



***Kenai River King Salmon
Assessment & Management
With
Information about Coho
Salmon***

RC 4 Tab 7

Kenai River king salmon management:

- **Review inseason assessment**
- **Review king salmon management**
- **Briefly summarize Kenai River coho salmon.**

**In-season Kenai king salmon management:
Sonar estimate minus harvest =
escapement**

- ✓ **Sonar passage estimates of king salmon daily RM 14 inseason run projection**
- ✓ **Creel survey harvest inseason harvest projection from run**
- ✓ **Escapement projected inseason: sonar minus harvest**
- ✓ **Direct estimates less error reduce uncertainty.**

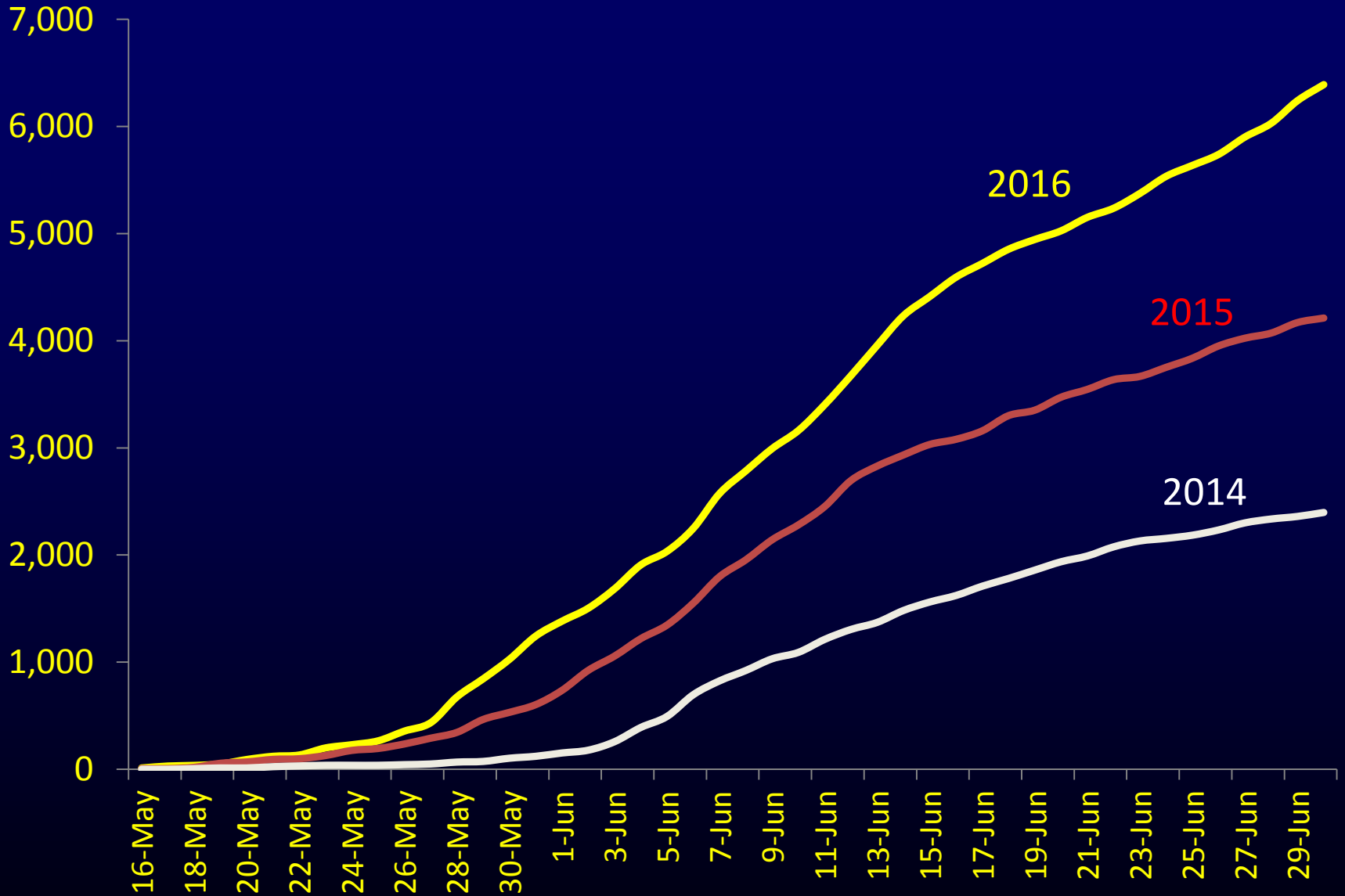
Early-run King Salmon Management

- ❖ **5 AAC 57.160. Kenai River and Kasilof River Early-run King Salmon Management Plan**
 - **Conserve unique large size of early-run fish**
