

State of Alaska FY2006 Governor's Operating Budget

Department of Fish and Game State Subsistence Component Budget Summary

Component: State Subsistence

Contribution to Department's Mission

Compile existing data and conduct studies to gather current information on all aspects of the role of subsistence hunting and fishing in the lives of Alaska residents in order to implement the state's subsistence priority law.

Core Services

- Quantify the amount, nutritional value, and extent of dependency on food acquired through subsistence hunting and fishing.
- Assist ADF&G, the Board of Fisheries and Game in determining what uses of fish and game, as well as which users and methods, should be termed subsistence uses, users and methods.
- Research and provision of information so that state regulations provide reasonable opportunity for customary and traditional uses based on board-recognized harvest amounts necessary for subsistence uses.
- Make recommendations to the Board of Fisheries and the Board of Game regarding adoption, amendment, and repeal of regulations affecting subsistence hunting and fishing.
- Evaluate the impact of state and federal laws and regulations on subsistence hunting and fishing and, when corrective action is indicated, make recommendations to ADF&G.
- Research and provision of information for formulation of state subsistence law and policy.
- Participate with other divisions in the preparation of statewide and regional multiple use management plans so that those plans recognize and incorporate subsistence uses of fish and game.
- Make information gathered available to the public, appropriate agencies, and other organized bodies.
- Research and provision of information for the federal subsistence management program.
- Research and provision of information on contamination, health, and safety of subsistence food products.
- Research and provision of information on subsistence uses of marine mammals, migratory birds, and halibut (species not managed by the state).

End Results	Strategies to Achieve Results
<p>A: Accurate, comprehensive, and current research and information on subsistence uses of fish and wildlife in Alaska's communities.</p> <p><u>Target #1:</u> Increase the percentage of Alaskan communities with current information, by an average of 5% each year for five years.</p> <p><u>Measure #1:</u> Number and percentage of Alaskan communities in which comprehensive current fisheries and wildlife harvest data are collected and reported.</p>	<p>A1: Compile existing data and conduct studies and research to gather information on the role of subsistence hunting and fishing for Alaskans.</p> <p><u>Target #1:</u> Increase the percentage of studies of subsistence use in Alaskan communities by an average of 5% each year for five years.</p> <p><u>Measure #1:</u> Number and percent of studies of subsistence use in Alaskan communities.</p> <p>A2: Assist the Board of Fisheries and the Board of Game to determine which uses, users and methods should be identified as subsistence.</p> <p><u>Target #1:</u> Provide analyses on 100% of public proposals which focus on identifying subsistence uses, users, and methods.</p> <p><u>Measure #1:</u> Number and percentage of relevant proposals analyzed for the Board of Fisheries and Board of Game.</p> <p>A3: Make recommendations to the Board of Game, the Board of Fisheries, the Federal Subsistence Board, and the department regarding proposed laws and proposed regulations affecting subsistence</p>

	<p>hunting and fishing.</p> <p><u>Target #1:</u> Provide recommendations on 100% of relevant proposals.</p> <p><u>Measure #1:</u> Number and percentage of proposals receiving recommendations.</p> <p>A4: Develop findings of Amounts Necessary For Subsistence (ANS) and provide to the Board of Fisheries and Board of Game.</p> <p><u>Target #1:</u> Add or revise ANS findings as new information warrants.</p> <p><u>Measure #1:</u> Number and percentage of new and revised findings of ANS.</p>
End Results	Strategies to Achieve Results
<p>B: Ensure that state management of subsistence provides opportunity for Alaskans' uses as provided by Alaska's state subsistence law.</p> <p><u>Target #1:</u> Evaluate effects and make recommendations on 100% of those proposed laws and regulatory actions that would affect subsistence hunting and fishing.</p> <p><u>Measure #1:</u> Number and percentage of state and federal laws, regulations, and proposals regarding subsistence which are reviewed before action by the state and federal boards.</p>	<p>B1: Quantify the amount, nutritional value, and extent of dependence on food acquired through subsistence hunting and fishing.</p> <p><u>Target #1:</u> Update the current community subsistence information in the Community Profile Data Base, an online public information resource, by an average of 5% each year for five years.</p> <p><u>Measure #1:</u> Number and percentage of communities for which information is updated</p> <p>B2: Provide current subsistence use information to the public, appropriate agencies, and other organizations.</p> <p><u>Target #1:</u> Produce new technical reports and related updates of current subsistence information; add at least five per year to the statewide technical report series.</p> <p><u>Measure #1:</u> Number of technical reports produced and distributed to the public</p> <p>B3: Actively participate in preparing statewide and regional fish and wildlife management plans to ensure that current subsistence use information is incorporated.</p> <p><u>Target #1:</u> Incorporate current subsistence use information into 100% of the management plans in development for fish stocks and game populations subject to subsistence use.</p> <p><u>Measure #1:</u> Number and percentage of plans for which current subsistence use information is incorporated.</p>

