

# A Review of Escapement Goals for Lower Cook Inlet Salmon Stocks, 2019

RC-3, Tab 2: LCI Esc. Goal  
Oral Report to BOF

Otis et al. 2016  
LCI Esc. Goal Review  
[www.adfg.alaska.gov/FedAidPDFs/FMS16-08.pdf](http://www.adfg.alaska.gov/FedAidPDFs/FMS16-08.pdf)

**NO CHANGES TO LCI ESCAPEMENT GOALS THIS BOARD CYCLE**

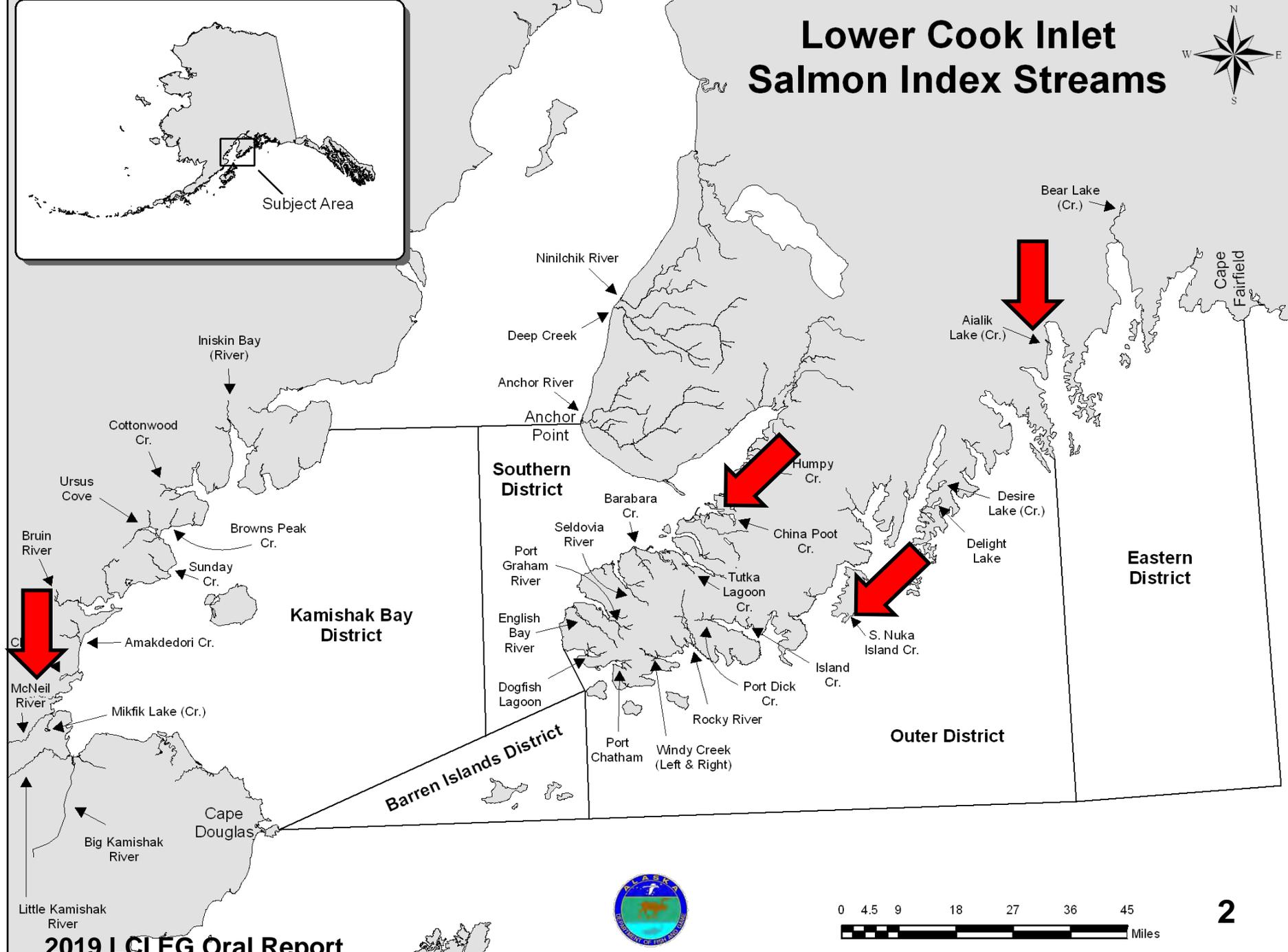
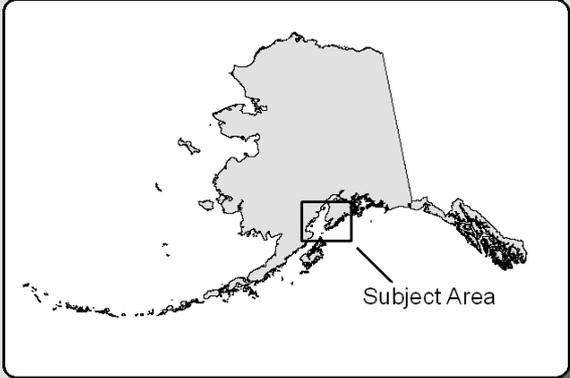


