Cook Inlet Aquaculture Association

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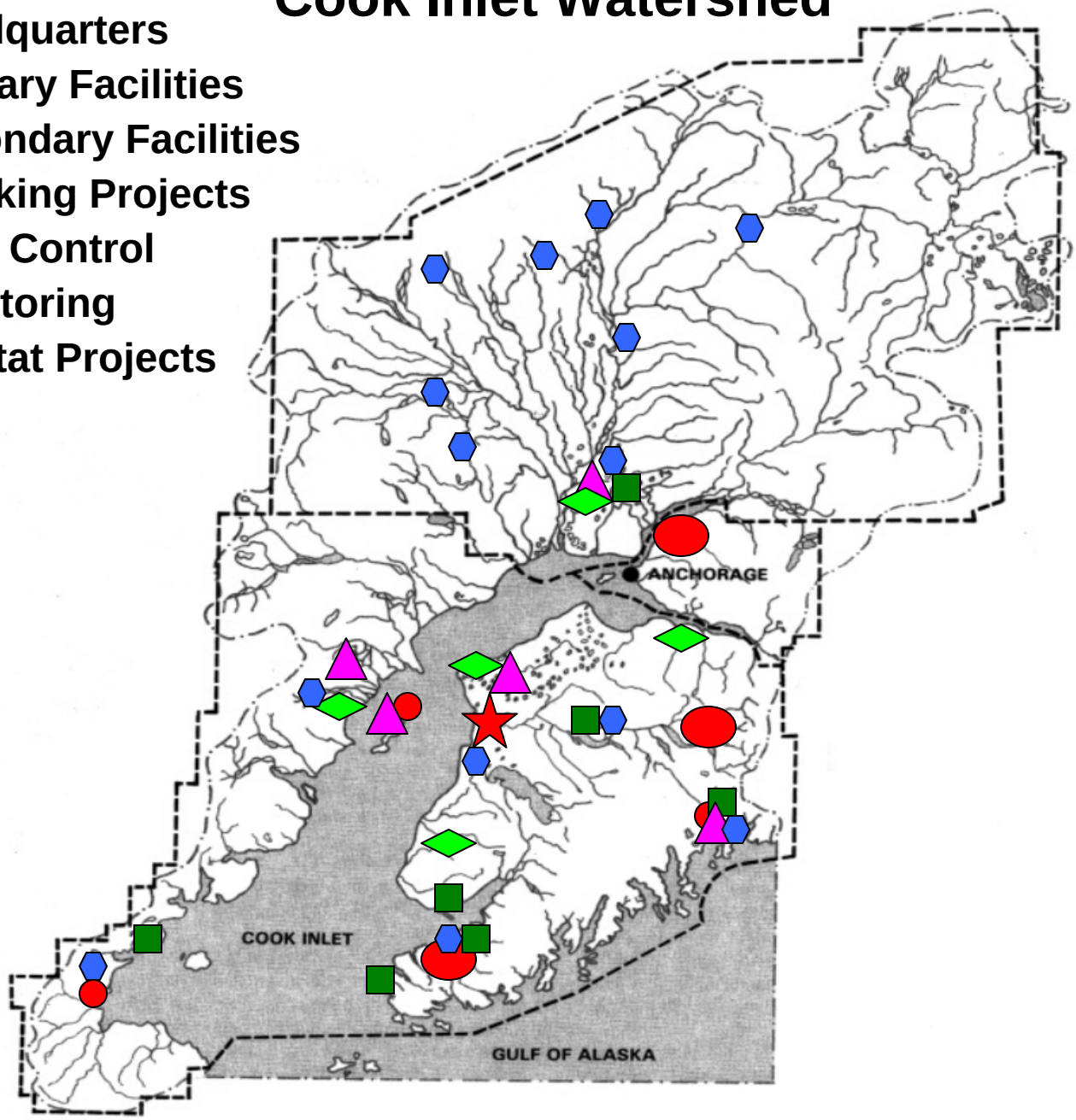
Cook Inlet Watershed

