

# Final Stock Assessment Planning for 2017

## Prioritization Rankings and Assessment Recommendations for Pacific Coast Groundfish

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June 2016 Presentations to the  
Pacific Fishery Management Council



**NOAA  
FISHERIES**

# Overview

- **Quick review of process**
- **New information about recent survey trends**
- **Recommendations for upcoming Benchmark/Full or Update assessments**
- **Panel/species scheduling**
  - Balancing Panel workloads with likely multi-area/model assessments
  - Timing of Review Meetings

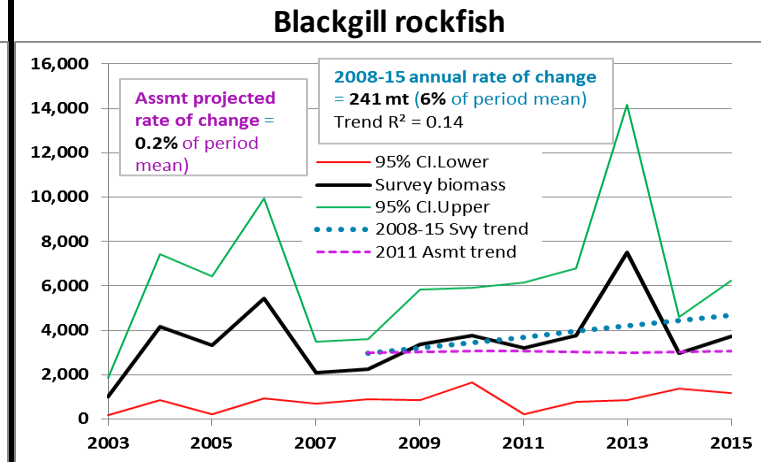
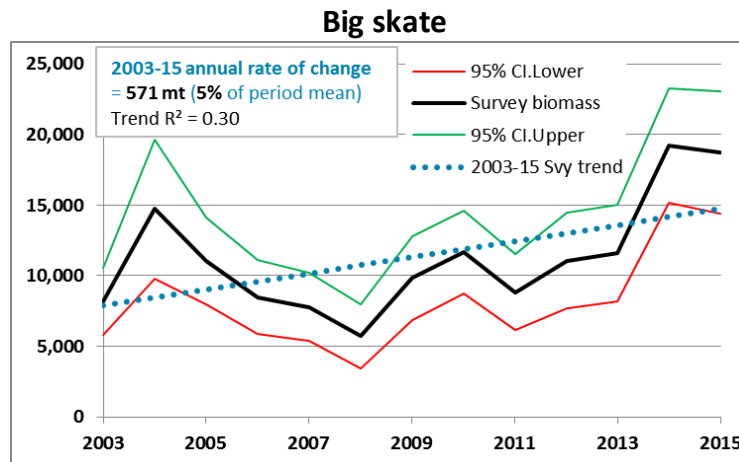
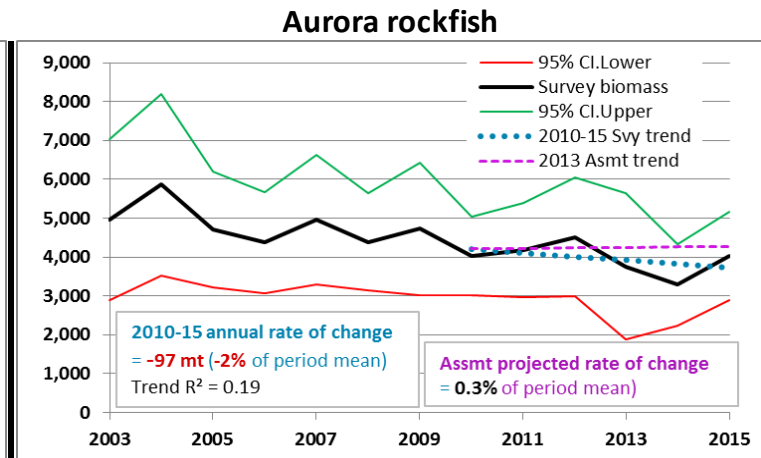
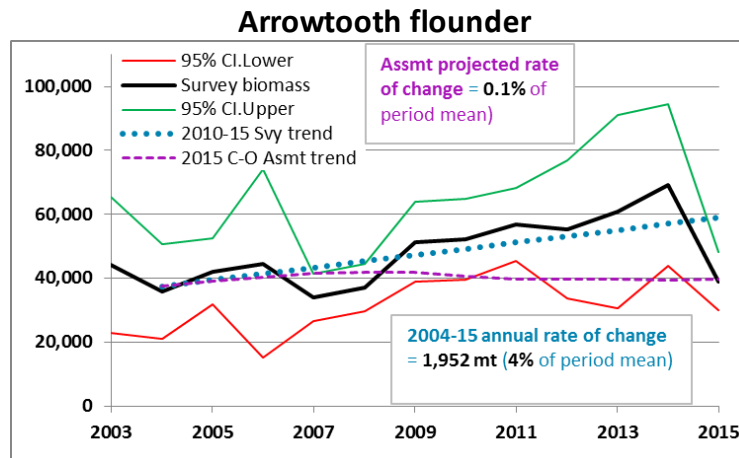
# Factor Scoring Overview

