

List of Funded Projects from the Fall 2008 Southeast, West of Suckling, and Statewide Habitat Calls for Proposals

Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
459xx	ACWA Grants RSA to DEC - Year 4	9	The goal of this proposal is to provide continued funding for ACWA-related actions (stewardship, monitoring, protection, recovery) to anadromous water bodies in SE AK that have been identified as a high priority through the ACWA interagency process.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$51,500	SE
458xx	Anadromous Cataloging in Western AK	8	We propose to conduct a rapid, systematic inventory of anadromous fish distribution and associated aquatic and riparian habitat characteristics in selected middle Kuskokwim and Unalakleet River drainages. At each reach sampled, we will also document standard aquatic and riparian habitat characteristics. These observations will be recorded in the AFFI database. For each waterbody in which anadromous fish are observed, we will submit a nomination to the Catalog of Waters Important for the Spawning, Rearing, or Migration of	ADF&G Sport Fish Division	7/1/09	6/30/10	\$95,560	AYK
459xx	Auke Creek Salmonid Population Monitoring - Year 4	9	This project will continue research on coho salmon as a long-term indicator stock in a mainland, lake system near Juneau. All coho salmon smolts migrating from this system will be CWTed and sampled for length distribution and freshwater age determination. Sockeye salmon smolts will be counted and sampled for length distribution and freshwater age determination while returning sockeye adults will be sampled for marine age determination. Pink salmon fry and returning adults will be counted daily as they migrate through Auke Creek Weir.	National Oceanic and Atmospheric Administration (NOAA) Auke Bay Lab (ABL) Ted Stevens Marine Research Institute (TSMRI)	7/1/09	6/30/11	\$86,726	SE

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459xx	Bristol Bay Fishery Selection	9	Size-selective fishing is an important management consideration that has been little explored in the Bristol Bay commercial and recreational fisheries. This project would fund 1) the assembly of commercial and recreational fishery catch and escapement data into an Access database and 2) the development of standardized models that use these data to evaluate the catch and escapement fish size and age distributions and to quantify fishery selection. Specifically, this project will focus on Kvichak district sockeye, a "Stock of Concern," and Nushagak River Chinook.	University of Washington - School of Aquatics and Fisheries Sciences (UW - SAFS)	7/1/09	6/30/11	\$98,319	SC
459xx	Bristol Bay Sockeye Productivity	9	This proposal tests the hypotheses that survival at sea of Bristol Bay sockeye salmon is dependent on growth in freshwater and that growth in freshwater is linked to biological factors (parent abundance, previous-year abundance) and environmental factors (temperature, precipitation). The study will utilize previously-measured adult sockeye salmon scales (1960s to 2008), which will be used to back-calculate length-at-age of juvenile salmon from each major watershed when they migrated from fresh to marine waters (i.e., smolts).	Natural Resource Consultants (NRC)	7/1/09	12/31/12	\$156,294	SC

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458xx	Chickamin River Chinook	8	This project will obtain information on age and sex composition and the marked fraction of coded-wire-tagged fish. The data from this project will enable the ADF&G to estimate total harvest, distribution, exploitation rates, smolt production, and marine survival, as well as allow accurate reconstruction of runs to update the maximum sustained yield escapement goal for the stock. Data from this project will also be used by the CTC for: (1) development of a model stock for southern SE AK, (2) exploitation rate analysis of this wild stock, and (3) improved escapement assessment for associated Behm Canal stocks.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$95,378	SE
459xx	Chickamin River Coho Escapement Sampling - Year 4	9	In fall 2009, adult coho will be inspected inriver for the presence or absence of an adipose fin to estimate the marked fraction of smolt CWTed in spring 2008. ASL data will also be collected. The escapement will be estimated through expansion of the peak aerial survey count.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$60,459	SE
458xx	Chilkat Chinook Fall CWT	8	This funding will be used to capture, coded wire tag (CWT), and mark fry with an adipose fin-clip as the first of two sampling events. Returning adults will be sampled for marks during ongoing inriver escapement programs (separately funded) between 2011 and 2015 as the second sampling event. In addition, recovery of Chinook salmon bearing Chilkat River CWTs in marine commercial and sport fisheries will allow us to estimate total harvest of this stock.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$99,518	SE

