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Results from Sampling the 2006–2009 Commercial and Subsistence Fisheries in the Western Alaska Salmon Stock Identification Project

by

Douglas M. Eggers

Mark J. Witteveen

Timothy T. Baker

Danielle F. Evenson

Judith M. Berger

Heather A. Hoyt

Heather L. Hildebrand

William D. Templin

Christopher Habicht

and

Eric C. Volk

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Divisions of Sport Fish and Commercial Fisheries



Symbols and Abbreviations

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Weights and measures (metric)		General		Mathematics, statistics	
centimeter	cm	Alaska Administrative Code	AAC	all standard mathematical signs, symbols and abbreviations	
deciliter	dL	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	alternate hypothesis	H _A
gram	g	all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.	base of natural logarithm	<i>e</i>
hectare	ha			catch per unit effort	CPUE
kilogram	kg			coefficient of variation	CV
kilometer	km	at compass directions:	@	common test statistics	(F, t, χ^2 , etc.)
liter	L			confidence interval	CI
meter	m			correlation coefficient	
milliliter	mL	east	E	(multiple)	R
millimeter	mm	north	N	correlation coefficient (simple)	r
Weights and measures (English)		south	S	covariance	cov
cubic feet per second	ft ³ /s	west	W	degree (angular)	°
foot	ft	copyright	©	degrees of freedom	df
gallon	gal	corporate suffixes:		expected value	<i>E</i>
inch	in	Company	Co.	greater than	>
mile	mi	Corporation	Corp.	greater than or equal to	≥
nautical mile	nmi	Incorporated	Inc.	harvest per unit effort	HPUE
ounce	oz	Limited	Ltd.	less than	<
pound	lb	District of Columbia	D.C.	less than or equal to	≤
quart	qt	et alii (and others)	et al.	logarithm (natural)	ln
yard	yd	et cetera (and so forth)	etc.	logarithm (base 10)	log
Time and temperature		exempli gratia		logarithm (specify base)	log ₂ , etc.
day	d	(for example)	e.g.	minute (angular)	'
degrees Celsius	°C	Federal Information Code	FIC	not significant	NS
degrees Fahrenheit	°F	id est (that is)	i.e.	null hypothesis	H ₀
degrees kelvin	K	latitude or longitude	lat. or long.	percent	%
hour	h	monetary symbols		probability	P
minute	min	(U.S.)	\$, ¢	Probability of a type I error	
second	s	months (tables and figures): first three letters	Jan,...,Dec	(rejection of the null hypothesis when true)	α
Physics and chemistry		registered trademark	®	probability of a type II error	
all atomic symbols		trademark	™	(acceptance of the null hypothesis when false)	β
alternating current	AC	United States		second (angular)	"
ampere	A	(adjective)	U.S.	standard deviation	SD
calorie	cal	United States of America (noun)	USA	standard error	SE
direct current	DC	U.S.C.	United States Code	variance	
hertz	Hz			population sample	Var var
horsepower	hp				
hydrogen ion activity (negative log of)	pH				
parts per million	ppm	U.S. state	use two-letter abbreviations		
parts per thousand	ppt, ‰		(e.g., AK, WA)		
volts	V				
watts	W				

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STOCK IDENTIFICATION PROJECT**

By

Douglas M. Eggers

Alaska Department of Fish and Game, Division of Commercial Fisheries, Juneau

Mark J. Witteveen

Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak

Timothy T. Baker

Danielle F. Evenson

Judith M. Berger

Heather A. Hoyt

Heather L. Hildebrand

William D. Templin

Christopher Habicht

and

Eric C. Volk

Alaska Department of Fish and Game, Division of Commercial Fisheries, Anchorage

Alaska Department of Fish and Game
Division of Sport Fish, Research and Technical Services
333 Raspberry Road, Anchorage, Alaska, 99518-1565

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Douglas M. Eggers

*Alaska Department of Fish and Game, Division of Commercial Fisheries,
1255 W. 8th Street, Juneau,, Alaska 99811-5526 USA*

Mark J. Witteveen

*Alaska Department of Fish and Game, Division of Commercial Fisheries,
211 Mission Road, Kodiak, Alaska 99615-6327, USA*

Timothy T. Baker

Danielle F. Evenson

Judith M. Berger

Heather A. Hoyt

Heather L. Hildebrand

William D. Templin

Christopher Habicht

and

Eric C. Volk

*Alaska Department of Fish and Game, Division of Commercial Fisheries,
333 Raspberry Rd, Anchorage, Alaska 99518-1565, USA*

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ABSTRACT

The Western Alaska Salmon Stock Identification Project (WASSIP) was initiated in 2006 with a memorandum of understanding executed by an Advisory Panel of 11 signatories, including Alaska Department of Fish and Game, and stakeholders from throughout western Alaska. The Advisory Panel also includes a federal representative. The purpose of WASSIP is to provide a mechanism for participants to engage in a collaborative decision-making process to expend allocated funds for the purposes of identifying the stock contributions of western Alaska sockeye and chum salmon to fisheries in and around western Alaska. The Advisory Panel approved a catch sampling plan and the Alaska Department of Fish and Game implemented comprehensive sampling of chum *Oncorhynchus keta* and sockeye *O. nerka* salmon caught in most commercial and subsistence salmon fisheries in marine and estuarine areas of western Alaska where catches of chum or sockeye salmon occurred from 2006 to 2009. For WASSIP, western Alaska represents a broad geographic region including areas inland and within state-managed marine waters from Kilokak Rocks (eastern end of Chignik Area) southwest along the coast to Scotch Cap (Unimak Pass) and from Scotch Cap north along the coast to Point Hope (northern end of Kotzebue Area). This report summarizes results of fisheries sampling in the WASSIP area from 2006 to 2009. We include summaries of estimated catch (harvest), samples collected, and samples intended for DNA analysis by strata organized by geography, species, year, and temporally within years. For chum salmon, 143,258 samples were collected in 278 strata. Of these, 74,445 samples from 2007 to 2009 were selected for analysis. For sockeye salmon, 182,523 samples were collected in 307 strata. Of these, 81,931 samples from 2006 to 2008 were selected for analysis.

Key words: Western Alaska Salmon Stock Identification Project, WASSIP, chum, sockeye, salmon, catch, harvest, sampling, commercial, subsistence, fishing, genetic stock identification

INTRODUCTION

Various agencies and user groups have unanswered questions concerning stock origins of chum and sockeye salmon caught by inshore salmon fisheries of western Alaska, or as bycatch in Bering Sea and Gulf of Alaska trawl fisheries. Genetic stock identification (GSI) has the potential to answer many of these questions and is the only practical method for wide-scale salmon stock discrimination. Extensive genetic baselines have been developed for chum *Oncorhynchus keta* and sockeye *O. nerka* salmon using large suites of DNA markers (chum, Seeb et al. 2011; sockeye, Habicht et al. 2010). These baselines can be used to describe salmon stock contributions to western Alaska fishery catches. The Alaska Department of Fish and Game (ADF&G) Gene Conservation Laboratory (GCL) and other fishery genetic laboratories have since added many populations to the genetic baseline for both species and have developed new DNA markers (single nucleotide polymorphisms or SNPs) to improve resolution and identification of chum and sockeye salmon stocks throughout the Pacific Rim. However, a robust sampling plan is a necessary foundation for using GSI to describe stock contributions to catch.

The Western Alaska Salmon Stock Identification Project (WASSIP) was initiated in 2006 with a memorandum of understanding (MOU) executed by an Advisory Panel of 11 signatories, including ADF&G and stakeholders from throughout western Alaska. The Advisory Panel also includes a federal representative in addition to the signatories. The purpose of the WASSIP MOU is to provide a mechanism for participants to engage in a collaborative decision-making process to expend allocated funds for the purposes of identifying the stock contributions of western Alaska sockeye and chum salmon to fisheries in and around western Alaska. Objectives, purpose, guiding principles, and terms of reference for WASSIP are outlined in this MOU. The Advisory Panel guides the overall course of technical activities for the project, which ADF&G designs and executes with assistance and review by a 4-member Technical Committee. Under the terms of the MOU, the Advisory Panel specified that no analyses would take place until samples from 3 years were accumulated for both species.

For the purposes of WASSIP, western Alaska includes all areas inland and within state-managed marine waters from Kilokak Rocks (eastern end of Chignik Area) southwest along the coast to Scotch Cap (Unimak Pass) and from Scotch Cap north along the coast to Point Hope (northern end of Kotzebue Area).

