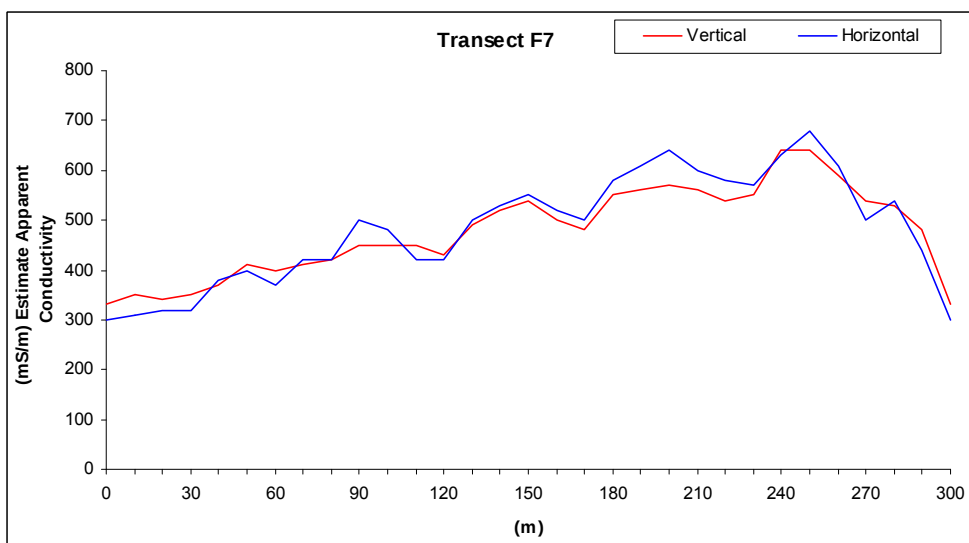
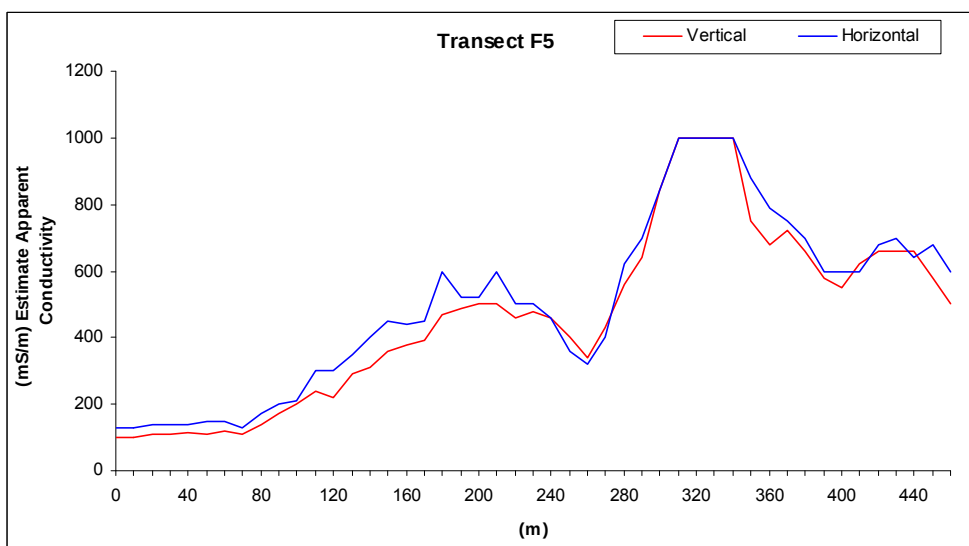


