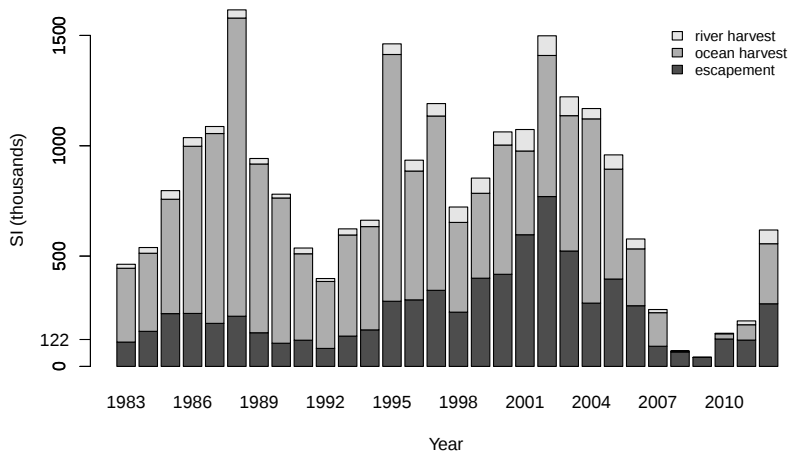
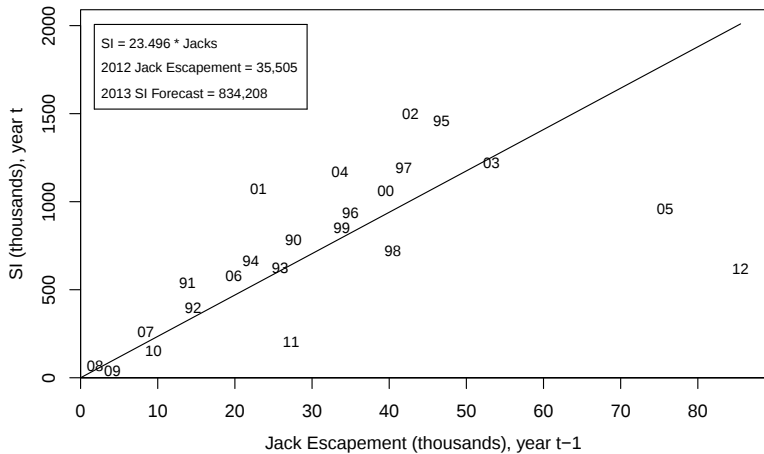


