OREGON AQUACULTURE

Proposed outline for RBEG grant

1. Status quo

- Crops Size
- *Farms Harvest Value and Employment*
- Regulations -monitoring Institutions & actors
- *Roles, responsibility, resources, and demographics Public/private/civil society*

2. Guiding principles

- Critical mass
- *Programs at individual institutional*
- Market-driven, responsible, affordable

3. Systems options (marine and in-land)

- Species [present]
- *Trout, Oysters, Sturgeon, Tilapia, Striped bass, Shrimp*

- Species [future possibilities]
- *Mussels, Clams, Crabs, Sea cucumber, Sea urchins, Carp(s), Catfish*
- *Freshwater shrimp, Crawfish, Seaweed/algae*

- "Medium"
- *ponds, cages, tanks, raceways, recirculating*
- integration [aquaponics]
- *livestock edible crops ornamental crops*

4. Expansion potential

5. Public perceptions

6. Environmental impact

7. Social Impact

8. SELECTED CASE STUDIES Bio-physical suitability

a) Permitting requirements flow chart, entry requirements, rules and regulations, extension and research

b) Climate, Water quality, land requirements

c) Availability of culture organism(s)

d) Special challenges

e) Socio-economic suitability

f) Markets and consumer acceptance (as food, as part of the environment)

g) Social soundness Labor requirements (Skills and numbers)

h) Capital requirements, Employment potential, Minimum economic size

i) Institutional

9. Methodology: Interviews, site visits, literature review and third-party sources

10. Way forward: Opportunities and constraints

11. Conclusions and recommendations