



Bethel Test Fishery



In-Season Run Strength Indicators:

- The catch per unit effort (CPUE) index at the Bethel Test Fishery,
 - In-season subsistence harvest surveys,
 - Commercial harvest rates, and
- Reports from weir, soar, and aerial survey programs once fish begin to reach clear water tributaries.

Factors that affect Chinook Capture at the Bethel Test Fishery:

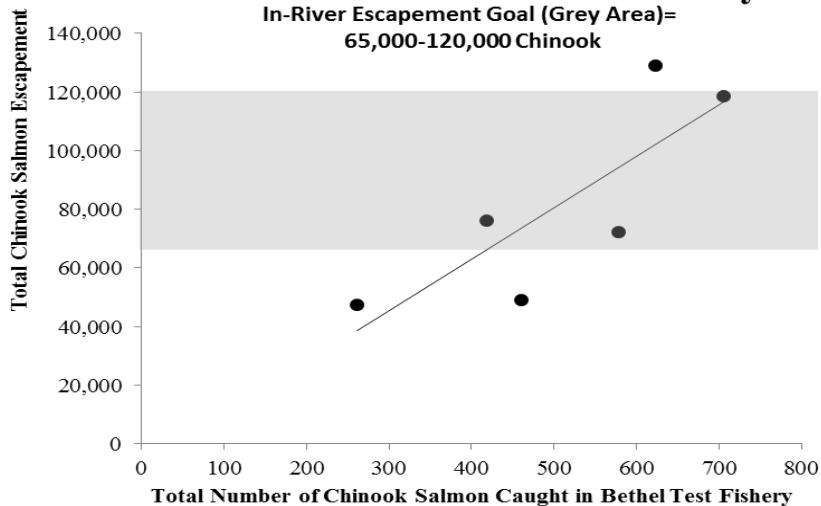
- Water level and clarity,
- Height of the flooding tides, weather conditions,
- Changes in river channel morphology and hydrology,
- Fish size relative to gillnet mesh size, net saturation effects, and
- Test fish crew technique.

Run Strength Indicators:

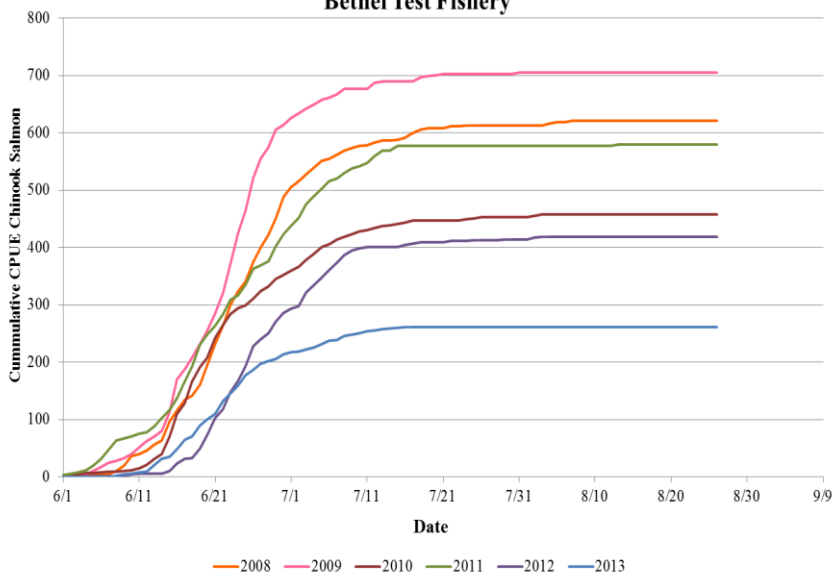
- Provide a general description of the run,
- Does not provide accurate estimates of escapement,
- Requires consideration of multiple factors and knowledge of sampling methods and data analysis, and
- When it is used with other inseason management tools it can provide insight into salmon run strength and migratory timing.

Catch-Per-Unit-Effort for Chinook Salmon at the Bethel Test Fishery

In-River Escapement Goal (Grey Area)=
65,000-120,000 Chinook



Daily Cumulative CPUE of Chinook Salmon at the Bethel Test Fishery



Information was gathered from: <http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareakuskokwim.btf> and Bue, D. G., and C. Brazil. 2012. Characterization of the 2010 salmon run in the Kuskokwim River based on test fishing at Bethel. Alaska Department of Fish Game, Fishery Data Series No. 12-53, Anchorage.