**McNeil River Chum**

- Aialik Lake Sockeye
- South Nuka Pink
- China Poot Pink

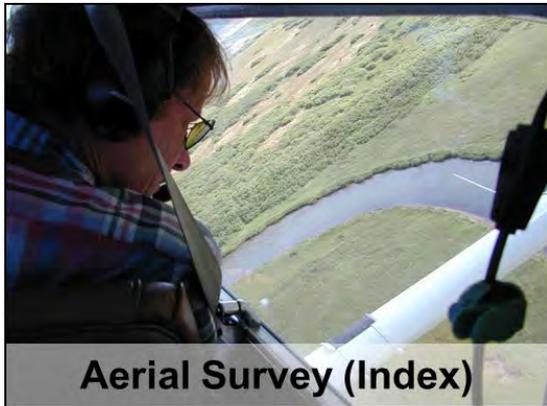
**Ted Otis, DCF  
and  
Tim McKinley, DSF**

# Lower Cook Inlet Salmon Index Streams



# Review of Current Goals and Escapement Performance

- 41 salmon stocks in LCI have escapement goals: 3 king, 12 chum, 18 pink, and 8 sockeye

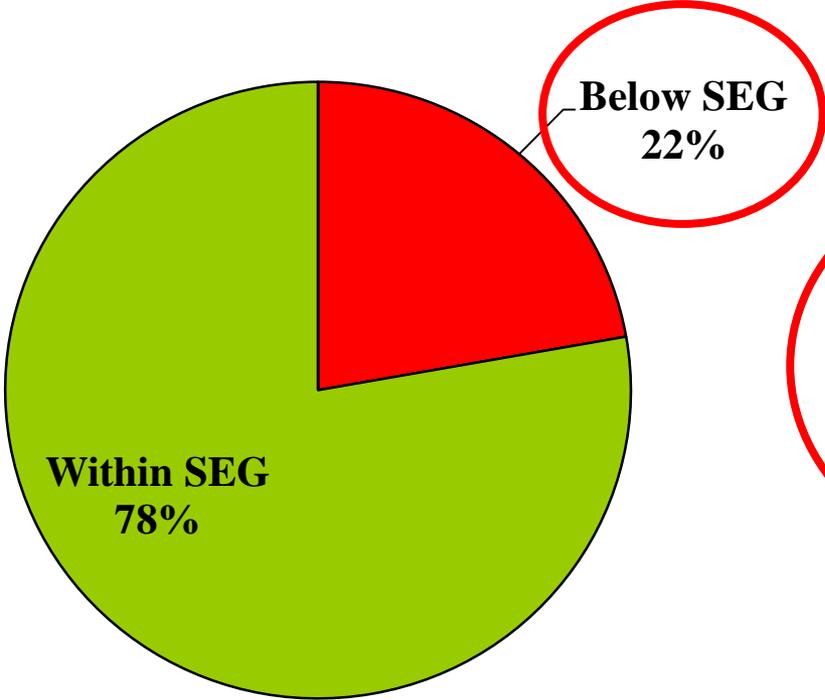


- LCI goals are SEGs because we lack sufficient data to calculate the # of spawners needed to achieve Maximum Sustained Yield (MSY)
- No changes in LCI escapement goals
- Recent escapement performance

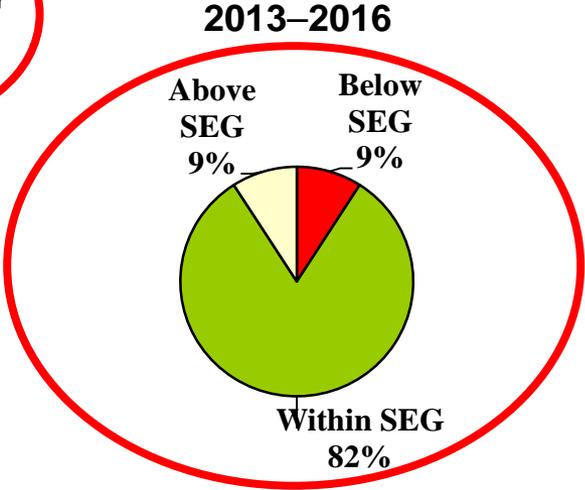
# King Salmon

## King Salmon Escapement Performance

- 3 Stocks**  
-Ninilchik River  
-Deep Creek  
-Anchor River



**2017–2019**



**2013–2016**

n = 9 king salmon escapement observations (3 stocks over 3 years)

