

Puget Sound Shrimp Policy Review



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Washington Fish and Wildlife Commission Meeting

October 6, 2012

Presentation

Objectives

- Present preliminary analysis on spot shrimp fishery management options and identify any additional analysis needed

Review

- Policy review schedule
- Spot shrimp fishery management options and analysis
- Draft policy language

Schedule and Process for Updating Policy C-3610 and C-3008

June- July 2012: Commission briefing; advisory groups formed; Fish Committee discussion of potential management options.

August 2012: Commission selection of management options; Fish Committee discussion on modifications to policy language and management options based on input from advisory groups.

September 6, 2012: Commission identified four options for further analysis.

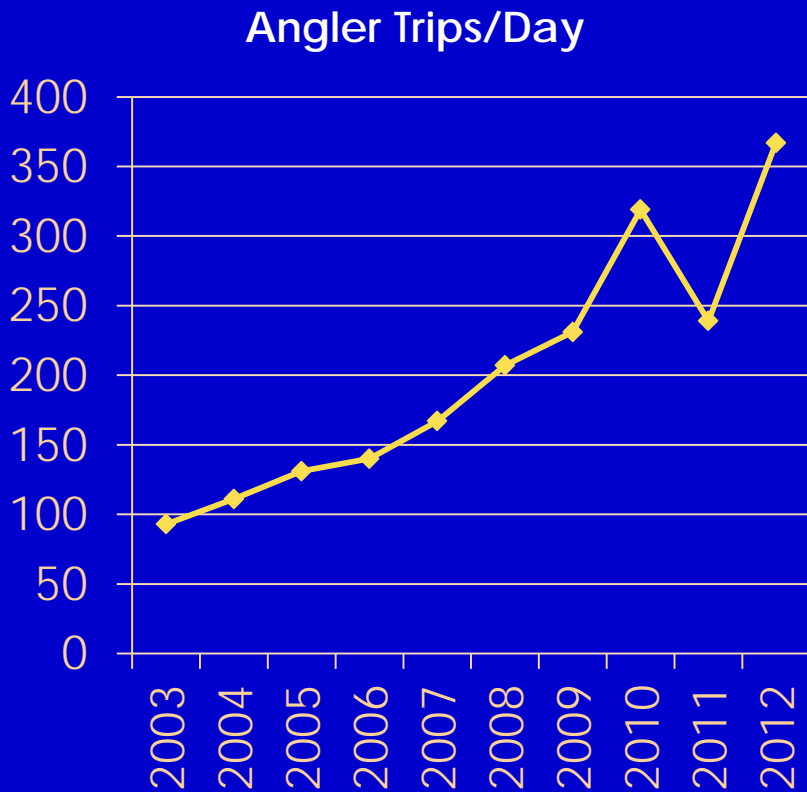
October 6, 2012: Commission briefing and public comment; preliminary analysis of management options and draft policy language.

November 2012: Commission briefing and public comment on final analysis of management options and draft policy language.

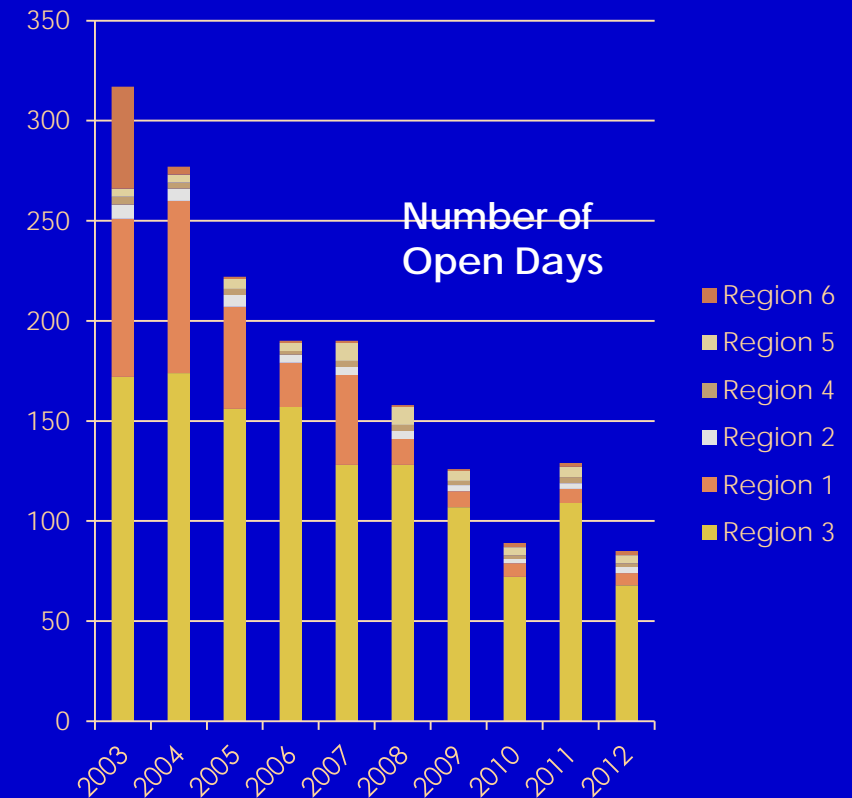
December 2012: Commission action on policy revisions.