 - **Existing Regulations**
 - **Achieve OEG 5,300 – 9,000 all sizes of king salmon**
 - **Recommended SEG 2,800 – 5,600 large king salmon.**

Inseason Assessment and Management

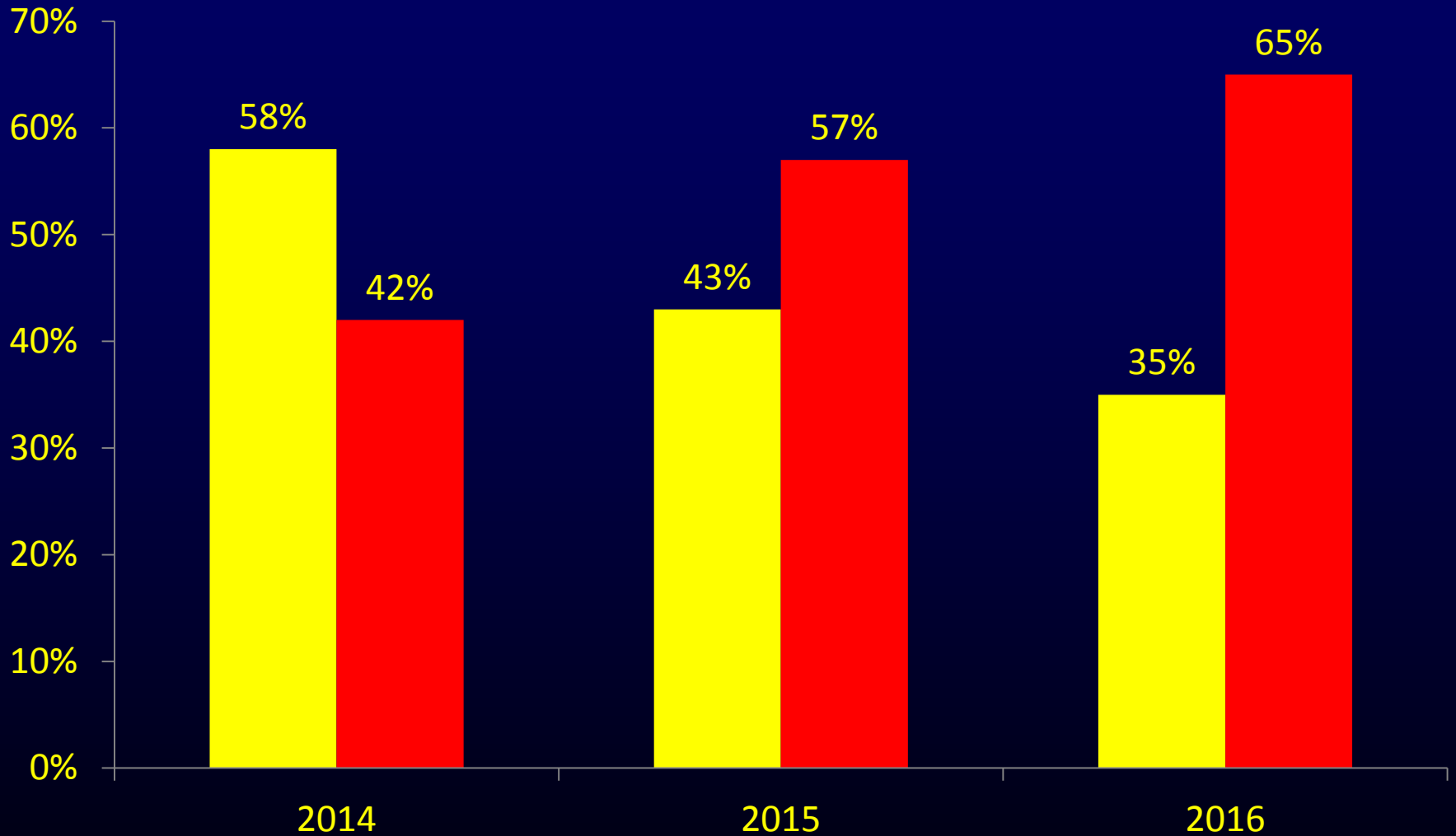
- ❖ **2016 Early-run assessment and management**
 - **OEG 5,300 – 9,000 king salmon of all sizes**
 - **2016 escapement = 9,100 king salmon of all sizes**
 - **Escapement of 6,200 large king salmon.**

