Western Alaska Salmon Stock Identification Program (WASSIP):
Sockeye Salmon: How Many Fish of Each Stock were Caught in a Given Fishery?

North Alaska Peninsula Fishery

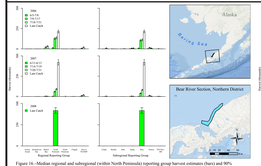


Figure 16.-Median regional and subregional (within North Peninsula) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Bear River Section, Northern District, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

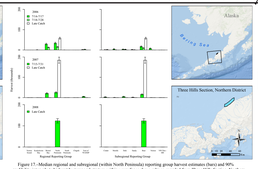


Figure 17.-Median regional and subregional (within North Peninsula) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Three Hills Section, Northern District, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

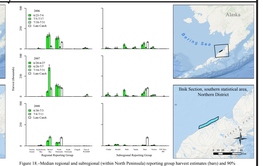


Figure 18.-Median regional and subregional (within North Peninsula) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Disk Section, southern statistical area, Northern District, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

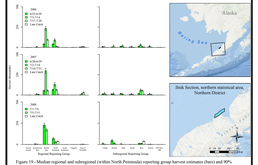


Figure 19.-Median regional and subregional (within North Peninsula) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Disk Section, southern statistical area, Northern District, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

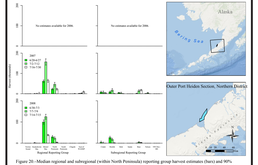
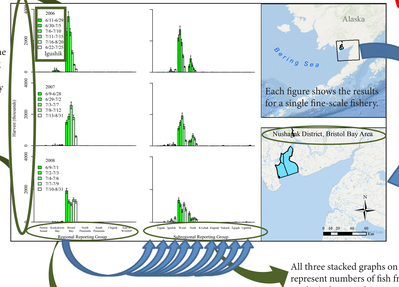


Figure 20.-Median regional and subregional (within North Peninsula) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Outer Port Heiden, Northern District, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

Reading These Figures



Each of the three years in the study is divided into fishing day ranges. Sometimes, a specific area within a fishery is represented.

Each figure shows the results for a single fine-scale fishery.

Fishery name

The vertical axis shows the harvest number for a given stock (reporting group).

All three stacked graphs on the right side represent numbers of fish from fine-scale stocks (subregional reporting groups) within the broad-scale stock where the fishery occurs.

This horizontal axis shows the broad-scale stocks; all three graphs stacked on the left side represent numbers of fish from broad-scale stocks (regional reporting groups).

Kuskokwim Fishery

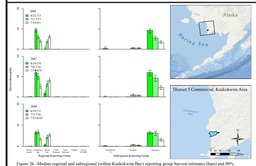


Figure 26.-Median regional and subregional (within Kuskokwim Bay) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from District 7 Commercial, Kuskokwim Area, Yukon-Kuskokwim Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

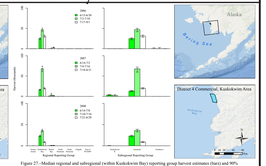


Figure 27.-Median regional and subregional (within Kuskokwim Bay) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from District 4 Commercial, Kuskokwim Area, Yukon-Kuskokwim Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

Bristol Bay Fishery

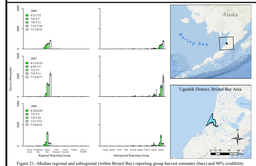


Figure 21.-Median regional and subregional (within Bristol Bay) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Ugashik District, Bristol Bay Area, Central Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

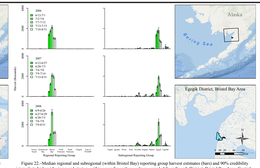


Figure 22.-Median regional and subregional (within Bristol Bay) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Egegik District, Bristol Bay Area, Central Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

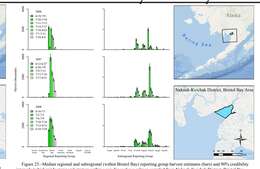


Figure 23.-Median regional and subregional (within Bristol Bay) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Nushagak District, Bristol Bay Area, Central Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

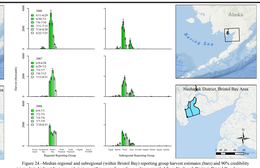


Figure 24.-Median regional and subregional (within Bristol Bay) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Nushagak District, Bristol Bay Area, Central Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

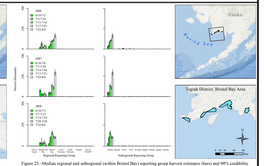


Figure 25.-Median regional and subregional (within Bristol Bay) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Togiak District, Bristol Bay Area, Central Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

Chignik Area Fishery

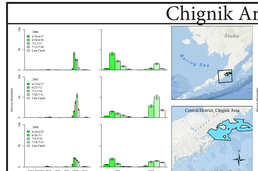


Figure 5.-Median regional and subregional (within Chignik) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Central District, Chignik Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

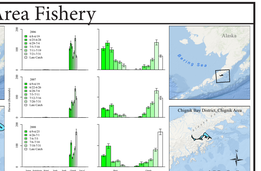


Figure 4.-Median regional and subregional (within Chignik) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Chignik Bay District, Chignik Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

