

The Alta River:

1. My history with the Alta
2. My impressions of the River
3. The fragility of its ecosystem – are we at the “tipping point”?

Some Observations:

1. The Important Issues
2. Comparing the Alta with North American Rivers

The Important Issues:

1. Open ocean mortality
2. Recreational release rate
3. Impact of netting
4. Impact of aquaculture



Open Ocean Mortality:

1. Value of tagging and tracking
2. Ocean climate studies

Value of the Recreational Fishery – The Gardner Pinfold Study in Canada:

1. An economic study of the value of wild Atlantic salmon in Canada
2. Released in January 2012; can be found on the ASF website
3. Findings:
 - Annual economic value in dollars*
 - Annual economic value in employment*

Recreational Release Rates:

1. Survival of released salmon:

General studies

Cascapedia and Bonaventure statistics (from Canada)

2. The Canadian experience – growth of the “catch and release” ethic

3. Release rate in Norway

Impact of Netting:

1. North America

2. Norway

Impacts of Aquaculture:

1. Sea lice
2. Escapes
3. Diseases
4. Pollution

Waste accumulating on sea floor

Toxicants to control sea lice

Antibiotics

Advantages of closed containment:

1. None of the above problems
2. Capital and operating costs becoming better aligned with net pens
3. Survival better
4. Faster growth
5. Densities greater

Marking/tagging of farmed fish:

1. Importance

2. Methods:

Genetic marking

Coded wire tags

Fin clips

Branding

Stakeholders can't have it all ways:
decisions and compromises must be
made.