Tomago Transects

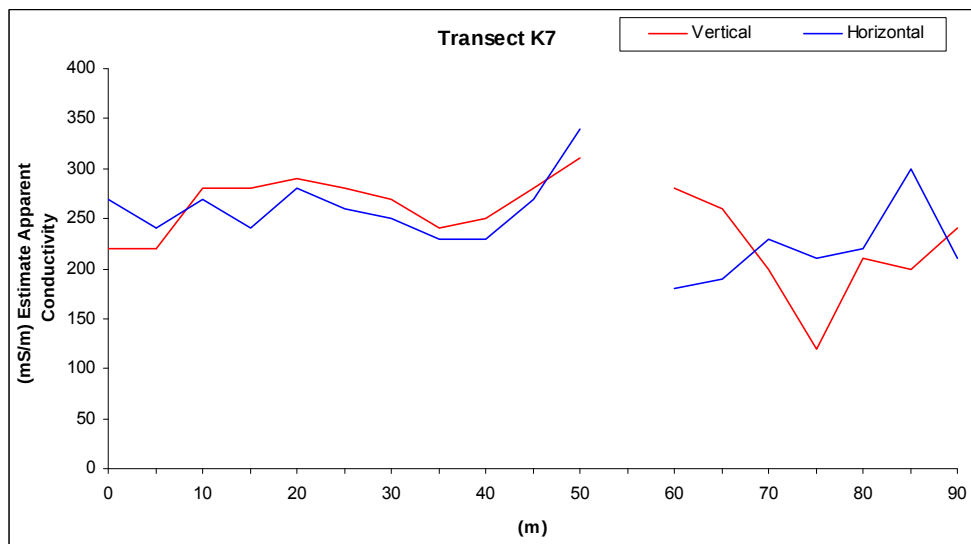
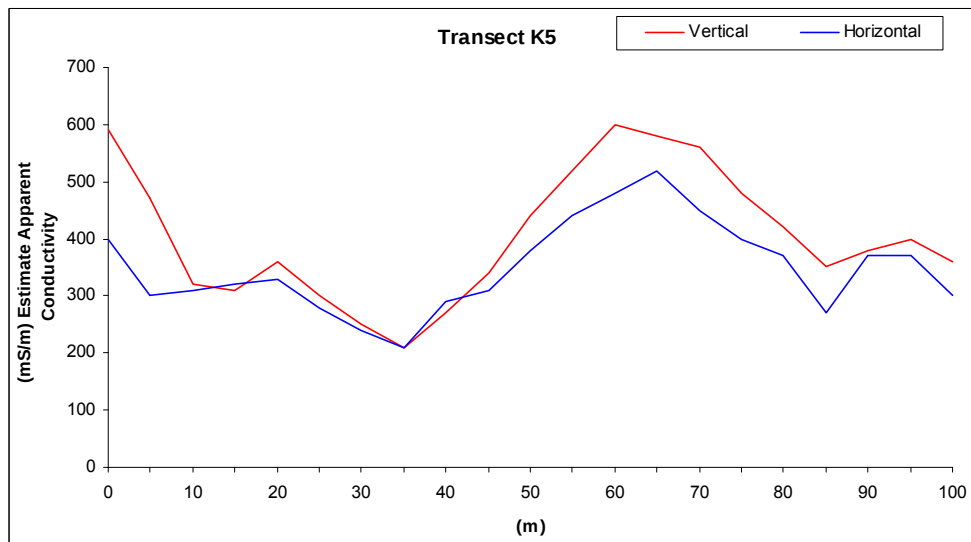
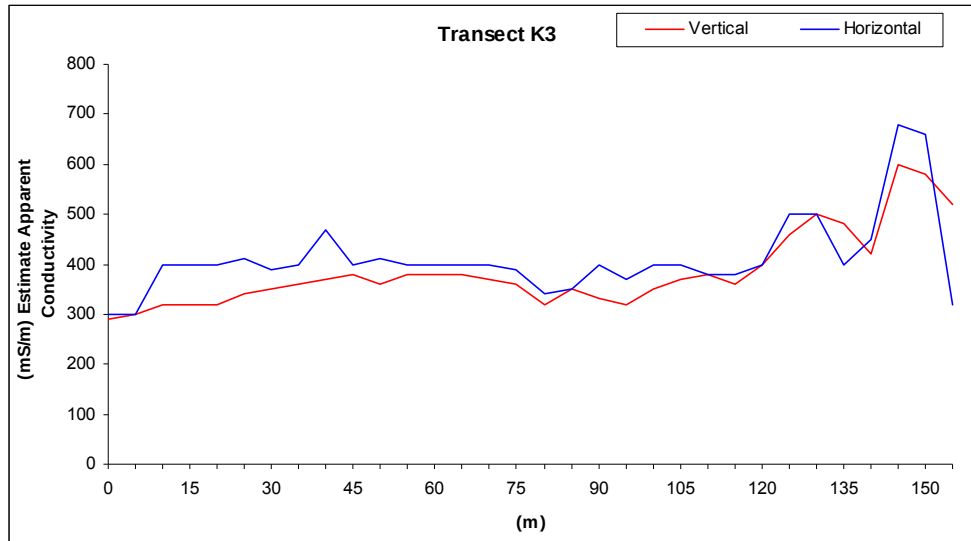