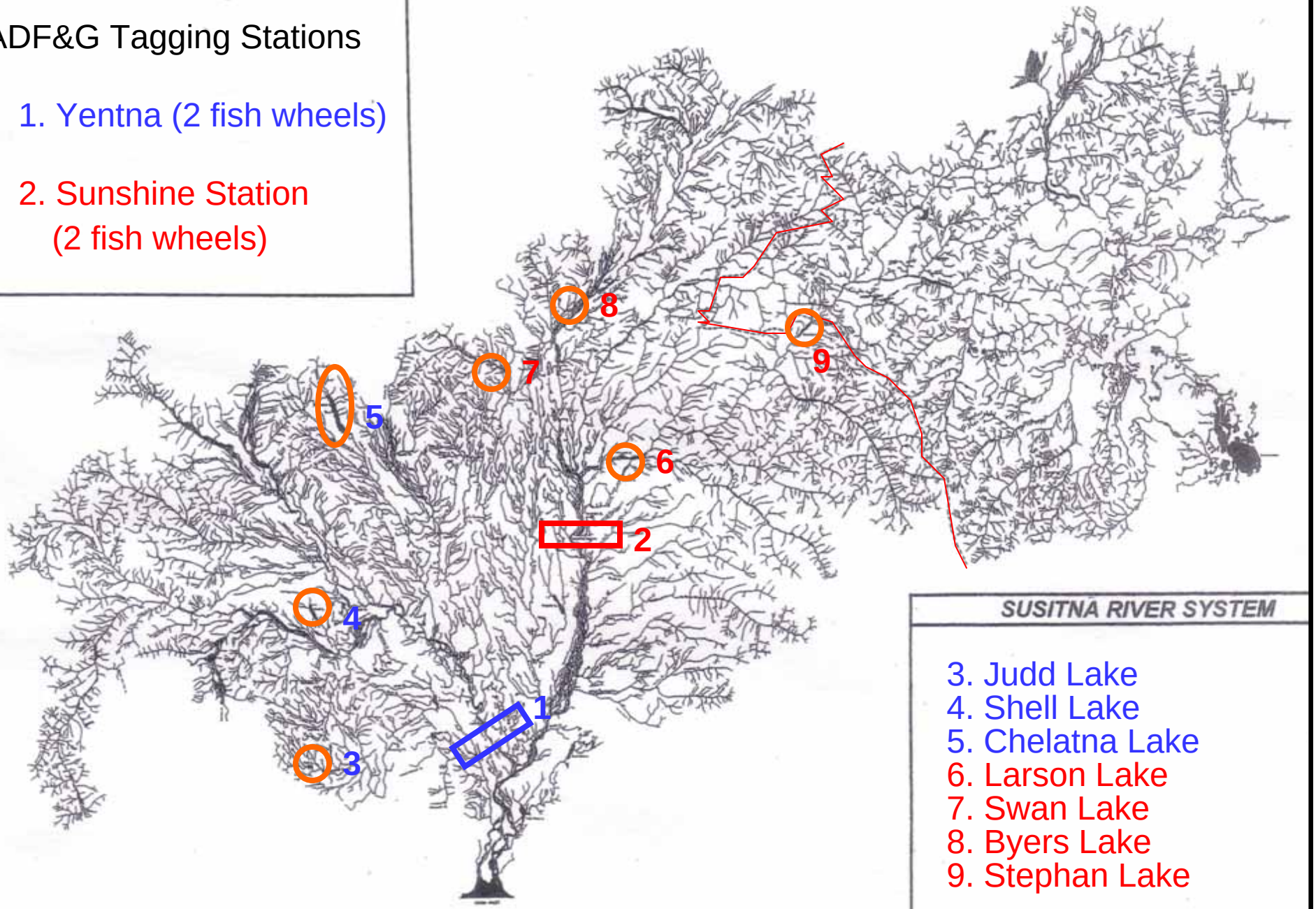
- Headquarters
- Primary Facilities
- Secondary Facilities
- Stocking Projects
- Flow Control
- Monitoring
- Habitat Projects



