

## AK Cook Inlet Salmon Purse Seine Fishery

**Fishing gear type:** Purse Seine

**Current category:** Category II\*

**Basis for current classification on the LOF:** The total annual mortality and serious injury of humpback whales (Central North Pacific stock) in this fishery is greater than 1% and less than 50% of the stock's Potential Biological Removal (PBR) level.

**Current list of marine mammal species/stocks injured/killed (a<sup>(1)</sup> indicates those stocks driving the fishery's classification):** Humpback whale, Central North Pacific<sup>(1)</sup>.

**Estimated number of current participants:** 82

**Take Reduction Teams/Plans that affect this fishery:** None.

**Year added to the LOF:** 2007

**Category when originally listed:** Category II

**Basis for original classification on the LOF:** This fishery was categorized as a Category II based on a single, documented mortality of a humpback whale (Central North Pacific stock), in 2005. This single event translated to an annual average mortality of 0.2 animals/year, or 1.55% of PBR (PBR=12.9).

**Estimated number of participants when originally listed:** 82

**Past names, if any:** None.

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**Gear description/method for fishing:** This fishery uses purse seine gear between 90 fathoms (540 ft; 165 m) and 250 fathoms (1,500 ft; 457 m) in length, and between 100 meshes and 325 meshes deep. Detachable or loose leads are prohibited.

**Target species:** Salmon.

**Spatial/temporal distribution of effort:** The fishery occurs in Cook Inlet from June 1 to October 31. In Cook Inlet, purse seines may be used in the Southern District, Kamishak Bay District, Outer District, Eastern District, and Chinitna Bay Subdistrict east of a line from the crane on the south shore to the largest boulder on the landward end of Glacier Spit.

**Levels of observer coverage each year<sup>†</sup>:** This fishery has not been observed by the Alaska Marine Mammal Observer Program.

**Management and regulations:** This purse seine fishery is managed by the AK Department of Fish and Game as a limited entry fishery with gear restrictions on the mesh and net size, and area closures.

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\*The fishery is classified based on mortalities and serious injuries of a marine mammal stock greater than 1% and less than 50% (Category II) of the stock's Potential Biological Removal (PBR) level.

<sup>†</sup> Observer coverage levels include the latest information reported in the most current final Stock Assessment Reports (SAR).

### **History of Changes on the LOF**

2006 LOF: Added a superscript “1” in Table 1 after humpback whale (Central North Pacific), indicating that takes of this stock are driving the classification of the fishery.