## Trends in Pink and Chum Salmon Markets: What the Data Show

Prepared for
Pink and Chum Salmon Workshop 2012
Juneau, Alaska
February 14, 2012

By

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### My goal for this presentation

- To show <u>available data</u> for market trends for Alaska pink and chum salmon
- Other speakers can say more about:
  - Whether the data appear representative of actual market trends
  - What's driving market trends

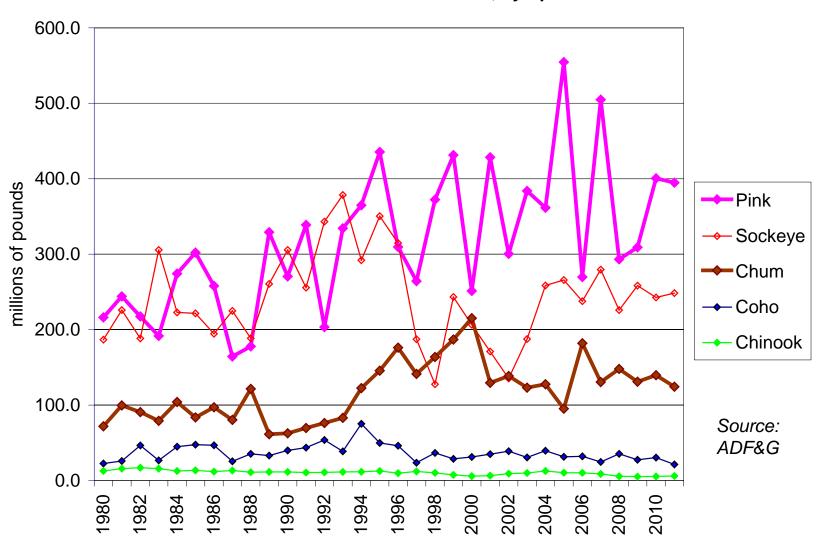
### **Data Sources**

- ADF&G Salmon Harvests and Ex-Vessel Prices Data
- FAO World Salmon Supply Data
- ADF&G Commercial Operator Annual Reports (COAR) Data
- Alaska Department of Revenue Alaska Salmon Price Reports Data
- United States Export Data
- Exchange Rate Data

### Alaska Department of Fish and Game Alaska Salmon Harvests and Ex-Vessel Prices Data

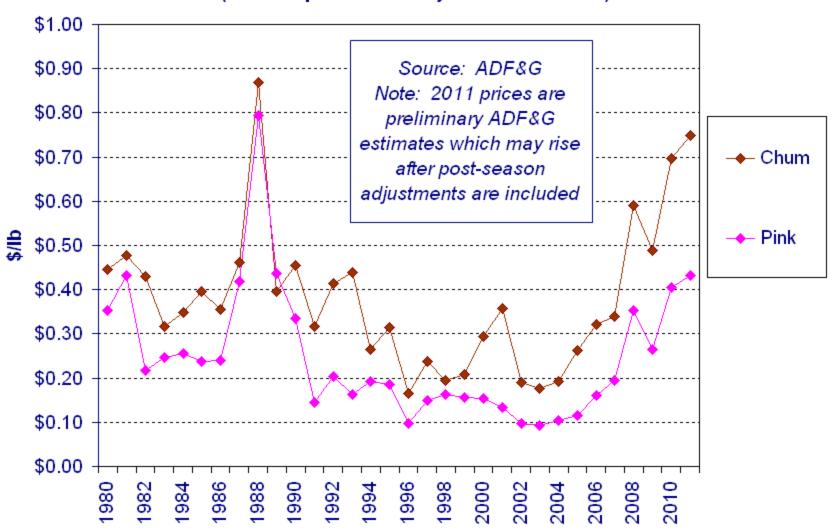
# Harvest trends for Alaska pink and chum salmon \* High harvest levels \* Wide annual variation, particularly for pinks

### Alaska Salmon Harvest Volume, by Species



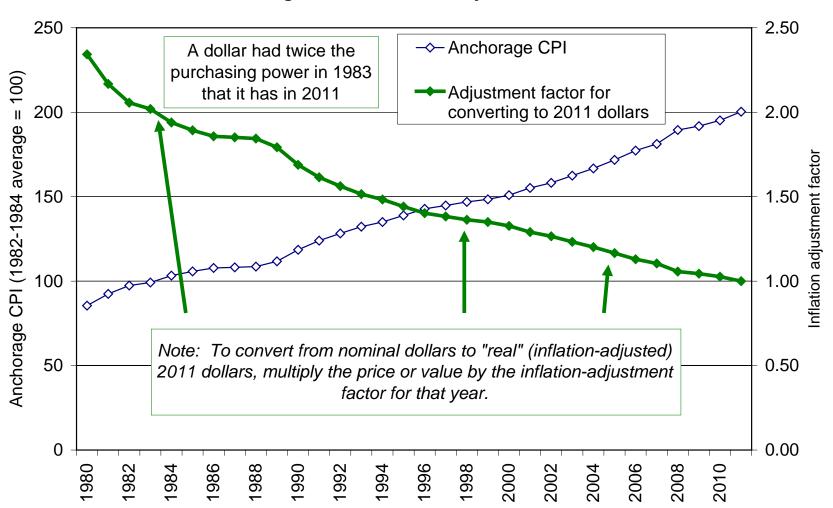
Ex-vessel prices fell drastically in 1990s but have rebounded strongly since 2002.

### Alaska Salmon Statewide Average Ex-Vessel Prices, by Species (nominal prices: not adjusted for inflation)



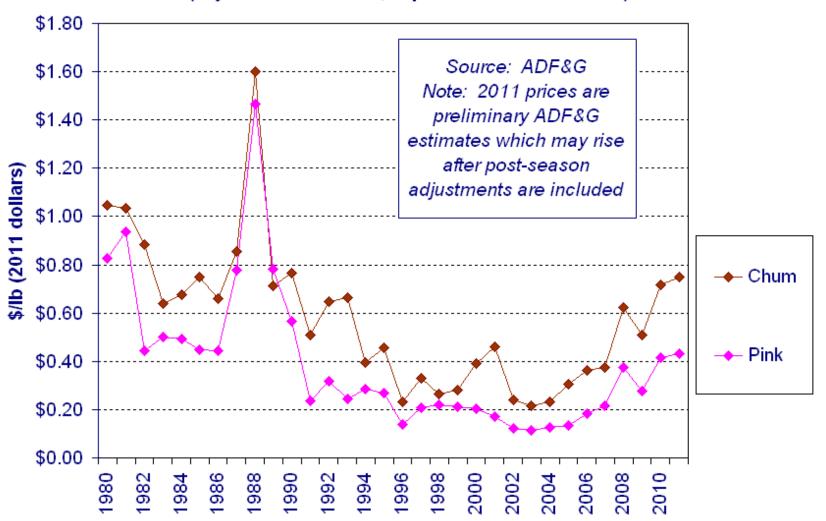
In comparing long-term price trends it's important to remember that there has been significant inflation since the 1980s.