The initial sampling plan, approved by the Advisory Panel, included sampling fishery strata from 2006 to 2008 within the WASSIP study area with a focus on fisheries and fishery strata most likely to capture non-local western Alaska stocks (“selected” fisheries and strata). The sampling plan was modified by the Advisory Panel through time as new information emerged. Most notably, the Advisory Panel determined that collections would occur for an additional year (2009), because sampling for chum salmon in 2006 fell short of goals in 2 key areas. As a result, chum salmon samples will be analyzed for years 2007 to 2009 and sockeye salmon samples for years 2006 to 2008. DNA will not be extracted for chum salmon collected in 2006 and for sockeye collected in 2009. Collections made under WASSIP are viewed as a set, and analyses for both species will be concurrent. Future analysis of these specimens will be discussed by the Advisory Panel.

This report summarizes a 4-year effort (2006 to 2009) to sample all selected commercial and subsistence fisheries for chum and sockeye salmon in marine waters of western Alaska. Sampling included fisheries in marine waters of the following ADF&G salmon management areas: Chignik Area (Area L), Alaska Peninsula Area (Area M), Bristol Bay Area (Area T), Kuskokwim Area (Area W), Yukon-Northern Area (Area Y), Norton Sound-Port Clarence Area (Area Z), and Kotzebue Area (Area X). This extensive collection of genetic tissues forms the basis of WASSIP and is of sufficient magnitude and breadth to support GSI analyses designed to estimate sample contributions from stock reporting groups of chum and sockeye salmon. We summarize the collection of samples throughout fishing seasons in area and time strata, report the estimated catch (harvest) in each area for both species, and describe selection of samples for DNA analyses from time and area strata. The comprehensive sample collection combined with improved genetic techniques to discriminate western Alaska salmon stocks will provide unprecedented information to agencies and stakeholders. These data will help in developing management plans, harvest strategies, and improve the quality of information used to set escapement goals, forecast future returns, and assess system carrying capacity. The use of these samples in genetic analyses and the results of those efforts will be described in subsequent publications as part of the WASSIP reporting process.

METHODS

GENERAL

Detailed sampling plans for selected western Alaska chum and sockeye salmon fisheries were prepared each year prior to the fishing season. Each temporal stratification of a selected fishery will be referred to as a GSI stratum. Catch samplers were placed at processors and aboard tenders to ensure access to area and fishing period-specific catches. The catch from each GSI stratum was sampled at a level sufficient to assemble a sample for GSI analyses. Tissue samples for GSI analysis were assembled postseason by random inclusion of samples collected from fishing day(s) within GSI strata, proportional to the catch in the respective fishing day(s). This method provides stock composition estimates from GSI analyses that are more representative of the catch in the strata. Target sample size for each area and time stratum was 400, except 640 chum salmon were targeted from the Nushagak District sockeye salmon fishery in Bristol Bay

Area to increase precision of stock contribution estimates. For subsistence fisheries, catches were typically small and sample sizes were insufficient for temporal stratification. As a result, only a single temporal GSI stratum was used for each subsistence fishery, with the 400 samples spread evenly over the time of fishing. All chum salmon and most sockeye salmon tissue samples (pelvic fin axillary processes) were collected by bulk sampling procedures, in which sampled tissues from each time and area stratum were placed in a common sampling container with alcohol. A unique bulk sample was made for each sampled period. Alaska Administrative Code (5 AAC 1 – 5 AAC 41) describes the Regions, Areas, Districts, Subdistricts, Sections, and Special Harvest Areas (SHA) referred to in this report. In cases where sampling occurred in locations not delineated by the AAC, we provide and define nomenclature. In these cases, we use the term “area” (lower-case “a”) to describe locations.

WESTWARD REGION FISHERIES

This effort was designed to sample all selected commercial salmon fisheries in marine waters of Chignik Area and Alaska Peninsula Area (Figure 1). For major fishing areas at least 3 temporal strata (early, middle, and late) were constructed for GSI. For minor areas (annual catches less than 100,000) a single temporal stratum was constructed for GSI unless the minor areas targeted both early- and late-run sockeye stocks, in which case 2 temporal GSI strata were constructed (early-run, late-run). A random sample proportional to the catch from fishing periods within a GSI stratum was assembled for each area and temporal stratum (sample size = 400). Fisheries within the Chignik Area and the Alaska Peninsula Area of Westward Region were sampled for temporal strata. Within the Alaska Peninsula Area, the following fisheries were sampled for temporal strata: June and post-June fisheries in the Shumagin Island Section, Dolgoi Island area, Ikatan area, and Unimak District; Southeast District mainland (SEDM) fishery; and Northern District fishery (Figure 1; areas defined below).

Chignik Area (Area L)

For chum salmon, the sampling plan included Eastern, Central, and combined Western and Perryville districts, with a single temporal stratum (June through July) in each area.

For sockeye salmon, samples were planned for 4 areas including Eastern District, Central District, Chignik Bay District and the combined Western and Perryville districts. We identified 6 temporal strata (June through July) for the Chignik Bay District and 4 temporal strata (through July) for both Eastern and Central districts. Initially 2 temporal strata were proposed for the combined Western and Perryville districts; however, at the January Board of Fisheries (BOF) meeting, regulations were changed to allow up to two openings during June in the Western District when it was previously closed. During the March 2008 WASSIP meeting, the Advisory Panel agreed to add sampling of the June Western District openings and a stratum was added for sampling beginning in 2008. Generally, samples from chum and sockeye salmon were taken at Trident Seafoods Plant and tenders in Chignik. In 2008, some chum and sockeye salmon samples from Western District were taken at the Trident Seafoods plant in Sand Point after a fire in the Chignik Plant destroyed the facility. In 2009, some chum and sockeye salmon samples from the Western District were taken on the Ocean Beauty tender and delivered to Ocean Beauty Alitak plant in Kodiak for processing.

Southeastern District Mainland (SEDM) area, Alaska Peninsula Area (Area M)

For chum salmon, the sampling plan included a single temporal stratum (July through early August) for the entire SEDM area. The SEDM area includes the following sections: East Stepovak, Stepovak Flats, Northwest Stepovak Section, Southwest Stepovak, Balboa Bay, and Beaver Bay.

For sockeye salmon, the sampling plan included: East Stepovak and Stepovak Flats sections, combined; Northwest Stepovak Section; and Southwest Stepovak, Balboa Bay, and Beaver Bay sections, combined. Initially, samples were segregated into early and late strata (June and July). During the April 2007 WASSIP meeting, interest was expressed in determining stock composition in the SEDM during August. The Advisory Panel agreed to add August as a 3rd stratum during that meeting and August samples were collected for the 3 area strata during 2007 through 2009.

Samples from chum and sockeye salmon were taken at Trident Seafoods plant in Sand Point.

(June) Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District, Alaska Peninsula Area (Area M)

For chum salmon in the Shumagin Islands Section fishery, 5 temporal strata were identified. Most of the samples for the Shumagin Island Section were captured in statistical area 282-11. Sampling in the Dolgoi Island area was not initially identified by the Advisory Panel but the area was inadvertently sampled in 2006 and 2007 (sockeye salmon sampling in this area was in the plan; chum salmon harvest for 2006 and 2007 was only 6,000 fish). After examination of the chum salmon harvest levels, the Advisory Panel agreed with their initial decision to exclude Dolgoi Island chum salmon sampling and samples were not collected in 2008 and 2009. We do not report the 2006 and 2007 sampling results.

For chum salmon, our sampling plan included Ikatan area and Unimak District fisheries, with 5 temporal strata per area. Ikatan area included catches from statistical areas 284-45 through 284-99 while the Unimak District included all 285- areas.

For sockeye salmon, the sampling plan included Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District, with 3 temporal strata per area.

Samples from chum and sockeye salmon were taken at Trident Seafoods plant in Sand Point from Shumagin Islands Section. Samples from chum and sockeye salmon were taken at Peter Pan Seafoods plant and tenders in King Cove from Dolgoi Island area, Ikatan area, and Unimak District.

(Post-June) Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District, Alaska Peninsula Area (Area M)

For chum salmon, the sampling plan included Shumagin Islands Section with 3 temporal strata in July, Dolgoi Island area (a single temporal stratum in July), and Ikatan area (a single temporal stratum in July).

For sockeye salmon, sampling was initially planned for Shumagin Islands Section (3 temporal strata in July), Dolgoi Island area (1 temporal stratum in July), and Ikatan area (a single temporal stratum in July). At the April 2007 WASSIP meeting, specific interest concerning stock identification of August harvests in the Shumagin Islands Section and Dolgoi Island area was

expressed and the Advisory Panel agreed to add an additional stratum in August in both areas. During 2007 through 2008, 4 temporal strata were sampled from the Shumagin Islands and 2 temporal strata were sampled from the Dolgoi Islands area.

Samples from chum and sockeye salmon were taken at Trident Seafoods plant in Sand Point from Shumagin Islands Section. Samples from chum and sockeye salmon were taken at Peter Pan Seafoods plant and tenders in King Cove from Dolgoi Island area, Ikatan area, and Unimak District.