Early Run Large King Salmon ≥ 75



Early-Run

■ Small King Salmon ■ Large King Salmon



2017 King Salmon Inseason Management

❖ Early-run

- Outlook 6,500 large king salmon
- Below historical average of 9,200 large king salmon
- Existing regulations
- Early-run conservation thru July.

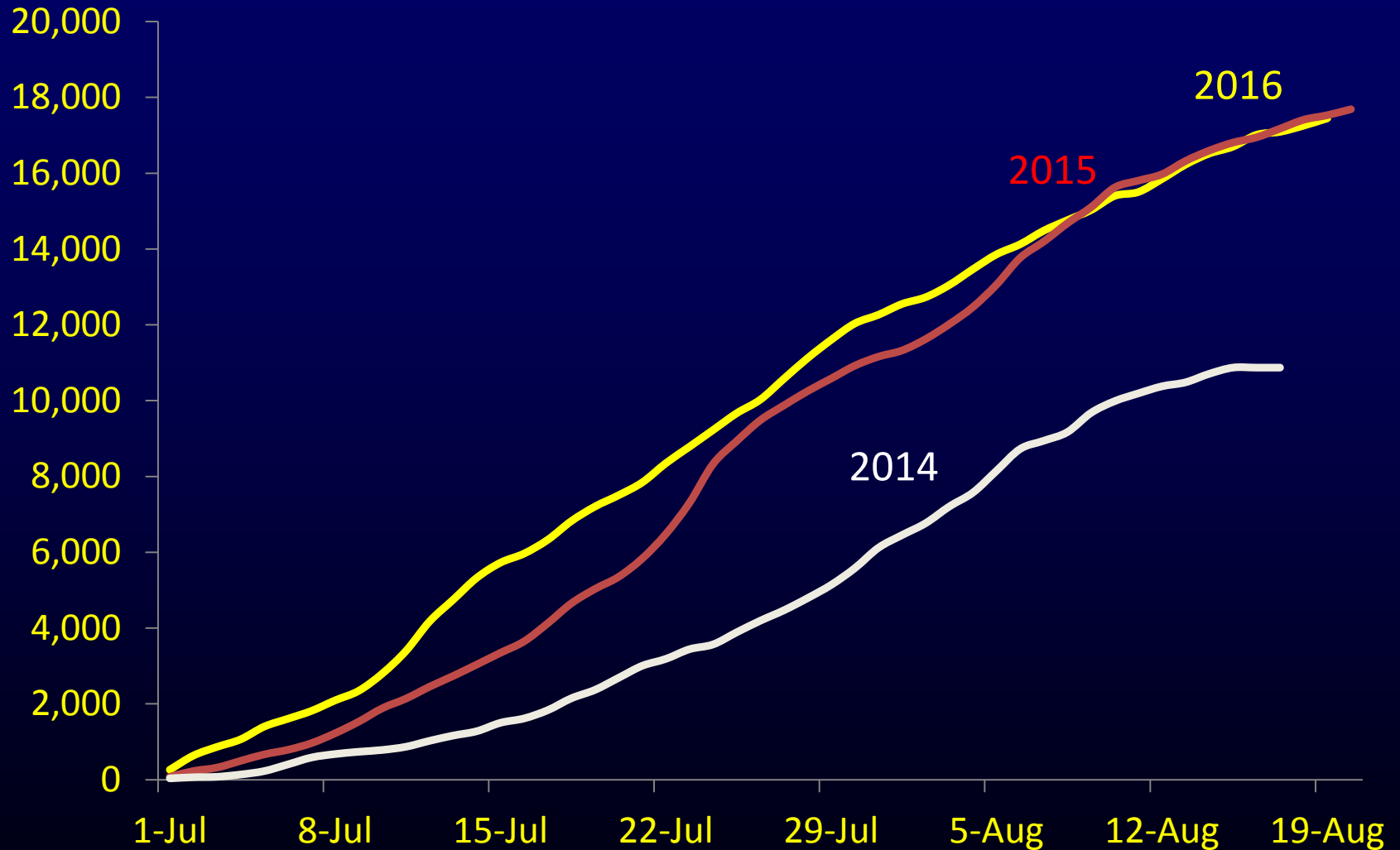
Late-run King Salmon Management

- ❖ **5 AAC 21.359. Kenai River Late-run King Salmon Management Plan**
 - **Existing Regulations**
 - **Primarily for inriver sport fishery**
 - **Inseason management targets guidelines to restrict & to liberalize evaluated by sonar estimate**
 - **To achieve SEG 15,000 – 30,000 king salmon**
 - **Recommended SEG 13,500 – 27,000 large king salmon.**