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459xx	Chilkat River Fishwheel - Year 3	9	The funding for this project covers operational costs involved with the operation of two fish wheels to capture returning Pacific salmon in the lower Chilkat River. Salmon are captured to collect age-sex-length composition and other biological information. All healthy adult sockeye salmon are tagged as part of a mark-recapture program used to estimate the inriver abundance of Chilkat River mainstem sockeye salmon. The information gathered by this project will assist fishery managers in efforts to effectively manage the fishery resource to assure adequate escapements are met.	ADF&G Commercial Fisheries Division	7/1/09	6/30/11	\$269,860	SE
459xx	Chilkat River Smolt CWT - Year 4	9	The proposed project will CWT Chinook and coho salmon smolt emigrating from the Chilkat River in the spring of 2010 and will document the subsequent distribution of the tagged fish in marine harvests in 2011 (coho) and 2011-2015 (Chinook) using existing ADF&G funded port-sampling programs. ADF&G will also provide funding to cover sampling the adult coho salmon return at the Chilkat River fish wheels in 2011, which will allow us to estimate the adult coho age composition and the proportion of coho smolt marked in 2010 with AKSSF funds. ADF&G will also use DJ/WB funds in 2011-2015 to sample adult Chinook salmon in the Chilkat River escapement, which will allow estimation of the annual age composition, CWTed fraction, freshwater production, marine harvest, fresh- and saltwater survival parameters by brood year.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$108,065	SE

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Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
459xx	Chuck Creek Coho Escapement Weir - Year 4	9	This project provides an estimate of the marine harvest and distribution, marine survival, exploitation rate, smolt production, and adult escapement of Chuck Creek coho salmon.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$79,826	SE
458xx	CTC Biometrician II - Year 4	8	This project will continue to fund a Biometrician II to perform biometrical analyses, statistical analyses, and mathematical modeling to aid in the implementation of the PST and to aid in the management of Chinook salmon fisheries in SE AK.	ADF&G Commercial Fisheries Division	7/1/09	6/30/10	\$54,717	SE
459xx	Disappearance Creek Chum Weir - Year 2	9	This project will monitor the escapement of fall chum salmon at Disappearance Creek for at least three years and compare the escapement estimates to aerial and foot survey estimates conducted by department personnel during the peak of the run.	ADF&G Commercial Fisheries Division	7/1/09	6/30/11	\$106,529	SE

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Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
459xx	Effects of Hatchery Strays on Wild Chinook Salmon	9	This project is an experiment designed to help clarify some of the potential genetic impacts of hatchery Chinook salmon on wild Chinook salmon by simulating reproduction in the wild between hatchery and wild origin fish using a laboratory environment to create specific combinations. The resulting fish will be raised in a hatchery environment during freshwater and released to a natural marine environment for the remainder of their lives. The measurement of differences in survival, growth, fishery contribution and straying rates between the different groups will help managers determine if the close proximity of hatcheries to wild populations poses significant risks to wild populations in terms of productivity or persistence.	National Oceanic and Atmospheric Administration (NOAA) Auke Bay Lab (ABL) Ted Stevens Marine Research Institute (TSMRI)	7/1/09	11/30/11	\$102,955	SE
458xx	Fairbanks Restoration Cost Share	8	The Fairbanks Restoration Cost Share Project is a financial incentive and educational outreach program that provides funding and technical project design assistance for public and private landowners to sustain and enhance valuable salmon habitat in Fairbanks area river basins.	ADF&G Sport Fish Division	7/1/09	12/31/11	\$172,857	AYK