Northern District, Alaska Peninsula Area (Area M)

For chum salmon, the sampling plan included Bear River Section and the combined Three Hills Section and Ilnik Section area, with one temporal stratum (June through July) per area.

For sockeye salmon, 4 sampling areas were initially identified, including Bear River Section, Three Hills Section, Ilnik Section southern statistical area (316-20; southwest of Unangashak Bluffs) and Ilnik Section northern statistical area (316-25; between Unangashak Bluffs and Strogonof Point). At the February 2007 BOF meeting, a regulation change was made that allowed the Outer Port Heiden Section to open to commercial fishing. During the April 2007 WASSIP meeting, the Advisory Panel decided to add sampling of the Outer Port Heiden and samples were collected during 2007 through 2009. Each area had 3 temporal strata (June through July).

Samples from chum and sockeye salmon were taken at Peter Pan Seafoods plant in Port Moller and aboard tenders in the Northern District.

CENTRAL REGION FISHERIES

Bristol Bay Area (Area T)

The Bristol Bay Area includes all coastal and inland waters east of a line from Cape Newenham to Cape Menchikof (Figure 2). The Bristol Bay Area is divided into 5 districts: Ugashik, Egegik, Naknek-Kvichak, Nushagak, and Togiak. Commercial fisheries in Bristol Bay primarily target sockeye salmon; however, large numbers of chum salmon are also harvested.

For chum salmon, the sampling plan identified 3 areas: combined Eastside (Ugashik, Egegik, and Naknek-Kvichak), Nushagak, and Togiak districts. Five temporal strata (June through August) were identified for each area.

For sockeye salmon, the sampling plan included 5 areas: Ugashik, Egegik, Naknek-Kvichak, Nushagak, and Togiak districts. We identified 5 temporal strata (June through August) for each area.

ARCTIC-YUKON-KUSKOKWIM REGION FISHERIES

A program was designed to sample all selected commercial and subsistence salmon fisheries in marine and estuarine areas of Arctic-Yukon-Kuskokwim (AYK) Region from Kuskokwim Area northward to Kotzebue Area (Figures 3 to 7). For the major commercial fishing areas, 3 temporal strata were sampled. For Norton Sound-Port Clarence Area subdistricts (commercial) or communities (subsistence) with low catch and Kotzebue Area, there was only one temporal GSI stratum. Catch samplers were stationed at processors and aboard tenders to ensure access to area and fishing period-specific catches. Selected subsistence fisheries occur in marine areas of many communities on the Bering Sea coast and in Norton Sound where commercial fisheries do not

occur or would not be representative of migrating salmon. Norton Sound communities sampled include Stebbins, Saint Michael, Unalakleet, Shaktoolik, Moses Point, Golovin, Nome, Port Clarence, and Kotzebue (Figure 3). Bering Sea coastal communities sampled include Mekoryuk, Toksook Bay, Hooper Bay, and Scammon Bay. Samples of chum salmon from subsistence catch in these communities were collected by subsistence fishers or other village residents in each community contracted to sample their own catch and those of neighbors. ADF&G biologists made trips to each village to contract samplers, issue sampling kits, and collect samples.

Kuskokwim Area (Area W)

For chum salmon in the Kuskokwim Area commercial fishery (Figure 4), we identified 3 sampling areas, including District 5 (Goodnews Bay), District 4 (Quinhagak), and District 1 (the lower Kuskokwim River below Bethel), with 3 temporal strata (June through August) per area. Because commercial and marine subsistence fisheries in Kuskokwim Bay and lower Kuskokwim River occur at the same time and areas, samples from the commercial fishery are valid proxies for subsistence catch in these areas. For subsistence chum salmon fisheries in Bering Sea coastal communities, 2 areas with a single temporal stratum were identified, including Mekoryuk and Toksook Bay (Figure 3).

For sockeye salmon in the Kuskokwim Area commercial fishery, samples from Districts 5 and 4 were partitioned into 3 temporal strata (June through August) each (Figure 4).

Yukon-Northern Area (Area Y)

For summer-run chum salmon in the Yukon-Northern Area commercial fishery, sampling efforts were directed to marine areas of the lower Yukon River (marine areas of District 1 exclusive of Black River) and marine segments of the Black River in District 1 (Figure 5). Three temporal strata (June and July) per area were identified. Because tenders in the lower Yukon may receive fish from marine and nonmarine areas of District 1, catch in the marine areas was estimated as a proportion of total catch. Based on input from managers and buyers, total catches in 3 statistical areas (334-12, 334-15, and 334-16) were discounted as 35%, 25% and 20% of the total, respectively representing catch taken in marine areas. All genetic samples were sampled exclusively from marine catches. Because commercial and subsistence fisheries in District 1 occur in the same areas, samples from commercial catch are valid proxies for subsistence catch.

For chum salmon subsistence fisheries in Bering Sea coastal communities in the Yukon area, 2 areas with a single temporal stratum were identified including Hooper Bay and Scammon Bay (Figure 3).

For fall-run chum salmon in the Yukon-Northern Area commercial fishery, 2 areas with 3 temporal strata (July and August) per area were identified including marine areas of lower Yukon River (District 1 excluding Black River) and marine segments of the Black River in District 1.

Norton Sound-Port Clarence Area (Area Z)

For chum salmon in the Norton Sound-Port Clarence Area commercial fishery, the sampling plan addressed 4 subdistricts within the Norton Sound District: Subdistrict 6 (Unalakleet), Subdistrict 5 (Shaktoolik), Subdistrict 3 (Moses Point), and Subdistrict 2 (Golovin; Figure 6). Subdistrict 1 (Nome) was excluded from the WASSIP sampling plan because no commercial chum salmon fishing is allowed by regulation. Subdistrict 4 (Norton Bay) was excluded because commercial

fishing targeting chum salmon only occurred in 2009. Subdistricts 5 and 6 had 3 temporal strata per area while subdistricts 2 and 3 had a single temporal stratum each. Samples were collected by an ADF&G employee stationed in Unalakleet. Since marine subsistence fisheries in the sampled subdistricts occur in the same areas and times as the commercial fisheries and stock composition of commercial fisheries are considered to be applicable to the marine subsistence catch, samples from commercial catches are a valid proxy for subsistence catches.

For chum salmon in the Norton Sound-Port Clarence Area subsistence fishery, catch samples from 4 communities (Stebbins, Saint Michael, Nome, and Port Clarence) were assembled into a single temporal stratum for each.

Kotzebue Area (Area X)

For chum salmon in the Kotzebue Sound Area commercial fishery (Figure 7), a single temporal collection was assembled each year from catch in the Kotzebue Sound District.

RESULTS AND DISCUSSION

WESTWARD REGION FISHERIES

Marine chum and sockeye salmon fisheries in Chignik Area and Alaska Peninsula Area were sampled from 2006 to 2009. For chum salmon, 55,381 samples were collected in 107 strata over 4 years of sampling (Table 1). For sockeye salmon, 104,729 samples were collected from 183 strata (Table 1). This represents an extensive and comprehensive set of tissue samples from chum and sockeye salmon from mixed stock fisheries in marine waters of Chignik Area and Alaska Peninsula Area.

Chignik Area (Area L)

For chum salmon, 3 strata (3 areas, one time period each) were targeted for sampling each year in the Chignik Area fisheries (Table 2). In the Eastern District, catches of chum salmon were generally smaller (less than 21,000 per year) and catches were not sampled (2006 and 2008), or sample sizes were less than targets (2007 and 2009; Table 2). The target sampling objectives were achieved in all selected strata for the Central District and combined Western and Perryville districts from 2007 to 2009. Samples fell short of objectives for these areas in 2006. Sampling details are provided in Appendix A.

For sockeye salmon, 16 strata (4 areas, 2 to 6 time periods per area) were targeted for sampling each year in the Chignik Area fishery (Table 3). In Eastern District, catch was greater than 3,000 fish only in 2007 and 2009, so no samples were taken in 2006 or 2008. In 2007 and 2009, the 3 selected strata were collapsed into a single stratum and sampling objectives were met for the single stratum only in 2007. In the Central District, sample objectives were achieved in all but one of the 16 selected strata (Table 3). In Chignik Bay District, samples were achieved in all strata fished from 2006 to 2009. For Western and Perryville districts, targeted strata were increased from 2, in the original plan to 3. Sample objectives were achieved in all but 2 of these 12 strata that were fished (2 strata were closed) over the 4-year period. Sampling details are provided in Appendix B.

Southeastern District Mainland (SEDM) area, Alaska Peninsula Area (Area M)

For chum salmon, one stratum (combined areas, one time period) was targeted for sampling each year in the SEDM fishery (Table 4). The target sampling objectives were achieved in 2006, 2008

and 2009; however, the area was closed and not sampled in 2007. Sampling details are provided in Appendix C.

