

Sacramento Index (SI)

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SI: historical values

SI: 2010

SI: 2011 forecast

Klamath: 2011

- ▶ The SI is an index of preseason (September 1) ocean abundance for Sacramento River fall Chinook.
- ▶ It is forecast annually prior to the March Council meeting.
- ▶ Definition:

$$SI = H_{o,S} + H_r + E$$

$H_{o,S}$ = Sept-Aug ocean harvest of SRFC south of Cape Falcon, OR

H_r = Sacramento River Basin harvest of SRFC

E = SRFC hatchery and natural-area escapement

SI time series

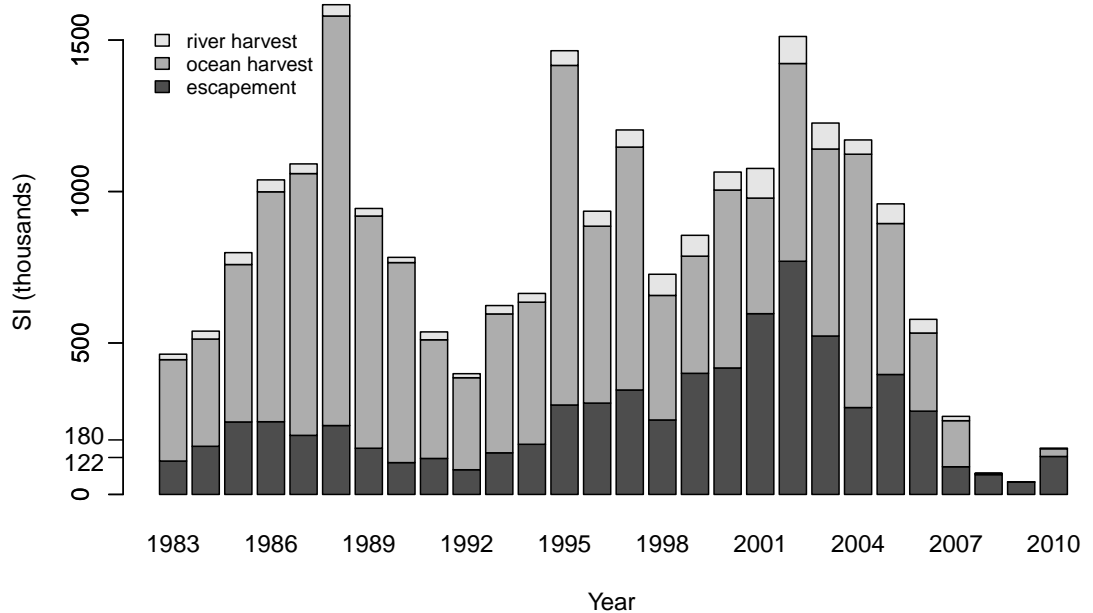
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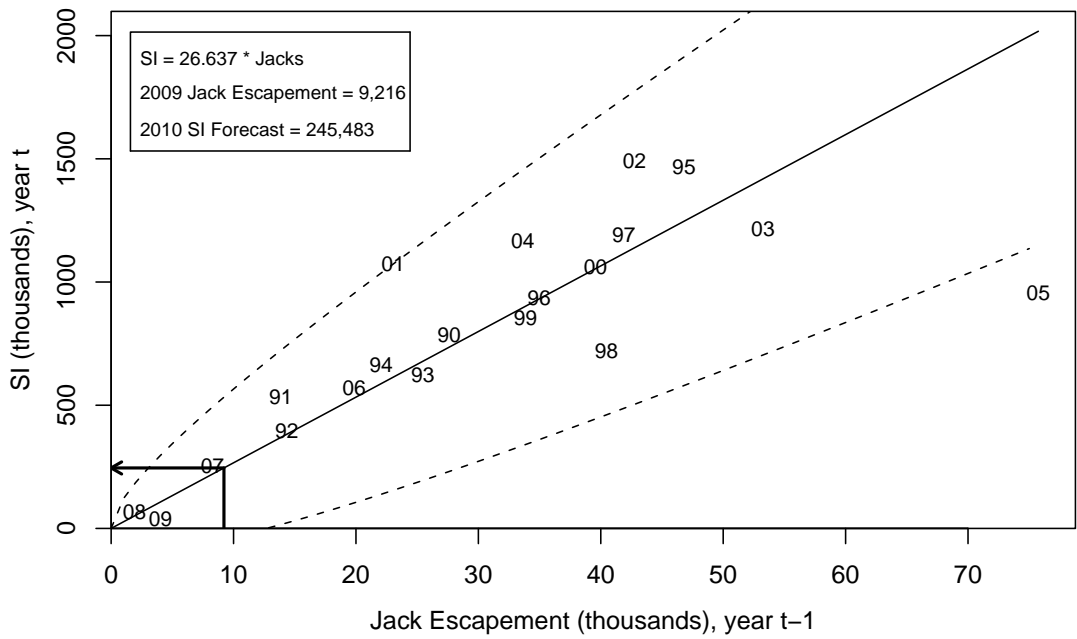
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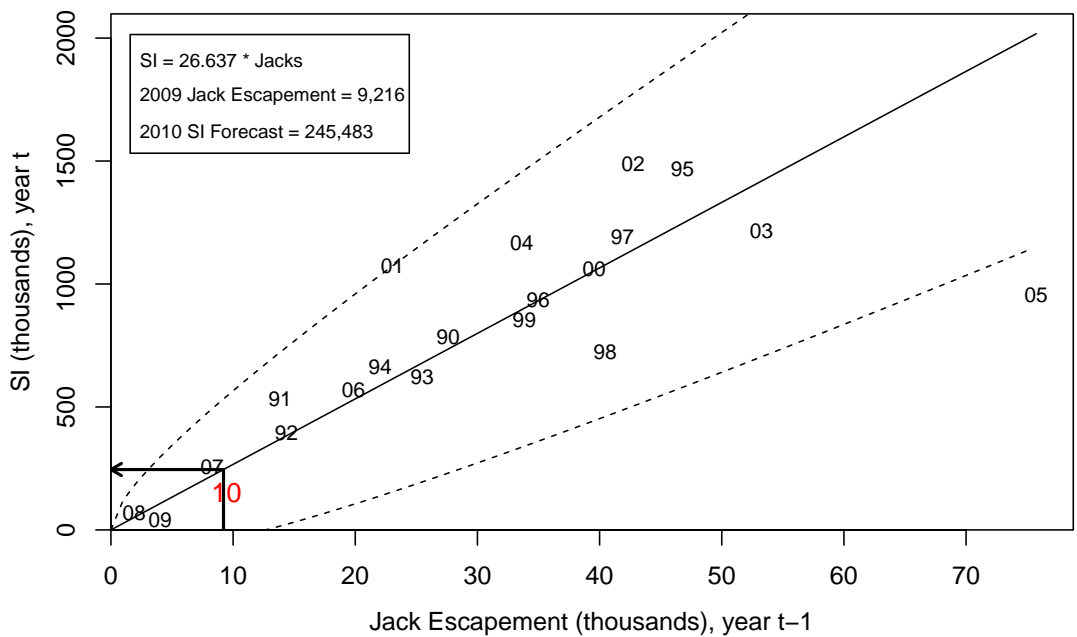
2010 SI forecast: 245,483

