

Freshwater Aquaculture Geothermal Feasibility Study: Raft River, ID



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For

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Water for Fresh Water Aquaculture At the Proposed Raft River Power
Production Site

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Equipment sources	

Appendix A – Equipment sources

Aquaculture Tank Heating

5-tank heat exchanger	49NT40	AES
temperature controller, electronic, immersion sensor	6XJ74	G
control valve, hydronic zone, ¾”	2E991	G
transformer, 115/24v, 40VA	4X746	G

Ventilation Air Heating

Hot water coil, 2 row, 8FPI, 24”x48”		
Heat exchanger, brazed plate,		
Control valve, hydronic zone, ¾”	2E991	G
Thermostat, remote bulb	2E834	G
Relay, transformer, 24V	2E852	G
Circulating pump, 1/4hp	5YN65	G
Expansion tank, 2.1 gal	2P672	G
Air vent, automatic	4A821	G

Building Space Heating

Unit heaters, hot water, 87,100 Btuh nominal	5YH19	G
Zone valve, ¾”	2E991	G
Thermostat,	5E266	G
Relay/transformer	2E852	G

Main Loop

Circulating pump, 66 gpm, 1 ½ hp,	5YN73	G
Self powered valve		
Airtrol fitting, 1 ¼”	4UN90	G
Pressure reducing valve	4A822	G
Expansion tank, 20 gal	2P671	G

Ventilation

Fan, propeller, 30” 1/2hp	7CC20	G
Fan guard	6D586	G
Wall shutter	1CO55	G

Note: All equipment should be verified for suitability and compliance with final system design and all applicable codes.

AES – Aquaic Eco Systems www.aquaticeco.com

G – W W Grainger – www.grainger.com