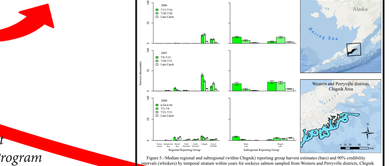
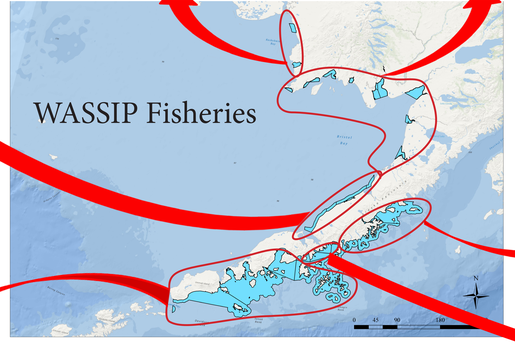


Figure 3.-Median regional and subregional (within Chignik) reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Western and Perryville districts, Chignik Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

WASSIP Fisheries



This poster reproduces figures 3 to 27 (pp. 234-258) from the ADF&G Special Publication No. 12-24: *Harvest and Harvest Rates of Sockeye Salmon Harvests in Fisheries of the Western Alaska Salmon Stock Identification Program (WASSIP) 2006-2008* The report is available online at: http://www.adfg.alaska.gov/index.cfm?adfg=wassip.reports.

Stocks Identified

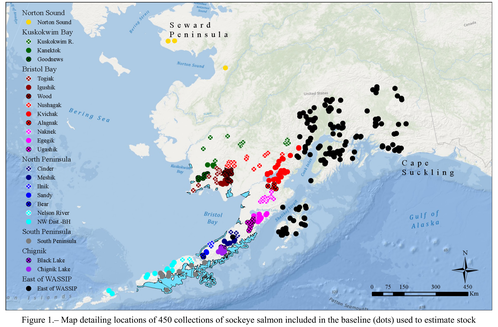


Figure 1.- Map detailing locations of 450 collections of sockeye salmon included in the baseline (dots) used to estimate stock compositions of catch samples and sockeye salmon fisheries sampled as part of the Western Alaska Salmon Stock Identification Project (blue polygons). Note that color patterns of baseline collections denote subregional reporting group affiliation, which are grouped by regional reporting group in the legend.

South Alaska Peninsula, June and Post-June Fisheries

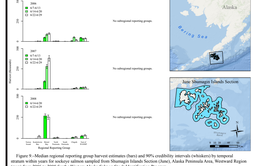


Figure 9.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Shumagin Islands Section (June), Alaska Peninsula Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

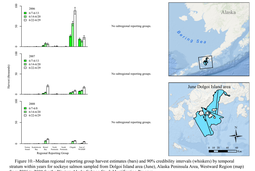


Figure 10.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Dolgoi Island area (June), Alaska Peninsula Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

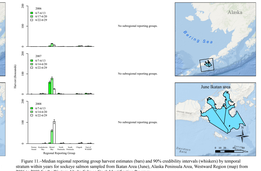


Figure 11.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Ikatan Area (June), Alaska Peninsula Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

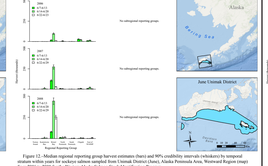


Figure 12.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Unimak District (June), Alaska Peninsula Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

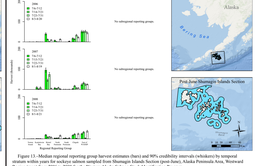


Figure 13.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Shumagin Islands Section (post-June), Alaska Peninsula Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

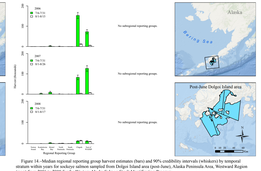


Figure 14.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Dolgoi Island area (post-June), Alaska Peninsula Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

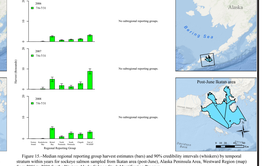


Figure 15.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Ikatan area (post-June), Alaska Peninsula Area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

Southeastern District Mainland Fishery

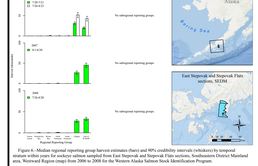


Figure 6.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from East Stepovak and Seapowak Flats sections, Southeastern District Mainland area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

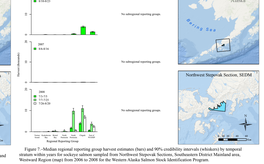


Figure 7.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Northwest Stepovak Sections, Southeastern District Mainland area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.

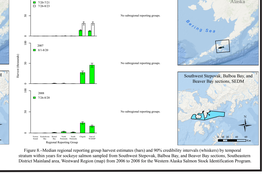


Figure 8.-Median regional reporting group harvest estimates (bars) and 90% credibility intervals (whiskers) by temporal stratum within years for sockeye salmon sampled from Southwest Stepovak, Balboa Bay, and Beaver Bay sections, Southeastern District Mainland area, Westward Region (map) from 2006 to 2008 for the Western Alaska Salmon Stock Identification Program.