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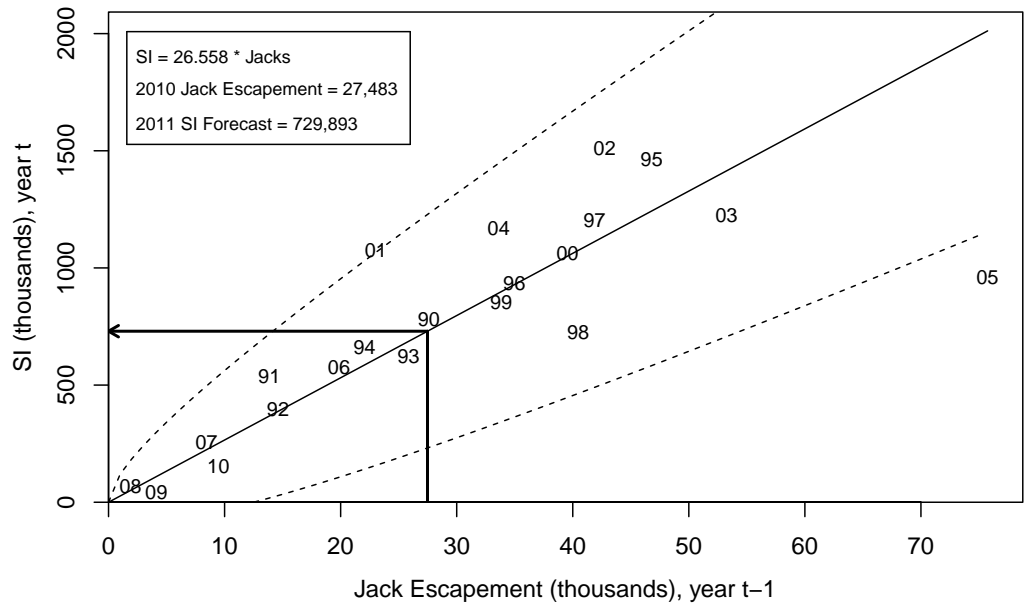
2010 SI postseason estimate: 152,857

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2011 SI forecast: 729,893

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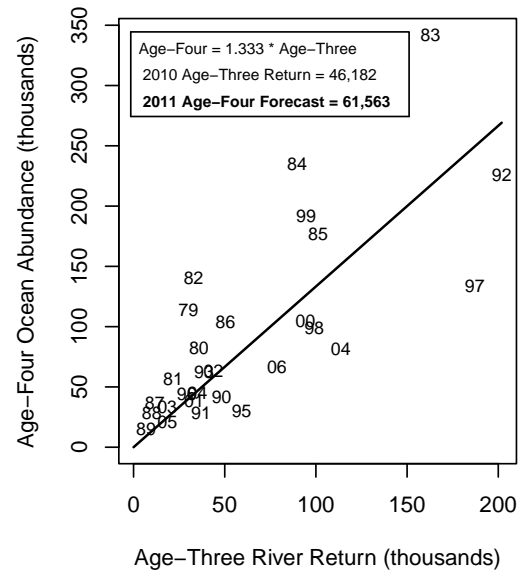
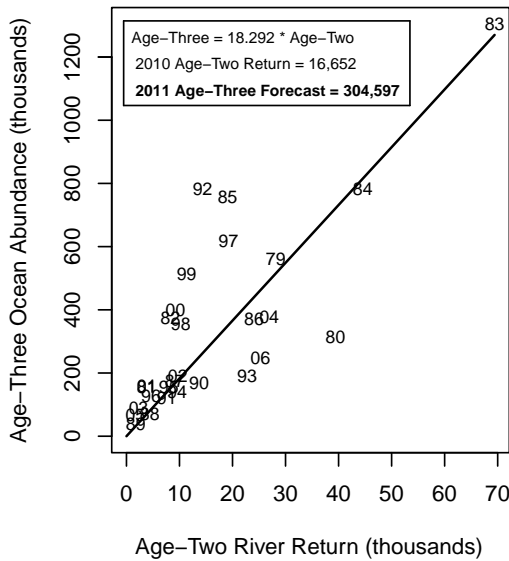


95% upper bound = 1,228,114
 95% lower bound = 231,671

75% upper bound = 1,012,867
 75% lower bound = 446,918

2011 Klamath forecast: 371,144

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KRFC 2010 abundance forecast: 331,500
 age-3: 223,400
 age-4: 106,300