#### **Anchorage CPI and Inflation Adjustment Factor**



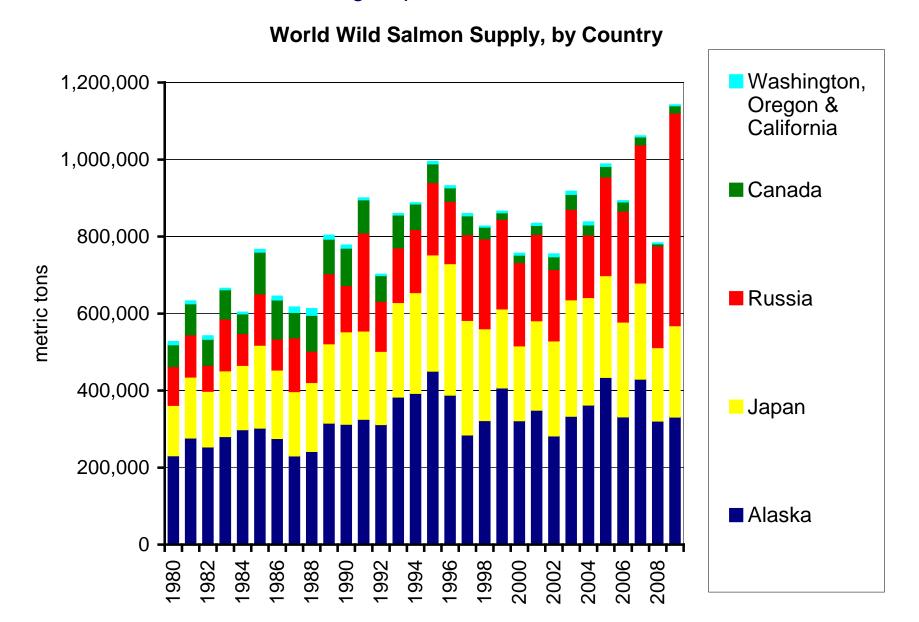
After adjusting for inflation, the rebound in ex-vessel prices since 2002 is still big but doesn't appear quite as dramatic.

## Alaska Salmon Real Statewide Average Ex-Vessel Prices, by Species (adjusted for inflation, expressed in 2011 dollars)

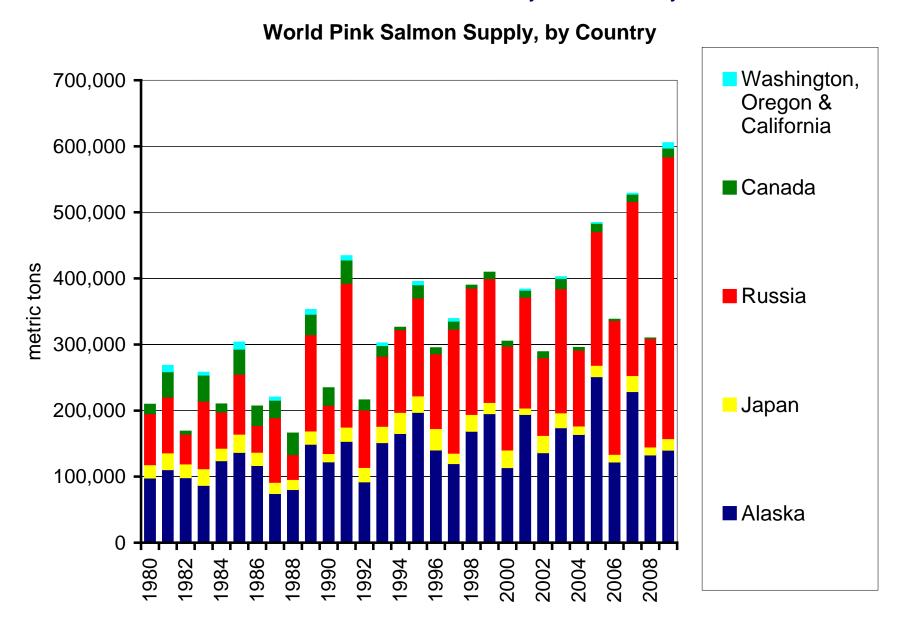


## FAO World Salmon Supply Data

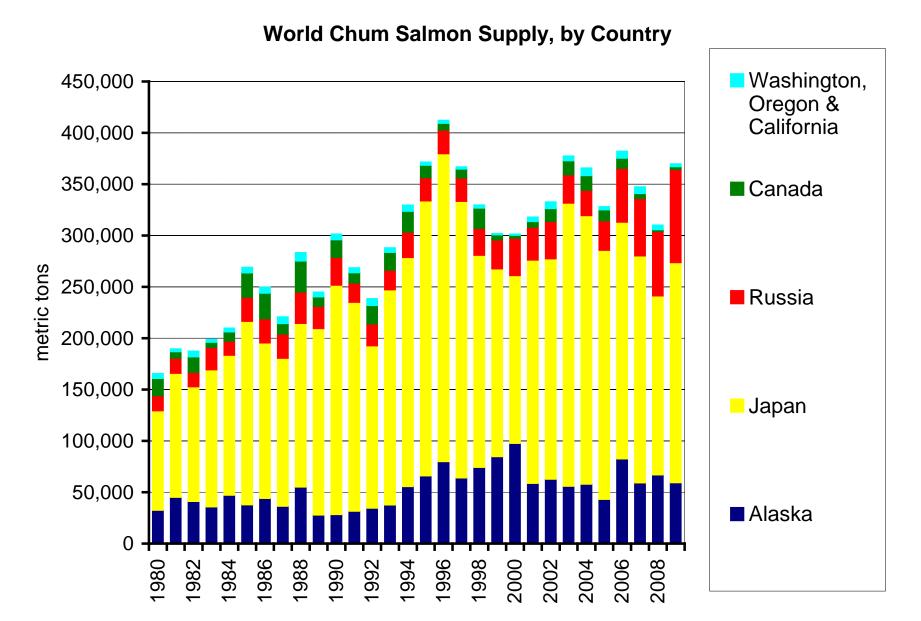
Alaska is the world's largest producer of wild salmon for all species combined. But Russia is the world's largest producer of pinks and Japan is the world's largest producer of chums.



Russian pink salmon harvests are typically greater than Alaska harvests and exhibit dramatic even-odd year variability.



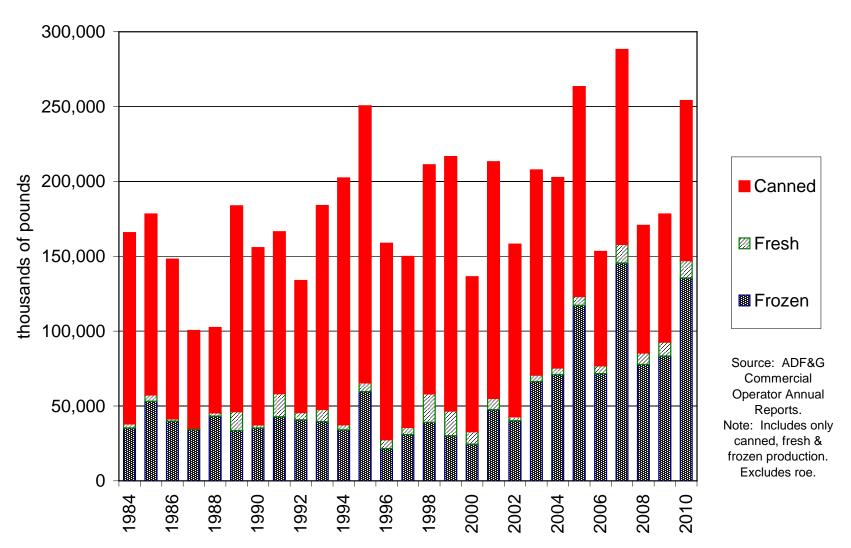
Japanese chum salmon harvests—almost entirely hatchery salmon—are about three times as great as Alaska harvests.