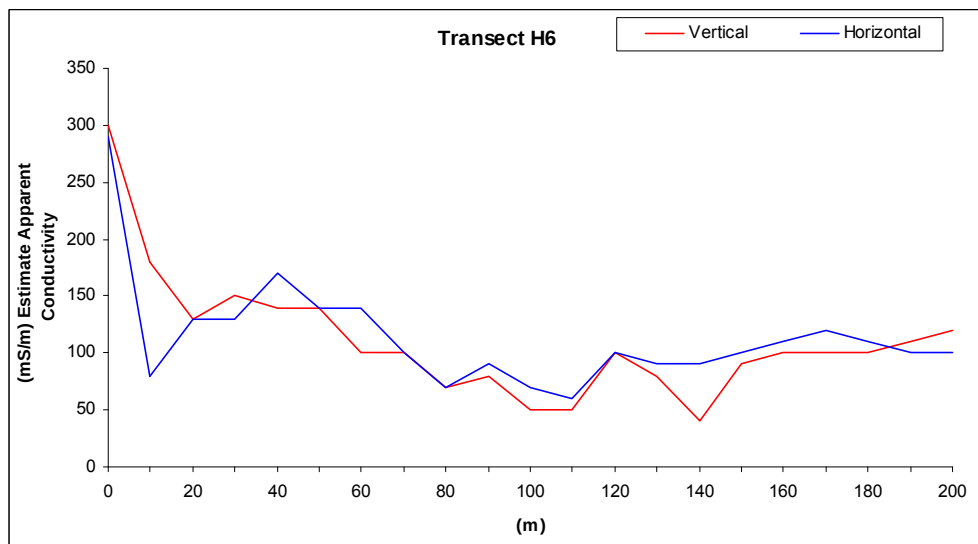
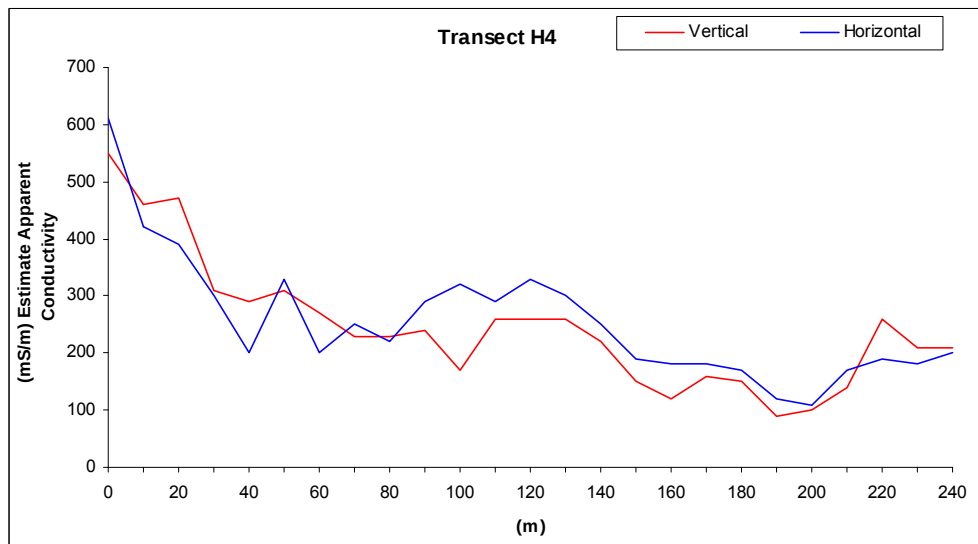
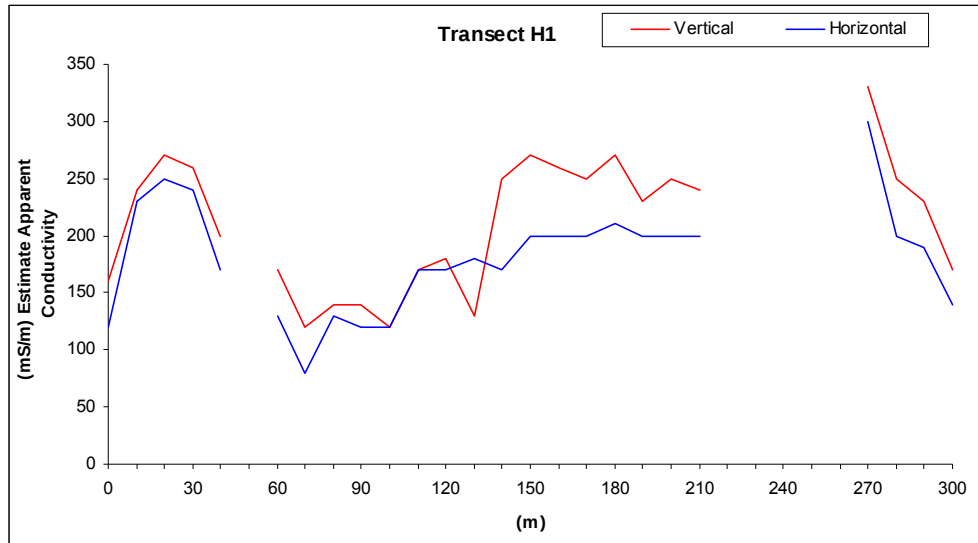
Fullerton Transects