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Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
458xx	Fairbanks Restoration Workshop	8	This project would use a two-day Restoration Workshop to deliver essential fish life history and habitat educational information, a fish habitat restoration curriculum, and bio-technical restoration technique information to the Fairbanks North Star Borough staff, state and federal agencies, municipalities, watershed groups, non-profit organizations, conservation groups, contractors, and private consultants.	ADF&G Sport Fish Division	5/1/09	10/31/09	\$12,748	AYK
458xx	Fish Passage Restoration - Coal Creek	8	The proposed project will provide funds that ADF&G will then transfer to ADOT to share the increased costs of replacing the existing culvert barrier in Coal Creek with a new, larger, fish-friendly culvert and stabilize the adjacent stream channel with bio-engineering techniques.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$190,850	SC
459xx	Genetic Analysis of Chinook Bycatch	9	The purpose of this proposal is to identify the limits of our current bycatch sample collections, stratify the samples through a subsampling plan, and then determine stock assessments for the Chinook bycatch within the identified strata. This will be accomplished by genotyping available Chinook salmon genetic samples collected by the Observer Program for 2008 and then grouping those samples in a manner that will minimize bias and variation in composition estimates.	National Marine Fisheries Service Auke Bay Laboratory (NMFS ABL)	7/1/09	6/30/10	\$62,418	AYK

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459xx	Genetics of Westward Chum Salmon	9	We will assemble a comprehensive baseline of DNA data from 96 SNPs for chum salmon from the Westward Region of AK using newly collected and archived tissues. This information will be used to describe the genetic diversity of spawning populations of chum salmon both in terms of geographic and temporal variability. Once assembled, the data will be incorporated and merged with the larger WASSIP baseline and used to more accurately and precisely apply genetic stock identification applications to estimate the catch contribution of Westward chum salmon to WASSIP fisheries.	University of Washington - School of Aquatics and Fisheries Sciences (UW - SAFS)	7/1/09	6/30/11	\$308,282	W
459xx	Haines Salmon Habitat Assessment - Year 2	9	The purpose of this project is to provide regional managers with an analytical tool to help identify, protect, and manage important areas of salmon habitat in SE AK.	Takshanuk Watershed Council	7/1/09	12/31/10	\$30,432	SE
459xx	High Resolution SNPs for Sockeye	9	The ADF&G uses newly developed DNA markers, SNPs, for GSI. More SNPs are needed to improve the resolution of GSI studies such as those in Bristol Bay and Cook Inlet. In this project we first use newly developed high throughput sequencing to discover thousands of new SNPs in sockeye salmon. Second, we test the hypothesis that high resolution SNPs, encoded by alleles subject to natural selection, have temporally stable allelic frequencies enabling use of a common baseline data set for periods of decades.	University of Washington (UW)	7/1/09	6/30/10	\$322,929	SC

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458xx	Homer Restoration Workshop & Access	8	This project would use a two-day Restoration Workshop to deliver essential fish life history and habitat educational information, a fish habitat restoration curriculum, and bio-technical restoration technique information to state and federal agencies, municipalities, watershed groups, non-profit organizations, conservation groups, contractors, and private consultants.	ADF&G Sport Fish Division	5/1/09	10/31/09	\$30,521	SC
459xx	Hydrologic and Adjudication Support - Year 4	9	The purpose of this project is to continue to provide DNR with funding to support a hydrologist to assist with the hydrologic components of existing and future ADF&G reservation of water applications and provide hydrologic technical support for salmon-producing waterbodies in SE	ADF&G Sport Fish Division	7/1/09	6/30/10	\$15,038	SE
459xx	Improve Salmon Forecast Accuracy	9	The goal of this project is to improve Bristol Bay forecasts by incorporating new scientific information on competition between Asian pink salmon and Bristol Bay sockeye salmon. The proposed project will compare forecast error during odd- versus even-numbered years by age group in each of the eight watersheds of Bristol Bay, 1967-2008. These findings will be used to test and incorporate the pink salmon effect into current forecast models for development of the forecast in 2010.	Natural Resource Consultants (NRC)	7/1/09	6/30/10	\$41,867	SC