Alaska Department of Fish and Game Commercial Operator Annual Reports Production and Wholesale Price Data

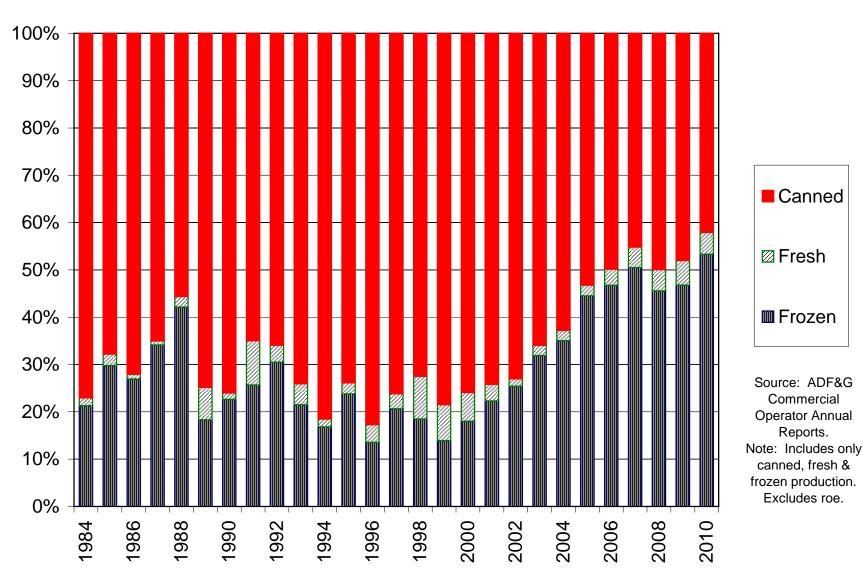
## Historically most Alaska pink salmon was canned. Since 2002, however, frozen pink salmon production has been increasing rapidly.



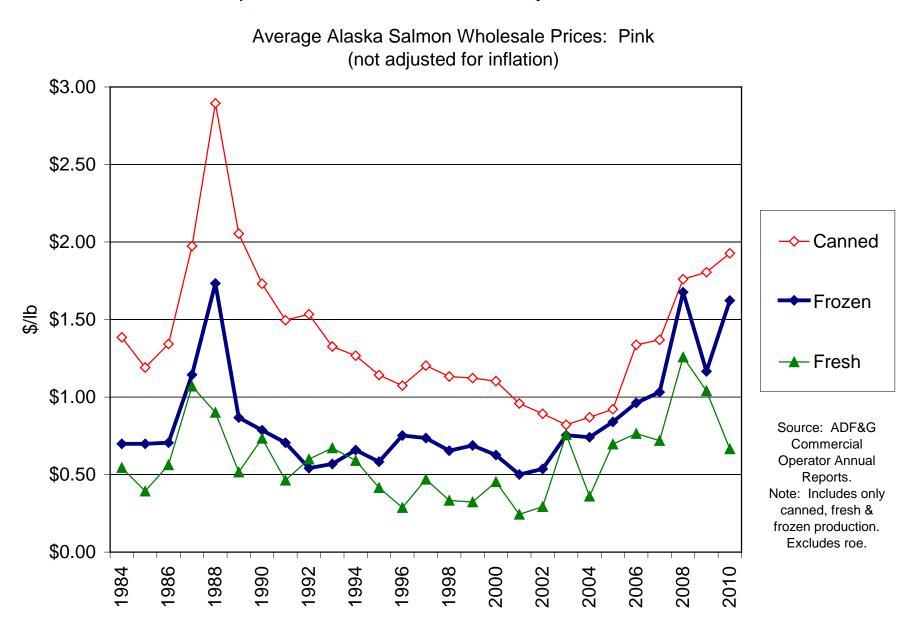


The frozen share of pink salmon production has increased dramatically since 2002.

### Share of Alaska Salmon Production: Pink

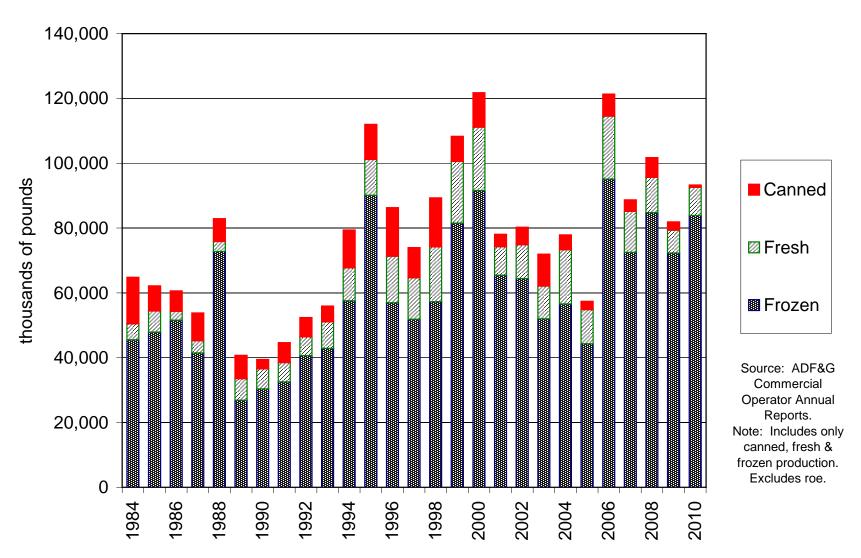


## After falling dramatically during the 1990s wholesale prices for all pink salmon prices increased dramatically after 2002.



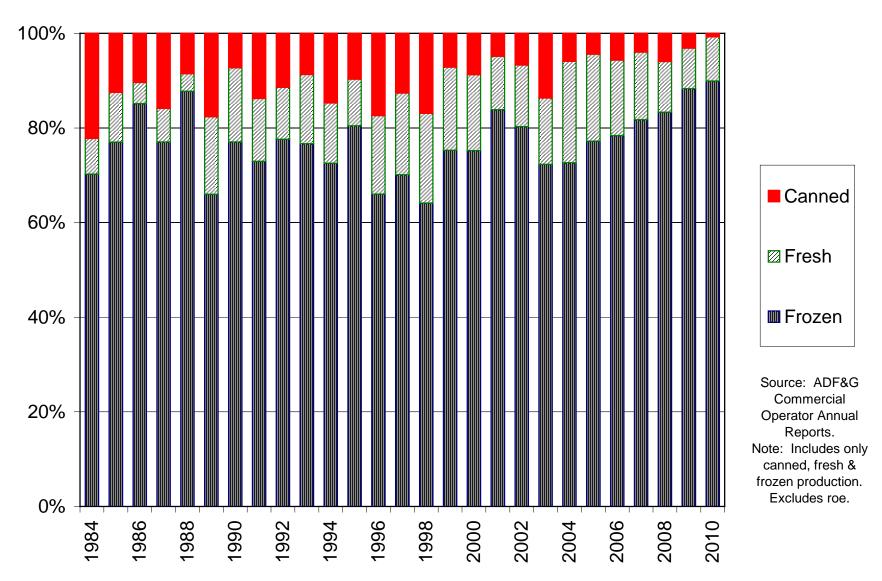
### Most Alaska chum salmon is frozen.