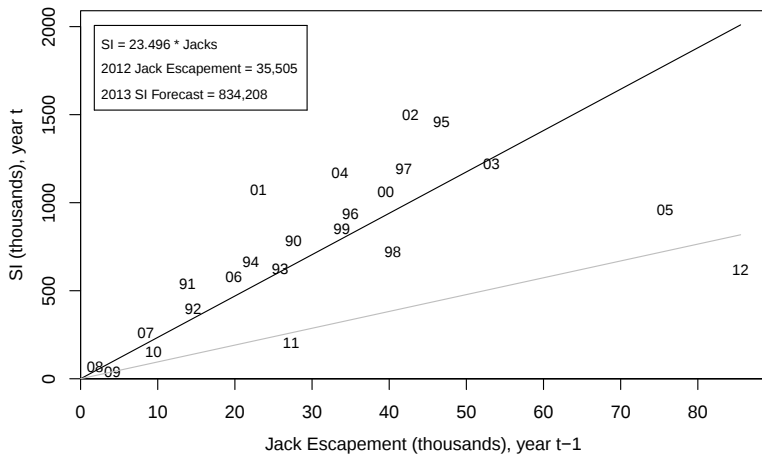
Sacramento Index (SI) time series



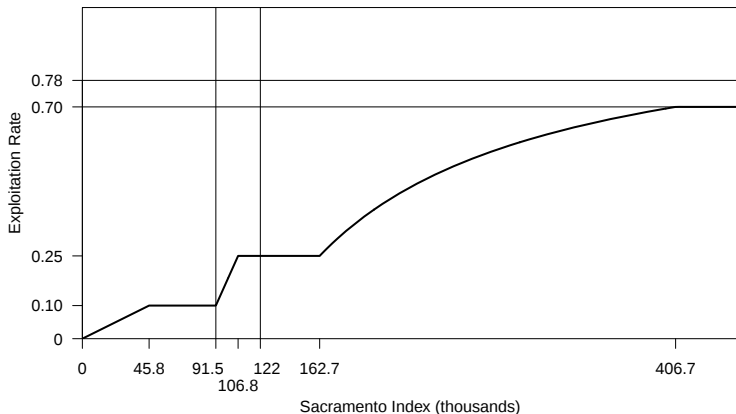
2013 SI forecast: 834,208



2013 vs. 2012 forecast

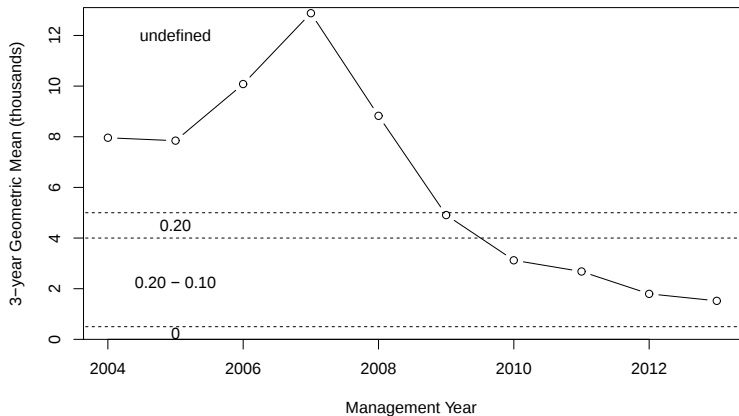


Management context

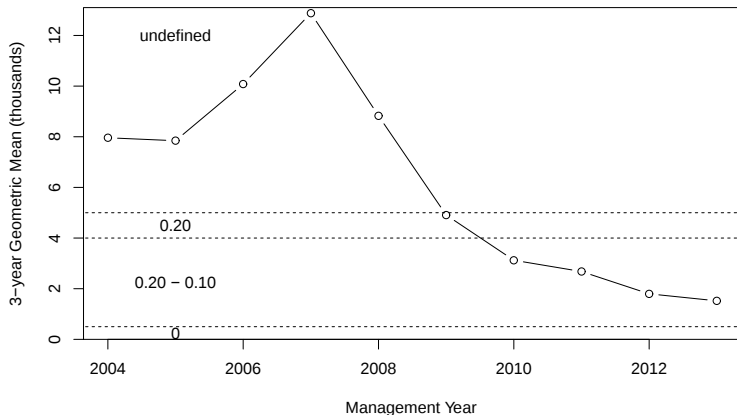


- ▶ Abundance forecast large
- ▶ Must target an escapement of at least 250,262 (max 70% exploitation rate)
- ▶ Unlikely to constrain 2013 fisheries
- ▶ 2012 regs: prediction of 442,767 spawners

Sacramento River winter Chinook

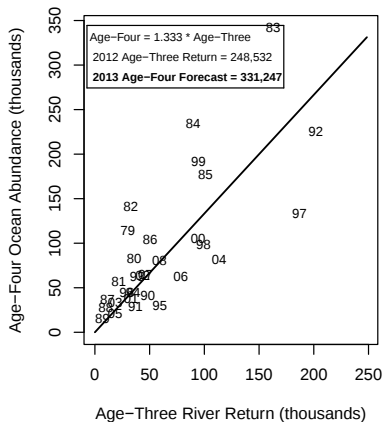
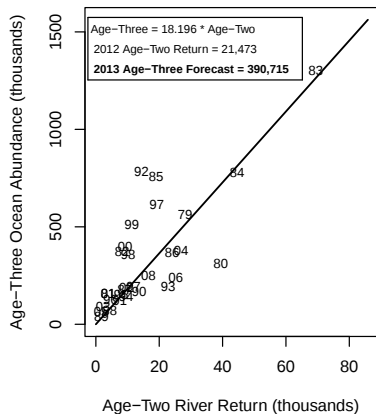


Sacramento River winter Chinook



- ▶ Maximum allowable age-3 impact rate: 12.9%
- ▶ 2012 regs: 15.9% age-3 impact rate prediction
- ▶ Will constrain fisheries south of Point Arena

2013 Klamath abundance forecast: 727,682



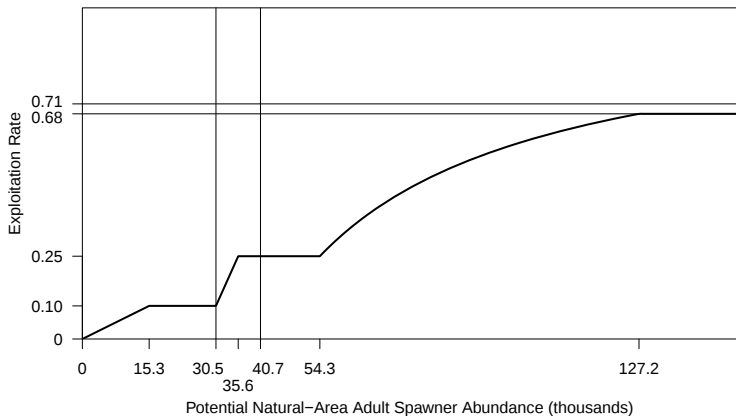
KRFC 2013 abundance forecast:

age-3: 390,715

age-4: 331,247

age-5: 5,720

Management context



- ▶ Potential spawner abundance forecast large (230,473)
- ▶ Must target an escapement of at least 73,751 (max 68% exploitation rate)

Management context, contd.

2012 regs:

- ▶ Tribal allocation: 50% of total harvest
- ▶ River recreational allocation: 42% of non-tribal harvest
- ▶ Natural-area adult spawners = 57,669
- ▶ Exploitation Rate = 0.75
- ▶ Age-4 ocean harvest rate = 15.5

Management context, contd.

2012 regs:

- ▶ Tribal allocation: 50% of total harvest
- ▶ River recreational allocation: 42% of non-tribal harvest
- ▶ Natural-area adult spawners = 57,669
- ▶ Exploitation Rate = 0.75
- ▶ Age-4 ocean harvest rate = 15.5

2012 regs with more 'typical' river recreational allocation

- ▶ Tribal allocation: 50% of total harvest
- ▶ River recreational allocation: 15% of non-tribal harvest
- ▶ Natural-area adult spawners = 116,708
- ▶ Exploitation Rate = 0.49
- ▶ Age-4 ocean harvest rate = 15.5