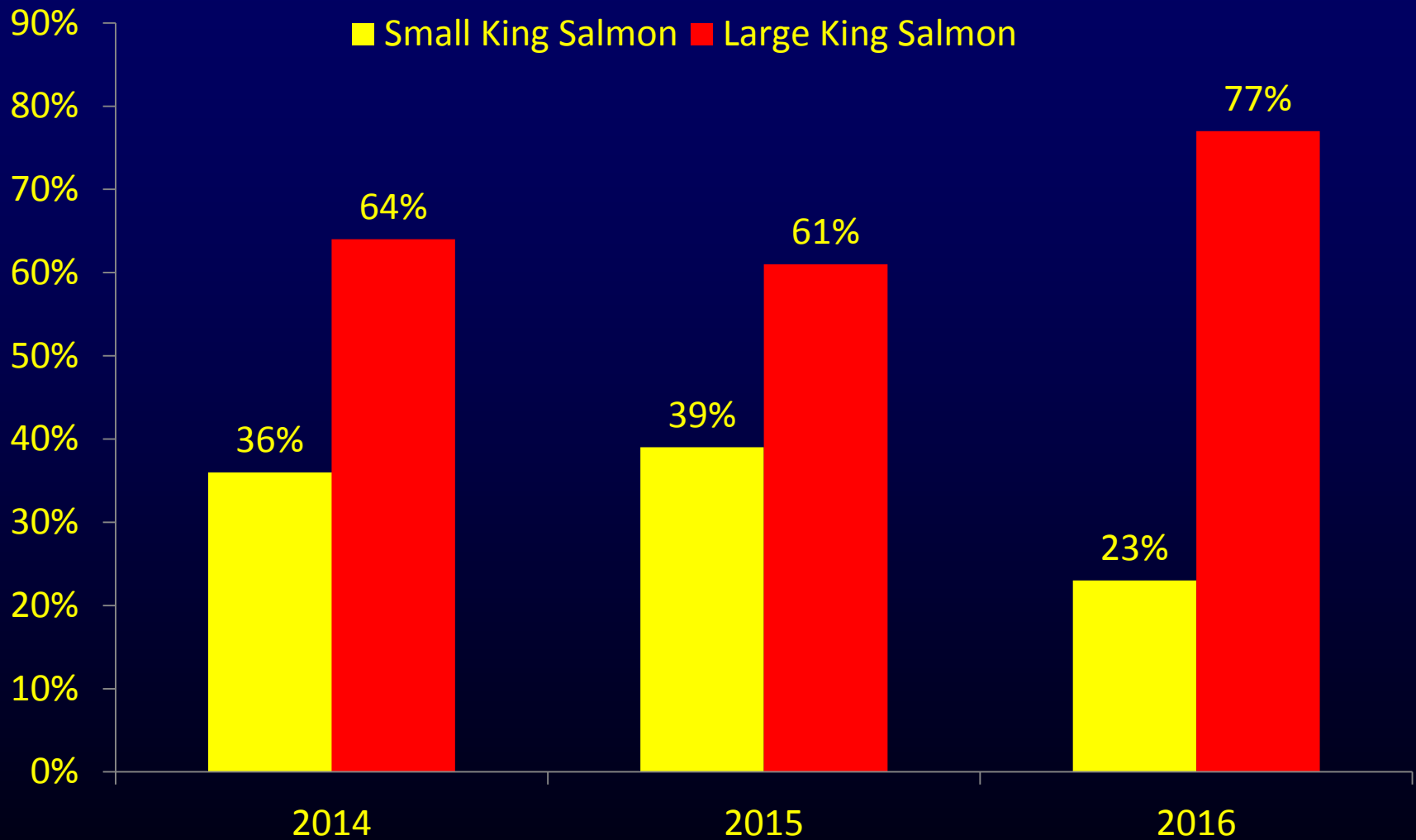
Inseason Assessment and Management

- ❖ **2016 Late-run assessment and management**
 - **SEG 15,000 – 30,000 king salmon of all sizes**
 - **Inriver run target 22,500 “July”**
 - **King salmon escapement of all sizes 18,900**
 - **Large king salmon Escapement 14,900.**

