

KARAC 2022 draft Priority Information Needs for Southwest Region

- (Bristol Bay) Reliable estimates of escapement, quality of escapement, and environmental impacts addressing decline of Chinook and Sockeye salmon for the Chignik River area and associated impacts to subsistence harvest opportunities.
- (Bristol Bay) Reliable estimates of Chinook Salmon escapement and evaluation of quality of escapement measures in Alagnak River, Big Creek, Meshik River, Naknek River, and Togiak River, including elements of potential egg deposition, sex and size composition of spawners, and spawning habitat quality and utilization for determining the reproductive potential of spawning stocks.
- (Southwest) Examine how recent changes in the Gulf of Alaska environment affect Sockeye Salmon within their range and habitats, noting particular concern for the Chignik drainages, using scale analyses of fresh water and saltwater growth patterns over multiple years to research changes in growth and survival of salmon in the Kodiak/Aleutians drainages (Buskin, and McClees drainages) and/or in the Bristol Bay/Alaska Peninsula drainages (Chignik, Nushagak, Naknek, and Togiak drainages).
- (Southwest) Reliable estimates of subsistence harvest and uses. Of particular interest are harvest trends in the communities of (Bristol Bay) Manokotak, Nondalton, (Kodiak) Chignik, Ouzinkie, the settlement Aleneva on Afognak Island, Port Lions, (Aleutians/AK Pen), Adak, Akutan, Atka, False Pass, Nelson Lagoon, Nikolski, St. Paul, and St. George.
- (Kodiak/Aleutians) Abundance and assessment of critical subsistence salmon stocks in priority areas such as the Buskin River.