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458xx	Instream Flow Protection	8	The main goal of this project is to quantify and reserve instream flows for priority salmon-producing waterbodies in SE AK. Priority waterbodies were identified during the AKSSF Instream Flow Needs Project (45040) and will be updated by this project. Preparing reservation of water applications will be the primary tool used to protect instream flows needed to sustain salmon production.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$187,460	SE
458xx	Instream Flow Protection FY 11	8	The main goal of this project is to continue to quantify and reserve instream flows for priority salmon-producing waterbodies in SE AK. Priority waterbodies were identified during the AKSSF Instream Flow Needs Project (45040) and will be updated by this project. Preparing reservation of water applications will be the primary tool used to protect instream flows needed to sustain salmon production.	ADF&G Sport Fish Division	7/1/10	6/30/11	\$195,391	SE
458xx	Instream Flow Protection FY 12	8	The main goal of this project is to continue to quantify and reserve instream flows for priority salmon-producing waterbodies in SE AK. Priority waterbodies were identified during the AKSSF Instream Flow Needs Project (45040) and will be updated by this project. Preparing reservation of water applications will be the primary tool used to protect instream flows needed to sustain salmon production.	ADF&G Sport Fish Division	7/1/11	3/31/12	\$152,259	SE

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459xx	Kenai Smolt Abundance - Phase 3	9	This project will provide annual estimates of the abundance of sockeye salmon smolts emigrating from the Kenai River. Annual sockeye salmon smolt population estimates will be used to build life-history brood tables needed to improve forecasts, evaluate escapement goals, and examine effects of ocean conditions on stock productivity.	ADF&G Commercial Fisheries Division	5/1/10	3/31/13	\$705,707	SC
458xx	Klawock Causeway Fish Passage	8	The goal of this project is to provide fish passage through the earthen causeway that provides the foundation for the Klawock – Hollis causeway across the eastern portion of Klawock Bay. Specifically, the project would allow juvenile salmonids access to 460 acres of contiguous eelgrass beds that are immediately adjacent on the north side of the causeway.	Klawock Watershed Council (KWC)	5/1/09	3/31/12	\$194,293	SE
459xx	Kuskokwim River Sockeye Salmon	9	Currently the Kuskokwim River commercial sockeye salmon fishery is limited to a conservative guideline harvest range of 0 to 50,000 fish because of the lack of baseline information about annual abundance, productivity, exploitation rates, and overall stock structure and dynamics. This proposal addresses these information gaps by developing estimates of sockeye salmon runs from about 1985 through 2012, by developing a statistical model that combine data collected from M-R investigations with the historical escapement	ADF&G Commercial Fisheries Division	9/1/09	3/31/13	\$368,363	AYK

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459xx	Kvichak Smolt Study	9	This project would provide estimates of the number, age, and size of sockeye salmon smolt migrating to sea from the Kvichak river system. Smolt numbers and biological information provide data needed to evaluate freshwater production, set biological escapement goals, and forecast adult	ADF&G Commercial Fisheries Division	5/1/09	6/30/12	\$230,115	SC
458xx	Mark Tag and Age Lab Support - Year 3	8	Coded wire tag (CWT) data is used to estimate marine harvests, total production, and to develop databases to support development of escapement goals, as well as to monitor compliance with PST obligations. The accurate and timely processing of CWT salmon supplies data necessary to manage salmon fisheries and gain better understanding of salmon stocks.	ADF&G Commercial Fisheries Division	7/1/09	6/30/10	\$77,250	SE
459xx	Mark Tag and Age Lab Support - Year 4	9	CWT data is used to estimate marine harvests, total production and to develop databases to support development of escapement goals, as well as to monitor compliance with PST obligations. The accurate and timely processing of coded wire tagged salmon supplies data necessary to manage salmon fisheries and gain better understanding of salmon stocks.	ADF&G Commercial Fisheries Division	7/1/10	6/30/11	\$80,340	SE
458xx	Matanuska River Spawning Distribution	8	The goal of this project is to describe the run timing and spawning distribution and abundance of sockeye, chum, and coho salmon in the Matanuska River, allowing local land managers and planners to better protect and conserve important salmon habitat from current and future development activities in the Matanuska River watershed.	US Fish and Wildlife Service (USFWS)	5/1/09	5/1/11	\$240,355	SC