Recreational Fishery – Management Challenges

Recreational Participation Increasing



Recreational Opportunity Declining



Major Policy Elements

Proposed Puget Sound Shrimp Policy

- Provides for conservation measures and resource protection.
- Defines recreational and commercial allocation of spot shrimp in Puget Sound.
- Provides management guidelines for sharing within each region that results in meeting the overall spot shrimp allocation objective (using the 2012 quotas).
- Describes adjustment procedure for regional guidelines to maintain an overall allocation objective.

Conservation and Fishery Management

- Fishery closure during egg bearing period (October-April).
- Minimum pot mesh size protects small spot shrimp to allow for spawning.
- Time, area and depth restrictions for non-spot fishery restrictions.
- Annual State-Tribal harvest management agreements.
- Fishery quota management.
- Fishery quotas are evaluated and adjusted annually using log book information and test fishery data.

Spot Shrimp Fishery and Puget Sound Allocation Options

Option 1 status quo

Provides 50% of the state quota to the recreational fishery

Option 2 (new option established at September meeting)

Provides 65% of the state quota to the recreational fishery

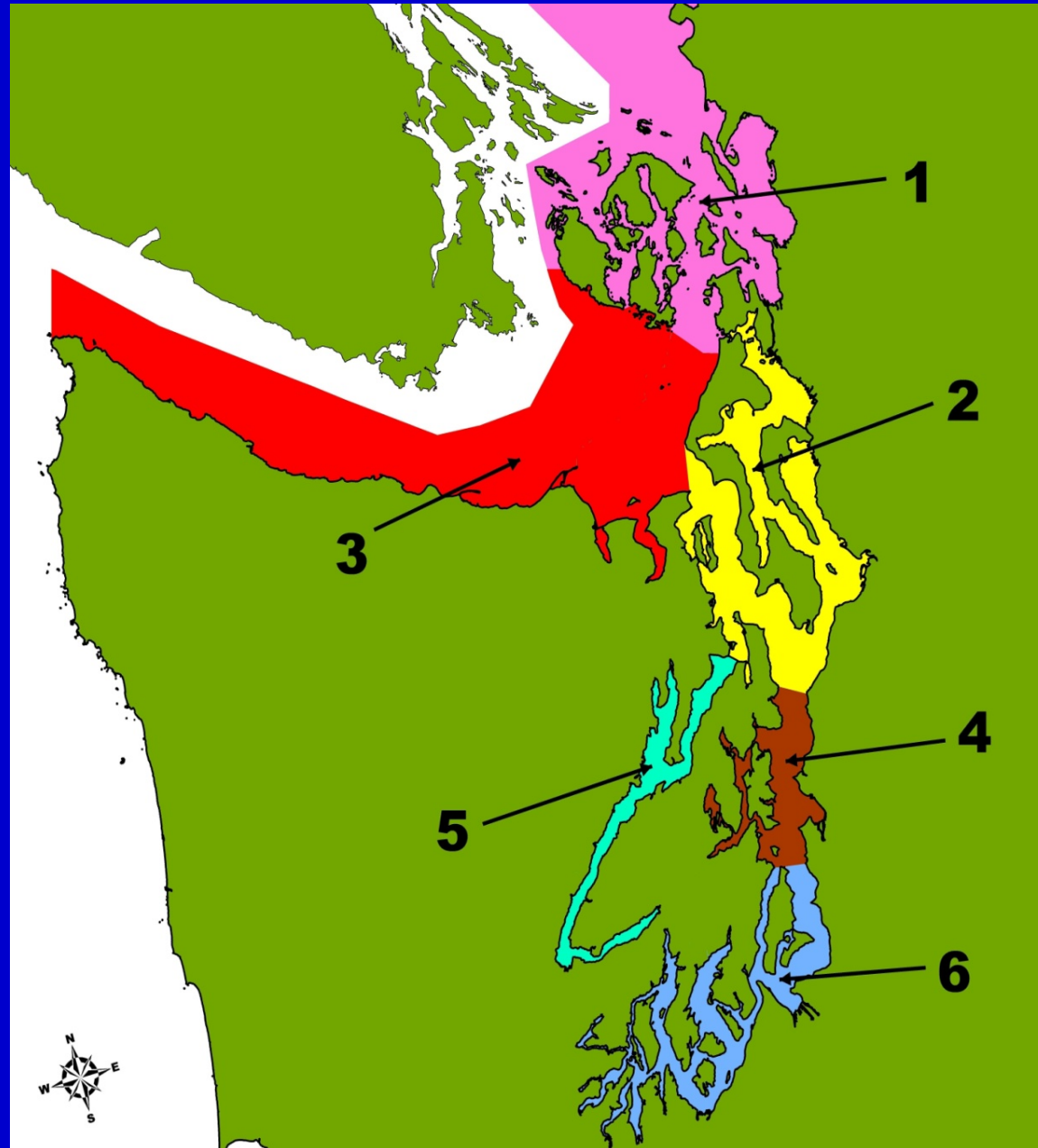
Recreational advisors recommendation

Provides 75% of the state quota to the recreational fishery

Commercial advisors recommendation

Provides 56% of the state quota to the recreational fishery

Six Spot Shrimp Fishery Management Regions



Percentage Allocated to the Recreational Fishery by Management Option

Region	Option 1*	Option 2	Recreational Advisors	Commercial Advisors