For sockeye salmon, 9 strata (3 areas, 3 time periods per area) were targeted for sampling each year in the SEDM fishery (Table 5). The target sampling objectives were missed in only 4 strata that were fished over the 4-year period; however, there were extensive closures in the SEDM for all of the WASSIP sampling years (16 strata closed) and one stratum caught few fish (127 fish). Sampling details are provided in Appendix D.

(June) Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District, Alaska Peninsula Area (Area M)

For chum salmon, 15 strata (3 areas with 5 time periods per area) were targeted for sampling each year in the Shumagin Islands Section, Ikatan area, and Unimak District June fishery (Table 6). Sampling objectives were achieved in all but 10 strata that were fished (Table 6). Six of these 10 occurred in 2006 due to low harvests in the Ikatan area and Unimak District. The 4 strata in which sampling goals were not met between 2007 and 2009 represented small catches. A price dispute between fishermen and processors during 2008 resulted in some strata with little or no fishing effort. Sampling details are provided in Appendix E.

For sockeye salmon, 12 strata (4 areas, 3 time periods per area) were targeted for sampling each year in the Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District June fishery (Table 7). The target sampling objectives were mostly achieved for all years, though sample sizes were less than target in 11 strata over all years (Table 7). All strata were fished in 2007 and 2009, but in 2006 one stratum was not sampled due to very low harvests and in 2008 two strata were not sampled because of low effort caused by the price dispute. Sampling details are provided in Appendix F.

(Post-June) Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District, Alaska Peninsula Area (Area M)

For chum salmon, 5 strata (one area with 3 time periods and 2 areas with one time period) were targeted for sampling each year in the Shumagin Islands Section, Dolgoi Island area, and Ikatan area post-June fishery (Table 8). The target sampling objectives were achieved in all but 3 strata over the 4-year sampling period (Table 8). Sampling details are provided in Appendix G.

For sockeye salmon, 7 strata (one area with 4 time periods, one area with 2 time periods and one area with one time period) were targeted for sampling each year in the Shumagin Islands Section, Dolgoi Island area, and Ikatan area post-June fishery (Table 9). All strata were fished from 2007 to 2009. In 2006, the August stratum in the Shumagin Islands Section and Dolgoi Island area were not in the sampling plan and samples were not collected (Table 9). The target sampling objectives were achieved in all but 5 strata that were in the sampling plan and fished for all years (Table 9). Sampling details are provided in Appendix H.

Northern District, Alaska Peninsula Area (Area M)

For chum salmon, 2 sampling strata (2 areas, one time period per area) were targeted each year in the Northern District (Table 10). Sample targets were achieved in 2006, but fell short for Bear River Section in 2007 (Table 10). Sample targets were not achieved in 2008 because the fishery was closed in these areas due to poor sockeye salmon runs. Despite low catches in 2009,

objectives were achieved in Bear River Section, but were below target for Three Hills Section. Sampling details are provided in Appendix I.

For sockeye salmon, 15 strata (5 areas, 3 time periods per area) were targeted for sampling each year in the Northern District fishery. In 2006, samples were achieved in all strata that were fished (11), except for slightly less than target in Three Hills Section (Table 11). In 2007, 11 of 13 strata that were fished were sampled, though sample size was slightly less than target in Bear River Section and the Ilnik Section, southern statistical area, stratum (Table 11). In 2008 and 2009, samples were mostly achieved in all strata (7 in 2008; 14 in 2009) that were fished, but Ilnik Section (both southern and northern statistical areas) and Three Hills Section fell short of targets in some strata and the Outer Port Heiden Section fell short in one stratum (Table 11). Sampling details are provided in Appendix J.

CENTRAL REGION FISHERIES

Bristol Bay Area (Area T)

Marine chum and sockeye salmon fisheries in Bristol Bay Area were sampled from 2006 to 2009. For chum salmon, 35,433 samples were collected from 56 strata over the 4 years of sampling (Table 12). For sockeye salmon, approximately 64,638 samples were collected from 105 strata (Table 12).

For chum salmon, 15 strata (3 areas, 5 time periods per area) were targeted for sampling each year in the Bristol Bay Area fishery (Table 13). Target sampling objectives were achieved in all but 2 strata for years 2007 to 2009. However, in 2006, sampling objectives were achieved in only one of 11 strata sampled. This was due to insufficient samplers to cope with low numbers of chum salmon in the catch relative to the vastly more abundant sockeye salmon. Sampling details are provided in Appendix K.

For sockeye salmon, 25 strata (5 areas, 5 time periods per area) were targeted for sampling each year in the Bristol Bay Area fishery (Table 14). Target sampling objectives were achieved in Ugashik, Egegik and Naknek-Kvichak districts from 2006 to 2009 in all but 12 of the original selected strata (Table 14). Additional strata were sampled that represented restricted fishing areas, such as the Alagnak SHA, Kvichak Section, and Igushik Section for some years. In 2009, one additional temporal stratum was added to both the Egegik District and the Naknek-Kvichak District catches. Additional samples were also collected in the Alagnak River SHA in 2006 and in the Kvichak Section in 2006, 2008, and 2009. In 2009, 2 additional temporal strata were sampled in the Nushagak District. Additional samples were collected in the Igushik Section in 2006. In Nushagak District, sampling objectives were achieved in all selected strata for 2006 and 2007, but in only 6 of 12 strata in 2008 and 2009 (Table 14). In Togiak District, over the 4 years of sampling, 2 of 20 strata were not sampled, and samples collected were below objectives for 5 strata, particularly in 2006. Only 3 strata were identified in 2009. Sampling details are provided in Appendix L.

ADF&G conducted a GSI analysis of the Bristol Bay Area sockeye salmon catch from 2006 to 2008 (Dann et al. 2009). Sampling strata used in that study conform to the WASSIP sampling plan; however 190 samples were collected per time-area stratum compared to 400 samples per time-area stratum for the WASSIP study. The samples selected for genetic analysis were increased by 210 per stratum to meet the WASSIP objectives of 400 per stratum. Sampling details are provided in Appendix L.

ARCTIC-YUKON-KUSKOKWIM REGION FISHERIES

Marine chum and sockeye salmon commercial and subsistence fisheries in the AYK Region were sampled from 2006 to 2009. For chum salmon, 52,444 samples were collected in 115 strata over the 4 years of sampling (Table 15). For sockeye salmon, 13,156 samples were collected from 19 strata in Kuskokwim Area marine fisheries (Table 15). Samples obtained fell short of goals for a number of time and area strata in subsistence fisheries of AYK Region. Subsistence fishing occurs at irregular times over the season and sampling was often dependent upon participation from subsistence fishers themselves. Although sampling gaps exist for some selected subsistence fisheries, catches are generally small compared to selected commercial fisheries. The number of samples obtained, while not always meeting objectives, often represented a relatively large proportion of the catch. Also, because commercial and subsistence fishing are often conducted simultaneously and in the same areas in AYK Region, commercial catch sampling, if available, is a valid proxy for subsistence catch in that area.

Kuskokwim Area (Area W)

For chum salmon, 9 strata (3 areas, 3 time periods per area) were targeted for sampling each year in the Kuskokwim Area commercial fishery (Table 16). In District 5 (Goodnews Bay) samples obtained fell short of objectives in most strata for 2006 and 2007 and no sampling occurred in 2008 for sockeye or chum salmon, but sampling objectives were met in two of the three strata in 2009 (Table 16). In District 4 (Quinhagak) sample objectives were achieved in all years. Inability to achieve sampling objectives stemmed from logistical difficulties in stationing samplers and gaining access to catch. In District 1 (lower Kuskokwim River) sampling objectives were met in all but 2 strata where catch occurred. There was no commercial fishery in District 1 for 2007, and samples were obtained from test fisheries. Sampling details are provided in Appendix M.

For chum salmon, subsistence sample objectives were achieved in one of 4 years (2006) for Mekoryuk and were less than objectives in 3 of 4 years for Toksook Bay (Table 16). Although subsistence samples were generally below the target of 400 per strata, we expect the level of precision to be generally above precision targets, because samples represented a large component of the catch. Catch levels are not specifically known for the Bering Sea coastal communities in the Kuskokwim Area; however they are believed to be a few hundred and are comparable in magnitude to the number of samples taken (Doug Molyneaux, ADF&G, Anchorage, personal communication).

For sockeye salmon, 6 strata (2 areas, 3 time periods per area) were targeted for sampling each year in the Kuskokwim Area commercial fishery (Table 17). In District 5 (Goodnews Bay) sample size objectives were achieved for 3 of 6 strata during 2007 and 2009, but almost no sampling occurred in 2006 or 2008. In District 4 (Quinhagak) sample sizes were achieved in all but 2 strata over all years. Sampling details are provided in Appendix N.