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458xx	Mat-Su Basin Anadromous Waters Catalog	8	The goal of this project is to provide information in the Mat-Su needed for protection and management of the freshwater habitats that support Alaska's anadromous and freshwater fish. We are seeking funding for helicopter transport to remote sampling areas.	USFWS	5/1/09	12/31/09	\$75,522	SC
458xx	Mat-Su Instream Flow Protection	8	The goal of this project is to collect the hydrological data necessary to protect instream flows in four reaches of streams identified for their importance to the production of salmon in the Mat-	ADF&G Sport Fish Division	10/1/09	9/31/2010	\$72,998	SC
459xx	McDonald Lake Sockeye GSI - Year 3	9	This proposal will complete genetic stock identification analysis on sockeye salmon tissue samples collected from commercial net fisheries in Southern SE AK.	ADF&G Gene Conservation Laboratory (GCL)	7/1/09	6/30/10	\$132,380	SE
459xx	Nakwasina River Coho Escapement	9	In fall 2009, adult coho will be inspected inriver for the presence or absence of an adipose fin to estimate the marked fraction of smolt CWTeD in spring 2008. ASL data will also be collected. The escapement will be estimated through expansion of the peak foot survey count.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$40,000	SE
458xx	NBTBR Sockeye Port Sampling	8	This project would provide funding for collection of weekly samples from Alaskan commercial catches. Matched scale-tissue samples will be collected allowing side-by-side stock ID analysis using both the scale pattern techniques used in calculating the current treaty harvest sharing agreements, as well as new more stock-discrete SNP (DNA) techniques.	ADF&G Commercial Fisheries Division	7/1/09	6/30/10	\$184,085	SE

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458xx	NBTBR Sockeye Stock ID - Year 2	8	Sockeye salmon catches will be sampled for scales when the fish are delivered to processors in Ketchikan, Petersburg, Wrangell, Juneau, and Excursion Inlet. Samples will be collected throughout fishery openings and in multiple ports, with no more than 40 fish from any single delivery being sampled in an effort to make sample collections as representative as possible.	ADF&G Commercial Fisheries Division	7/1/09	6/30/10	\$371,168	SE
459xx	NBTBR Sockeye Stock ID - Year 3	9	Sockeye salmon catches will continue to be sampled for scales when the fish are delivered to processors in Ketchikan, Petersburg, Wrangell, Juneau, and Excursion Inlet. Samples will be collected throughout fishery openings and in multiple ports with no more than 40 fish from any single delivery being sampled in an effort to make sample collections as representative as possible.	ADF&G Commercial Fisheries Division	7/1/10	6/30/11	\$383,833	SE
458xx	North Boundary Sockeye District 101/4	8	This proposal will extend our study for one additional year to allow for the genetic analysis of 6,000 sockeye samples from the 2009 District 101 gillnet and the District 104 purse seine fishery. The purpose of this analysis is to determine the proportion of sockeye harvested from the 101 and 104 fisheries that originate from the Nass, Skeena, and southeast Alaska regions.	National Oceanic and Atmospheric Administration (NOAA) Auke Bay Lab (ABL)	7/1/09	3/30/11	\$207,545	SE