1	15	50	90	20
2	60	100	100	100
3	15	23	30	12
3 Disc Bay	100	100	100	100
4	60	100	100	100
5	100	100	100	100
6	40	100	100	100
All Regions Combined	50	65	75	56

*Option 1 represents current policy objectives

Regional Allocation and Projected Recreational Harvest

Data based on 2012 fishery quotas

Region	Option 1* Pounds	Option 2 Pounds	Recreational Advisors Pounds	Commercial Advisors Pounds
1	6,900	23,000	41,400	9,200
2	15,300	25,500	25,500	25,500
3	13,200	20,240	26,400	10,560
3 Disc Bay	2,000	2,000	2,000	2,000
4	6,000	10,000	10,000	10,000
5	85,000	85,000	85,000	85,000
6	1,600	4,000	4,000	4,000
Overall Recreational	130,000	169,740	194,300	146,260
Overall Commercial	130,500	90,760	66,200	114,240

*Option 1 represents current policy objectives

Allocation Adjustment Procedure Example - Using Option 2

Option 2 – a 65%-35% Puget Sound-wide general allocation objective

- Recreational fisheries will be designed to take a percentage of the state's spot shrimp quota from each management region. To achieve the general allocation objective, recreational harvest greater or less than the regional percentage can occur. Sharing within Region 3 will be adjusted annually to ensure the Puget Sound general allocation objective is attained.

Example –

- Assume Region 3 receives a quota increase of 15,000 lbs - because the recreational fishery allocation under Option 2 in Region 3 is 23%, this results in a shift to a 64% recreational - 36% commercial Puget Sound-wide allocation percentage.
- To rebalance, the Region 3 recreational share would be increased from 23% to 25%, increasing the projected season there by 18 days and resulting in a return to the 65%-35% general allocation objective.

