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Funk, F. C., and G. J. Sandone. 1989. Catch-age analysis of the Prince William Sound, Alaska, herring stock 1973-1988. Pages 82-89 [In] M. F. O'Toole, editor. Proceedings of the 6th Pacific Coast herring workshop. State of Washington, Department of Fisheries, Progress Report 279, Olympia.

**Abstract:** Overview: Aerial surveys were the primary means of estimating the biomass of herring in Prince William Sound from the inception of the Prince William Sound sac roe fishery in 1973 through 1987. Fishery managers have recently shifted the stock assessment emphasis to spawn deposition surveys and catch-age analysis, because a long time series of catch-at-age observations are now available for the fishery and spawn deposition surveys have been implemented for several years. We found that the magnitude of the underestimates of the aerial surveys of approximately 50% is surprising. Estimates of the precision of the catch-age analysis estimates are not yet available. Bootstrap methods are being developed to estimate confidence limits for the catch-age biomass estimates.

**Keywords:** Not available.

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