

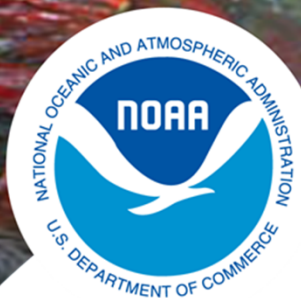
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Agenda Item D.1.a
Supplemental NMFS Presentation 1
November 2018

Three Year Review of the Lower Columbia River natural coho harvest matrix

Jeromy Jording, Sustainable Fisheries Division, Anadromous Harvest Branch

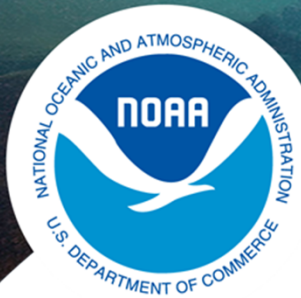


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Harvest control rule matrix

Parental Escapement (rate of full seeding)		Marine Survival Index (based on return of jacks per hatchery smolt)					
		Very Low ($\leq 0.06\%$)	Low ($\leq 0.08\%$)	Medium ($\leq 0.17\%$)	High ($\leq 0.40\%$)	Very High ($> 0.40\%$)	
Normal	≥ 0.30	10%	15%	18%	23%	30%	Allowable exploitation rate
Very Low	< 0.30	$\leq 10\%$	$\leq 15\%$	$\leq 18\%$	$\leq 23\%$	$\leq 30\%$	



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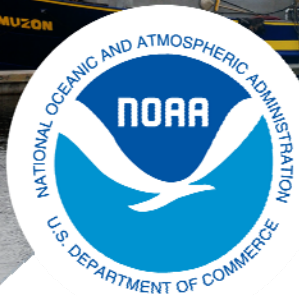
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Lower Columbia Natural coho

Results



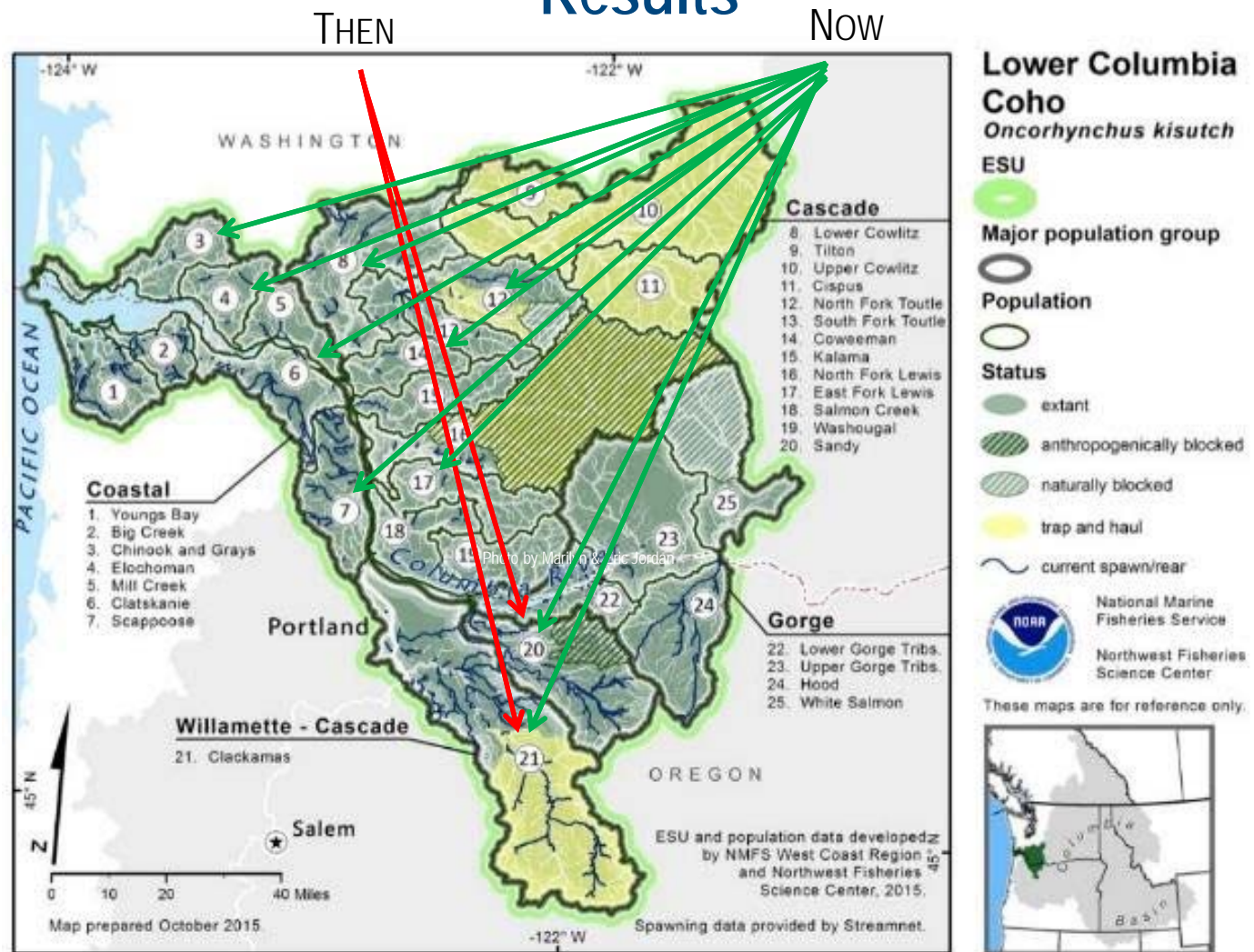
Year	Average Parental Escapement (rate of full seeding)	Marine Survival Index	Preseason LCN coho forecast	Postseason LCN coho run	Exploitation Rate limit preseason	Exploitation Rate achieved
2015	Normal	High	35,900	20,900	23.0%	24.4%
2016	Normal	Medium	40,000	16,000	18.0%	8.9%
2017	Normal	Medium	30,100	31,200	18.0%	10.8%