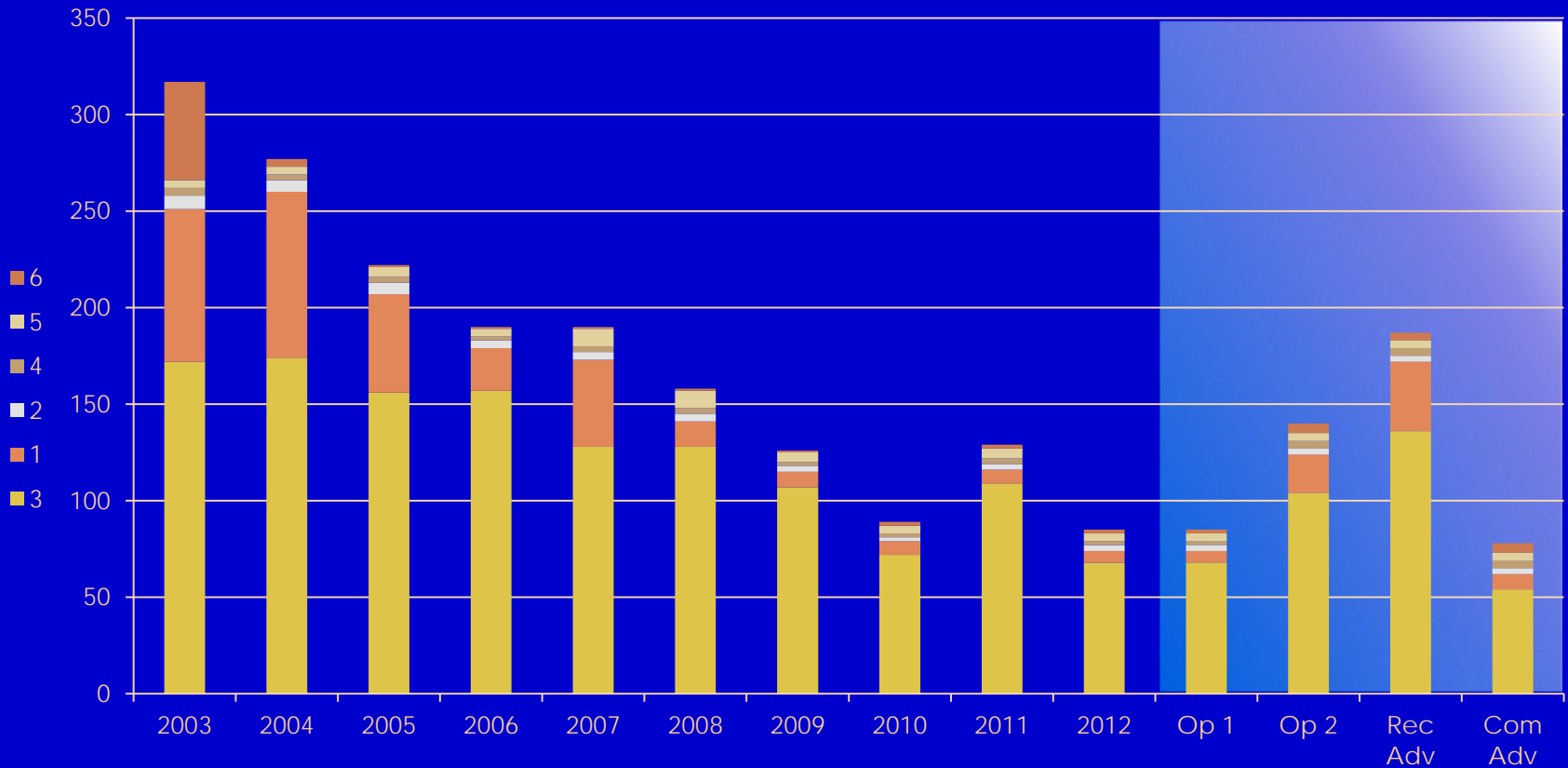
Projected Recreational Harvest Days

Data based on 2012 fishery quotas

Annual variations in the actual number of open days is anticipated

Region	Option 1 50 % Rec	Option 2 65 % Rec	Recreational Advisors 75 % Rec	Commercial Advisors 56 % Rec
1	6	20	36	8
2	2	3	3	3
3	68	104	136	54
3 Disco	4	5	5	5
4	2	4	4	4
5	4	4	4	4
6	2	5	5	5

Number of Recreational Open Days and Projected Open Days for the Four Allocation Options



