



Nanaimo  
Land Based  
Model Aquafarm

# Our Partners



# Our funding partners

Budget – 1.2 – 1.4 million

Includes Capital Cost and 1<sup>st</sup> Year Operations



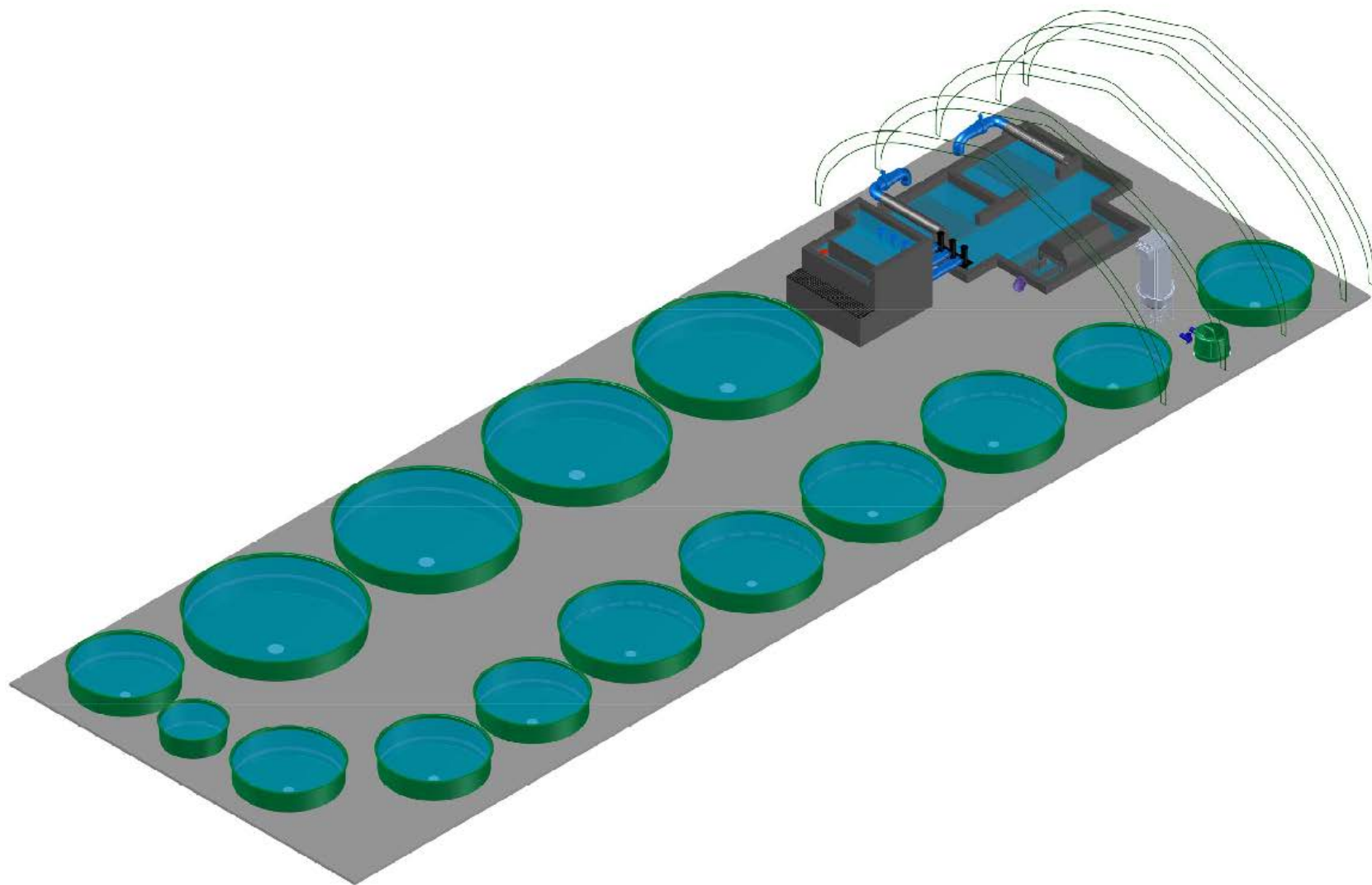


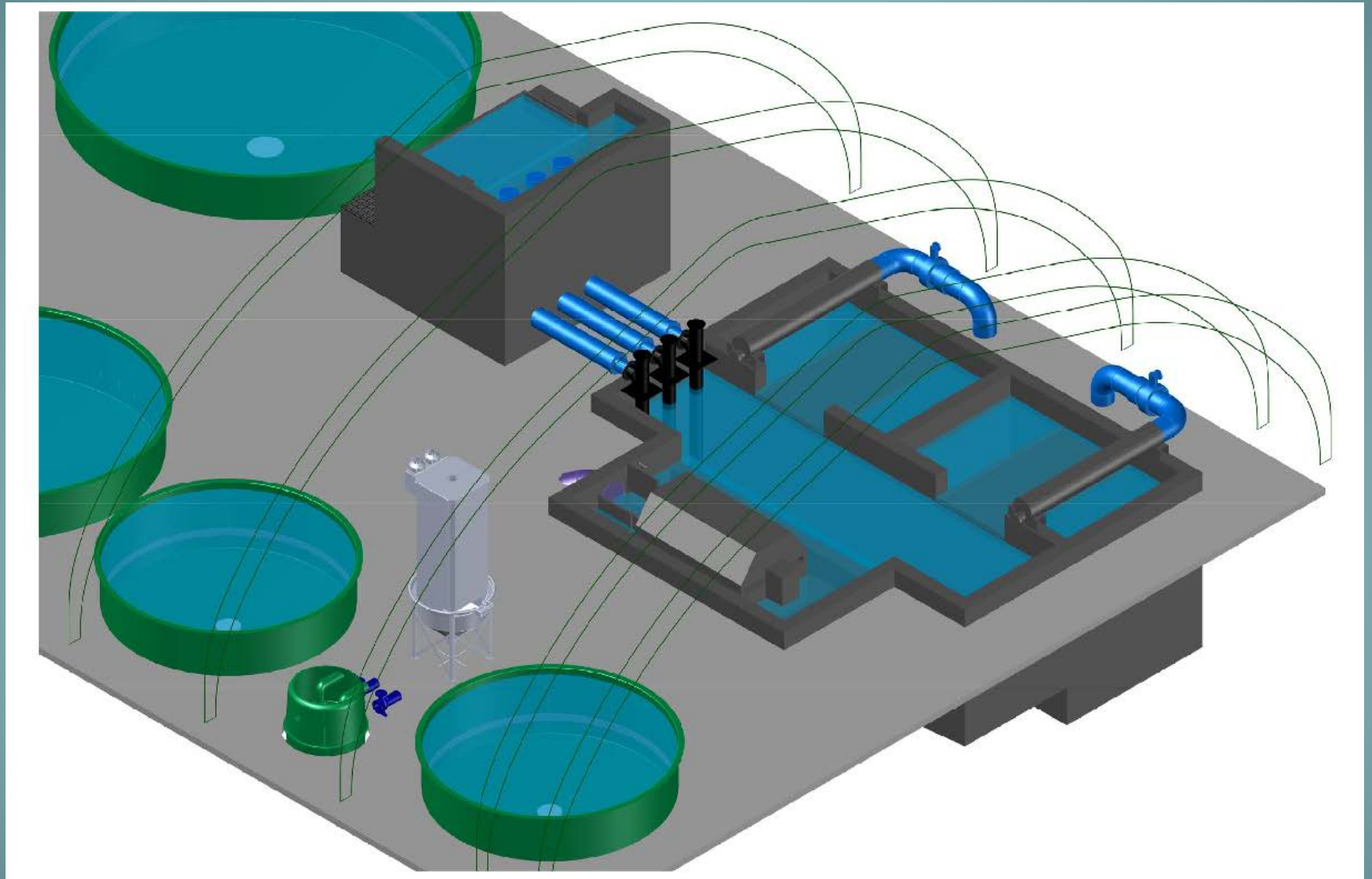
# Project quick facts..

- Canadian Model Aquafarm Initiative of IPSFAD
  - Will be a model, leading to a blueprint – IPSFAD
  - Training Facility – V.I.U.
  - R&D Facility – PRAqua
  - Business Venture – Taste of BC
- Budget - 1.2-1.4 million
- Circular Tank Model – 99.6% RAS
- Production- 100MT annually
- Species – Steelhead Salmon 2 kg avg
- Harvest – Weekly - 2 MT

# Facility

- 204' x 70' foot fabric building
- 15 tanks
  - 1 10' Tank
  - 4 each -16' , 20' , 26' Tanks
  - 2 additional 16' tanks for purge cell
- Treatment Cell – below grade
  - Approx 30' x 30' x 10'
    - 2 chamber fsb biofilter,
    - drum filter,
    - co2 stripper/pump sump
- LHO/ Header Tank
  - Approx 10'x10'x10'
- Purge Cells independent of main system
  - Allows for sterilization between harvests