Yukon-Northern Area (Area Y)

For summer-run chum salmon commercial fisheries, 6 strata (2 areas, 3 time periods per area) were targeted for sampling each year in the Yukon-Northern Area (Table 18). In the marine areas of District 1 (outer portions of river mouth statistical areas) sampling objectives were achieved in strata with chum salmon catch for 2007 and 2008. Sampling fell short of objectives in 2006 because available samplers had difficulty meeting tender delivery schedules, and again in 2009

because of limited commercial fishing effort. Regardless, we managed to sample approximately 10–15% of the catch for each chum stratum in 2009. In the Black River area of District 1, fishing was limited and partial sampling objectives were achieved in 2006 and 2007 with only one stratum meeting the sampling objectives. No samples from the Black River were taken in 2008 and 2009 because of low catch. Sampling details are provided in Appendix O.

For summer-run chum salmon subsistence fisheries in the Bering Sea coastal communities of the Yukon Area, 2 strata (2 areas, one time period per area) were targeted for sampling each year. Sample sizes close to objectives were achieved each year in Hooper Bay and 2 out of 4 years in Scammon Bay (Table 18). Although subsistence samples were generally below the target in some areas, the level of precision meets objectives because samples were a relatively large component of catches sampled.

For fall-run chum salmon commercial fisheries, 6 strata (2 areas, 3 time periods per area) were targeted for sampling each year in the Yukon-Northern Area (Table 19). In District 1, excluding Black River, samples were achieved in 6 of 11 strata fished over all years. No samples from District 1, Black River only, were taken for the two strata with catch. Catch of fall-run chum salmon in District 1, Black River only, totaled 185 fish. Sampling details are provided in Appendix O.

Norton Sound-Port Clarence Area (Area Z)

For chum salmon in the Norton Sound-Port Clarence Area commercial fishery, the sampling plan sampled in 4 subdistricts within the Norton Sound District: Subdistrict 6 (Unalakleet), Subdistrict 5 (Shaktoolik), Subdistrict 3 (Moses Point) and Subdistrict 2 (Golovin; Table 20). Within these subdistricts, sampling was divided into 3 time periods in 2 subdistricts and one time period for the other 2 subdistricts. Sampling objectives were partially achieved in most subdistricts where catch occurred, however, there were several strata where sampling objectives were only partially achieved as catch was small, from several hundred to a few thousand fish. Sampling details are provided in Appendix P.

For chum salmon subsistence fisheries in the Bering Sea coastal communities of the Norton Sound-Port Clarence Area, there were 4 strata (4 areas, one time period per area) targeted for sampling each year (Table 21). One additional stratum was sampled in 2006 (Subdistrict 6) and 2 additional strata were sampled in 2007 (Subdistricts 5 and 3). Commercial fishery sampling from Unalakleet, Shaktoolik, Moses Point and Golovin were used as proxies for subsistence sampling in these communities, because the commercial and subsistence fisheries take place at the same time and in the same areas. Sampling results for chum salmon in Unalakleet and Shaktoolik were poor in 2007. Moses Point and Golovin subdistricts were especially difficult to sample, with adequate results for only 4 of 11 combined commercial and subsistence strata where catches occurred. For the remaining subsistence fisheries in Stebbins, Saint Michael, Nome, and Port Clarence, few samples were taken in 2009, and sample objectives were generally less than targets over the 4-year WASSIP sampling period. Subsistence catch in these communities was very low during the 4-year WASSIP sampling period and partial samples, although below the 400-fish target, represent a substantial portion of the catch (Table 20) and the level of sampling precision meets WASSIP objectives.

Kotzebue Area (Area X)

For chum salmon in the Kotzebue Area commercial fishery, samples representing a single temporal stratum were collected in Kotzebue Sound District each year (Table 21). Sampling objectives were met in all 4 years. Sampling details are provided in Appendix Q.

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The WASSIP effort to sample commercial and subsistence marine fisheries of western Alaska in 4 consecutive years was a massive undertaking involving dozens of samplers. We recognize that important results produced by WASSIP analyses would not be possible without their contribution and dedication. The authors also thank the WASSIP Advisory Panel and Technical Committee for constructive input and guidance during the sampling phase of this project.

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TABLES

Table 1.—Chum and sockeye salmon, 2006-2009, Westward Region: Summary of sampled strata, number of samples collected, and number of samples selected for genetic analysis, provided by species and by fishery for the Western Alaska Salmon Stock Identification Project.

Fishery	2006			2007			2008			2009			Total		
	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected
Chum Salmon															
Chignik Area	2	613	0	3	1,448	1,008	2	1,676	800	3	1,946	968	10	5,683	2,776
SEDM ^a	1	802	0	0	0	0	2	919	400	2	551	400	5	2,272	800
N. AK Peninsula ^b	2	1,381	0	2	751	713	0	0	0	2	818	585	6	2,950	1,298
S. AK Peninsula June ^c	18	8,007	0	20	10,375	6,000	13	6,503	5,000	15	8,294	5,715	66	33,179	16,715
S. AK Peninsula post-June ^d	5	2,583	0	5	2,725	1,900	5	2,978	2,000	5	3,011	1,934	20	11,297	5,834
Total	28	13,386	0	30	15,299	9,621	22	12,076	8,200	27	14,620	9,602	107	55,381	27,423
Sockeye Salmon															
Chignik Area	12	5,162	4,800	13	7,726	5,199	12	6,777	4,377	14	8,137	0	51	27,802	14,376
SEDM ^a	4	2,138	1,400	2	2,000	801	5	3,404	1,800	7	4,764	0	18	12,306	4,001
N. AK Peninsula ^b	11	7,447	4,262	11	7,334	4,290	7	3,149	2,713	14	6,461	0	43	24,391	11,265
S. AK Peninsula June ^c	11	5,842	4,282	12	7,103	4,701	10	5,193	3,603	12	7,136	0	45	25,274	12,586
S. AK Peninsula post-June ^d	5	1,937	1,650	7	4,337	2,699	7	4,336	2,550	7	4,346	0	26	14,956	6,899
Total	43	22,526	16,394	45	28,500	17,690	41	22,859	15,043	54	30,844	0	183	104,729	49,127

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area.

^b Bear River, Three Hills, Ilnik, and Outer Port Heiden sections, Northern District, Alaska Peninsula Area.

^c Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District, Alaska Peninsula Area.

^d Shumagin Islands Section, Dolgoi Island area, and Ikatan area, Alaska Peninsula Area.

Table 2.—Chum salmon, 2006-2009, Chignik Area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006			2007			2008			2009		
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Eastern District	1	6/15-7/6	776	No Samples		6/25-7/5	7,183	208	208	6/28-7/31	8,869	No Samples	
	Late Catch	>8/5	0	Not in Plan		>8/5	668	Not in Plan		>8/1	50,056	Not in Plan	
Central District	1	6/16-7/28	8,339	276	0	6/15-7/31	14,091	602	400	6/24-7/31	30,172	534	400
	Late Catch	>8/5	1,116	Not in Plan		>8/5	5,504	Not in Plan		>8/5	9,958	Not in Plan	
Chignik Bay District	Season	6/8-8/29	0	Not in Plan		6/9-9/5	3,828	Not in Plan		6/9-9/16	13,453	Not in Plan	
Western and Perryville districts	1	7/11-28	45,944	337	0	7/9-31	32,016	638	400	6/24-7/31	57,333	1,142	400
	Late Catch	>8/5	3,152	Not in Plan		>8/1	15,262	Not in Plan		>8/1	39,484	Not in Plan	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