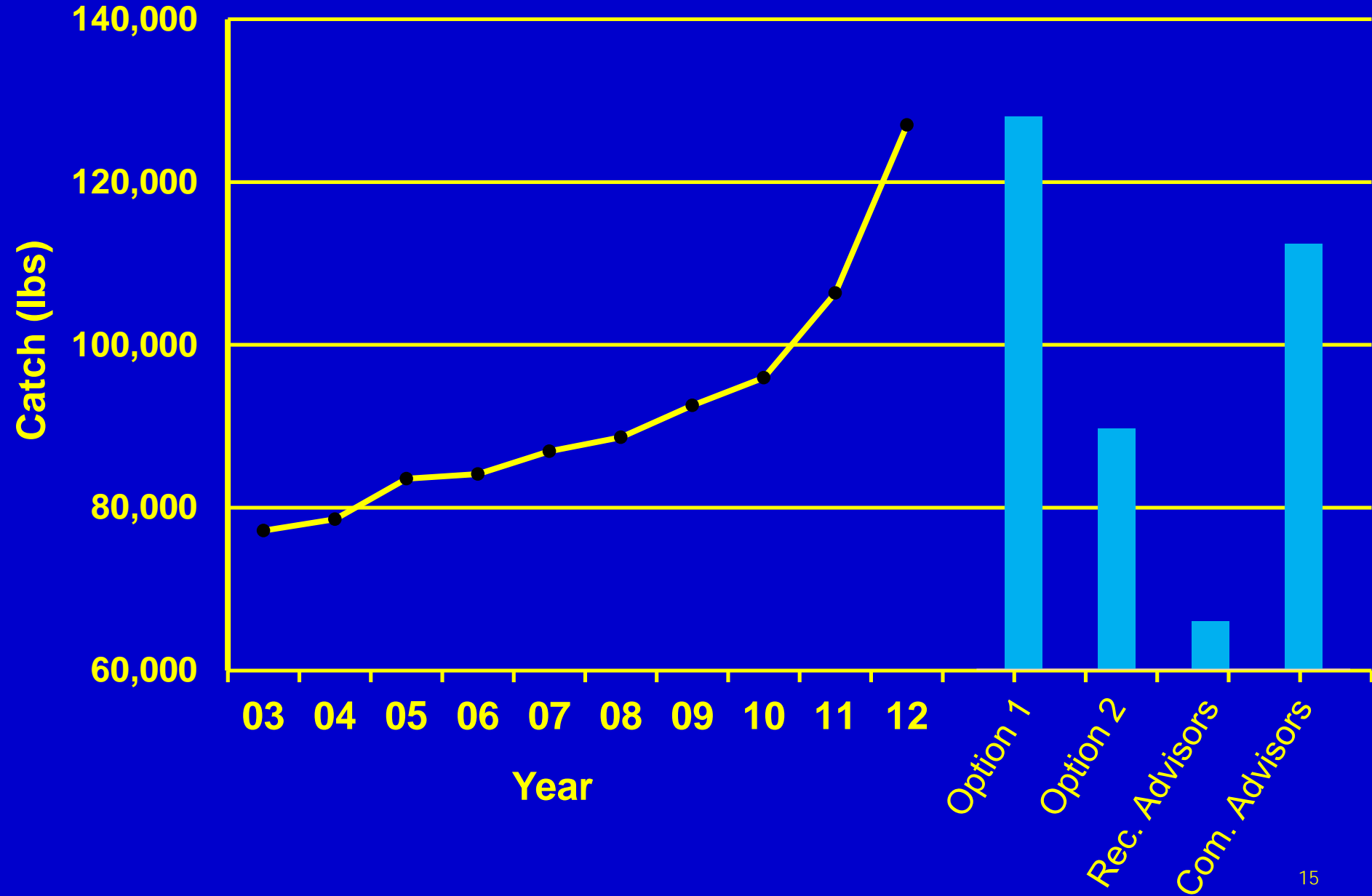
Estimated Number of Spot Shrimp Angler Trips and Value