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459xx	Nushagak Chinook Genetics Baseline	9	This project would fund the collection and analysis of genetics samples from Chinook salmon spawning in the Nushagak watershed. The development of a complete genetic baseline data for Chinook salmon in the Nushagak River drainage will allow us to evaluate: (1) the stock-specific harvest of commercial, sport, and subsistence fisheries; (2) the stock-specific harvests from non-Nushagak District fisheries, such as the Bering Sea Pollock trawl fishery; and (3) the effects of future development on the production of Chinook spawning populations within the Nushagak drainage and its tributaries.	ADF&G Commercial Fisheries Division	7/1/09	6/30/11	\$115,112	SC
459xx	Parentage of Supplemented Sockeye - Year 2	9	This project will use a model sockeye population in a single lake system in which part of a wild spawning population will be spawned artificially, cultured in a hatchery, and released into the lake as fry. An intensive genotype survey of the natural population, the artificially spawned parents, and the 'supplemented' fish will enable, in later phases, observation of genetic introgression of 'supplemented' salmon into the natural population and effects of introgression on productivity and fitness of the wild population.	University of Alaska Fairbanks (UAF)	7/1/09	6/30/10	\$189,817	SE

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459xx	Remote Video Escapement Monitoring	9	After several years of testing the feasibility of using remote video and time-lapse recording equipment for monitoring salmon escapement on small clear streams, this project will allow us to implement the technology on a larger scale and outreach it to a wider audience. Beginning in June 2009, we will deploy AVCT's on the outlet creeks of four lakes in Lower Cook Inlet (Delight, Desire, Mikfik, Chenik), that support wild stocks of sockeye salmon that are targeted in commercial fisheries.	ADF&G Commercial Fisheries Division	7/1/09	6/30/11	\$80,346	SC
458xx	Salmon Aerial Surveys - Year 5	8	This project will fund additional aerial surveys to monitor salmon escapements in SE AK and Yakutat. In addition, surveys will be conducted to monitor fall chum salmon stocks in southern SE AK. This work should have a positive effect on the quality and usefulness of ADF&G's salmon escapement database.	ADF&G Commercial Fisheries Division	7/1/09	6/30/10	\$110,857	SE
459xx	Salmon Aerial Surveys - Year 6	9	This project will fund additional aerial surveys to monitor salmon escapements in SE AK and Yakutat. This work should have a positive effect on the quality and usefulness of ADF&G's salmon escapement database.	ADF&G Commercial Fisheries Division	7/1/10	6/30/11	\$111,607	SE
459xx	Salmon Habitat Restoration from RCG	9	On the Kenai Peninsula, RCG is quickly spreading and damaging salmon habitat. This project aims to determine current locations of RCG, contain the spread of this invasive species, and restore salmon habitat in three key locations.	Kenai Watershed Forum (KWF)	7/1/09	12/31/12	\$56,587	SC

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459xx	Salmon Habitat Stream Temperature	9	Stream water temperatures affect many aspects of Pacific salmon life history and as they approach salmon tolerance values, can make fish more susceptible to disease and negatively influence survival. A clearer understanding between migration timing, spawning habitat selection, juvenile survival and temperatures will help interpret salmon return data and improve management and protection of Pacific salmon within south-central streams.	Aquatic Restoration and Research Institute (ARRI)	5/1/09	6/30/13	\$92,978	SC
459xx	SC Hydrologic and Adjudication Support	9	This project will help DNR and ADF&G implement the MOU for improving administrative processing of applications on a timely basis and provide hydrologic assistance for water quantity and quality issues related to anadromous waterbodies in Southcentral AK.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$15,038	SC
458xx	SE AK Chinook Age, Sex, Length - Year 4	8	This project will improve annual assessments of escapements, fishery impacts, and survival by providing ASL composition information for Chinook salmon in the King Salmon, Keta, and Blossom rivers and Andrew Creek. It will also provide improved databases of production by brood year to use in estimating new escapement goals for these Chinook salmon stocks.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$75,109	SE