Table 3.—Sockeye salmon, 2006-2009, Chignik Area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Eastern District	1	6/15-25	2,778	No Samples		6/25-7/5	29,882	608	400	6/28	560	No Samples		7/1-31	29,504	200	0
	Late Catch	>7/6	340	Not in Plan		>7/6	0	Not in Plan		>7/21	1,719	Not in Plan		>8/6	396	Not in Plan	
Central District	1	6/16-17	4,122	400	400	6/15-17	4,612	401	400	6/24-25	7,350	400	400	6/20-24	12,816	601	0
	2	6/26-30	41,988	400	400	6/25-7/2	15,953	400	400	6/26-7/1	24,296	200	200	6/26-7/3	47,383	600	0
	3	7/2-11	26,607	400	400	7/3-16	39,388	600	400	7/4-10	22,887	600	400	7/4-13	44,270	600	0
	4	7/13-28	25,121	421	400	7/20-31	58,070	809	400	7/18-31	16,525	600	400	7/14-31	65,673	600	0
	Late Catch	>8/5	5,434	Not in Plan		>8/1	20,796	Not in Plan		>8/1	12,053	Not in Plan		>8/1	21,469	Not in Plan	
Chignik Bay District	1	6/8-19	105,006	400	400	6/9-19	45,221	700	400	6/9-25	55,871	600	400	6/12-24	146,087	600	0
	2	6/25-28	132,178	600	400	6/22-26	39,470	600	400	6/26-7/1	114,252	600	400	6/26-30	171,245	600	0
	3	6/29-7/4	116,238	400	400	6/28-7/4	78,118	600	400	7/4-5	43,296	600	400	7/1/-4	54,990	600	0
	4	7/5-10	62,390	400	400	7/5-11	66,463	600	400	7/6-10	61,138	600	400	7/5-6	27,076	400	0
	5	7/11-19	87,291	500	400	7/12-16	78,697	600	400	7/11-17	Closed	No Samples		7/10-13	60,134	600	0
	6	7/21-31	156,065	400	400	7/20-31	141,849	600	400	7/18-31	88,042	600	400	7/14-31	271,339	800	0
	Late Catch	>8/5	67,314	Not in Plan		>8/1	95,438	Not in Plan		>8/1	164,427	Not in Plan		>8/1	138,942	Not in Plan	
Western and	1	<7/9	Closed	No Samples		<7/8	Closed	No Samples		6/24-30	20,421	1,200	400	6/22-28	64,844	800	0
Perryville districts	2	7/11-16	30,032	400	400	7/9-15	59,684	608	400	7/5-9	14,170	177	177	7/10-14	21,029	600	0
	3	7/20-28	32,347	441	400	7/20-31	48,923	600	400	7/21-31	15,793	600	400	7/15-31	16,681	341	0
	Late Catch	>8/6	7,191	Not in Plan		>8/1	11,698	Not in Plan		>8/1	24,470	Not in Plan		>8/1	4,134	Not in Plan	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

Table 4.—Chum salmon, 2006-2009, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
SEDM ^a	1	7/20-28	23,592	802	0	<7/31	Closed	No Samples		7/3-31	26,347	469	400	7/1-31	50,968	551	400
	Late Catch	>8/3	41,238	Not in Plan		>8/1	40,649	Not in Plan		>8/1	45,916	450	0	>8/4	99,953	Not in Plan	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Southeastern District Mainland (SEDM) area includes: East Stepovak, Stepovak Flats, Northwest Stepovak, Balboa Bay, Beaver Bay, and Southwest Stepovak sections.

Table 5.—Sockeye salmon, 2006-2009, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area ^a	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
East Stepovak and Stepovak Flats sections	1	7/1-19	Closed	No Samples		7/1-19	Closed	No Samples		7/1-19	Closed	No Samples		7/1-8	Closed	No Samples	
	2	7/20-21	50,823	800	400	7/20-31	Closed	No Samples		7/20-25	Closed	No Samples		7/9-25	32,712	584	0
	3	7/26-8/23	94,661	300	300	8/1-20	72,315	900	401	7/26-8/20	61,811	1,083	400	7/26-8/24	49,336	1,251	0
	Late Catch	>9/1	31,272	Not in Plan		>9/1	14,150	Not in Plan		>9/1	14,287	Not in Plan		>9/1	6,545	Not in Plan	
Northwest Stepovak Section	1	7/1-7	Closed	No Samples		7/1-7	Closed	No Samples		7/3-5	6,616	200	200	7/1-7	44,915	200	0
	2	7/8-8/9	Closed	No Samples		7/8-8/5	Closed	No Samples		7/7-25	25,053	402	400	7/8-25	46,448	400	0
	3	8/10-23	5,680	No Samples		8/6-16	127	No Samples		7/26-8/20	10,245	619	400	7/26-8/23	15,507	557	0
	Late Catch	>9/1	4,590	Not in Plan		>9/1	1,584	Not in Plan		>9/1	928	Not in Plan		>9/1	916	Not in Plan	
Southwest Stepovak, Balboa Bay, and Beaver Bay sections	1	7/1-19	Closed	No Samples		7/1-19	Closed	No Samples		7/1-19	Closed	No Samples		7/1-8	Closed	No Samples	
	2	7/20-21	26,690	738	400	7/20-31	Closed	No Samples		7/20-25	Closed	No Samples		7/9-25	27,690	1,000	0
	3	7/26-8/23	62,253	300	300	8/1-20	73,512	1,100	400	7/26-8/20	46,093	1,100	400	7/26-8/23	18,701	772	0
	Late Catch	>9/1	9,732	Not in Plan		>9/1	5,610	Not in Plan		>9/1	4,146	Not in Plan		>9/1	1,217	Not in Plan	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Southeastern District Mainland area includes: East Stepovak and Stepovak Flats sections, combined; Northwest Stepovak Section; and Balboa Bay, Beaver Bay, and Southwest Stepovak sections, combined.

Table 6.–Chum salmon, 2006-2009, (June), Shumagin Islands Section, Dolgoi Island area, Ikatan area, and Unimak District Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Shumagin Islands Section	1	6/7-10	15,969	602	0	6/7-10	36,967	618	400	<6/14 No Effort	No Samples			6/7-10	23,623	600	400
	2	6/12-15	53,323	600	0	6/12-15	30,625	661	400	6/14-15	12,832	400	400	6/12-15	156,305	600	400
	3	6/17-20	88,449	600	0	6/17-20	26,110	600	400	6/17-20	67,110	600	400	6/17-20	144,212	600	400
	4	6/22-25	20,370	592	0	6/22-25	26,341	612	400	6/22-25	26,886	600	400	6/22-25	117,372	579	400
	5	6/27-29	25,700	600	0	6/27-29	24,162	604	400	6/27-29	19,655	600	400	6/27-29	54,480	600	400
Ikatan area ^a	1	6/7-10	1,008	255	0	6/7-10	12,903	624	400	6/7-10	802	No Samples		6/7-10	3,583	129	129
	2	6/12-13	375	233	0	6/12-15	13,215	601	400	6/12-15	10,740	400	400	6/12-15	4,668	386	386
	3	6/17-20	6,329	342	0	6/17-20	10,608	600	400	6/17-20	10,379	530	400	6/17-20	18,949	600	400
	4	6/22-25	1,376	444	0	6/22-25	4,827	600	400	6/22-25	10,574	200	200	6/22-25	31,818	600	400
	5	6/27-29	1,018	421	0	6/27-29	2,253	600	400	6/27-29	2,949	594	400	6/27-29	16,081	600	400
Unimak District	1	6/7-10	7,289	222	0	6/7-10	15,003	600	400	6/7-10	24,272	600	400	6/7-10	9,918	600	400
	2	6/12-15	30,760	400	0	6/12-15	38,380	600	400	6/12-15	59,010	579	400	6/12-15	28,788	600	400
	3	6/17-20	35,259	603	0	6/17-20	40,875	600	400	6/17-20	70,795	600	400	6/17-20	41,324	600	400
	4	6/22-23	4,170	No Samples		6/22-25	9,468	600	400	6/22-25	63,535	400	400	6/22-25	11,147	600	400
	5	>6/23 Closed	No Samples			6/27	2,045	400	400	6/27-29	27,725	400	400	6/27-29	28,259	600	400

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Ikatan area included catches from statistical areas 284-45 through 284-99.

Table 7.—Sockeye salmon, 2006-2009, (June), Shumagin Islands Section, Dolgoi Island area^a, Ikatan area^b, and Unimak District, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Shumagin Islands Section	1	6/7-13	105,356	644	400	6/7-13	118,519	650	400	<6/14	No Effort	No Samples		6/7-13	107,617	670	0
	2	6/14-20	176,663	560	400	6/14-20	310,690	843	400	6/14-20	309,801	720	400	6/14-20	253,795	533	0
	3	6/22-29	159,219	607	400	6/22-29	422,989	601	400	6/22-29	339,204	600	400	6/22-29	211,285	604	0
Dolgoi Island area ^a	1	6/7-13	47,177	365	365	6/7-13	13,111	699	400	6/7-8	399	311	311	6/7-13	7,392	582	0
	2	6/14-20	78,065	624	400	6/14-20	19,576	501	400	6/14-20	12,742	622	400	6/14-20	14,534	621	0
	3	6/22-29	117,973	622	400	6/22-29	47,613	550	400	6/22-29	22,197	424	400	6/22-29	43,058	600	0
Ikatan area ^b	1	6/7-13	5,330	583	400	6/7-13	70,806	828	401	6/7-13	4,071	No Samples		6/7-13	18,943	534	0
	2	6/17-20	20,182	343	343	6/14-20	84,170	372	372	6/14-20	66,125	603	400	6/14-20	74,401	590	0
	3	6/22-29	13,326	446	400	6/22-29	31,351	328	328	6/22-29	112,885	222	222	6/22-29	77,218	601	0
Unimak District	1	6/7-13	57,171	374	374	6/7-13	122,908	727	400	6/7-13	94,413	921	400	6/7-12	38,847	727	0
	2	6/14-20	138,349	674	400	6/14-20	313,938	504	400	6/14-20	466,132	270	270	6/13-20	244,689	474	0
	3	6/22-23	13,480	No Samples		6/22-29	34,169	500	400	6/22-29	285,606	500	400	6/22-29	76,004	600	0

Note: Shaded cells indicate collections not included in the WASSIP analysis plan.