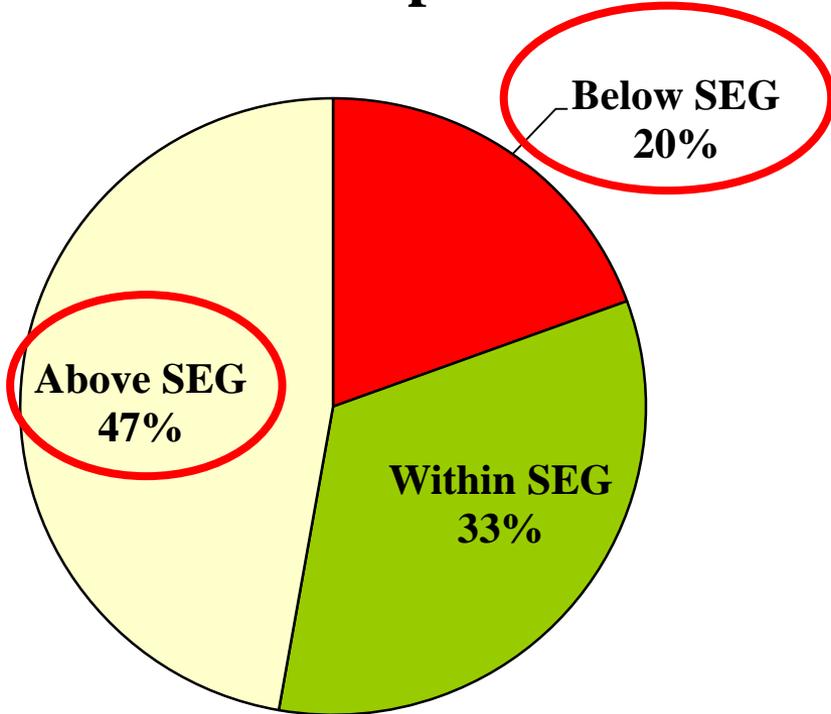


# Chum Salmon

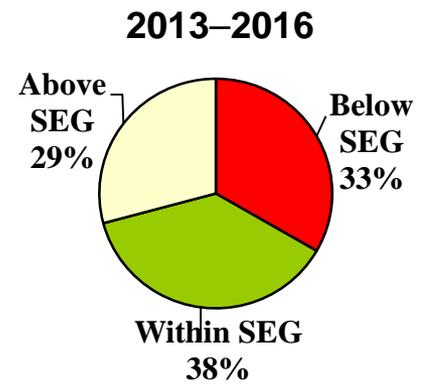
## Chum Salmon Escapement Performance

### 12 Stocks

- Port Graham
- Dogfish
- Port Dick
- Island
- Big Kamishak
- Little Kamishak
- McNeil
- Bruin
- Ursus
- Cottonwood
- Iniskin