Category	Factor	Source/Basis	Range
FISHERY	Commercial Fishery Importance	Landed value (transformed)	0-10
	Recreational Fishery Importance	Landings * relative weights (transformed)	0-10
	Importance to Subsistence	Tribal comm revenue + habitat subsistence scores	0-10
	Non-Catch Value	Scuba/snorkel viewing	0-10
	Constituent Demand/Choke Stock	Constraining species; higher importance to sub-fleet or area	0-10
	Rebuilding Status	Status, rebuilding projections	0-10
STOCK	Relative Stock Abundance	Latest assessment or PSA	1-10
	Relative Fishing Mortality	Mortality reports	1-10
ECOSYSTEM	<del>Key Role in Ecosystem</del>	LATER: Link to Climate Vulnerability Asmt scores	<del>1-10</del>
ASMT	<del>Unexpected Changes in Stock Indicators</del>	LATER: Use GLMMs or survey swept-area estimates	<del>0-10</del>
	Relevant New Type of Information Available	Updated steepness, new survey, new fishery comps, issues from last assessment	0-10
	Years Assessment Overdue	Relative to Target Frequency	0-10+

Supporting data and scoring for each Factor is presented in an individual tab in the Brf. -Book Workbook

# Recent Survey Trends (and prior assessment projections)

Example figures:



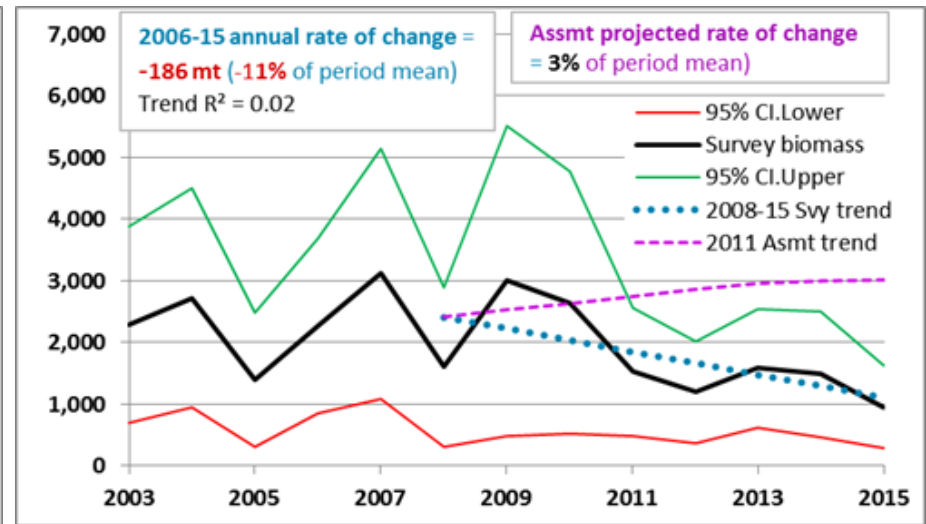
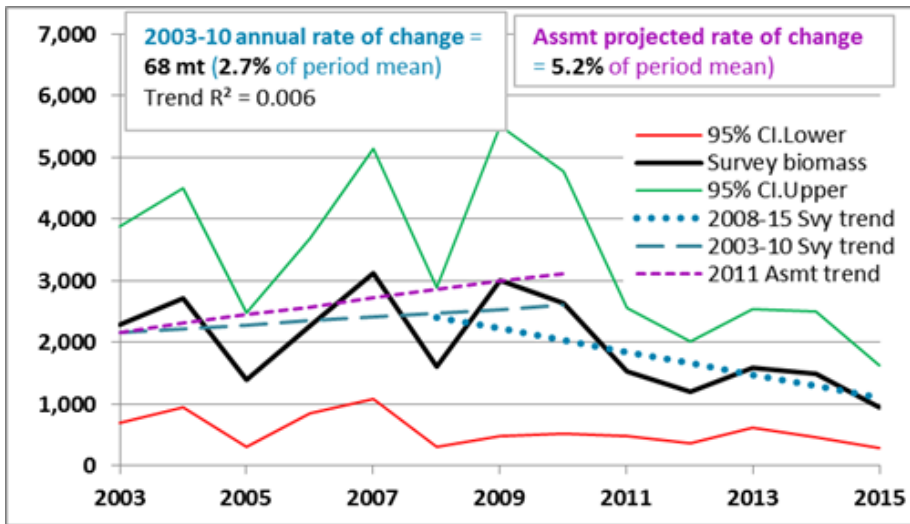
# Recent Survey Trends (and prior assessment projections)