#### Alaska Salmon Production: Chum

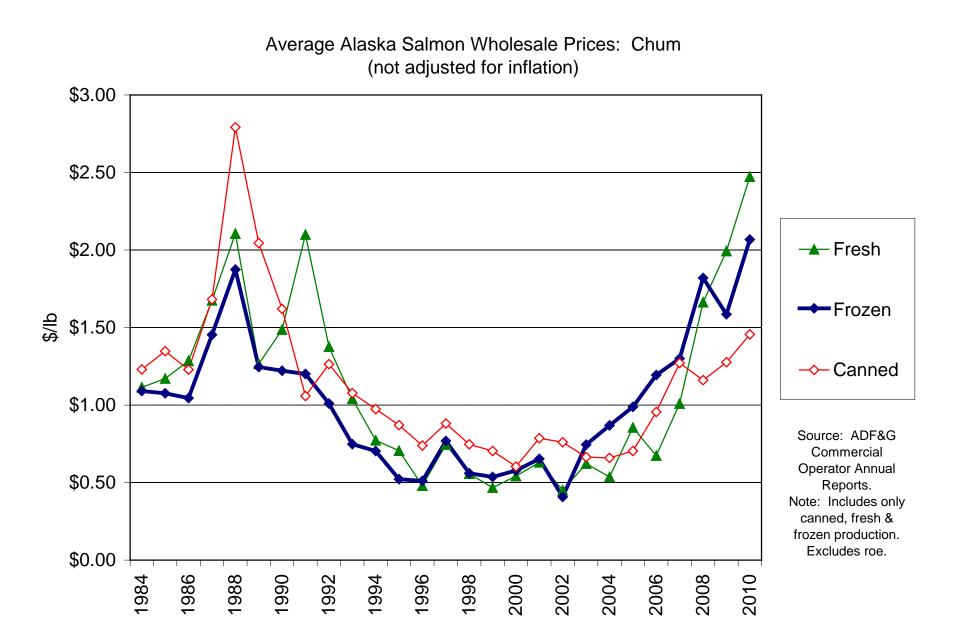


### The frozen share of Alaska chum salmon production has been increasing.



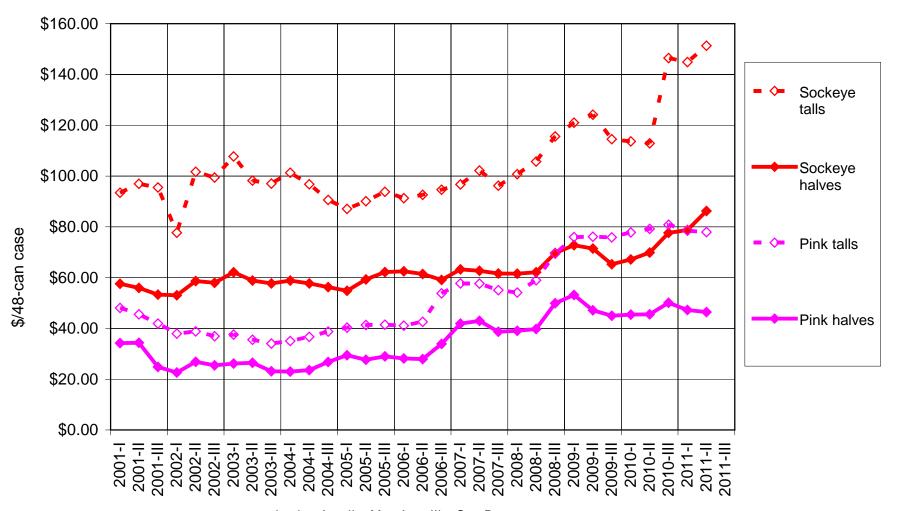


After falling dramatically during the 1990s wholesale prices for all chum salmon products increased dramatically after 2002.



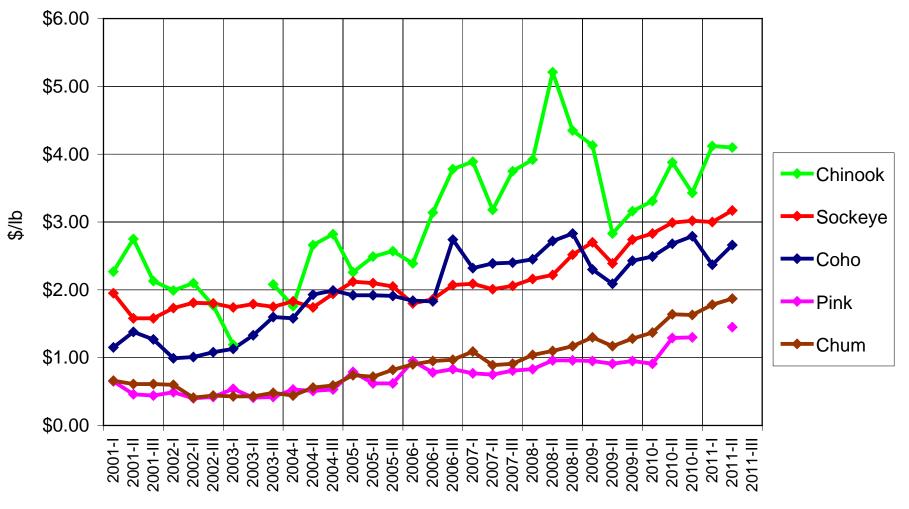
## Alaska Department of Revenue Alaska Salmon Price Reports Data

### Average First Wholesale Prices Received by Alaska Salmon Processors: Canned Sockeye and Pink (\$/48-can case)



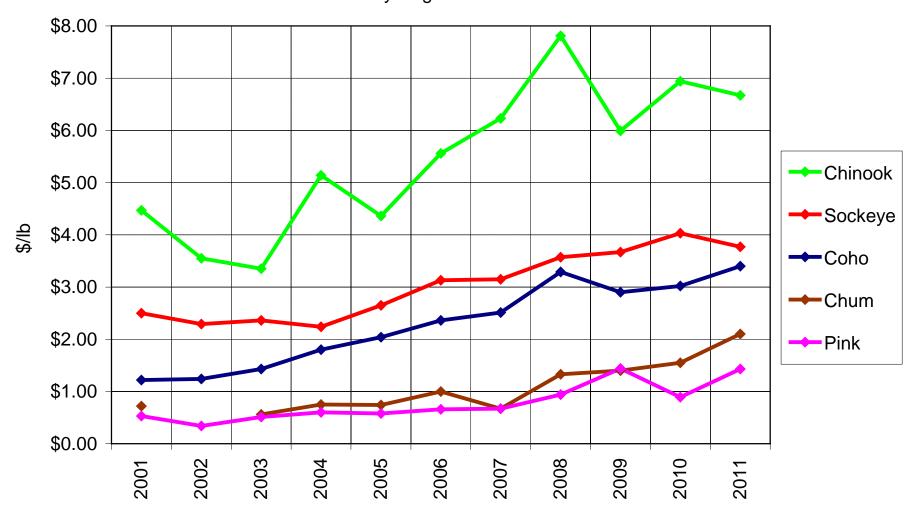
I = Jan-Apr; II = May-Aug; III = Sep-Dec Source: Alaska Department of Revenue, Alaska Salmon Price Reports

