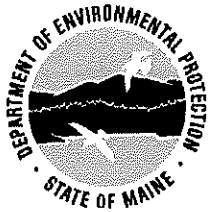


**ATTACHMENT F TO WDL  
DEP Form: Fish Rearing**



Form DEPLW1999-18  
Revised: February 21, 2018

Maine Department of Environmental Protection  
Waste Discharge Permit Application

### Fish Rearing Facilities

This form must be attached to the General Application for a Waste Discharge License.  
(Form DEPLW0105-B2003)

Please answer all questions completely, using additional pages as necessary with responses clearly identified by item number on this form.

1. Facility Name: **Whole Oceans, LLC** NPDES #ME
2. Source(s) of water supply and average monthly flow of each: **Penobscot River -- 3 mg/d  
Silver Lake -- 1 mg/d**
3. Is any of the hatching or rearing water heated or cooled by mixing with water from another source, use heat exchangers, etc? **Yes** If yes, explain listing the volumes and maximum temperatures of each source. **Yes, heat exchangers are used to temper the culture tank water temperatures. Hatchery = 5-8C, Start Feed = 12-16C, Parr = 16C, PreSmolt = 16C, Smolt = 16C, Post Smolt = 12-14C, Grow Out = 12-14C, Off Flavor = 14C**
4. Type(s) of feed used: **Commercial Fish Farm Feed -**
5. Amount of feed used. Average: **22,000** lbs/day Maximum: **60,000** lbs./day
6. Month(s) of maximum feeding: **4 months per year at max feed load**
7. Species of fish raised: **Atlantic salmon**
8. Maximum quantity of fish at any time.  

Brood stock:	Pounds: <u>N/A</u>	Number of fish: <u>          </u>
First Year Fish:	Pounds: <u>255,300 kg</u>	Number of fish: <u>          </u>
Second Year Fish:	Pounds: <u>4,520,000 kg</u>	Number of fish: <u>          </u>
9. Attach a drawing showing the number, size and arrangement of all rearing tanks.  
(See Attachment A)
10. Attach a list of all disinfectants used, giving for each the name, ingredients, frequency of use, concentration of use, and total quantity used per year.  
(See Attachment B)
11. Attach a list of drugs and/or therapeutic agents used, giving for each a name, ingredients, frequency of use, concentration of use, and total quantity used per year.  
(See Attachment B)