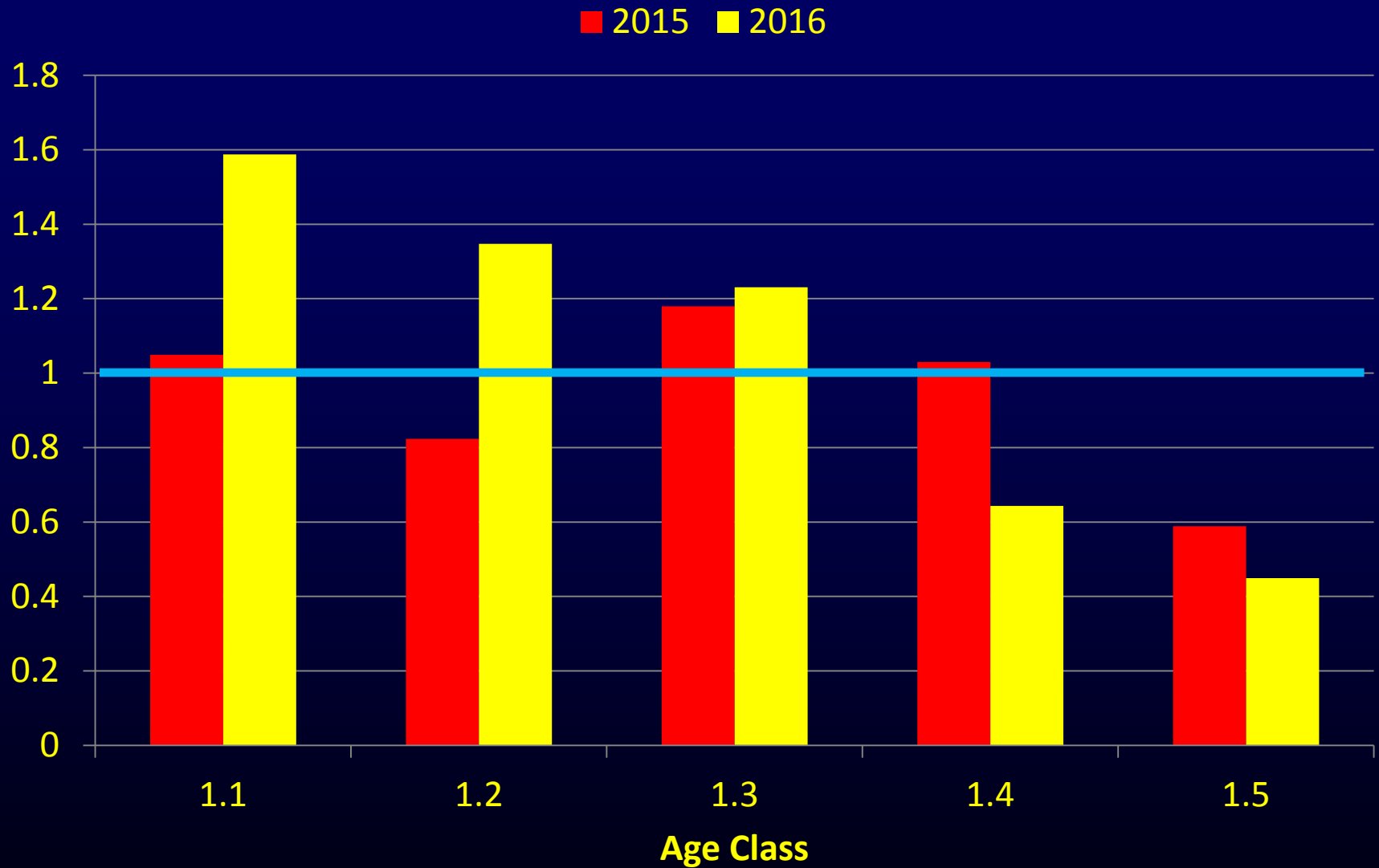
Late Run Large King Salmon ≥ 75



Late-Run



Inriver Sport Harvest Selectivity Late-Run



2017 King Salmon Inseason Management

❖ Late-run

- Outlook 33,600 large king salmon
- Below historical average run of 45,000 large king salmon
- Early-run abundance
- Existing regulations.