### Average First Wholesale Prices Received by Alaska Salmon Processors: Frozen H&G



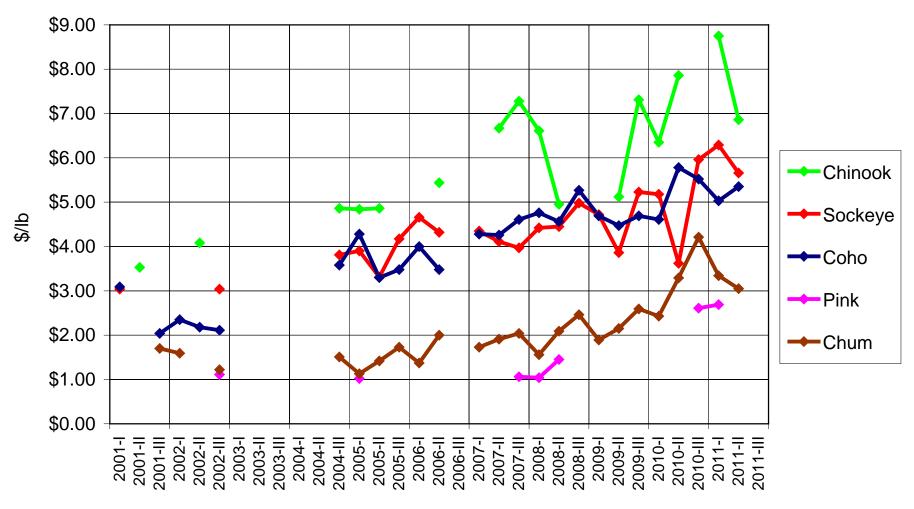
I = Jan-Apr; II = May-Aug; III = Sep-Dec; Source: Alaska Department of Revenue, Alaska Salmon Price Report

### Average First Wholesale Prices Received by Alaska Salmon Processors, May-August: Fresh H&G



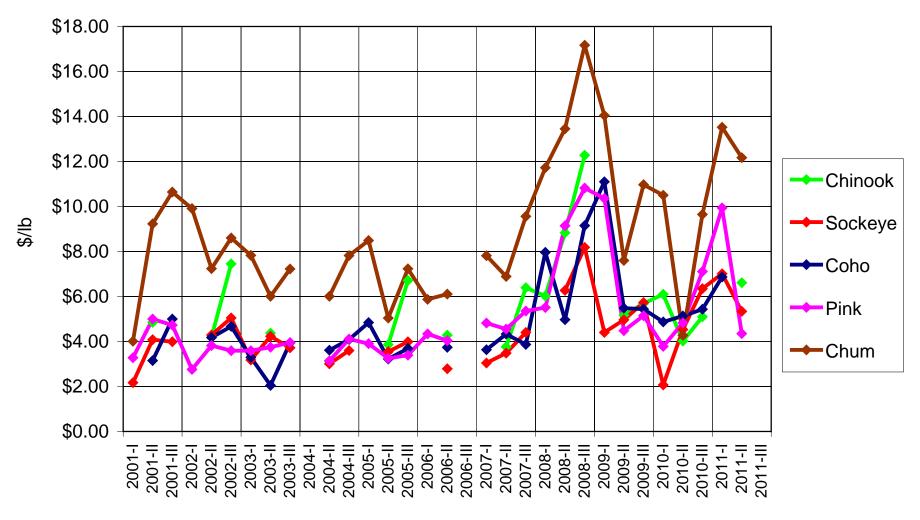
Source: Alaska Department of Revenue, Alaska Salmon Price Reports

### Average First Wholesale Prices Received by Alaska Salmon Processors: Frozen Fillets



I = Jan-Apr; II = May-Aug; III = Sep-Dec; Source: Alaska Department of Revenue, Alaska Salmon Price Report

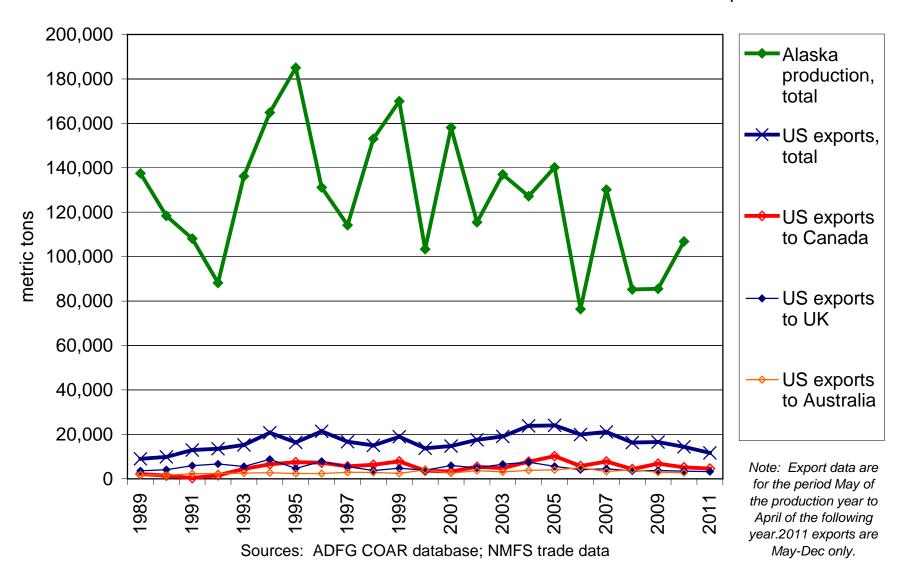
### Average First Wholesale Prices Received by Alaska Salmon Processors: Roe