ADF&G Tagging Stations

1. Yentna (2 fish wheels)

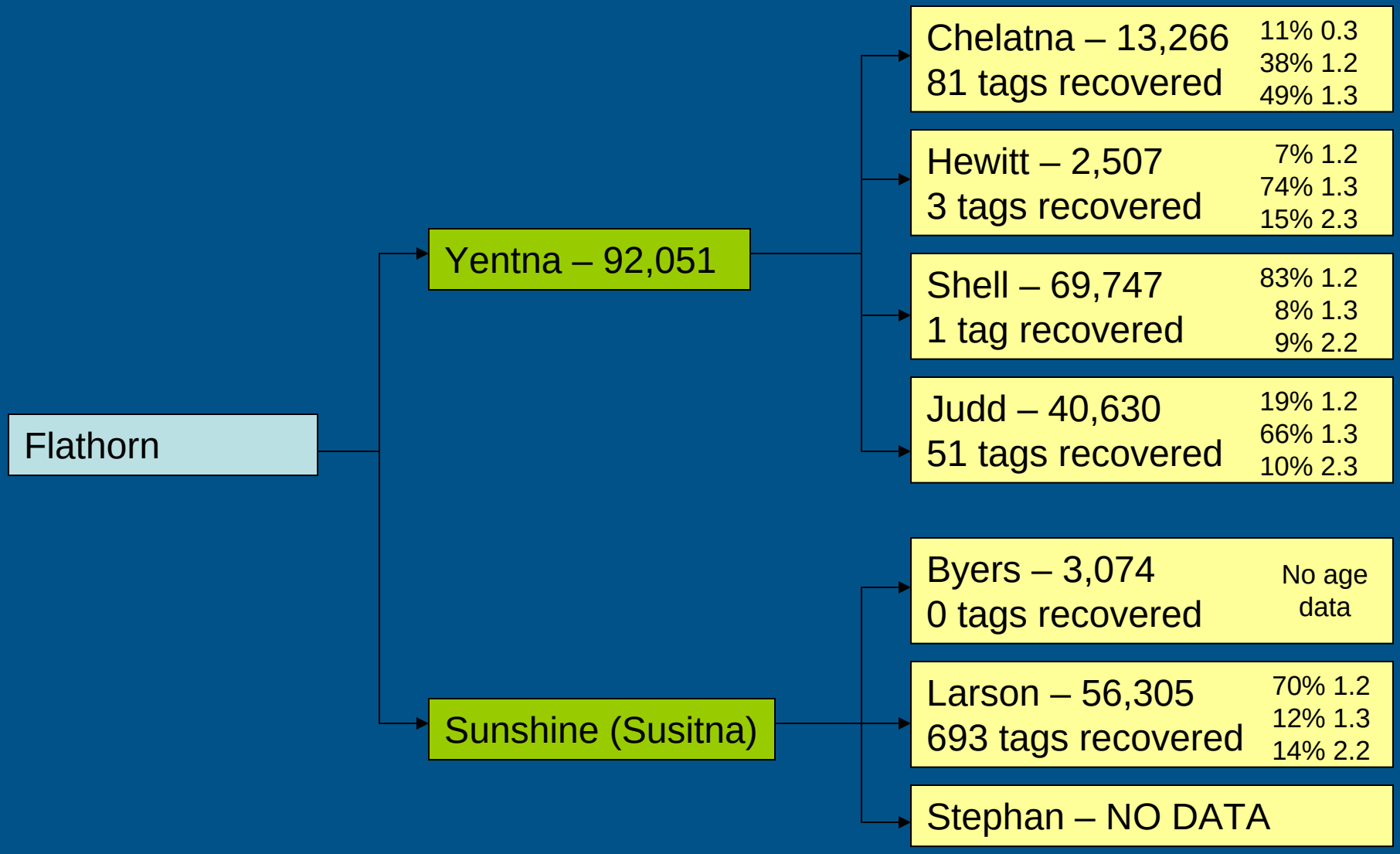
2. Sunshine Station
(2 fish wheels)