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459xx	SE AK Chinook Age, Sex, Length - Year 5	9	This project will continue to improve annual assessments of escapements, fishery impacts, and survival by providing ASL composition information for Chinook salmon in the King Salmon, Keta, and Blossom rivers and Andrew Creek. It will also provide improved databases of production by brood year to use in estimating new escapement goals for these Chinook salmon stocks.	ADF&G Sport Fish Division	7/1/10	6/30/11	\$76,202	SE
458xx	SE AK Chinook GSI Sampling-Archiving	8	Chinook salmon will be collected from commercial troll and gillnet landings at processors in SE AK. Legal-sized Chinook salmon will be sampled in the sport fishery by onboard participants and by creel census samplers.	ADF&G Commercial Fisheries Division	10/1/09	9/30/10	\$51,912	SE
459xx	SE Subsistence Sockeye Assessments - Year 3	9	This project will continue to assess and measure the breeding stock sizes and subsistence harvests of some of the most heavily utilized sockeye runs in the region at Hetta, Klawock, Falls, and Kanalku lakes. The goal of these assessments is to increase the amount and quality of information available to guide fishery managers in their decision making. The project will also compile, maintain, and distribute information from databases, published reports, and other sources pertinent to all sockeye salmon stocks and fisheries in SE AK, in support of management and conservation of these salmon resources.	ADF&G Commercial Fisheries Division	10/1/09	6/30/10	\$75,705	SE

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459xx	SECM Sampling and Pink Salmon Forecasting	9	The SECM project involves sampling juvenile pink salmon and associated environmental conditions to forecast adult salmon returns in SE AK. These juvenile pink salmon, which have resided in the coastal ocean for some 2-3 months, are sampled along migration corridors while en route to the Gulf of Alaska.	National Oceanic and Atmospheric Administration (NOAA) Auke Bay Lab (ABL) Ted Stevens Marine Research Institute (TSMRI)	4/1/09	6/30/10	\$55,620	SE
458xx	Southcentral Cost Share Program	8	The Southcentral Cost Share Project is a financial incentive and educational outreach program that provides funding and technical project design assistance for public and private landowners to sustain and enhance valuable salmon habitat in the Southcentral region.	ADF&G Sport Fish Division	7/1/09	12/31/11	\$270,818	SC
458xx	Southeast Restoration Cost Share	8	The Southeast Restoration Cost Share Project is a financial incentive and educational outreach program that provides funding and technical project design assistance for public and private landowners to sustain and enhance valuable salmon habitat in SE AK.	ADF&G Sport Fish Division	7/1/09	12/31/11	\$100,809	SE
458xx	Southeast Restoration Workshop	8	This project would use a two-day Restoration Workshop to deliver essential fish life cycle and habitat educational information, a fish habitat restoration curriculum, and bio-technical restoration technique information to state and federal agencies, municipalities, watershed groups, non-profit organizations, conservation groups, contractors, and private consultants.	ADF&G Sport Fish Division	5/1/09	10/31/09	\$12,748	SE

List of Funded Projects from the Fall 2008 Southeast, West of Suckling, and Statewide Habitat Calls for Proposals

Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
459xx	Stress Effects and Mass-Marking in Salmon	9	Chum salmon eggs will be fertilized and reared under a variety of stressful conditions at Macaulay Hatchery, as well as at the Laboratory of Ecological and Adaptational Physiology to determine how acute and chronic stress in captive environments affect fish health and otolith morphology. After fertilization, chum salmon eggs will be exposed to stressors that commonly occur in captive environments. A group of fish will also be raised at low densities under low stress conditions to serve as a reference (control)	ADF&G Commercial Fisheries Division	7/1/09	5/1/11	\$90,501	SE
458xx	Substantiation of the AWC in Southcentral AK	8	This project is a request for funding for ADF&G area office staff time to review department records, publications, and Fish Resource Permit reports to identify data for unsubstantiated waterbodies or waterbodies not currently listed in the AWC for SC AK.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$27,017	SC
459xx	Susitna River Coho & Chum Abundance	9	The purposes of this project are to: 1) estimate the inriver abundance of coho and chum salmon in the Susitna River annually for three years, 2) better define the stock composition of the Susitna River adult coho and chum salmon runs, 3) place historical stock assessment data into a drainage-wide context, and 4) help design future stock assessment projects that are more efficient and effective.	ADF&G Commercial Fisheries Division	7/1/09	3/31/13	\$1,550,520	SC