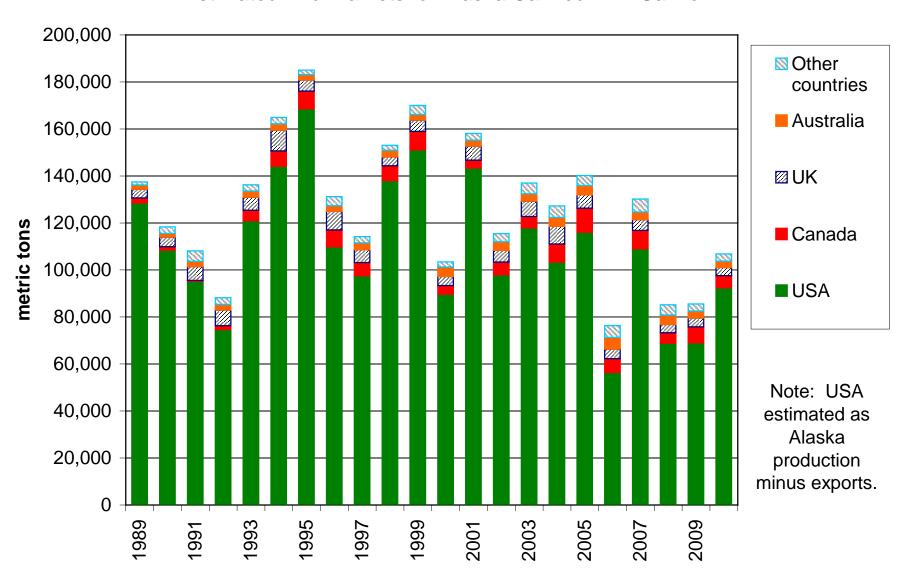
 $I = Jan\text{-}Apr; \ II = May\text{-}Aug; \ III = Sep\text{-}Dec; \ Source: \ Alaska \ Department \ of \ Revenue, \ Alaska \ Salmon \ Price \ Report$ 

## United States Export Data

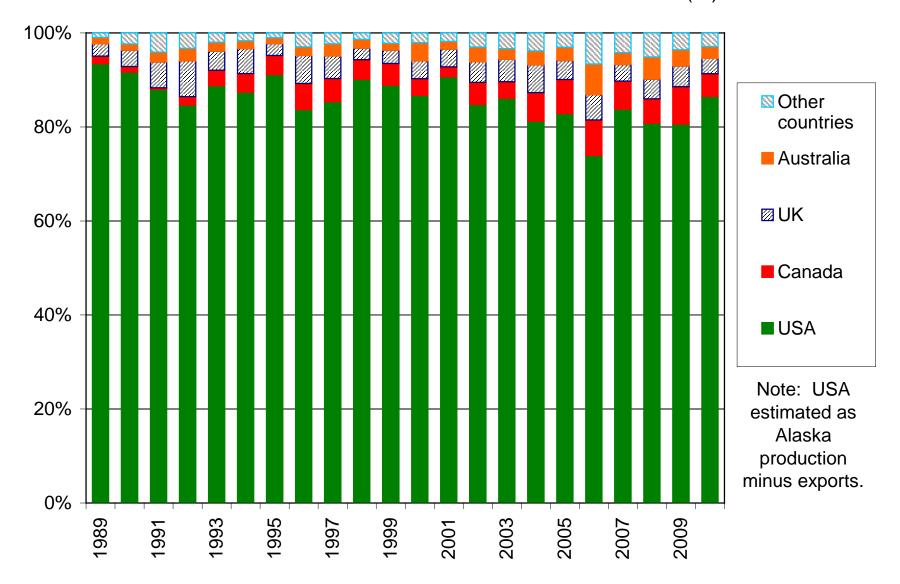
### Alaska Canned Pink Salmon Production & U.S. Canned Pink Salmon Exports



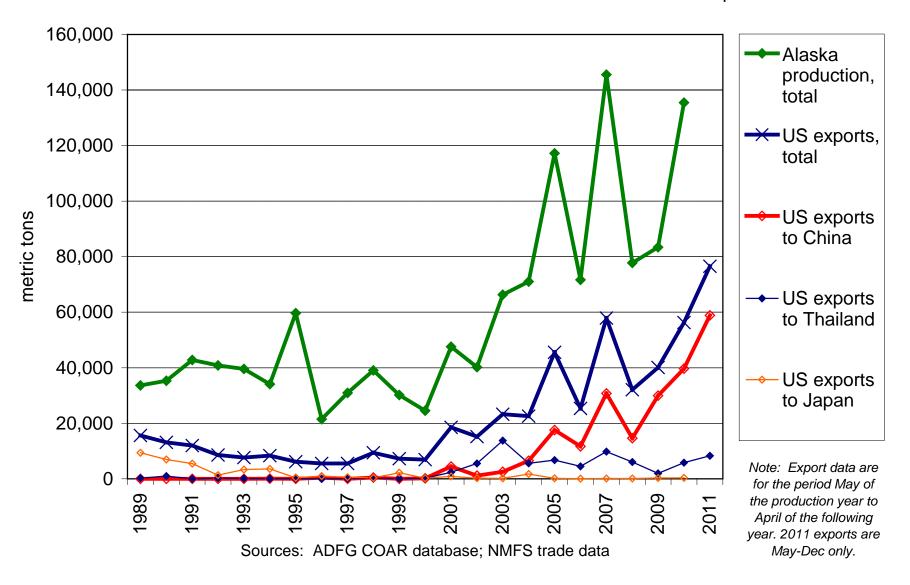
#### Estimated End-Markets for Alaska Canned Pink Salmon



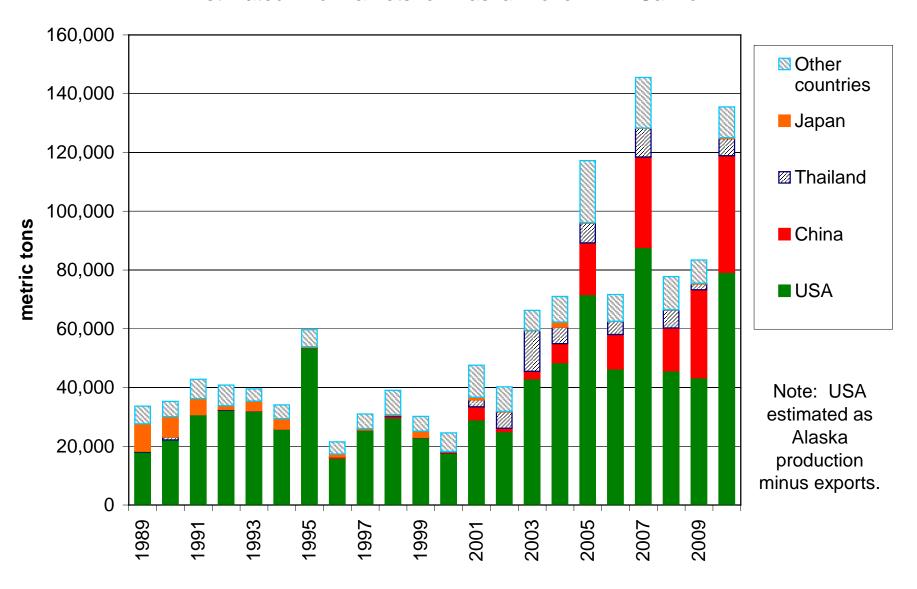
### Estimated End-Markets for Alaska Canned Pink Salmon (%)