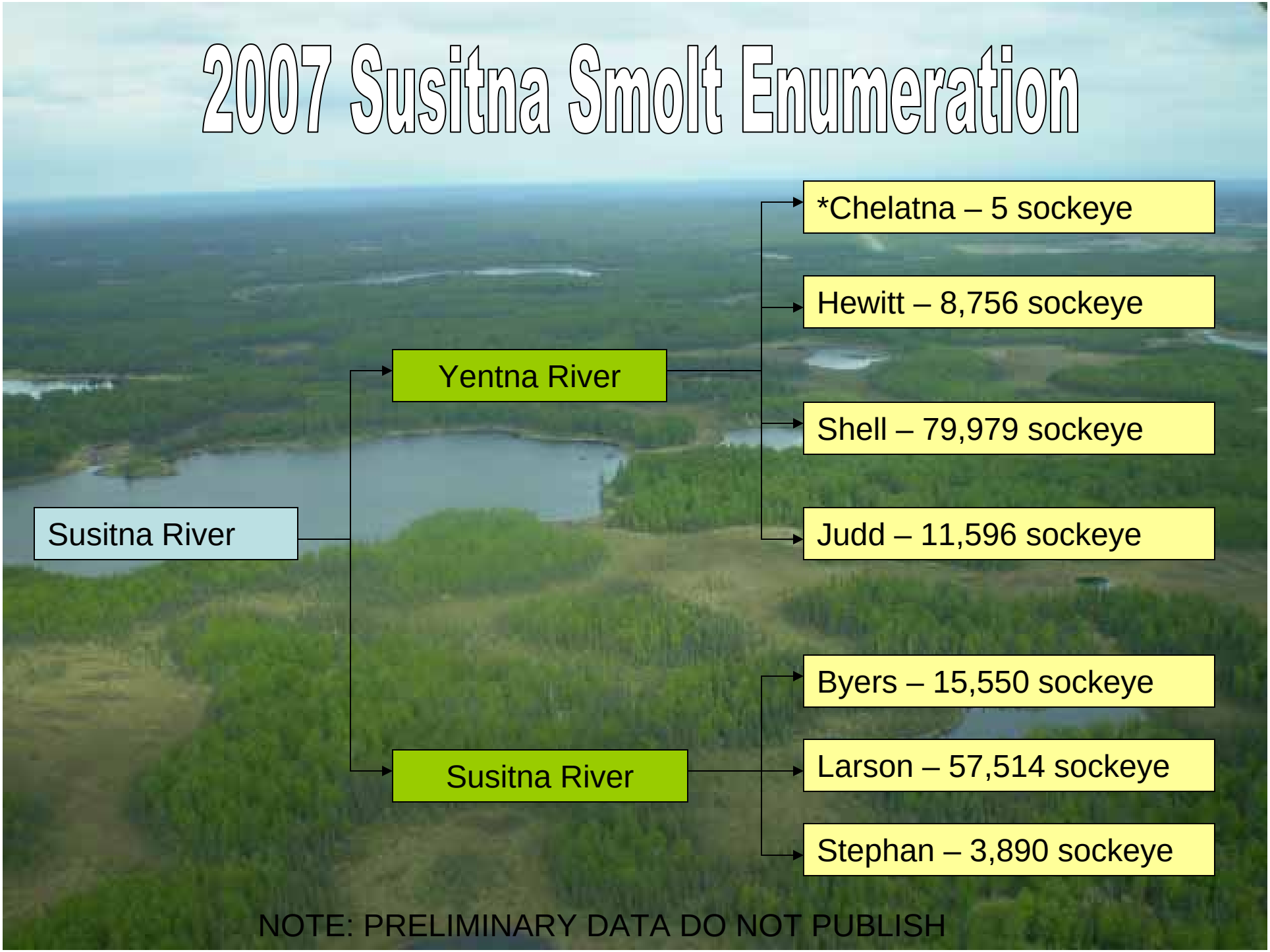
SUSITNA RIVER SYSTEM

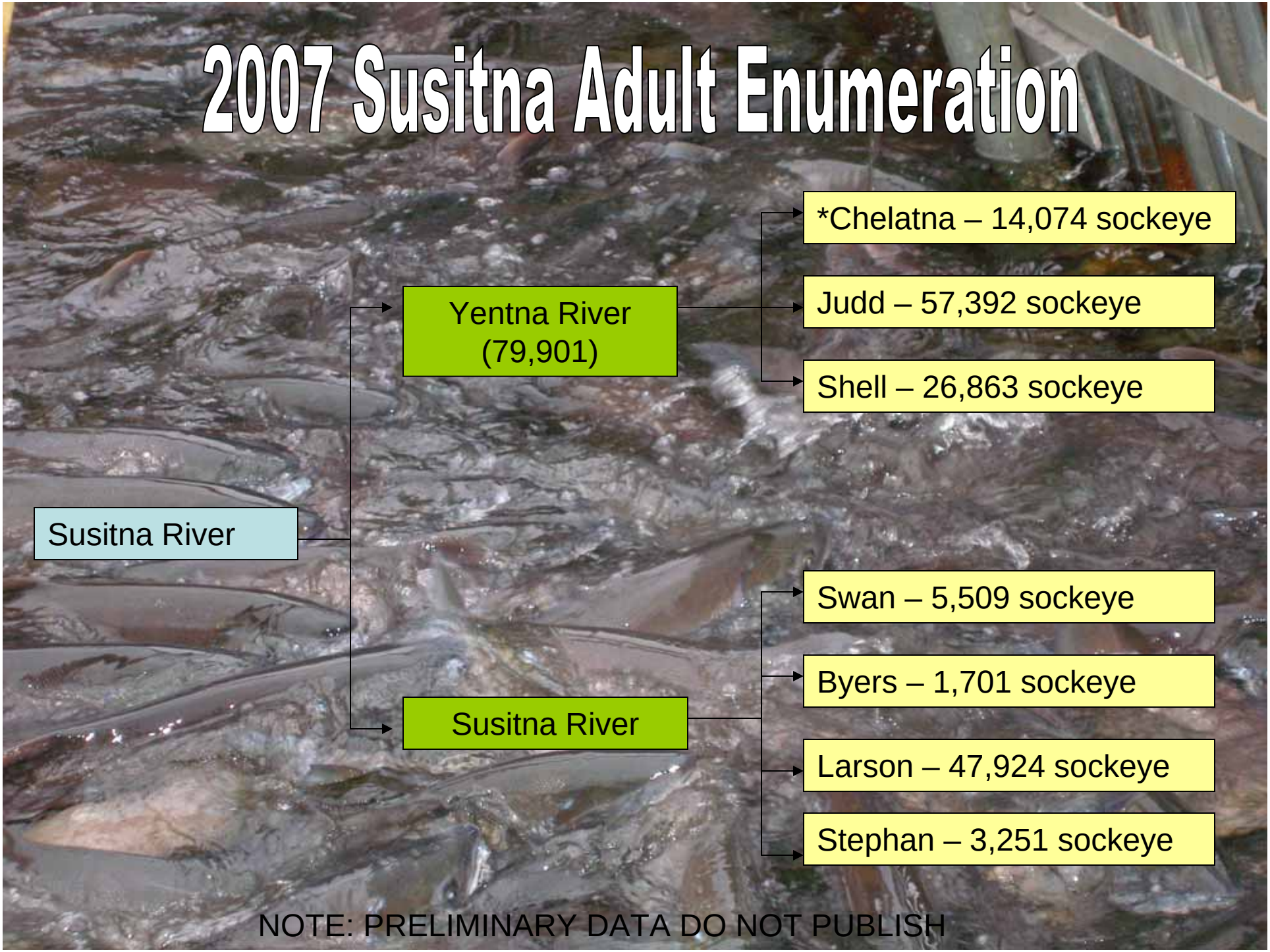
3. Judd Lake
4. Shell Lake
5. Chelatna Lake
6. Larson Lake
7. Swan Lake
8. Byers Lake
9. Stephan Lake