## Summary:

Species	Annual rate of biomass change		Species	Annual rate of biomass change	
	Survey	Asmnt.		Survey	Asmnt.
Arrowtooth flounder	4%	10%	Aurora rockfish	-2%	0.3%
Big skate	5%		Blackgill rockfish	6%	20%
Curlfin sole	7%		Dover sole	-1%	-4%
English sole	15%		Flathead sole	13%	
Greenstriped rockfish	1%	3%	Greenspotted rockfish- Late	-11%	3%
Halfbanded rockfish	7%		Greenspotted rockfish- Early	3%	5%
Lingcod	1%	2%	Longnose skate	1%	-1%
Longspine thornyhead	-0.1%	0.2%	Pacific ocean perch	-3%	2%
Pacific cod	7%		Pacific sanddab	2%	
Redbanded rockfish	-2%		Rex sole	10%	
Rosethorn rockfish	0.1%		Sharpchin rockfish	14%	
Shortbelly rockfish	4%		Shortspine thornyhead	0.2%	-0.3%
Slender sole	4%		Pacific Spiny Dogfish	13%	-1%
Splitnose rockfish	-6%	8%	Stripetail rockfish	13%	
Yelloweye rockfish	4%	2%	Yellowtail rockfish	5%	-1%

# Recent Survey Trends (and prior assessment projections)

Greenspotted, early and recent:



Greenspotted is ranked #56, without consideration of recent trends

# Species Recommendations for 2017

## Full Assessments

### Recommended by the Council in April

- 1) Blue/Deacon rockfish (OR <sub>[new]</sub> + CA)
- 2) Lingcod (CA + OR/WA models)
- 3) Yelloweye rockfish (3 state areas)
- 4) Yellowtail rockfish (ADMB; 3 areas N of 40°10'; old fishery CPUE indices)
- 5) CA Scorpionfish (1 area)
- 6) POP (1 area)

## Update Assessments

### Recommended by the Council in April

- 1) Bocaccio
- 2) Darkblotched rockfish
- 3) Arrowtooth Flounder
- 4) Blackgill Rockfish

# STAR Panel Timing

## 2017 Calendar

April						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	<del>3</del>	<del>4</del>	<del>5</del>	<del>6</del>	<del>7</del>	8
9	<del>10</del>	<del>11</del>	<del>12</del>	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

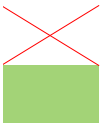
May						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	<del>22</del>	<del>23</del>	<del>24</del>	<del>25</del>	<del>26</del>	27
28	<del>29</del>	<del>30</del>	<del>31</del>			

June						
Su	Mo	Tu	We	Th	Fr	Sa
				<del>1</del>	<del>2</del>	3
4	<del>5</del>	<del>6</del>	<del>7</del>	<del>8</del>	<del>9</del>	10
11	<del>12</del>	<del>13</del>	<del>14</del>	<del>15</del>	<del>16</del>	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	<del>3</del>	<del>4</del>	<del>5</del>	<del>6</del>	<del>7</del>	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

**1 - Council Meeting**

**2 - Holiday**



Holiday or Council conflict during part of week

Recommended weeks for 3 STAR Panels



# Tentative Assignment of Species to STAR Panels

- **June 26 – 30**, likely in **Seattle** or Newport @ NWFSC
  - **Lingcod** (CA + OR/WA models)
  - **Yelloweye rockfish** (3 state areas)
- **July 10 – 14**, likely in **Seattle** @ NWFSC
  - **Yellowtail rockfish** (ADMB; 3 areas N of 40°10'; old fishery CPUE indices)
  - **POP** (1 area)
- **July 24 – 28**, likely in **Santa Cruz** @ SWFSC
  - **Blue/Deacon rockfish** (OR [new] + CA)
  - **CA Scorpionfish** (1 area)