

FOCE - Heron Island Concept Costing

kiwi 7-Mar-08

Main station	QTY	Unit	\$ /unit	Subtotal
Computer Work Station	1	ea	\$2,500.00	\$2,500.00
Network Server	1	ea	\$350.00	\$350.00
Wiring (to control Bdg and Mix Chamber	150	ft	\$5.00	\$750.00
CO2 Storage Tank	1	ea	\$25,000.00	\$25,000.00
CO2 Valve (input and output)	4	ea	\$750.00	\$3,000.00
CO2 Pumping to Mix Chamber	100	ft	\$12.00	\$1,200.00
				\$32,800.00
Mixing Chamber				
Tank	1	ea	\$3,500.00	\$3,500.00
Tank Room	1	ea	\$3,500.00	\$3,500.00
Dispersing head	10	ea	\$30.00	\$300.00
Plumbing	100	ft	\$5.00	\$500.00
Circulation Pump	1	ea	\$2,500.00	\$2,500.00
Motorized Vent Lid	1	ea	\$250.00	\$250.00
Exhaust piping	50	ft	\$5.00	\$250.00
Fill Water Pump	1	ea	\$5,000.00	\$5,000.00
pH sensors	4	ea	\$1,500.00	\$6,000.00
Main Pump to FOCE at Coral	1	ea	\$5,000.00	\$5,000.00
				\$26,800.00
System Controller				
Weather Housing	1	ea	\$2,500.00	\$2,500.00
Communciations equipment	1	set	\$1,500.00	\$1,500.00
Connectors	4	ea	\$750.00	\$3,000.00
Power components	1	set	\$4,500.00	\$4,500.00
Instrument Interface	2	set	\$2,500.00	\$5,000.00
Instrument J Box	2	ea	\$750.00	\$1,500.00
Submerged connectors	4	ea	\$2,000.00	\$8,000.00
				\$26,000.00
FOCE / Control Installation				
Emitter towers	24	ea	\$250.00	\$6,000.00
Plumbing (FOCE and Control)	350	ft	\$4.50	\$1,575.00
Control valves	12	ea	\$450.00	\$5,400.00
Anchors	24	ea	\$50.00	\$1,200.00
Bracing	24	ea	\$25.00	\$600.00
Wiring (FOCE and Control)	350	ft	\$15.00	\$5,250.00
Air Sea Transition Interface (armoring)	2	ea	\$1,500.00	\$3,000.00
Bracing	24	ea	\$25.00	\$600.00
CO2 Tanks	10	ea	\$500.00	\$5,000.00
				\$28,625.00
Instrumentation				
pH Sensors	8	ea	\$1,500.00	\$12,000.00
Master pH Sensor	2	ea	\$4,500.00	\$9,000.00
Current Meters (ADV ?)	2	ea	\$21,000.00	\$42,000.00
Light Sensor	2	ea	\$4,500.00	\$9,000.00
pCO2 (SAMI)	2	ea	\$19,000.00	\$38,000.00
CTD	2	ea	\$7,500.00	\$15,000.00
				\$125,000.00
Misc.				
Expendables	1		\$2,500.00	\$2,500.00
				\$2,500.00
Total Enclosed FOCE Costs				\$241,725.00