2006 Susitna Adult Enumeration



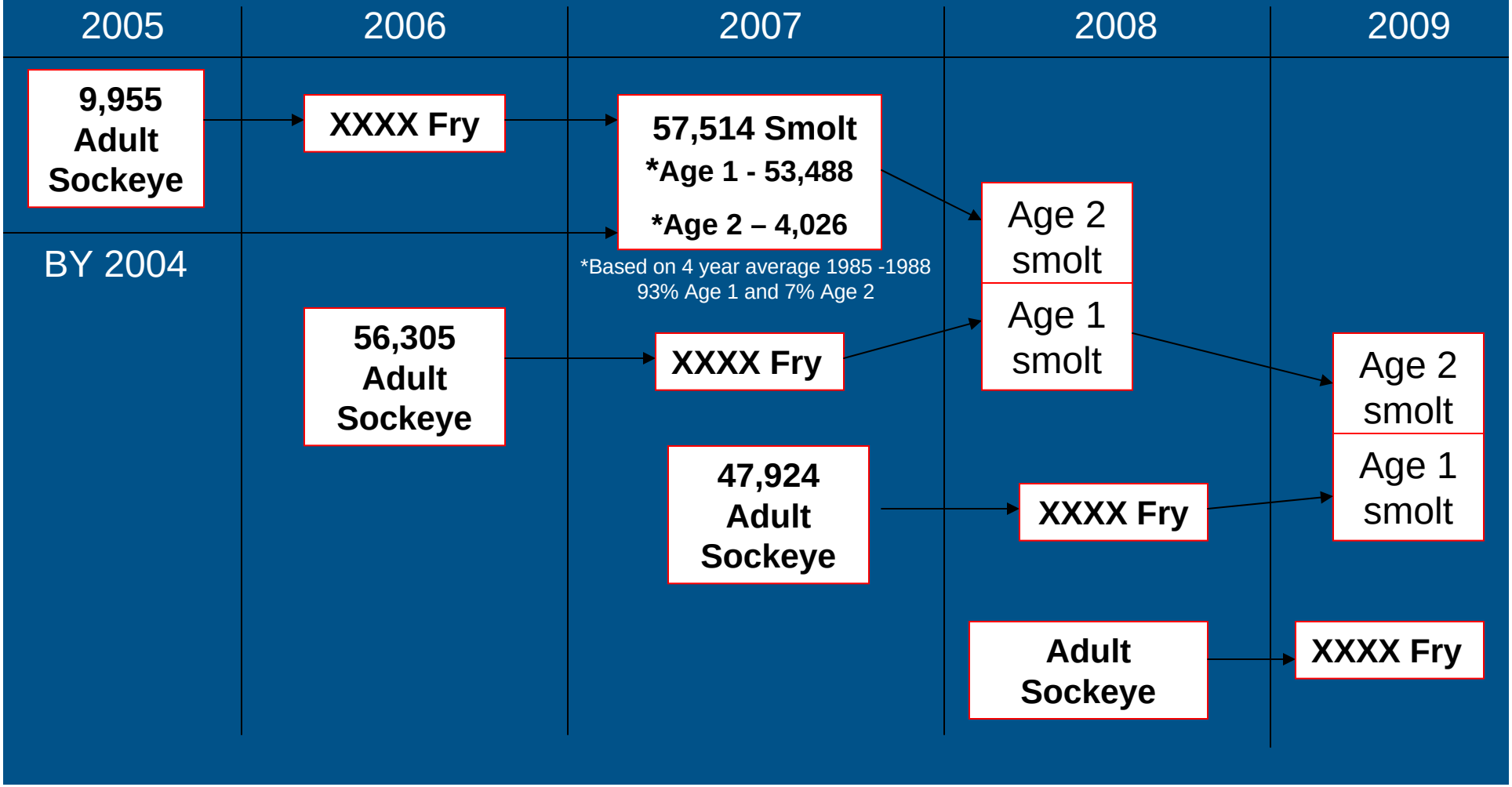
NOTE: PRELIMINARY DATA DO NOT PUBLISH


2007 Susitna Smolt Enumeration
*Chelatna – 5 sockeye
Hewitt – 8,756 sockeye
Yentna River
Shell – 79,979 sockeye
Susitna River
Judd – 11,596 sockeye
Byers – 15,550 sockeye
Susitna River
Larson – 57,514 sockeye
Stephan – 3,890 sockeye
NOTE: PRELIMINARY DATA DO NOT PUBLISH

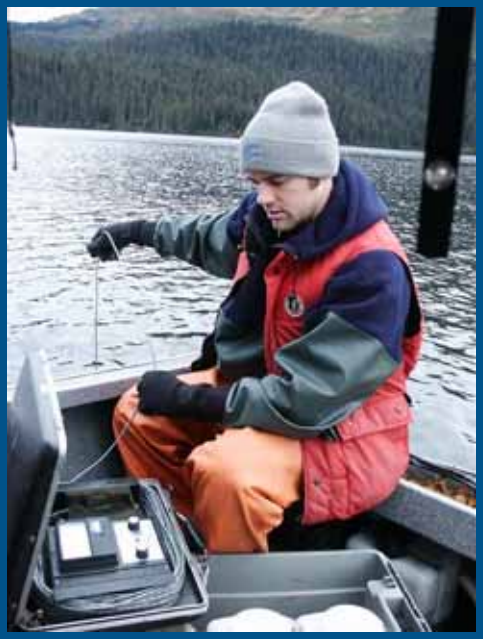

2007 Susitna Adult Enumeration
Susitna River
Yentna River (79,901)
*Chelatna – 14,074 sockeye
Judd – 57,392 sockeye
Shell – 26,863 sockeye
Susitna River
Swan – 5,509 sockeye
Byers – 1,701 sockeye
Larson – 47,924 sockeye
Stephan – 3,251 sockeye
NOTE: PRELIMINARY DATA DO NOT PUBLISH

Larson Lake

area=177 ha volume=29 million m^3 max depth=46 m average depth=16 m



LIMNOLOGY



CIAA monitors water quality and zooplankton populations at Bear Lake, Hidden Lake, Leisure Lake and 7 lakes in the Susitna River drainage.

Assures CIAA that release of salmon is compatible with the environment in to which they are being released.

SEASONAL BARRIERS

Shell Lake

Ensuring adult salmon can reach their spawning grounds is an important enhancement technique; CIAA biologists and technicians survey salmon streams to identify barriers to migration usually beaver dams. Small *modifications to seasonal migration barriers* can allow the fish to continue towards their spawning destination with minimal impact to the barriers.

