PROGRESS REPORT YEAR FOUR OF OPERATIONS

Garry Ullstrom, CEO



Land Raised[™] Atlantic salmon









THE COLLABORATORS







TIDESCanada

uncommon solutions for the common good

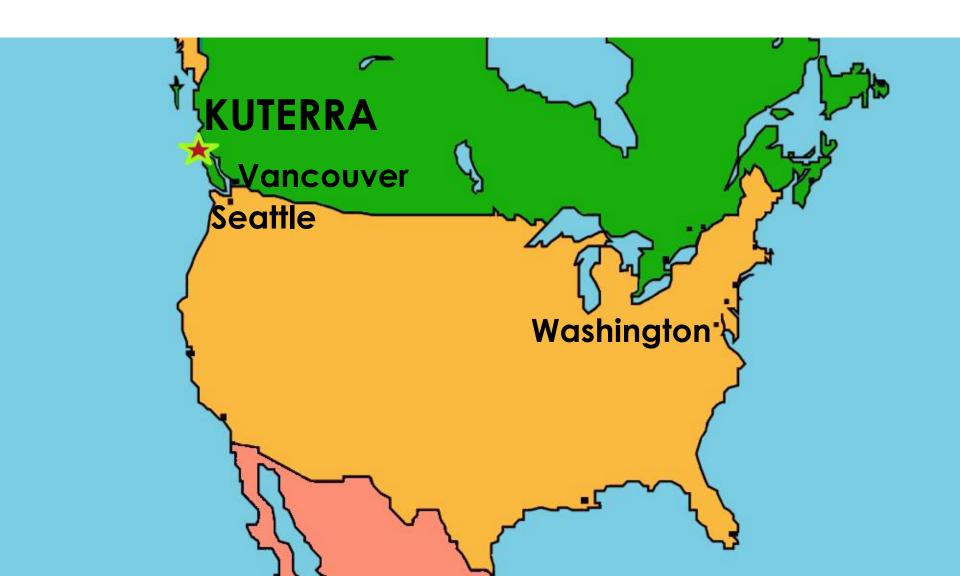
ADVANCES





KUTERRA





KUTERRA FROM ABOVE





BROAD SUPPORT







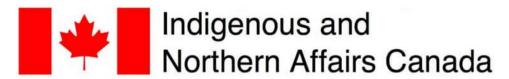
















KUTERRA PILOT PROJECT

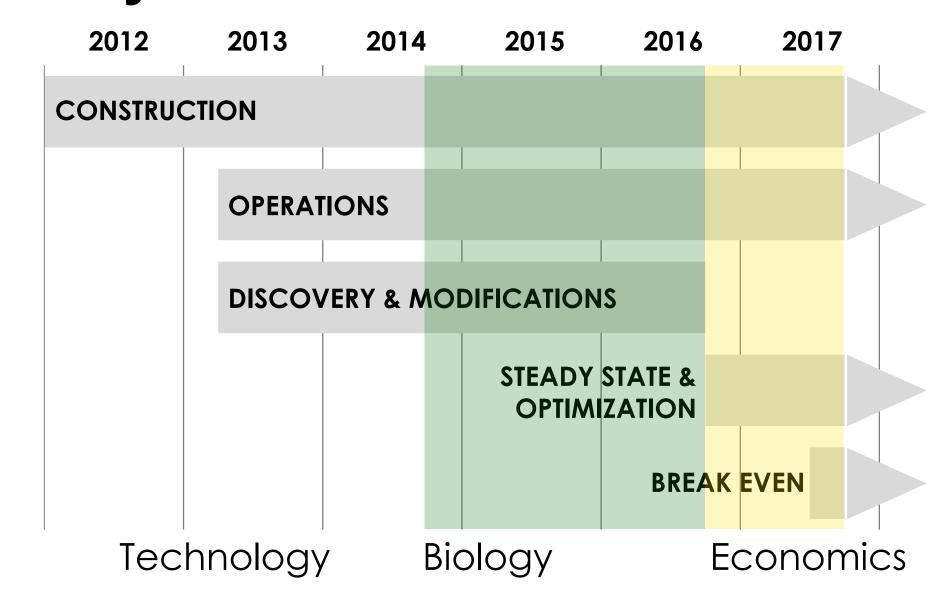


Assess technological, biological, and economic feasibility.