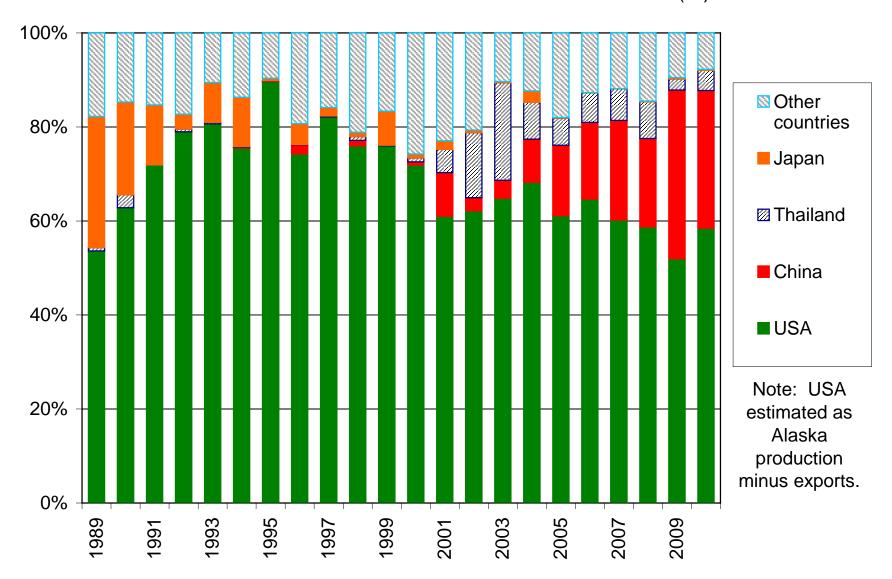
#### Alaska Frozen Pink Salmon Production & U.S. Frozen Pink Salmon Exports



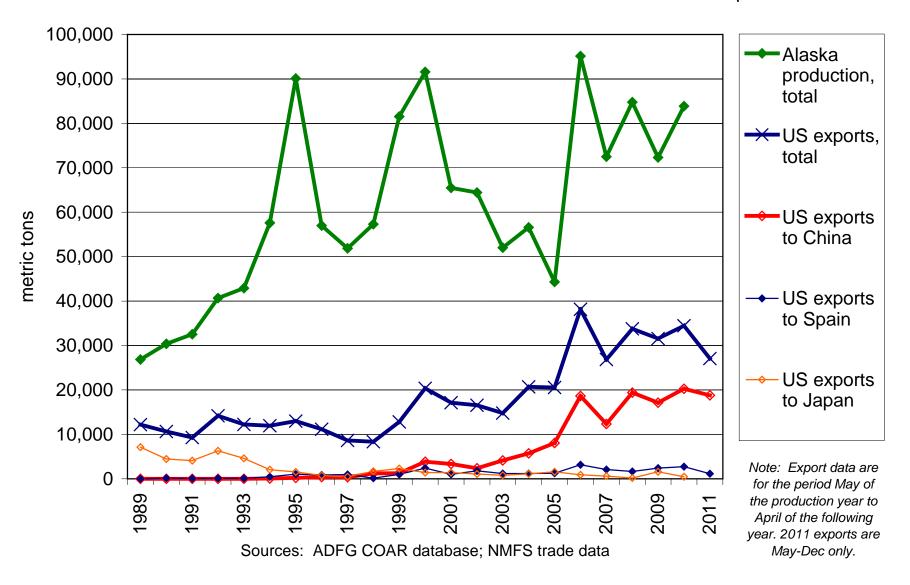
#### Estimated End-Markets for Alaska Frozen Pink Salmon



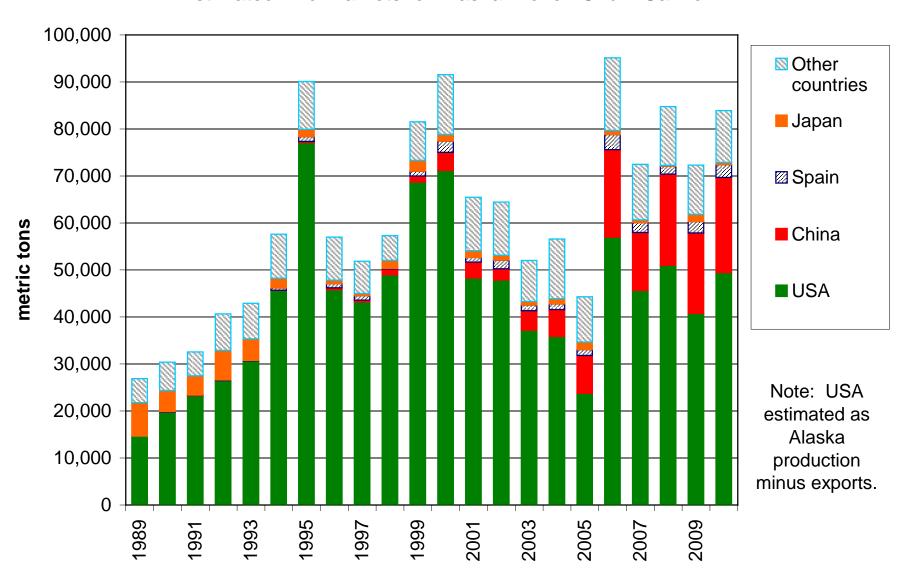
### Estimated End-Markets for Alaska Frozen Pink Salmon (%)



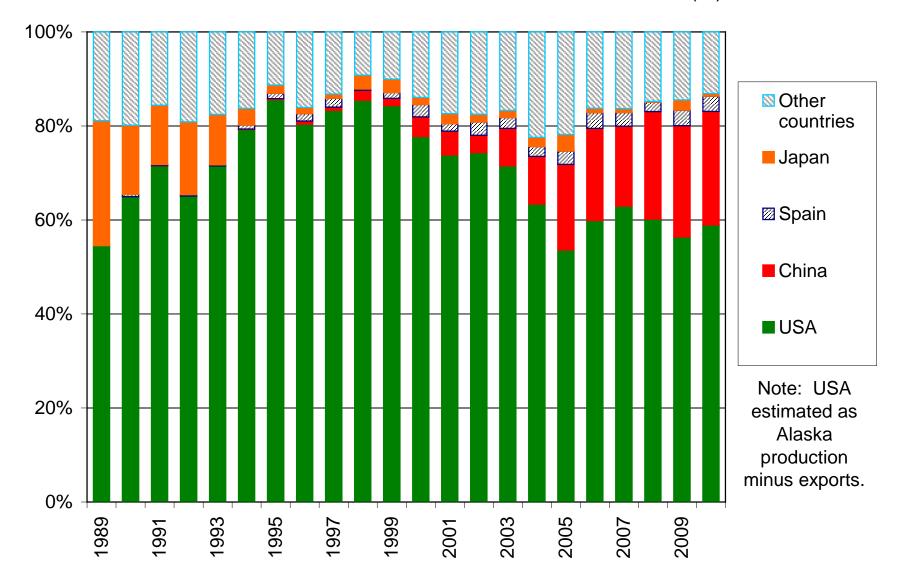
#### Alaska Frozen Chum Salmon Production & U.S. Frozen Chum Salmon Exports