Major Activities to Advance Strategies	
<ul style="list-style-type: none"> • Research and develop subsistence policy recommendations to Boards of Fisheries and Game, Regional Advisory Councils, and the Federal Subsistence Board • Monitor and conduct research on subsistence harvests. 	<ul style="list-style-type: none"> • Update and maintain community database of subsistence harvests and uses. • Publish and distribute subsistence information. • Conduct research regarding subsistence food security and purity (e.g., biosampling). • Train local field technicians for harvest and use

Major Activities to Advance Strategies

- Monitor subsistence uses, such as personal and family use, sharing, barter and trade.
- Map community subsistence use areas.
- Produce ethnographies on all aspects of the role of subsistence in community economies.
- Produce impact statements analyzing subsistence laws and regulations.
- surveys and other projects.
- Participate in initiatives where subsistence information is essential, such as salmon disaster response and childhood anemia mitigation.

FY2006 Resources Allocated to Achieve Results

FY2006 Component Budget: \$4,411,700

Personnel:

Full time	28
Part time	9
Total	37

Performance Measure Detail

A: Result - Accurate, comprehensive, and current research and information on subsistence uses of fish and wildlife in Alaska's communities.

Target #1: Increase the percentage of Alaskan communities with current information, by an average of 5% each year for five years.

Measure #1: Number and percentage of Alaskan communities in which comprehensive current fisheries and wildlife harvest data are collected and reported.

Analysis of results and challenges: The division reviewed the types of research and information developed since its inception. In the 1980's, first decade of operation, much of the work was on community-based, intensive ethnographies documenting and exploring the dynamics of comprehensive hunting, fishing, gathering, wage employment and the other sources of income. This baseline information is crucial for designing the effective implementation of the state's subsistence priority law. As the database grew in breadth and depth, and as budgets decreased in the 1990s, the division's work more commonly focused on issue or resource specific questions related to allocation conflicts, development planning and impacts, and management planning. The graphic at the link below shows the total number of communities for which there is ether comprehensive or focused information. Work on gathering baseline data and reporting results is currently in progress, as evidenced by the output of technical papers.

A1: Strategy - Compile existing data and conduct studies and research to gather information on the role of subsistence hunting and fishing for Alaskans.

Target #1: Increase the percentage of studies of subsistence use in Alaskan communities by an average of 5% each year for five years.

Measure #1: Number and percent of studies of subsistence use in Alaskan communities.

Analysis of results and challenges: The division reviewed the types of research and information developed since its inception. In the 1980's, first decade of operation, much of the work was on community-based, intensive ethnographies documenting and exploring the dynamics of comprehensive hunting, fishing, gathering, wage employment and the other sources of income. This baseline information is crucial for designing the effective implementation of the state's subsistence priority law. As the database grew in breadth and depth, and as budgets decreased in the 1990s, the division's work more commonly focused on issue or resource specific questions related to the allocation conflicts, development planning and impacts, and management planning. The

graphic at the link below shows the total number of communities for which there is either comprehensive or focused information. Work on gathering baseline data and reporting results is currently in progress, as evidenced by the output of technical papers.

A2: Strategy - Assist the Board of Fisheries and the Board of Game to determine which uses, users and methods should be identified as subsistence.

Target #1: Provide analyses on 100% of public proposals which focus on identifying subsistence uses, users, and methods.

Measure #1: Number and percentage of relevant proposals analyzed for the Board of Fisheries and Board of Game.

Analysis of results and challenges: The division continues to address every proposal that impacts subsistence opportunity. This measure has been met.

A3: Strategy - Make recommendations to the Board of Game, the Board of Fisheries, the Federal Subsistence Board, and the department regarding proposed laws and proposed regulations affecting subsistence hunting and fishing.

Target #1: Provide recommendations on 100% of relevant proposals.

Measure #1: Number and percentage of proposals receiving recommendations.

Analysis of results and challenges: The division continues to address every proposal that impacts subsistence opportunity. This measure is being met.

A4: Strategy - Develop findings of Amounts Necessary For Subsistence (ANS) and provide to the Board of Fisheries and Board of Game.

Target #1: Add or revise ANS findings as new information warrants.