^a Dolgoi Island area included catches from statistical areas 284-00 through 284-42 and all 283-XX.

^b Ikatan area included catches from statistical areas 284-45 through 284-99.

Table 8.—Chum salmon, 2006-2009, (post-June), Shumagin Islands Section, Dolgoi Island area, Ikatan area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Shumagin Islands Section	1	7/6-12	102,750	600	0	7/6-12	27,921	600	400	7/6-12	31,574	533	400	7/3-9	28,065	333	333
	2	7/14-21	145,632	613	0	7/15-21	50,764	600	400	7/14-22	38,057	600	400	7/11-20	25,482	600	400
	3	7/23-31	94,478	620	0	7/23-31	57,805	600	400	7/23-8/5	46,778	695	400	7/21-31	64,953	800	401
	Late Catch	>8/3	51,072	Not in Plan		>8/1	30,721	Not in Plan		>8/6	22,004	Not in Plan		>8/1	105,309	Not in Plan	
Dolgoi Island area ^a	1	7/6-31	64,610	675	0	7/6-31	39,090	625	400	7/6-31	36,557	550	400	7/6-31	23,771	675	400
	Late Catch	>8/1	237,335	Not in Plan		>8/1	89,472	Not in Plan		>8/1	60,043	Not in Plan		>8/1	399,236	Not in Plan	
Ikatan area ^b	1	7/6-31	23,907	75	0	7/6-31	3,612	300	300	7/6-31	11,674	600	400	7/6-31	13,288	603	400
	Late Catch	>8/1	91,749	Not in Plan		>8/1	33,583	Not in Plan		>8/1	45,053	Not in Plan		>8/1	165,048	Not in Plan	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Dolgoi Island area included catches from statistical areas 284-00 through 284-42 and all 283-XX.

^b Ikatan area included catches from statistical areas 284-45 through 284-99.

Table 9.—Sockeye salmon, 2006-2009, (post-June), Shumagin Islands Section, Dolgoi Island area, Ikatan area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Shumagin Islands Section	1	7/6 - 12	113,843	405	400	7/6 -12	138,357	399	399	7/6 -12	64,152	399	399	7/3 -9	24,777	273	0
	2	7/14 -21	75,750	412	400	7/15 -21	100,331	401	400	7/14 -21	67,162	819	400	7/11 -21	62,129	532	0
	3	7/23 -31	85,702	620	400	7/23 -31	120,845	600	400	7/23 -31	19,235	150	150	7/23 -31	49,822	600	0
	4	8/3 -20	91,138	No Samples		8/1-19	39,975	1,300	400	8/1 -21	83,849	1,092	400	8/1 -23	53,180	1,053	0
Dolgoi Island area ^a	1	7/6 -31	228,307	450	400	7/6 -31	221,451	525	400	7/6 -31	29,060	525	400	7/6 -31	85,425	525	0
	2	8/1-15	17,914	No Samples		8/1 -26	11,916	812	400	8/1 -17	26,739	792	401	8/1 -25	7,603	970	0
Ikatan area ^b	1	7/6 -31	8,824	50	50	7/6 -31	19,992	300	300	7/6 -31	13,842	559	400	7/6 -31	18,545	393	0
	Late Catch	>8/1	5,779	Not in Plan		>8/2	13,117	Not in Plan		>8/1	28,715	Not in Plan		>8/1	4,436	Not in Plan	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Dolgoi Island area included catches from statistical areas 284-00 through 284-42 and all 283-XX.

^b Ikatan area included catches from statistical areas 284-45 through 284-99.

Table 10.—Chum salmon, 2006-2009, Northern District, Alaska Peninsula Area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Bear River Section	1	6/5-7/31	23,638	633	0	6/11-7/31	23,270	313	313	6/1-7/31	Closed	No Samples		6/8-7/28	14,154	633	400
	Late Catch	>8/4	8,142	Not in Plan		>8/6	6,238	Not in Plan		>8/11	3,201	Not in Plan		>8/6	4,035	Not in Plan	
Three Hills and Ilnik sections	1	6/25-7/31	42,204	748	0	6/20-7/31	36,278	438	400	6/30-7/11	5,831	No Samples		6/27-7/28	12,818	185	185
	Late Catch	>8/5	3,817	Not in Plan		>8/6	2,474	Not in Plan		>8/6	706	Not in Plan		>8/6	2,263	Not in Plan	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

Table 11.—Sockeye salmon, 2006-2009, Northern District, Alaska Peninsula Area, Westward Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
		Samples		Period	Harvest	Samples		Period	Harvest	Samples		Period	Harvest	Samples		Period	Harvest
Stratum	Stratum	Collected	Selected			Collected	Selected			Collected	Selected			Collected	Selected		
Bear River Section	1	6/5-7/8	16,020	400	400	6/11-13	5,238	No Samples		6/1-24	Closed	No Samples		6/8-24	100,539	733	0
	2	7/9-17	156,374	880	400	7/14-19	76,652	313	313	6/25-7/19	Closed	No Samples		7/2-11	193,360	724	0
	3	7/18-31	189,933	800	400	7/20-31	115,464	390	390	7/20-8/10	Closed	No Samples		7/12-28	190,507	634	0
	Late Catch	>8/4	214,225	Not in Plan		>8/6	420,048	Not in Plan		>8/11	417,261	Not in Plan		>8/6	168,467	Not in Plan	
Three Hills Section	1	<7/4	Closed	No Samples		<7/4	Closed	No Samples		<7/4	Closed	No Samples		<7/14	Closed	No Samples	
	2	7/4-17	64,963	339	339	7/4-14	Closed	No Samples		7/4-14	Closed	No Samples		7/14-17	16,153	256	0
	3	7/18-28	30,463	323	323	7/15-31	50,941	No Samples		7/15-8/9	Closed	No Samples		7/18-27	12,036	212	0
	Late Catch	>8/5	57,917	Not in Plan		>8/6	183,989	Not in Plan		>8/10	123,344	Not in Plan		>8/6	65,199	Not in Plan	
Ilnik Section southern statistical area	1	6/25-7/4	301,660	410	400	6/20-27	201,954	808	400	6/30-7/3	100,032	400	400	6/27-29	62,449	299	0
	2	7/5-17	327,913	870	400	6/28-7/7	484,898	550	400	7/4-11	151,246	455	400	7/4 -7	80,497	260	0
	3	7/18-31	63,937	946	400	7/10-31	239,612	387	387	7/12-7/31	Closed	No Samples		7/11-28	58,550	128	0
	Late Catch	>8/5	82,650	Not in Plan		>8/6	103,409	Not in Plan		>8/11	97,307	Not in Plan		>8/6	77,834	Not in Plan	
Ilnik Section northern statistical area	1	6/25-29	83,223	490	400	6/20-29	121,611	1,145	400	<7/1	Closed	No Samples		6/27-29	175,515	210	0
	2	7/3-14	336,573	990	400	7/2-14	454,834	738	400	7/1-4	300,554	379	379	7/4 -7	84,910	438	0
	3	7/17-28	115,945	999	400	7/16-31	158,781	770	400	7/5-11	199,551	334	334	7/11-27	99,019	972	0
	Late Catch	>8/6	6,000	Not in Plan		>8/6	11,331	Not in Plan		>8/11	36,944	Not in Plan		>8/7	13,150	Not in Plan	
Outer Port	1	6/20-30	Closed	No Samples		6/20-27	85,576	745	400	6/30-7/3	130,762	480	400	6/24-7/4	400,399	566	0
Heiden	2	7/1-15	Closed	No Samples		7/2-12	205,219	738	400	7/7-9	148,270	434	400	7/8-10	210,187	295	0
Section	3	7/16-31	Closed	No Samples		7/16-30	96,991	750	400	7/14-15	42,698	667	400	7/14-27	152,057	734	0

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

Table 12.—Chum and sockeye salmon, 2006-2009, Bristol Bay Area, Central Region: Summary of sampled strata, number of samples collected, and number of samples selected for genetic analysis, provided by species and by fishery for the Western Alaska Salmon Stock Identification Project.