Data based on 2012 fishery

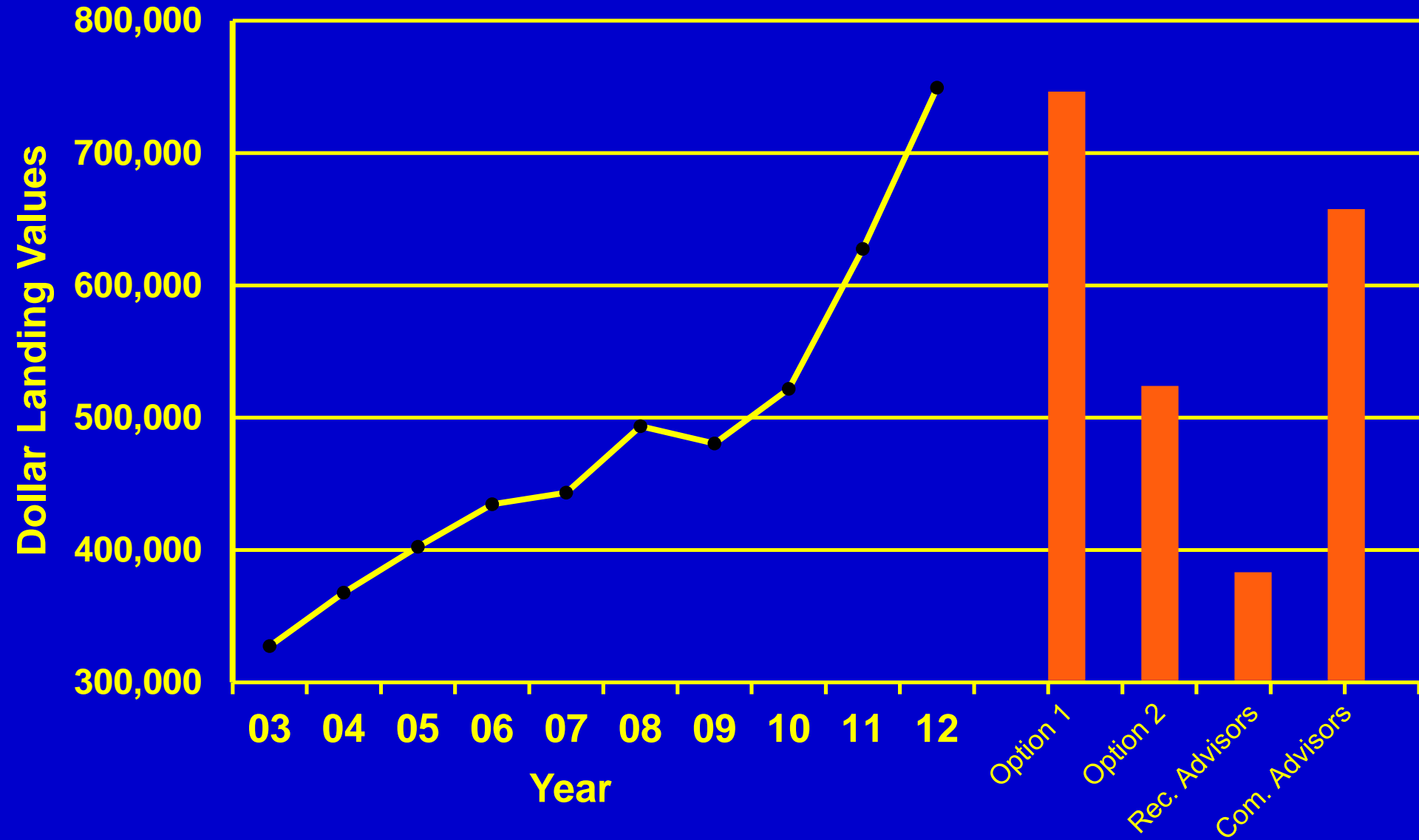
	Estimated angler trips	Estimated net economic value based on \$43 per angler day or trip
Option 1	31,182	\$1,340,826
Option 2	40,705	\$1,750,315
Recreational Advisors Recommendation	46,595	\$2,003,585
Commercial Advisors Recommendation	35,074	\$1,508,182

Net economic value per angler trip taken from: *Economic Analysis of the Non-Treaty Commercial and Recreational Fisheries in Washington State (2008)*

Total Catch for the Puget Sound Commercial Spot Shrimp Fishery (2003-2011) and Projected Catch



Ex-Vessel Landing Values for the Puget Sound Commercial Shrimp Fishery (2003-2012) and Projected Landing Value for four Management Options



Ex-vessel values were adjusted to 2011 dollars using a Consumer Price Index (CPI) conversion maintained by the United States Department of Labor Statistic

Average Spot Shrimp Catch for California, Oregon, and Washington Fisheries 2009-2011 (lbs)

CA	OR	WA Coast Com	WA Puget Sound Com	WA Puget Sound Rec	Puget Sound Treaty	Total Catch All Fisheries
316,186	14,128	104,702	98,304	123,197	214,976	871,492

Other West Coast -

- B.C. – 4,500,000
- Alaska – 800,000

Next Steps

- October 2012: Commission Discussion; Additional analysis; public comment.
- November 2012: Commission briefing and public comment.
- December 2012 :Commission action on policy revisions.

Questions

