

Natural and Environmental Resource Economics, Markets and Policy

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Natural and Environmental Resource Economics, Markets and Policy

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
605	Natural Resource and Environmental Economics	25%		25%	
606	International Trade and Development	25%		25%	
609	Economic Theory and Methods	25%		25%	
610	Domestic Policy Analysis	25%		25%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	2.0	0.0
Actual	0.0	0.0	2.4	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c 0	1890 Extension 0	Hatch 192502	Evans-Allen 0
1862 Matching 0	1890 Matching 0	1862 Matching 184602	1890 Matching 0
1862 All Other 0	1890 All Other 0	1862 All Other 0	1890 All Other 0

V(D). Planned Program (Activity)

1. Brief description of the Activity

The programs include:
Optimized rotational management approaches for sea scallops;

Estimate the economic impact

- of salmon aquaculture on the Alaska wild salmon industry in Bristol Bay. Evaluation of the economic potential for off-shore bluefin tuna farming in the U.S. Game theoretical model of lobbying for regulatory restrictions in common resource problems,

uch as fisheries.

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2. Brief description of the target audience

The target audience includes fishers, environmental economists, and policy makers.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	25	500	0	0
2008	32	700	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008:	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	2	2

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Peer reviewed publications

Year	Target	Actual
2008	4	2

Output #2

Output Measure

Books and monographs

Year	Target	Actual
2008	1	0

Output #3

Output Measure

Abstracts

Year	Target	Actual
2008	5	5

Output #4

Output Measure

Conference proceedings

Year	Target	Actual
2008	2	2

Output #5

Output Measure

M.S. theses and Ph.D. dissertations

Year	Target	Actual
2008	3	3

Output #6

Output Measure

Professional/scientific presentations

Year	Target	Actual
2008	5	11

Output #7

Output Measure

Student training

Year	Target	Actual
2008	5	6

V(G). State Defined Outcomes

O No.	Outcome Name
1	M.S. and Ph. D. degree conferrals (#)
2	Estimate the spatial decision process of fisherman within the herring industry.
3	Expand seafood markets by development of new marketing ideas.
4	Identification of market niches for seafood
5	Development of decision tools to integrate management and marketing of seafood.
6	Development of alternative seafood products.
7	Increase understanding of scientists and decision makers through publications and presentations of the outcomes of game theoretical models to identify fisheries where political intervention is likely based on the degree of heterogeneity among harvesters.
8	Increase understanding of private and public sector of economic and market factors in fisheries and aquaculture management through publications and presentations.

Outcome #1

1. Outcome Measures

Not reporting on this Outcome for this Annual Report

2. Associated Institution Types

3a. Outcome Type:

3b. Quantitative Outcome

Year	Quantitative Target	Actual
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3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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V(H). Planned Program (External Factors)

External factors which affected outcomes

Natural Disasters (drought, weather extremes, etc.)

Economy

Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

Before-After (before and after program)

During (during program)

Case Study

Evaluation Results

Key Items of Evaluation