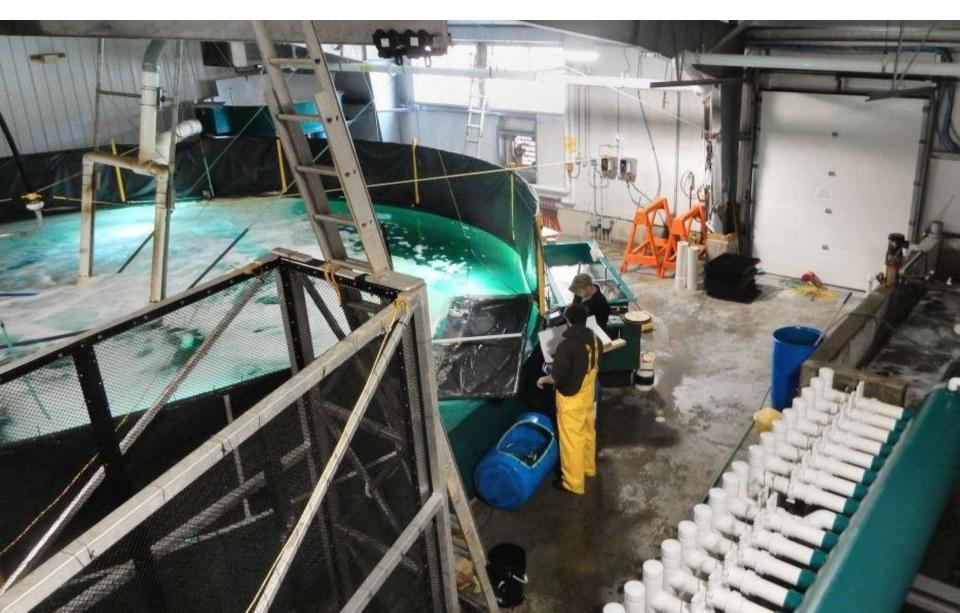
PROJECT DEVELOPMENT





STARTUP ISSUES





NEW HARVEST TANKS





FISH PERFORMANCE



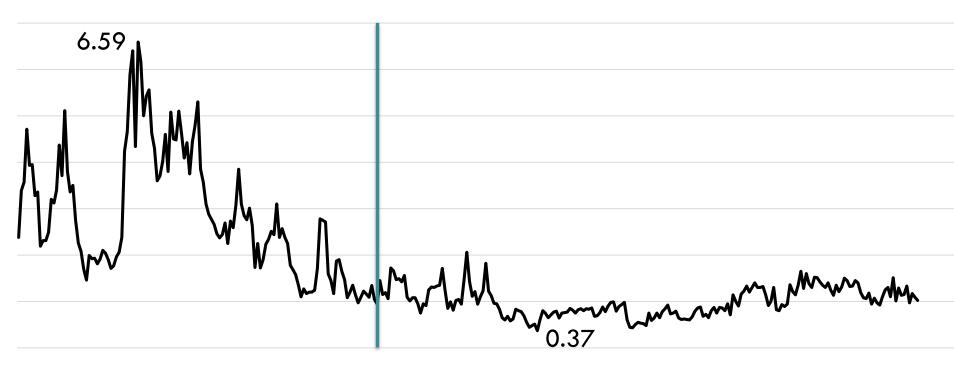
- 1. Mortality reduced
- 2. Early maturation reduced
- 3. Fish size increased
- 4. Flavour improved



SYSTEM STABILIZED



Turbidity (NTU)



biofilter stabilized November 2016

TECHNICAL TAKEAWAYS



- Do your research.
- Test everything.
- Comprehensive warranties are critical.
- Expect the unexpected.

WHAT WE'VE LEARNED



- 1. Strong market demand.
- 2. Low energy usage.
- 3. Low water usage.
- 4. Small land footprint.
- 5. Good fish welfare.
- 6. No marine impacts.

WHAT WE'VE LEARNED - 2



- 7. Cooler water may be better (11-13C).
- 8. Salinity of >10ppt may be better.
- 9. Investment grade returns should be achievable.

ACHIEVEMENTS - 2017



1. We've stabilized the RAS so that it now delivers consistently good water quality.

2. Now that the system is stable, we're optimizing the system and the farm's operations. This has reduced costs.

ACHIEVEMENTS - 2017



- 3. Biological metrics are improving.
- 4. We've significantly increased the percentage of premium fish being produced.
 - Bigger fish
 - Reduced rate of early maturation
- 5. Kuterra is now cash positive.

NEXT STEPS FOR KUTERRA



- 1. Fund optimization.
- 2. Install a salt water intake or well.
- 3. Upgrade the cooling system.
- 4. Build a hatchery.
- 5. Expand to get economies of scale.
- 6. Work with government to get other strains.



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