#### Estimated End-Markets for Alaska Frozen Chum Salmon

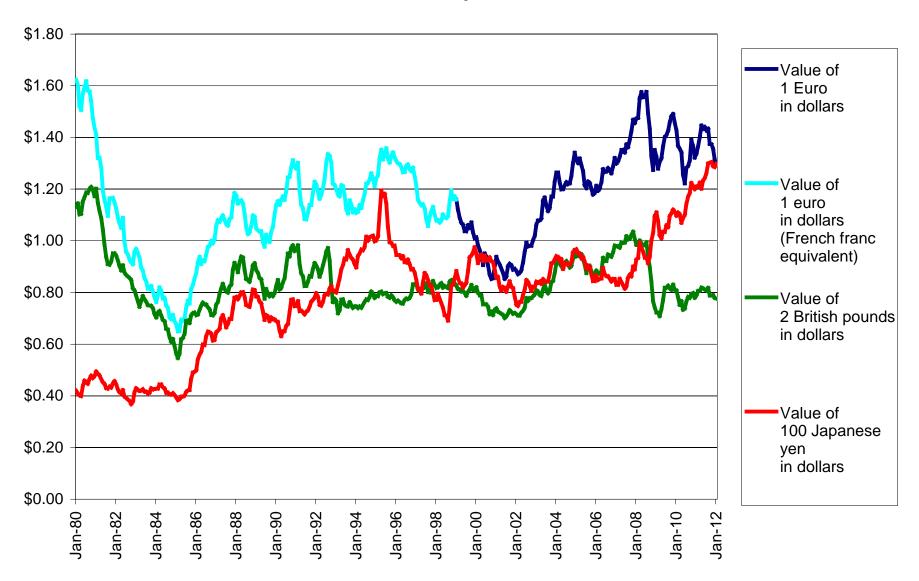


### Estimated End-Markets for Alaska Frozen Chum Salmon (%)



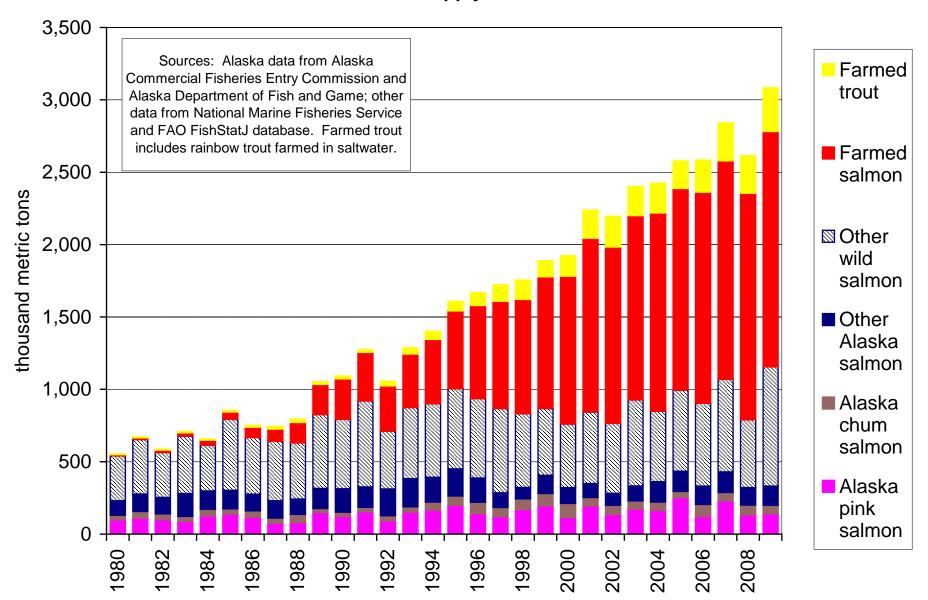
## **Exchange Rate Data**

### Value of Currencies of Selected Major End-Markets for Alaska Salmon

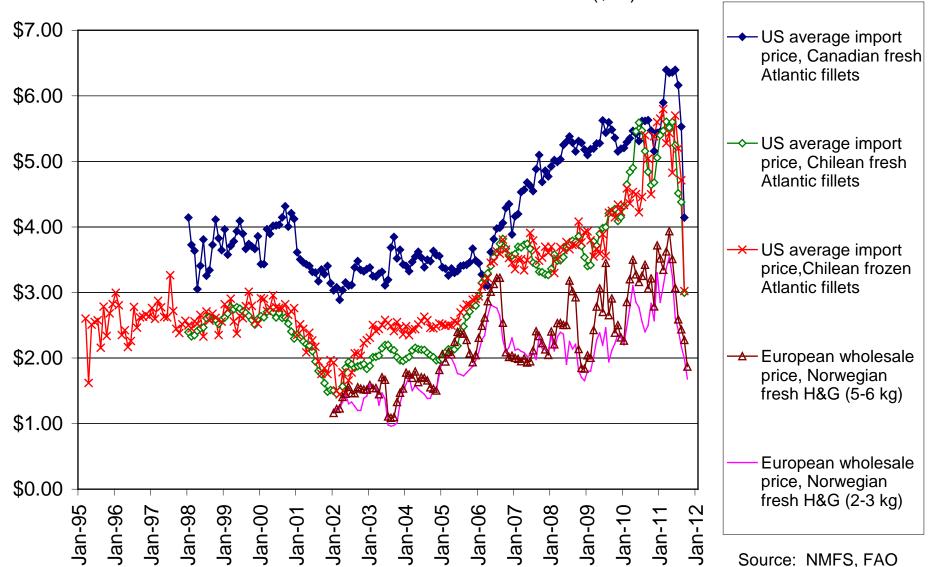


### Farmed Salmon Price Trends

### World Salmon Supply: Wild and Farmed

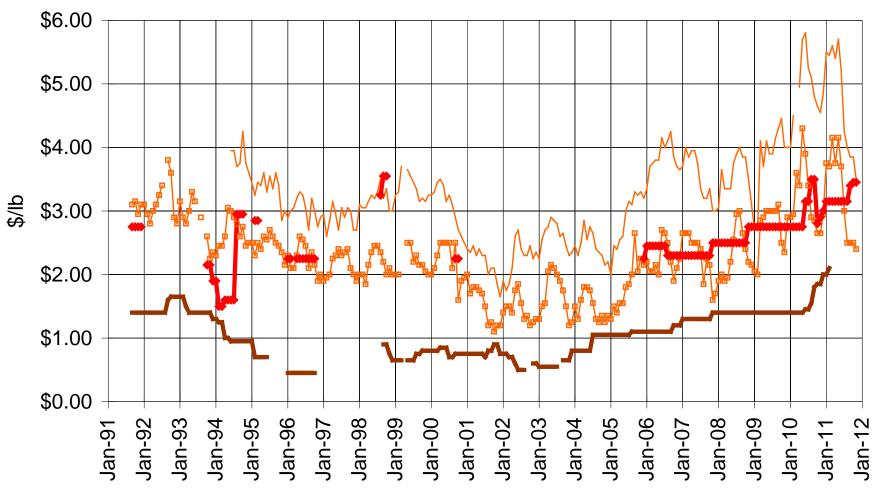


### Average Wholesale Prices of Farmed Atlantic Salmon, Selected Products and Markets (\$/lb)



## U.S. Wholesale Prices for Selected Wild and Farmed Salmon Products reported in Urner Barry's Seafood Price Current

Fresh farmed Atlantic, pinbone-out fillets
 Frozen H&G wild sockeye
 Frozen wild Chum, semi-brite



Source: Urner Barry Publications, Inc., Seafood Price Current.