Seasonal Migration Barrier

Seasonal Migration Barrier

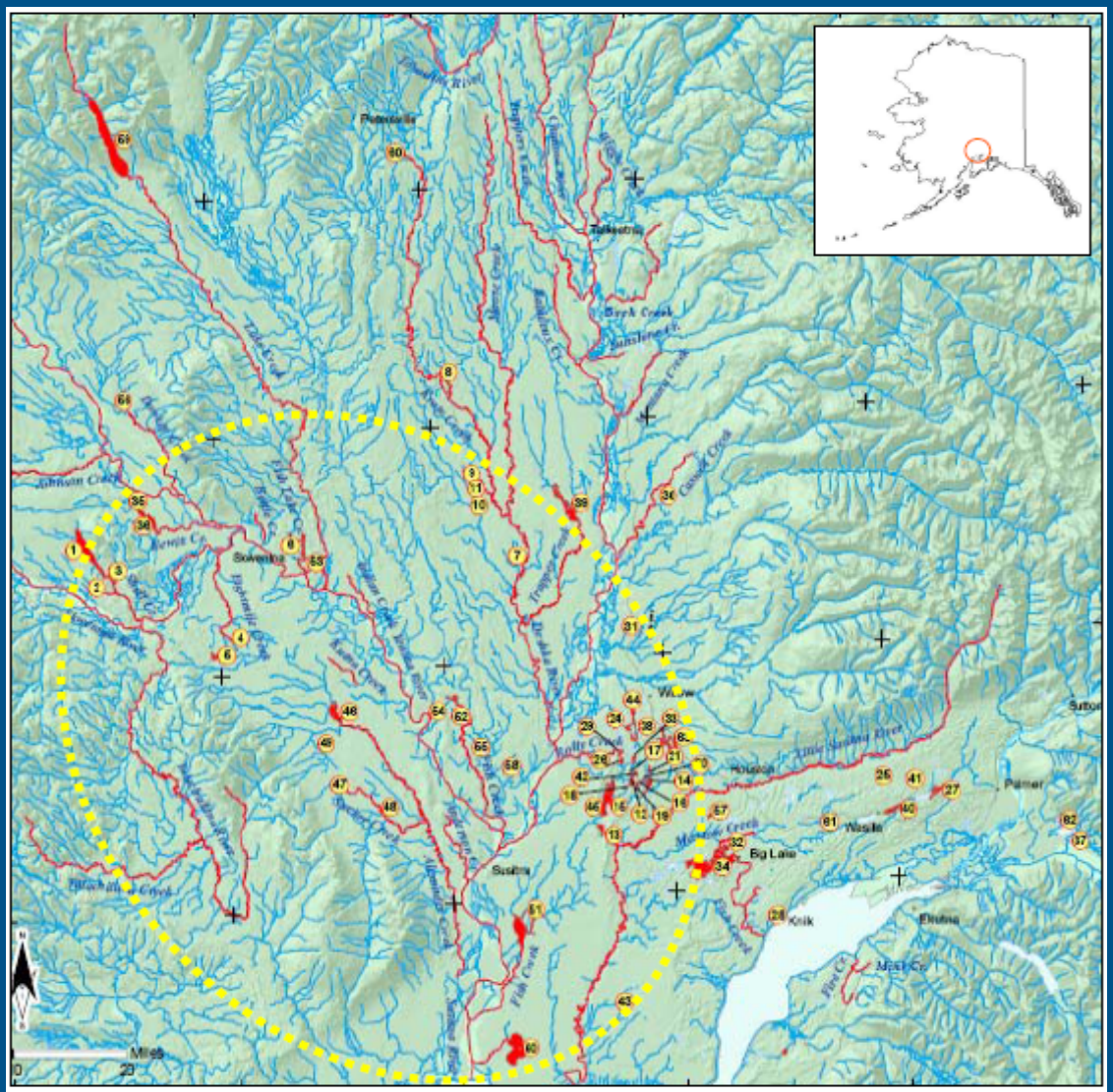
Seasonal Migration Barrier

HABITAT RESTORATION

Big Lake

CIAA conducts *habitat preservation projects* and *habitat restoration projects* in partnership with other non-profit organizations and government agencies such as U.S. Fish and Wildlife Service (USFWS) and National Oceanic and Atmospheric Association (NOAA) in order to protect and preserve salmon habitat throughout the Cook Inlet watershed.

Northern Pike Lakes



General area within the Susitna Basin with the most ideal habitat for pike

FLOW CONTROL

Some streams are persistently low at the time when returning adult fish require greater water flow; a small *flow control structure* can allow some of the early spring water to be saved for release later in the season when the adult fish return.

FISH LADDERS

Cannery Creek

CIAA Facilities

Trail Lakes Hatchery

Eklutna Salmon Hatchery

Bear Lake/Creek Weir

Tutka Bay Lagoon Hatchery

SOCKEYE SALMON

CIAA released 11,280,000 sockeye fry and smolt in 2007

COHO SALMON

CIAA released 860,000 coho fry and smolts in 2007