Measure #1: Number and percentage of new and revised findings of ANS.

Analysis of results and challenges: The division has been reviewing all past ANS findings as part of the coordinated effort with the Federal Office of the Subsistence Management. The plan is for the federal program to utilize the state's findings in its own management system. The state's review includes an evaluation of the quality and quantity of information as well as identifying gaps. This measure is being met.

B: Result - Ensure that state management of subsistence provides opportunity for Alaskans' uses as provided by Alaska's state subsistence law.

Target #1: Evaluate effects and make recommendations on 100% of those proposed laws and regulatory actions that would affect subsistence hunting and fishing.

Measure #1: Number and percentage of state and federal laws, regulations, and proposals regarding subsistence which are reviewed before action by the state and federal boards.

Analysis of results and challenges: The division has reviewed all proposed laws and regulatory actions as they are submitted for possible impacts to subsistence, such as proposed subsistence halibut regulations in this current regulatory cycle. This measure is being met.

B1: Strategy - Quantify the amount, nutritional value, and extent of dependence on food acquired through subsistence hunting and fishing.

Target #1: Update the current community subsistence information in the Community Profile Data Base, an online public information resource, by an average of 5% each year for five years.

Measure #1: Number and percentage of communities for which information is updated

Analysis of results and challenges: The division has not been able to update the Community Profile Data Base since 2002, and that update was with 2000 data. Maintaining this database requires major resources that are currently not available. The division has identified a plan to incrementally address this backlog, starting with upgrading the database platform and increasing efficiency of the analysis process so that this step is more easily integrated. The division is not meeting this target.

B2: Strategy - Provide current subsistence use information to the public, appropriate agencies, and other organizations.

Target #1: Produce new technical reports and related updates of current subsistence information; add at least five per year to the statewide technical report series.

Measure #1: Number of technical reports produced and distributed to the public

Analysis of results and challenges: Updates of the Community Profile Data Base have lagged because the division lacks the resources to maintain its currency. Division staff do provide the most current information through public review drafts and completed technical reports to those who request this information. However, for universities and contract entities, such as other resource agencies that are accustomed to having access to this information in data base form for further comparison and analysis, we are not able to keep up with this demand. Division staff have had to provide this information piecemeal in an inefficient way. We are working on a process to update the database, (see B1).

B3: Strategy - Actively participate in preparing statewide and regional fish and wildlife management plans to ensure that current subsistence use information is incorporated.

Target #1: Incorporate current subsistence use information into 100% of the management plans in development for fish stocks and game populations subject to subsistence use.

Measure #1: Number and percentage of plans for which current subsistence use information is incorporated.

Analysis of results and challenges: The division is involved in management plans as requested, where subsistence information is needed. For example, the division received an RSA from DOTPF to compile existing information and conduct surveys for current information as part of proposed road development in the Kuskokwim basin. The division is also involved in studies related to the proposed Pebble Creek mine in Bristol Bay. This target is being met.

Key Component Challenges

- Repair and update, using essential GF increment, the division's statewide community harvest database to current standards, and research results to meet statutory responsibilities supporting Board of Fisheries and Game.
- Prioritize decreasing fiscal resources to ensure that the state subsistence priority law is fully implemented.
- Consolidate multiple project goals and objectives so that as much relevant data as possible is collected to maintain a current subsistence database.
- Prioritize regional updates of subsistence harvest and use information so that regions with the most outdated information and the most pressing subsistence issues are addressed.
- Assist the Board of Game and Board of Fisheries in reviewing customary and traditional use, and Amount Necessary for Subsistence findings for fish stocks and game populations subject to subsistence uses, especially for controversial species.
- Respond to subsistence lawsuits, such as the Manning Case which challenges the state Tier II permit regulations. This involves analysis and comparison of fish and wildlife harvest and use patterns of rural and urban residents.
- Strengthen the state's presence and role in the federal subsistence management process to prevent federal intrusion in state management of resources and harvest. Dual state-federal management of subsistence hunting began in 1990 followed by fishing in 1999. This has led to increasingly divergent regulations for state and federal subsistence hunts and fisheries. The division is the department's liaison with the federal subsistence program. This role has increased in complexity and depth throughout the department as federal subsistence management gets entrenched.
- Address subsistence proposals before the state Boards of Fisheries and Game, and the Federal Subsistence Board. Dual state-federal subsistence management has added a necessary coordination role to subsistence proposal impact analysis.