**2017-2019**



**n = 36 chum salmon escapement observations (12 stocks over 3 years)**

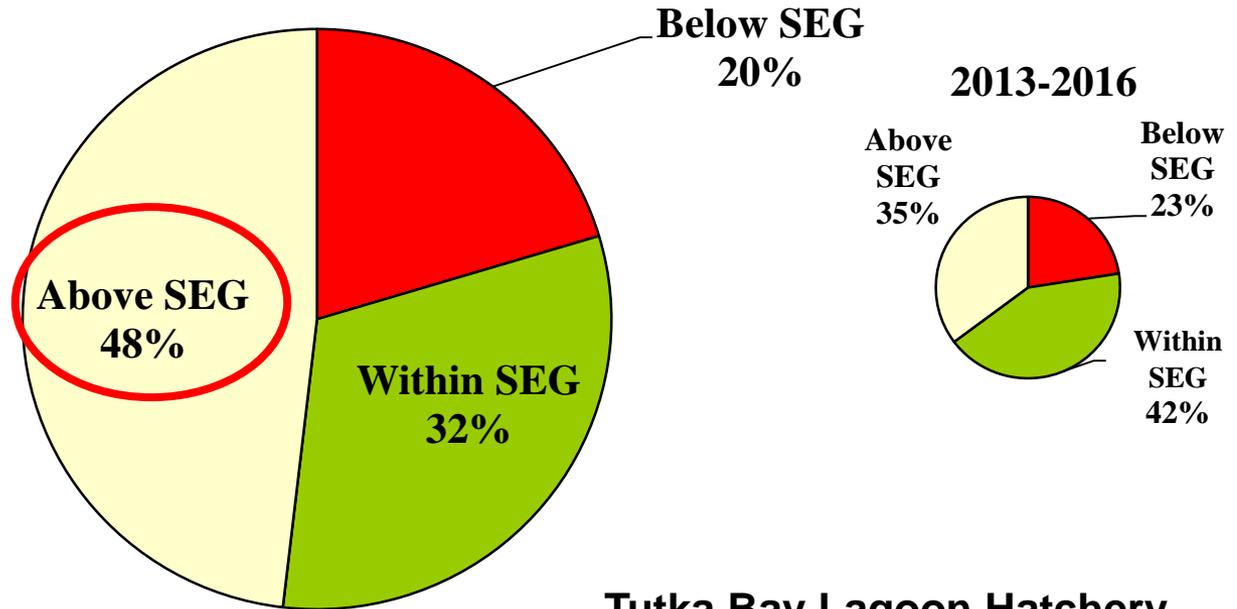


# Pink Salmon

## Pink Salmon Escapement Performance

### 18 Stocks

- Humpy
- China Poot
- Tutka
- Barabara
- Seldovia
- Port Graham
- Dogfish
- Port Chatham
- Windy Right
- Windy Left
- Rocky
- Port Dick
- Island
- South Nuka
- Desire
- Bruin
- Sunday
- Brown's Peak



Tutka Bay Lagoon Hatchery  
Port Graham Hatchery

**2017-2019**

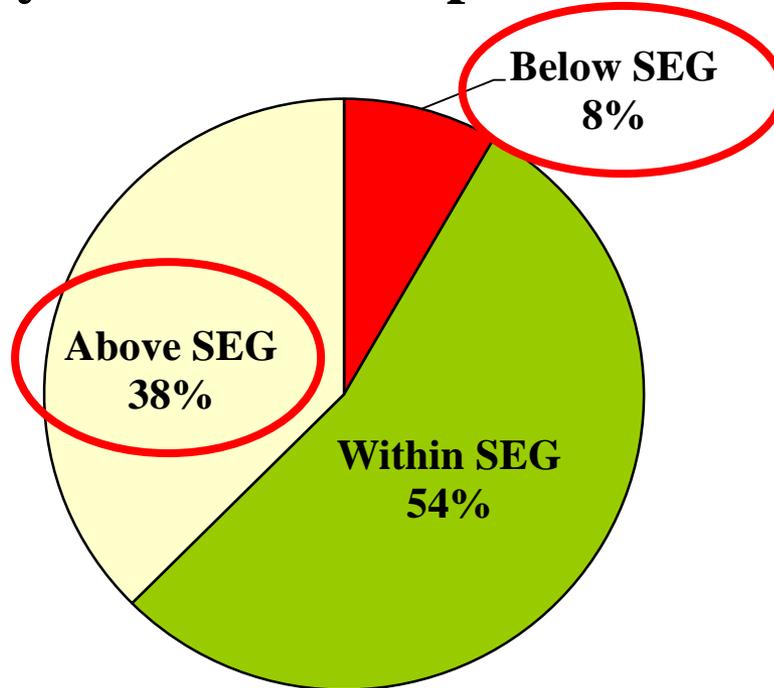
**n = 54 pink salmon escapement observations (18 stocks over 3 years)**



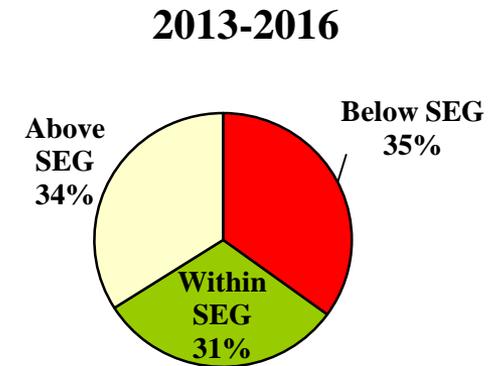
# Sockeye Salmon

## Sockeye Salmon Escapement Performance

- 8 Stocks**
- English Bay
  - Delight
  - Desire
  - Bear
  - Aialik
  - Mikfik
  - Chenik
  - Amakdedori



**2017-2019**



**n = 24 sockeye salmon escapement observations (8 stocks over 3 years)**



# Questions?