# Attachment A to Questi Fish Rearing Form



MANUFACTURED BY  
IN THE STATE OF CALIFORNIA  
www.questifish.com

QUESTI FISH  
FISH REARING FORM

QUESTI FISH  
FISH REARING FORM

QUESTI FISH  
FISH REARING FORM

WHOLE OCEANS

REV #	DATE	DESCRIPTIONS

PROJECT #  
SHEET #

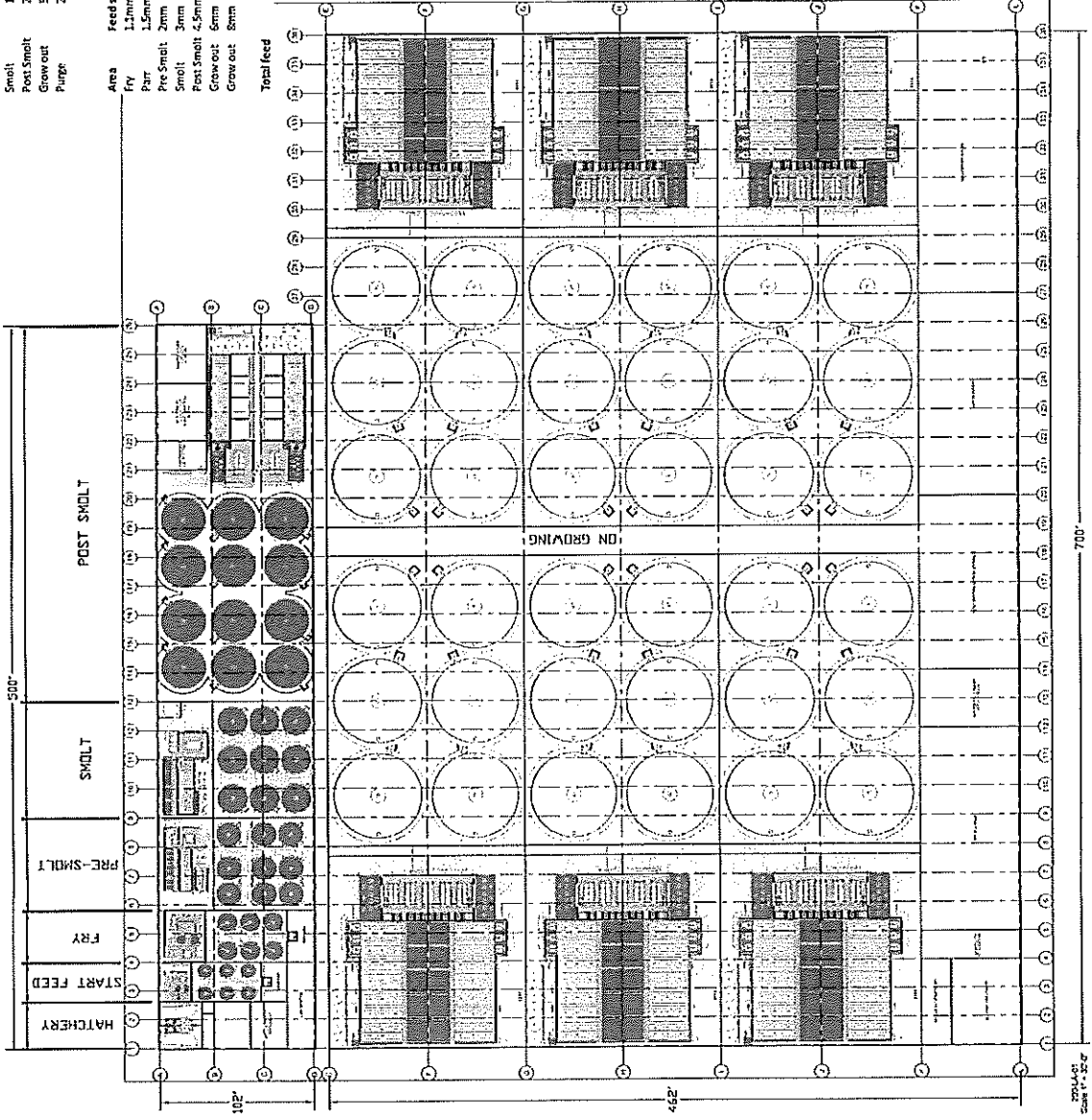
DATE  
SCALE

PROJECT #  
SHEET #

QUESTI FISH  
FISH REARING FORM

5000 MT	Diameter(ft.)	H2O height(ft.)	Tank Height(ft.)	Capacity (gal)
Area	9.84	2.95	3.6	1,700
Fry	13.12	3.94	5.24	4,500
Pre-Smolt	16.4	6.06	7.05	9,500
Smolt	19.68	7.95	8.53	17,000
Post-Smolt	20.52	11.48	13.12	50,000
Grow out	57.41	23.45	24.77	455,000
Purge	26.25	16.99	18.53	69,000

Area	Feed size	Feed/(day)(Lbs.)
Fry	1.2mm	66
Pre-Smolt	1.5mm	230
Smolt	2mm	661
Post-Smolt	3mm	1,102
Grow out	4.5mm	4,489
Grow out	6mm	14,550
Grow out	8mm	38,871
<b>Total feed</b>		<b>59,809</b>



PROJECT #  
SHEET #

DATE

SCALE

QUESTI FISH  
FISH REARING FORM

WHOLE OCEANS

LANDSCAPE ARCHITECTURE

DESIGN CONSULTANT

REGISTERED ARCHITECT

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

NO. 111111111

**Fish Rearing Facilities Form  
(Form DEPLW1999-18)**

10. List of all disinfectants that could be used, with name, ingredients, frequency of use, concentration of use, and total quantity used per year.

**Disinfectants:**

- Sodium hypochlorite (bleach): Active ingredient: 8% sodium hypochlorite in concentrated form. Typically used at 100-1000 ppm for general cleaning/disinfection. Approximate annual use: 250 gallons of 1:100 diluted form.

11. List of all drugs and/or therapeutic agents that could be used, with name, ingredients, frequency of use, concentration of use, and total quantity used per year.

**Antibiotics:**

- Terramycin® 200 (oxytetracycline dehydrate, 44% active): Used in accordance with label for a maximum of 3.75 g active oxytetracycline/100 lb fish/day as an in-feed treatment for susceptible bacterial infections. Potential annual use: 4,125 kg active oxytetracycline dihydrate/yr.
- Aquaflor® (florfenicol; 50% active): Used in accordance with label with maximum of 15 mg/kg fish/day as an in-feed treatment for susceptible bacterial infections. Potential annual use: 7,500 kg active florfenicol.
- Romet® 30/Romet® TC (sulfadimethoxine/ormetoprim, 30% active or 20% active, respectively): In accordance with label, 50 mg/kg fish as an in-feed treatment for susceptible bacterial infections. Potential annual use: 1,125 kg active sulfadimethoxine/ormetoprim/yr.

**Other Therapeutants:**

- Sodium chloride: Discharge of up to 35 kg NaCl/day for periodic treatment of fish in nursery units, and discharge of up to 42,350 kg/day for maintaining salinity in growout systems.
- Calcium chloride [amount TBD]