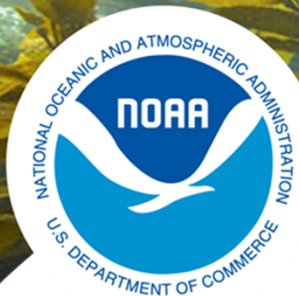
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LCR coho salmon populations

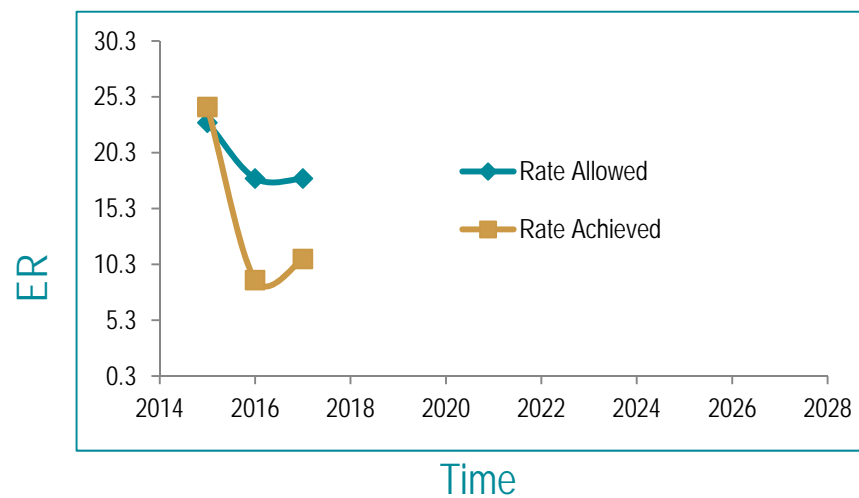


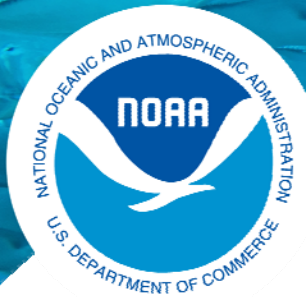
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Results

- All three years parental escapement = Normal
- Marine survival has not been below the medium
- Since 2015 ERs have been below limit by nearly 1/2





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Questions?

Please send written comments to:

Jeromy.Jording@noaa.gov

or

510 Desmond Drive SE, Suite 103
Lacey, WA 98503-1263