

Table 2
Project Budget Estimates
YRAA Hatchery

Item No.	Item Description	20 million egg	40 million egg
A	Site Development	\$64,800	\$64,800
B	Water Supply and Drain Systems	\$72,000	\$72,000
C	Hatchery Building	\$319,800	\$528,000
D	Fish Culture Systems	\$217,700	\$379,000
E	Process Water Tempering System	\$45,600	\$45,600
F	Saltwater Rearing	\$104,400	\$164,000
G	Support Facilities (Office, lab, apartment)	\$276,000	\$276,000
H	Mobilization	\$47,992	\$87,100
	Estimated Construction Bid Amount	\$1,157,900	\$1,616,500
	8% Design	\$92,632	\$129,320
	1% Permitting	\$11,579	\$16,165
	8% Construction Administration	\$92,632	\$129,320
	3% YRAA Legal, Admin Costs	\$34,737	\$48,495
	8% Construction Contingencies	\$92,632	\$129,320
	Total Project Budget	\$1,482,112	\$2,069,120

**YRAA Hatchery
20 Million Egg Facility
Budget Item Details**

ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE	AMOUNT	SUBTOTALS	SUBTOTALS WITH EST CONTINGENCY
Site Development					\$54,000	\$64,800
1	Fill	100	\$ 40.00	\$ 4,000		
2	Foundation excavation and preparation	1	\$ 5,000.00	\$ 5,000		
3	Septic Tank, Drainfield	1	\$ 10,000.00	\$ 10,000		
4	Fuel tanks, pumps, piping	1	\$ 5,000.00	\$ 5,000		
5	Emergency Genset	1	\$ 20,000.00	\$ 20,000		
6	Communications, Alarms	1	\$ 10,000.00	\$ 10,000		
Water Supply and Drain Systems					\$60,000	\$72,000
1	Intakes at hillside springs	4	\$ 5,000.00	\$ 20,000		
2	Water supply piping	300	\$ 50.00	\$ 15,000		
4	Water supply piping, installation	1	\$ 5,000.00	\$ 5,000		
5	Head tank	1	\$ 5,000.00	\$ 5,000		
6	Gas Stabilization Tower	1	\$ 5,000.00	\$ 5,000		
7	Valves, misc fittings	1	\$ 5,000.00	\$ 5,000		
8	Drain system to saltwater	1	\$ 5,000.00	\$ 5,000		
Hatchery Building					\$266,500	\$319,800
1	Foundations	30	\$ 1,500.00	\$ 45,000		
2	Slab	30	\$ 1,000.00	\$ 30,000		
3	Pre-engineered metal bldg, installed	1400	\$ 125.00	\$ 175,000		
4	Mechanical, heat and vent	1	\$ 1,500.00	\$ 1,500		
5	Electrical, lighting	1	\$ 15,000.00	\$ 15,000		
Fish Culture Systems					\$181,400	\$217,700
1	Nopad Incubators	112	\$ 1,200.00	\$ 134,400		
3	40x8x5 alum raceway	1	\$ 20,000.00	\$ 20,000		
4	Gas Stabilization Tower	1	\$ 2,000.00	\$ 2,000		
5	Distribution Piping	1	\$ 10,000.00	\$ 10,000		
6	Shipping and installation	1	\$ 15,000.00	\$ 15,000		
Process Water Tempering System					\$38,000	\$45,600
1	Boiler or saltwater piping	1	\$ 5,000.00	\$ 5,000		
2	Circ pumps	2	\$ 4,000.00	\$ 8,000		
3	Heat exchangers	1	\$ 15,000.00	\$ 15,000		
4	Electrical	1	\$ 5,000.00	\$ 5,000		
5	Control system	1	\$ 5,000.00	\$ 5,000		
Saltwater Rearing					\$87,000	\$104,400
1	Wavemaster Frames, 40x40	7	\$ 10,000.00	\$ 70,000		
2	Nets	7	\$ 1,000.00	\$ 7,000		
3	Anchors	1	\$ 5,000.00	\$ 5,000		
4	Misc equipment, feed shed, etc.	1	\$ 5,000.00	\$ 5,000		
Support Facilities (Office, lab, apartment)					\$230,000	\$276,000
1	Office, laboratory, shops etc.	500	\$ 150.00	\$ 75,000		
2	Apartment	1000	\$ 150.00	\$ 150,000		
3	Office, laboratory finishes and furnishings	1	\$ 5,000.00	\$ 5,000		
Mobilization					\$47,992	\$57,600
				Subtotal	\$ 964,900	
				20% Design/Estimating Conting	\$193,000	
				Estimated Construction Bid Amount	\$1,157,900	\$1,157,900