- Assist the Alaska Native Harbor Seal Commission in developing the capacity to assume annual subsistence harvest monitoring of harbor seals.
- Assist other marine mammal commissions in developing cost effective and accurate harvest monitoring programs.
- Assist the Migratory Bird Co-Management bodies in developing cost-effective and accurate subsistence migratory bird harvest monitoring programs in their respective regions.
- Respond to requests for research collaboration with universities and other entities in a manner that does not detract from our legal mandate, but enhances the knowledge base of subsistence economies in a modern context.
- Assert changes to customary trade provisions in federal regulations to be based on sound science and accurate documentation statewide.

Significant Changes in Results to be Delivered in FY2006

For 2006, reductions in expected RSAs from other divisions and agencies will require efficiencies, similar to measures implemented in FY05.

Major Component Accomplishments in 2004

Reports Completed: Division staff completed seven technical papers, with four more under review, 18 special reports, including one CD-ROM, as well as periodic updates to statewide (Community Profile Database, Alaska Subsistence Fisheries Database) and regional (Traditional Ecological Knowledge Database Development for Koyukuk River Drainage Non-Salmon Fish) databases. Databases developed in FY04: Subsistence Harvest of Halibut in AK, Subsistence Migratory Bird Harvest, Big Game database for BLM and Marine Mammals. Technical paper and special reports profiled subsistence harvest and use information in selected communities (50 communities) as well as resources-specific analysis of harvest of salmon, marine mammals and migratory birds throughout the state, and Exxon Valdez oil spill impact related studies.

Fish and Game Boards Support: The division provided information to the boards of Fisheries and Game as they deliberated on numerous proposals and reviewed and acted on customary and traditional use and amount reasonably necessary for subsistence determinations in several areas of the state. The Board of Game addressed 78 subsistence proposals for goat, moose, wolf and caribou populations in Southeast, Southcentral, and Southwest regions. The Board of Fisheries addressed 21 subsistence proposals and customary and traditional determinations for salmon, herring, halibut, eulachon and various freshwater fish stocks in Southeast, Southcentral and Prince William Sound regions, as well as shellfish stocks statewide. The board reversed a customary and traditional use finding for Chitina subdistrict salmon after reviewing new information from a division study of subsistence salmon use patterns in the Copper River drainage.

Liaison with the Federal Subsistence Program: The division is the liaison for the department with the federal Office of Subsistence Management. This requires coordination of state proposal comments and requests for reconsideration of federal actions. In 2004, there were 40 fishery and 55 wildlife proposals to the federal subsistence program addressing subsistence hunts and fisheries throughout the state. These included customary and traditional use determinations for moose in the lower Yukon, subsistence opportunity and regulations for deer in Southeast, and subsistence fisheries on the Yukon, Kuskokwim and Arctic regions. The division provided comments for the request for reconsideration of two federal regulations: one to allow customary trade of subsistence fish, which was rejected, and another to allow sale of bear claws, which is still pending.

Special Assignments: The division provided the following information on: subsistence halibut uses to the North Pacific Fishery Management Council as part of their efforts to refine subsistence halibut fishing regulations; regional research updated to federal regional advisory councils; on the subsistence Tier II hunting permit system to the Board of Game in response to the proposal from the public to change the scoring system; subsistence migratory bird hunting and harvest assessment sampling program to the Migratory Bird Co-Management Council as they develop subsistence hunting regulations and harvest monitoring programs in different regions of the state; and, subsistence salmon fisheries in the Arctic-Yukon-Kuskokwim regions to the Board of Fisheries in response to proposals from the public to change fishing regulations. The division director serves as chair of the U.S. Canada Yukon River panel charged with implementing provisions and obligation of the salmon treaty with Canada.

EVOS: This program is supported by oil spill restoration funds administered by the Exxon Valdez Oil Spill Trustee Council. The subsistence restoration program includes one project: updating subsistence harvest information in 15

communities in the area affected by the oil spill. This project includes cooperative agreements with tribal organizations, and date review workshops with research partners. The Division of Subsistence administers this project, which supports professional service contracts with Alaska Native communities and regional organizations to complete much of the work. Objectives include a final report, workshops, and a presentation at the Gulf Ecosystems Monitoring (GEM) workshop in 2005.

