

Scenario #2

- A) Moose River- shallow already...salmon go up the river so if it turns into a peat bog. Worried about warming of the river and algae blooms occurring.
- B) LNG: Discharge permits- contingency planning, discharge permits, pipeline issue (ENSTAR's).
 - o 50 foot buffer, especially with new development in housing.
- C) Glacier- changing hydrology when it is hot.
- D) Increase development along the river and increase usage.
- E) Unregulated pollution issue...non-point pollution with urban development.
- F) Worried about wetlands (title area where fish migrate).
- G) Estuaries wetlands (warming would impact).
- H) Boat Traffic- subsistence impacts by boats.
- I) Russian River- Federal subsistence dipnet fishery. Campground has too much use so numbers need to be managed, bear and human interactions, and river restoration.
- J) Temperature Stations- air stream temperature monitoring through the Forest Service.
- K) Fire Regime Issues- increase temperature= fires and drying of wetlands; DARK GREEN & DARK BLUE.
- L) Pipeline Route- proposed...NEPA and 404 (clean water act); watershed.
- M) LNG- leads to increased land-use and need for additional land use planning and regulation. Need for municipal services increases tax base increase. 300% government spending increases proportionally.
- N) Management Regulations- sport and personal use would change based on salmon abundance. Salmon production due to increase temperatures and how they affect lake productivity.
- O) Lower/Middle River will have increased demand for fishery access and increased temperatures mean that more glacial dam flooding will occur. High water events in the fall will increase flooding.
- P) Swanson & Beaver Creek oil and gas units in the refuge, new activity means more operations.
- Q) Decrease salmon abundance= higher likelihood for decrease commercial fishery abundance.
- R) More demand on Russian River facilities due to more fishing demand.
- S) Increase reliance in hatchery fish, upgrade in existing facilities.
- T) Fish pit conservation for future salmon studies.