



Salmon Innovation Fund

Brock Mansfield
Managing Partner



Salmon Innovation Fund

We invest in
scalable, early stage technologies
that increase wild Pacific salmon & steelhead
populations and resilience



Why Salmon and Steelhead?



Iconic
&
Indicator
Species



Our Solution



Arming Conservation Using Risk Capital

Genomics
Robotics
Textiles
Tracking
Sonar
Hydropower
Textiles
Marketplaces

Stormwater
100% Use
Drones
Artificial Intelligence
RFID
Machine Learning

Innovation



Impact





DroneSeed

Drone-based Reforestation

Portland, OR

<http://www.droneSeed.co>

- Automated drone-based reforestation technology
- 5-10x faster at 1/10th cost, plus remote access
- Enables faster reforestation of hillsides

Early Stage Investment

Broad App

Drone based seeding across agricultural spectrum

Financing

Seed stage, raising capital later in 2016

Status

First unit built, testing with large forestry company

Likely Exit

Sale to precision forestry services company

Salmon & Steelhead Management

Problem

Logging creates massive erosion issues, delays in reforestation

Application

Drone-based reforestation system

Impact

Enables "Rapid Response" and greater scale of reforestation



Natel Energy

Low Head Hydro Technology

San Francisco, California

- New turbine design
- Same power with 1/10th height
- Enables “run of river” hydro

Early Stage Investment

Broad App

Enables new dam sites to consider “run of river” design

Financing

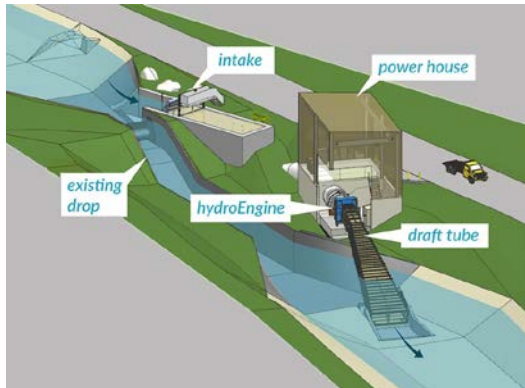
Series A completed, Series B round expected in Q1 2017

Status

Tech proven, first demo coming on line (Bhutan)

Likely Exit

Sale to large power company



Salmon & Steelhead Management

Problem

Current turbine technology requires river blocking dams

Application

Faster, cheaper replacement of river-blocking power dams

Impact

Increase habitat (river miles), eliminate inter-dam slack water



Applied Physics Lab

Next Gen Didson Sonar

Seattle, WA

- High resolution, low cost Didson Sonar
- Able to see minute detail
- More accurate fish counts across more rivers

Early Stage Investment

Broad App

High resolution underwater sonar

Financing

Seed round 2017-18

Status

Pilot being developed in lab

Likely Exit

Sale to military services or underwater exploration company

Salmon & Steelhead Management

Problem

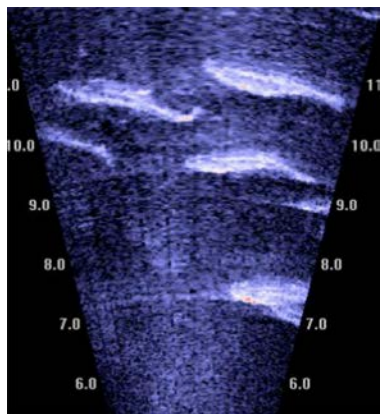
Current Didson sonar is expensive and can't identify adipose fin

Application

Real time fish counts identifying wild vs. hatchery fish

Impact

Enables scientists and government agencies to accurately determine wild vs. hatchery fish returns



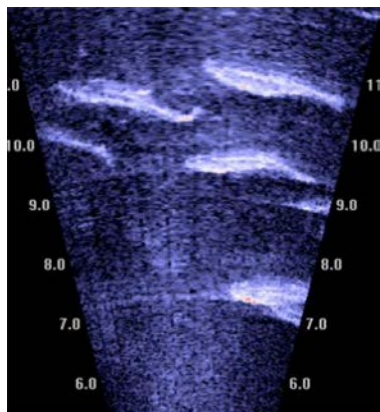


Kepler Communications

Low Cost Satellite Network

Seattle, WA/Toronto, Can

- “Disposable” low cost low orbit satellites
- Massively scales ability to observe ocean fleet
- Allows identification of offshore poaching



Early Stage Investment

Broad App

Low cost real time photo's and asset tracking

Financing

Completed \$5m seed round in Q2 2016

Status

Prepping first two satellites for launch

Likely Exit

Sale to satellite services or communications company

Salmon & Steelhead Management

Problem

Current satellites are expensive to use and hard to update

Application

Real time tracking of offshore fleets to identify suspicious actors

Impact

Reduction of offshore poaching, decreased “open ocean” loss

THANK YOU



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brock@salmonfund.com
206.778.7095

www.salmonfund.com