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Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
459xx	Susitna Sockeye Salmon Escapement	9	This project will estimate adult sockeye salmon escapement in 14 sockeye salmon rearing lakes with (Chelatna, Shell, Whiskey, Hewitt, Lockwood, Trapper, Red Shirt) and without (Byers, Swan, Spink, Larson, Stephan, Trinity, Judd) invasive northern pike. Estimates of sockeye salmon escapement among lakes will be used to help evaluate escapement goals and potential management actions. This project will provide lake escapement estimates that will be used to help evaluate the Yentna sonar estimate.	Cook Inlet Aquaculture Association (CIAA)	7/1/09	12/31/12	\$906,747	SC
459xx	Susitna Sockeye Salmon Production	9	This project will estimate survival from potential egg deposition to fall fry and fall fry to smolt in seven lakes with and without invasive northern pike. Limnological data will also be collected to evaluate bottom-up limitations to sockeye salmon production as an alternative hypothesis. Estimates of sockeye salmon production among lakes will be used to help evaluate escapement goals and potential management actions.	ADF&G Commercial Fisheries Division	7/1/09	3/31/13	\$1,511,815	SC
459xx	Taku River Salmon Habitats	9	This project will continue efforts to identify and assess relationships between juvenile salmonid distribution patterns and freshwater habitats in the Taku River watershed.	ADF&G Sport Fish Division	7/1/09	6/30/11	\$147,460	SE

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Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
458xx	Taku River Smolt and Escapement	8	Each spring since 1991, coho salmon smolt have been tagged with CWTs as they emigrate from the Taku River. Then in the following year, returning adults are sampled for these tags using fish wheels and set gillnets operated near CYI (CYI) in the lower Taku River. At the same time, adults are tagged as part of a two-event M-R study to estimate the inriver abundance and sampled for ASL composition data. A short distance upriver, in Canada, adults are inspected in the commercial gillnet fishery. Typically the commercial fishery ceases in late August and it is necessary to obtain tag ratio information by contract. Data gathered from these efforts has provided estimates of inriver abundance and escapement since 1987, estimates of harvest, exploitation, survival, smolt abundance, and total run since 1992, and run forecasts since 1996. These combined efforts inriver along with adult sampling programs in the various marine fisheries allow detailed stock assessment analyses.	ADF&G Sport Fish Division	7/1/09	6/30/10	\$67,764	SE
458xx	Wasilla Creek Flow Protection	8	This current proposal is to continue the collection of hydrologic data by the USGS from gage 15285000 on Wasilla Creek. Data from this gage are requisite to the protection of stream flows needed for continued production of salmon.	ADF&G Sport Fish Division	7/1/10	6/30/12	\$26,574	SC

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Project Number	Project Title	Yr	Project Description	Agency / Organization	Start Date	End Date	Total SSSF Funds	Location
458xx	Westward Region Limnology	8	This project proposes to collect spatial and temporal baseline water quality data and conduct the analysis and reporting of these baseline data from eight sockeye salmon nursery lakes of the Alaska Peninsula (two lakes) and Kodiak Archipelago (six lakes). This project will allow the monitoring and description of rearing site characteristics and ecological factors that may limit or enhance sockeye salmon production and fisheries management.	ADF&G Commercial Fisheries Division	5/1/09	12/31/11	\$284,424	WW
459xx	Yentna Fish Wheel Selectivity	9	This project will improve the accuracy of sockeye salmon escapement estimates into the Yentna River by estimating the species selectivity of fish wheels used for species apportionment of total fish passage estimates.	ADF&G Commercial Fisheries Division	7/1/09	3/31/13	\$964,344	SC
459xx	Yentna Sonar Error Estimation	9	PIs intend to measure the error and potential range bias in DIDSON length measures using known targets in a controlled environment, and measure fish with the high resolution DIDSON lens at the fish wheel site. After these studies are completed, we will evaluate whether our new methods provide a more accurate sockeye salmon abundance estimate by comparing our old and new estimates with aggregate upstream weir counts.	ADF&G Commercial Fisheries Division	7/1/09	3/15/13	\$637,196	SC