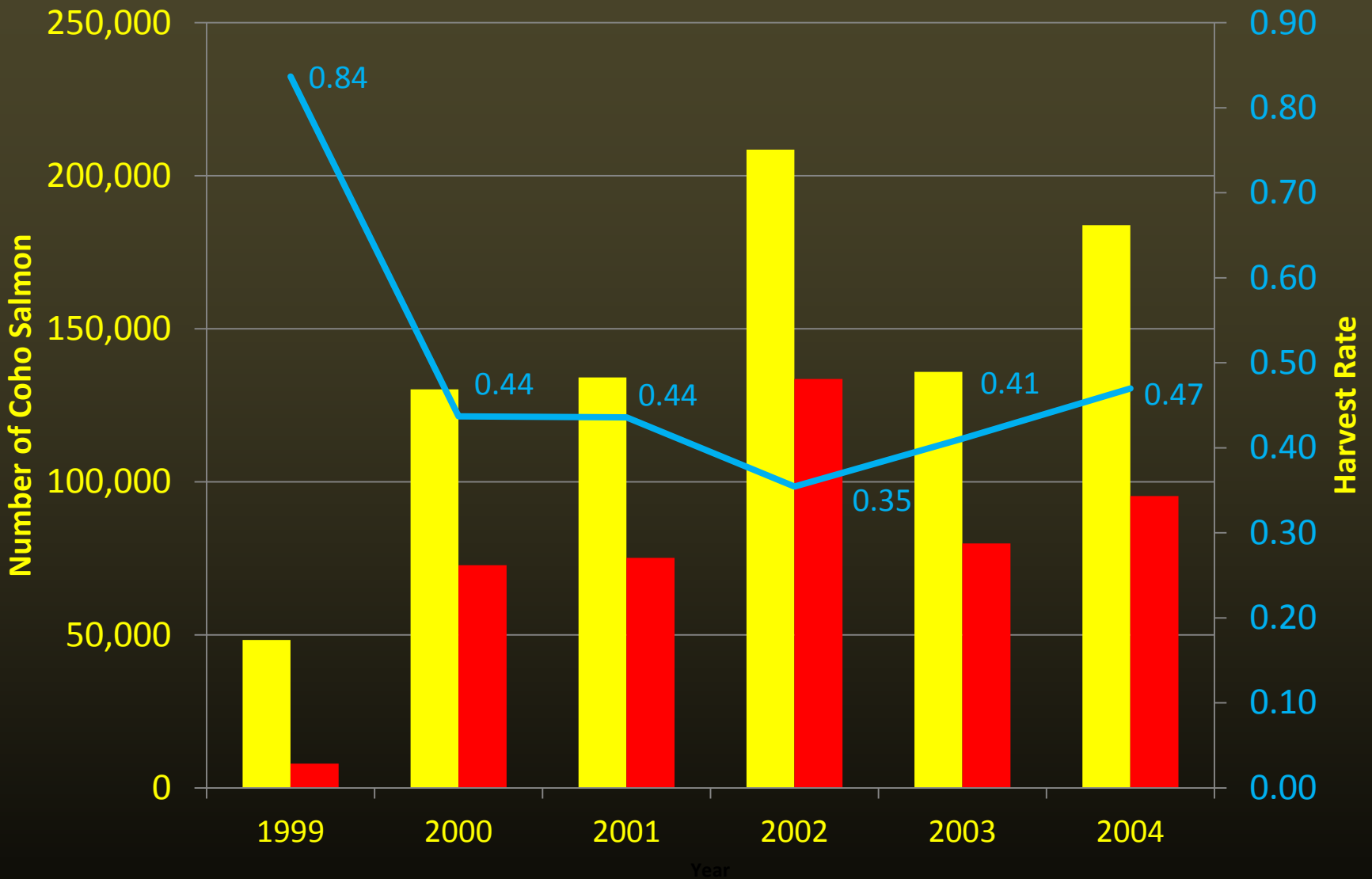


Kenai River Coho Salmon Management

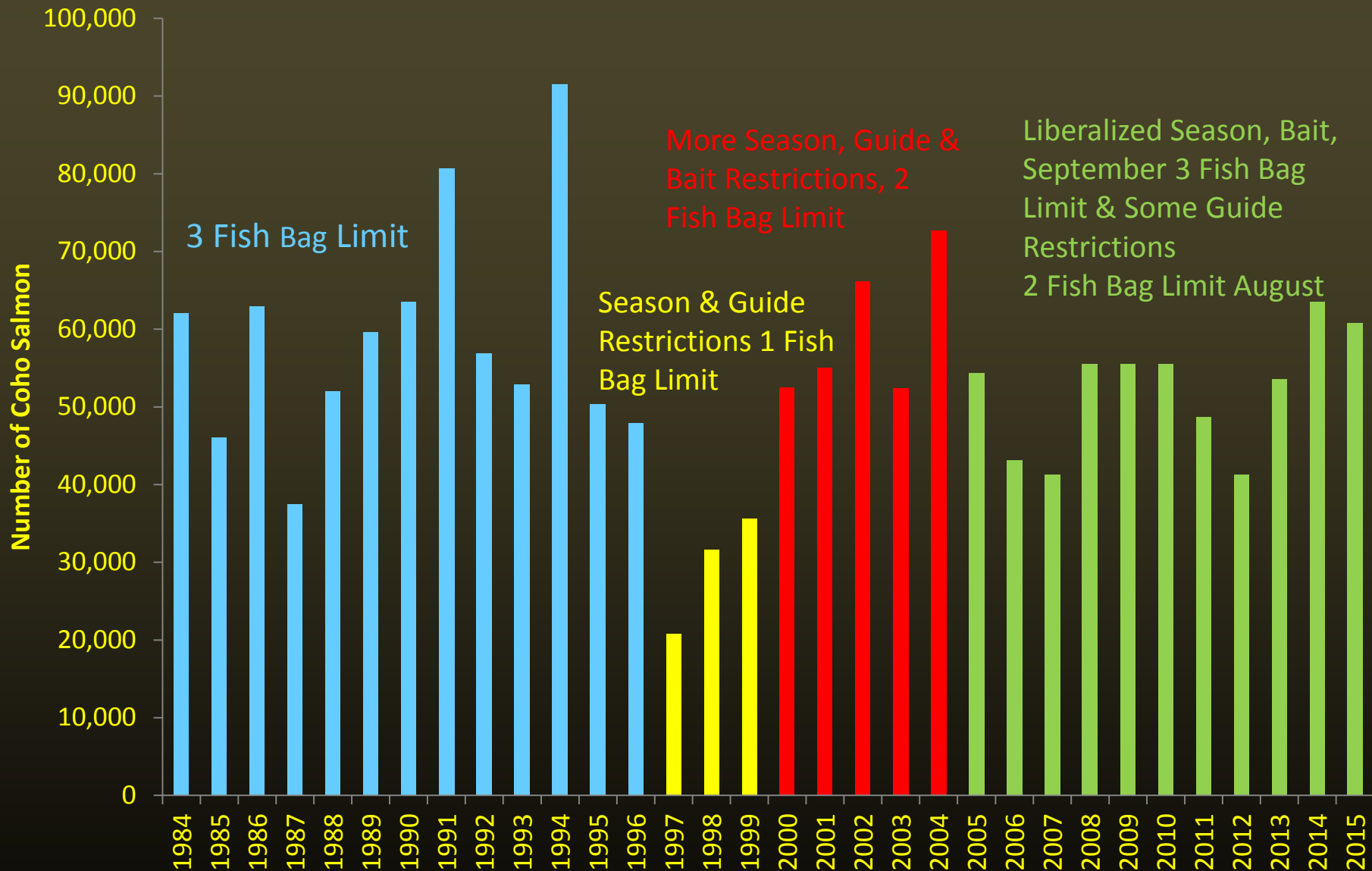
- ❖ **5 AAC 57.170 Kenai River Coho Salmon Management Plan**
 - **Guideline options to restrict**
 - **Provide sport and guided sport reasonable harvest opportunity**
 - **No inseason assessment**
 - **No escapement goal**
 - **Existing regulations**
 - **Maintain sustainable harvest opportunity.**

Kenai River Coho Salmon 1999 - 2004

■ Total Run ■ Escapement — Harvest Rate



Kenai River Drainage Coho Salmon Harvest



Kenai River Coho Salmon Summary

- **Regulation Changes Stable to Increasing Harvest**
- **Total Sport Fishing Effort (August) Increasing**
- **Present Exploitation Higher than 49% (1999-2004)**
- **No Coho Salmon Assessment**
- **High Variability in Annual Run Size.**

Questions?