**YRAA Hatchery
40 Million Egg Facility
Budget Item Details**

ITEM NO.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE	AMOUNT	SUBTOTALS	SUBTOTALS WITH EST CONTINGENCY
A	Site Development					\$54,000	\$64,800
1	Fill	cy	100	\$ 40.00	\$ 4,000		
2	Foundation excavation and preparator	ls	1	\$ 5,000.00	\$ 5,000		
3	Septic Tank, Drainfield	ls	1	\$ 10,000.00	\$ 10,000		
4	Fuel tanks, pumps, piping	ls	1	\$ 5,000.00	\$ 5,000		
5	Emergency Genset	ls	1	\$ 20,000.00	\$ 20,000		
6	Communications, Alarms	ls	1	\$ 10,000.00	\$ 10,000		
B	Water Supply and Drain Systems					\$60,000	\$72,000
1	Intakes at hillside springs	ea	4	\$ 5,000.00	\$ 20,000		
2	Water supply piping	lf	300	\$ 50.00	\$ 15,000		
4	Water supply piping, installator	ls	1	\$ 5,000.00	\$ 5,000		
5	Head tank	ls	1	\$ 5,000.00	\$ 5,000		
6	Gas Stabilization Tower	lf	1	\$ 5,000.00	\$ 5,000		
7	Valves, misc fittings	ls	1	\$ 5,000.00	\$ 5,000		
8	Drain system to saltwater	ls	1	\$ 5,000.00	\$ 5,000		
C	Hatchery Building					\$440,000	\$528,000
1	Foundations	cy	50	\$ 1,500.00	\$ 75,000		
2	Slab	cy	50	\$ 1,000.00	\$ 50,000		
3	Pre-engineered metal bldg, installat	sf	2200	\$ 125.00	\$ 275,000		
4	Mechanical, heat and vent	ls	1	\$ 20,000.00	\$ 20,000		
5	Electrical, lighting	ls	1	\$ 20,000.00	\$ 20,000		
D	Fish Culture Systems					\$315,800	\$379,000
1	Nopad Incubators	ea	224	\$ 1,200.00	\$ 268,800		
3	40x8x5 alum raceway	ea	1	\$ 20,000.00	\$ 20,000		
4	Gas Stabilization Tower	ea	1	\$ 2,000.00	\$ 2,000		
5	Distribution Piping	ls	1	\$ 10,000.00	\$ 10,000		
6	Shipping and installator	ls	1	\$ 15,000.00	\$ 15,000		
E	Process Water Tempering System					\$38,000	\$45,600
1	Boiler or saltwater piping	ls	1	\$ 5,000.00	\$ 5,000		
2	Circ pumps	ea	2	\$ 4,000.00	\$ 8,000		
3	Heat exchangers	ea	1	\$ 15,000.00	\$ 15,000		
4	Electrical	ls	1	\$ 5,000.00	\$ 5,000		
5	Control system	ls	1	\$ 5,000.00	\$ 5,000		
F	Saltwater Rearing					\$164,000	\$164,000
1	Wavemaster Frames, 40x40	ea	14	\$ 10,000.00	\$ 140,000		
2	Nets	ea	14	\$ 1,000.00	\$ 14,000		
3	Anchors	ls	1	\$ 5,000.00	\$ 5,000		
4	Misc equipment, feed shed, etc.	ls	1	\$ 5,000.00	\$ 5,000		
G	Support Facilities (Office, lab, apartment)					\$230,000	\$276,000
1	Office, laboratory, shops etc.	sf	500	\$ 150.00	\$ 75,000		
2	Apartment	sf	1000	\$ 150.00	\$ 150,000		
3	Office, laboratory finishes and furnishings	sf	1	\$ 5,000.00	\$ 5,000		
H	Mobilization	%	8%	\$ 907,800	\$ 72,624	\$72,624	\$87,100

	Subtotal \$	1,374,400
20% Design/Estimating Conting	\$	274,900
Estimated Construction Bid Amount	\$	1,649,300
		\$1,616,500