Kooragang Transects



Hexham Transects



Appendix 7:

Water Sample Data Analysis

Low Risk

Location	Site No.	pH	EC (µS/cm)	Chloride (mg/L)	Sulfate (mg/L)	Cl/SO ₄ Ratio	GW Depth (cm)	Date Sampled
Hexham	4 WT	5	15000	4500	1400	3.2	30	1/05/08
Hexham	5 P	6.6	730	130	47	2.8	na	1/05/08
Hexham	3 S	6.8	1200	330	36	9.2	na	1/05/08
Fullerton	4 WT	7.2	24000	8900	680	13.1	10	10/04/08
Fullerton	5 SD	7.2	1300	290	28	10.4	na	10/04/08
Tomago	2 WT	7.4	1200	83	18	4.6	55	30/04/08
Hexham	4 P	7.5	2400	610	84	7.3	na	1/05/08
Fullerton	5 LD	7.5	490	80	21	3.8	na	10/04/08

Medium Risk

Location	Site No.	pH	EC (µS/cm)	Chloride (mg/L)	Sulfate (mg/L)	Cl/SO ₄ Ratio	GW Depth (cm)	Date Sampled
Kooragang	8 WT	3.9	5000	3200	150	21.3	70	9/04/08
Tomago	5 S	4	1200	150	140	1.1	na	2/05/08
Tomago	4 WT	4.3	6300	1400	310	4.5	15	30/04/08
Tomago	3 WT	4.4	16000	3900	1200	3.3	20	30/04/08
Kooragang	6 WT	5.1	6700	2700	380	7.1	10	8/04/08
Kooragang	5 WT	5.3	18000	6900	770	9	30	8/04/08
Kooragang	7 WT	5.7	3700	1700	640	2.7	85	9/04/08
Tomago	3 D	5.9	740	140	51	2.7	na	30/04/08
Kooragang	4 WT	5.9	30000	15000	800	18.8	75	8/04/08
Hexham	1 WT	6.1	10000	4200	160	26.3	30	11/04/08
Hexham	1 C	6.1	1500	430	56	7.7	na	11/04/08
Tomago	6 S	6.3	3300	600	32	18.8	na	2/05/08
Fullerton	3 WT	6.5	34000	14000	1200	11.7	10	10/04/08
Hexham	1 D	6.7	4400	1700	76	22.4	na	11/04/08
Tomago	4 D	6.8	1100	220	37	5.9	na	30/04/08
Tomago	5 D	6.8	670	110	23	4.8	na	2/05/08
Kooragang	1 WT	7.2	32000	11000	480	22.9	45	7/04/08
Kooragang	3 WT	7.2	45000	20000	1500	13.3	50	8/04/08
Kooragang	3 P	7.3	12000	7400	290	25.5	na	8/04/08
Kooragang	1 P	9.1	14000	7800	500	15.6	na	7/04/08

High Risk

Location	Site No.	pH	EC (µS/cm)	Chloride (mg/L)	Sulfate (mg/L)	Cl/SO ₄ Ratio	GW Depth (cm)	Date Sampled
Fullerton	1 WT	3.6	11000	4000	460	8.7	15	10/04/08
Fullerton	2 WT	3.8	12000	3400	880	3.9	35	10/04/08
Shortland	2 WT	4.7	4100	1400	770	1.8	40	9/04/08
Tomago	1 WT	5.8	210	16	8.9	1.8	45	30/04/08
Hexham	2 S	6.6	1100	190	17	11.2	na	1/05/08

WT = Water table; D = Drain water, S = Surface water, P = Pond water