# When we last met...

- Site Prep started late May – Construction projected complete by March 2013 projected partial start up early 2013
  - Site cleared, excavated, backfilled
  - Treatment cell constructed
  - Exterior Walls footings poured walls in process
  - Plumbing started
  - Tanks delivered, some refurbished













# Today

- Approximately 95% complete
  - Tanks plumbed
  - Bio filter installed, LHO installed, Drum filter installed
  - Building started- 1 week to finish
  - Pumps mostly installed
  - Co2 Stripped started
  - Motor Control and monitoring package ordered
  - Oxygen system on site
  - Purge systems complete – being used “flow through/partial RAS





25,000 20 gm fish  
stocked March 28,  
2013 (15,000 in old  
system waiting  
transfer)

7500 800+ gm fish  
stocked March 28,  
2013





# Last Week





Saturday April 20







Influent pump 45 gpm  
Process pump 2250 gpm

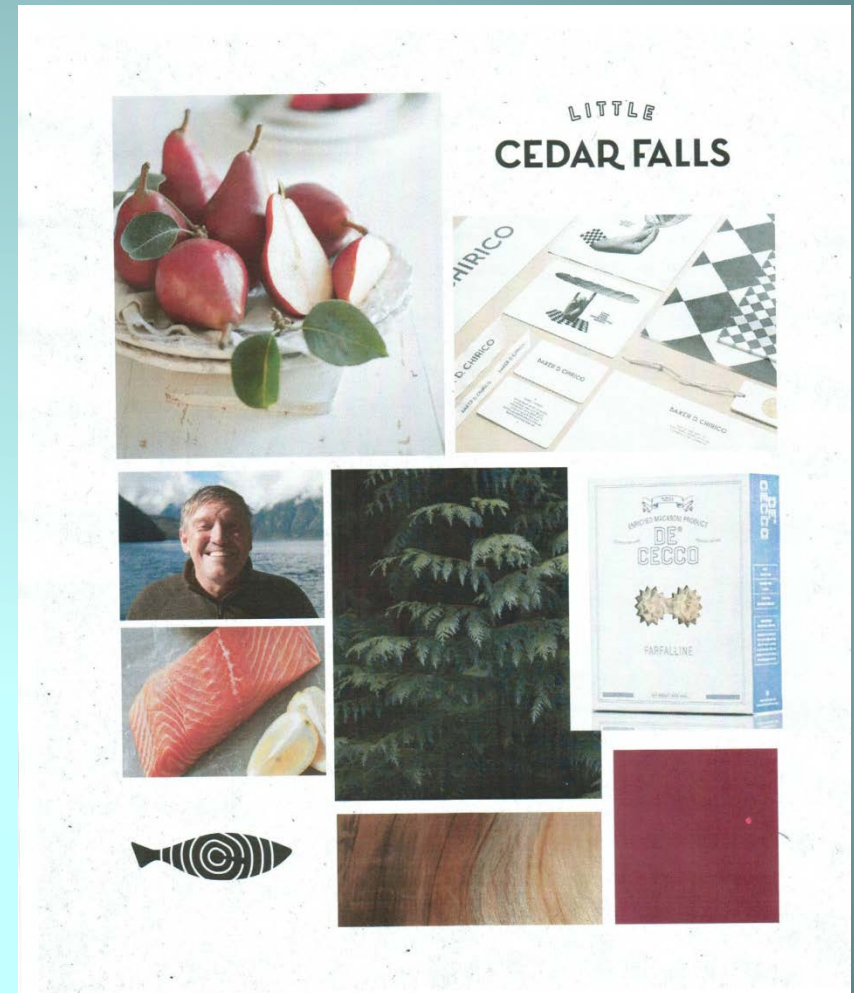




# Marketing Program in development

- SeaMarket: Marketing Team
- SeaAgra : Brokerage

LITTLE  
CEDAR FALLS



# Projected vs Actual

- Budget
  - Projected \$1.29 M (1.45)    Actual \$1.5 M (1<sup>st</sup> year operation not included)
    - Building added
    - Site works about \$150,000 over budget
- Schedule
  - Projected compete March 2013    Actual compete May 2013
    - Start delayed - total construction period expected 11 months actual 11 months
- Problems
  - One Major Delay --BC Hydro – 3 phase vs 1 phase
  - Site Conditions / Building in winter

# For further info:



Taste of BC Aquafarms

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