Statutory and Regulatory Authority

AS 16.05.094
AS 16.05.258
AS 16.05.090
5 AAC 99.010
AS 37.14.400

Contact Information

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**State Subsistence
Component Financial Summary**

All dollars shown in thousands

	FY2004 Actuals	FY2005 Management Plan	FY2006 Governor
Non-Formula Program:			
Component Expenditures:			
71000 Personal Services	2,333.5	2,706.9	2,981.1
72000 Travel	182.2	271.1	263.1
73000 Services	973.8	1,256.6	1,061.4
74000 Commodities	78.5	106.1	106.1
75000 Capital Outlay	0.0	0.0	0.0
77000 Grants, Benefits	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
Expenditure Totals	3,568.0	4,340.7	4,411.7
Funding Sources:			
1002 Federal Receipts	1,629.7	2,202.1	2,267.6
1004 General Fund Receipts	223.6	1,066.7	1,497.7
1007 Inter-Agency Receipts	243.3	410.0	273.2
1018 Exxon Valdez Oil Spill Settlement	356.9	378.5	13.9
1036 Commercial Fishing Loan Fund	796.3	9.3	9.3
1061 Capital Improvement Project Receipts	131.7	50.0	123.7
1108 Statutory Designated Program Receipts	186.5	224.1	226.3
Funding Totals	3,568.0	4,340.7	4,411.7

Estimated Revenue Collections

Description	Master Revenue Account	FY2004 Actuals	FY2005 Management Plan	FY2006 Governor
Unrestricted Revenues				
Commercial Fishing Loan Fund	51100	796.3	9.3	9.3
Exxon Valdez Oil Spill Settlement	51392	356.9	378.5	13.9
Unrestricted Total		1,153.2	387.8	23.2
Restricted Revenues				
Federal Receipts	51010	1,629.7	2,202.1	2,267.6
Interagency Receipts	51015	243.3	410.0	273.2
Statutory Designated Program Receipts	51063	186.5	224.1	226.3
Capital Improvement Project Receipts	51200	131.7	50.0	123.7
Restricted Total		2,191.2	2,886.2	2,890.8
Total Estimated Revenues		3,344.4	3,274.0	2,914.0

**Summary of Component Budget Changes
From FY2005 Management Plan to FY2006 Governor**

All dollars shown in thousands

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
FY2005 Management Plan	1,066.7	2,202.1	1,071.9	4,340.7
Adjustments which will continue current level of service:				
-Transfer I/A authority from Subsistence to Advisory Committees to align with expected funding	0.0	0.0	-65.0	-65.0
-Transfer Out EVOS authority from Subsistence to CF Special Projects to align with funding needs	0.0	0.0	-175.0	-175.0
-FY 05 Bargaining Unit Contract Terms: GGU	5.5	11.9	1.3	18.7
-FY06 Cost Increases for Bargaining Units and Non-Covered Employees	25.5	40.0	5.3	70.8
-Adjustments for Personal Services Working Reserve Rates and SBS	0.0	13.6	1.4	15.0
Proposed budget decreases:				
-Reduce EVOS authorization to reflect decisions by EVOS trustee council	0.0	0.0	-193.5	-193.5
Proposed budget increases:				
-Increase general funds to meet statutory mandate and update subsistence information	400.0	0.0	0.0	400.0
FY2006 Governor	1,497.7	2,267.6	646.4	4,411.7

**State Subsistence
Personal Services Information**

Authorized Positions		Personal Services Costs		
<u>FY2005</u>				
<u>Management</u>		<u>FY2006</u>		
<u>Plan</u>		<u>Governor</u>		
			Annual Salaries	2,062,088
Full-time	28	28	COLA	29,968
Part-time	9	9	Premium Pay	9,435
Nonpermanent	62	48	Annual Benefits	1,037,110
			<i>Less 2.03% Vacancy Factor</i>	(63,601)
			Lump Sum Premium Pay	0
Totals	99	85	Total Personal Services	3,075,000

Position Classification Summary

Job Class Title	Anchorage	Fairbanks	Juneau	Others	Total
Administrative Assistant	1	1	0	0	2
Administrative Clerk III	1	0	1	0	2
Administrative Manager I	0	0	1	0	1
Analyst/Programmer III	2	0	0	0	2
Analyst/Programmer IV	2	0	0	0	2
Analyst/Programmer V	1	0	0	0	1
Asst Dir Dept Fish & Game	1	0	0	0	1
Division Director	0	0	1	0	1
F&W Technician II	0	0	1	47	48
F&W Technician III	0	0	0	1	1
F&W Technician V	0	0	0	1	1
Fish & Game Program Tech	0	0	0	1	1
Subsist Resource Spec I	0	1	2	0	3
Subsist Resource Spec II	4	0	2	3	9
Subsist Resource Spec III	2	3	1	1	7
Subsistence Program Manager	1	1	1	0	3
Totals	15	6	10	54	85