Fishery	2006			2007			2008			2009			Total		
	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected
Chum Salmon															
Eastside districts ^a	4	1,320	0	5	2,329	1,989	5	4,593	2,000	5	3,425	2,001	19	11,667	5,990
Westside districts															
Nushagak District	5	896	0	5	4,339	2,685	5	4,499	3,090	5	3,986	3,200	20	13,720	8,975
Togiak District	2	400	0	5	4,282	2,000	5	3,213	2,000	5	2,151	1,850	17	10,046	5,850
Total	11	2,616	0	15	10,950	6,674	15	12,305	7,090	15	9,562	7,051	56	35,433	20,815
Sockeye Salmon															
Eastside districts															
Ugashik District	5	2,656	2,001	5	2,714	1,984	5	2,995	1,883	5	3,443	0	20	11,808	5,868
Egegik District	5	4,393	2,001	5	2,454	1,885	5	3,037	2,000	6	3,544	0	21	13,428	5,886
Naknek-Kvichak District	7	5,331	1,840	5	2,814	1,765	6	4,264	2,401	7	3,967	0	25	16,376	6,006
Westside districts															
Nushagak District	6	3,361	2,000	5	3,637	2,000	5	2,908	1,776	7	3,100	0	23	13,006	5,776
Togiak District	3	680	680	5	2,790	1,899	5	3,444	2,001	3	3,106	0	16	10,020	4,580
Total	26	16,421	8,522	25	14,409	9,533	26	16,648	10,061	28	17,160	0	105	64,638	28,116

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Ugashik, Egegik, Naknek-Kvichak districts.

Table 13.—Chum salmon, 2006-2009, Bristol Bay Area, Central Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Eastside districts ^a	1	6/12-7/1	42,710	253	0	6/12-26	19,748	389	389	6/9-26	17,283	897	400	6/15-25	26,739	654	400
	2	7/2-6	41,678	567	0	6/27-29	21,890	400	400	6/27-7/1	31,293	1,096	400	6/26-30	40,632	691	400
	3	7/7-12	174,290	179	0	6/30-7/5	53,548	400	400	7/2-10	117,073	1,947	400	7/1-6	58,075	920	401
	4	7/13-15	129,973	321	0	7/6-15	297,094	599	400	7/11-17	155,773	642	400	7/7-11	107,247	683	400
	5	7/16-8/31	391,401	0	0	7/16-8/31	391,663	541	400	7/18-8/21	144,031	489	400	7/12-8/31	206,012	477	400
Nushagak District	1	6/4-26	268,544	85	0	6/11-27	265,860	2,294	640	6/9-29	141,546	647	640	6/7-27	211,577	701	640
	2	6/27-7/5	603,288	170	0	6/28-7/7	472,835	630	630	6/30-7/5	157,623	758	640	6/28-7/2	252,478	740	640
	3	7/6-11	243,401	143	0	7/8-12	144,692	419	419	7/6-11	134,421	1,920	640	7/3-4	69,026	1,036	640
	4	7/12-16	96,226	160	0	7/13-17	51,215	453	453	7/12-15	45,039	644	640	7/5-9	125,675	709	640
	5	>7/17	28,711	338	0	7/18-8/12	18,680	543	543	7/16-8/15	13,701	530	530	7/10-8/18	86,327	800	640
Togiak District	1	6/19-28	28,273	200	0	6/18-28	10,514	580	400	6/18-27	6,067	435	400	6/22-30	8,584	534	400
	2	6/30-7/6	58,617	200	0	7/2-9	66,310	846	400	6/30-7/4	47,097	592	400	7/1-2	10,078	450	400
	3	7/7-12	40,162	0	0	7/10-15	36,473	722	400	7/5-11	73,635	629	400	7/3-7	17,019	250	250
	4	7/13-18	38,325	0	0	7/16-20	33,326	600	400	7/12-16	57,148	474	400	7/8-11	24,694	506	400
	5	7/19-8/31	57,987	0	0	7/21-8/4	55,863	1,534	400	7/17-8/6	118,020	1,083	400	7/13-8/27	80,996	411	400

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Ugashik, Egegik, Naknek-Kvichak districts.

Table 14.—Sockeye salmon, 2006-2009, Bristol Bay Area, Central Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area Stratum	Temporal Stratum	2006				2007				2008				2009			
		Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Ugashik District	1	6/12-7/2	176,394	455	400	6/12- 25	55,428	406	400	6/16- 29	160,422	1,020	400	6/9-7/2	464,673	1,565	0
	2	7/4- 7	382,796	681	401	6/29-7/1	288,631	383	383	7/2 -7/3	364,550	288	288	7/3- 6	689,417	670	0
	3	7/8- 11	512,849	480	400	7/2- 7	1,274,764	700	400	7/4- 10	1,265,549	860	400	7/7- 9	658,265	426	0
	4	7/12- 16	537,147	440	400	7/8- 11	1,162,109	439	400	7/11- 13	277,143	395	395	7/10- 12	356,093	284	0
	5	7/17-8/31	820,411	600	400	7/12-8/17	2,245,683	786	401	7/14-8/31	266,358	432	400	7/13-8/10	386,815	498	0
Egegik District	1	6/12-7/1	1,419,201	1,799	401	6/12- 27	475,947	326	326	6/9- 26	600,533	652	400	6/9- 24	1,986,862	793	0
	2	7/2- 6	1,781,368	960	400	6/28-7/3	1,237,701	480	400	6/27- 29	1,092,595	409	400	6/25- 29	3,360,561	677	0
	3	7/7- 12	2,146,260	434	400	7/4- 8	2,115,321	480	400	6/30-7/5	3,178,947	706	400	6/30-7/5	3,428,762	720	0
	4	7/13- 15	1,043,036	480	400	7/9- 14	1,965,468	809	400	7/6- 8	1,233,792	431	400	7/6- 8	1,091,124	278	0
	5	7/16-8/31	1,018,368	720	400	7/15-8/31	701,471	359	359	7/9-8/31	1,298,018	839	400	7/9- 10	676,573	253	0
	6													7/11-8/18	983,580	823	0
Naknek-Kvichak District	1	6/19-7/9	2,209,098	2,584	400	6/12- 27	351,509	300	300	6/16- 7/1	1,576,189	924	400	6/15- 29	1,854,913	1,043	0
	2	7/10	235,526	240	240	6/28-7/8	3,922,415	720	400	7/2- 5	2,649,901	528	400	6/30-7/3	1,475,629	549	0
	3	7/11-7/13	2,035,734	700	400	7/9- 12	2,428,294	809	400	7/6- 9	2,545,988	508	401	7/4- 6	1,605,295	399	0
	4	7/14-7/17	1,335,678	919	400	7/13- 16	1,732,003	720	400	7/10- 14	1,881,391	851	400	7/7- 8	1,164,256	383	0
	5	7/18-8/25	1,089,931	524	400	7/17-8/21	588,290	265	265	7/15-8/31	1,009,609	809	400	7/9	395,447	287	0
	6	7/7- /12 ^a	45,975	164	0					6/19-7/29 ^b	718,766	644	400	7/10-8/31	1,271,413	1,067	0
	7	7/10-8/4 ^b	198,598	200	0									6/22-7/29 ^b	747,991	239	0
Nushagak District	1	6/11-6/29	2,577,971	696	400	6/9- 28	1,498,165	634	400	6/9-7/1	1,908,168	768	400	6/9- 25	894,088	239	0
	2	6/30-7/5	3,635,772	665	400	6/29-7/2	1,875,216	541	400	7/2- 3	1,252,366	288	288	6/26- 29	1,883,334	286	0
	3	7/6-7/10	2,689,416	720	400	7/3- 7	2,570,751	754	400	7/4- 6	1,097,706	288	288	6/30-7/1	716,527	275	0
	4	7/10-7/15	1,322,670	480	400	7/8- 12	1,830,266	620	400	7/7- 9	1,366,658	556	400	7/2- 3	1,348,447	287	0
	5	7/16-8/20	472,266	600	400	7/13-8/31	629,713	1,088	400	7/10-8/31	1,278,258	1,008	400	7/4- 8	1,762,599	757	0
	6	6/22-7/25 ^c	178,262	200	0									7/9- 11	593,496	526	0
	7													7/12-8/13	531,677	730	0
Togiak District	1	6/19-7/2	46,650	164	164	6/18-7/6	126,126	626	400	6/18-7/5	64,331	432	400	6/18-7/5	63,193	814	0
	2	7/3-7/10	127,445	250	250	7/7- 10	73,697	945	400	7/7- 12	133,406	940	400	7/6- 15	212,619	860	0
	3	7/11-7/16	116,860	0	0	7/13- 16	162,075	300	300	7/13- 19	194,162	1,132	401	7/16-9/10	283,630	1,432	0
	4	7/17-7/21	151,250	0	0	7/17- 21	144,030	520	400	7/20- 24	150,072	468	400				
	5	7/22-8/9	184,237	266	266	7/23-8/6	310,653	399	399	7/25-8/6	109,344	472	400				

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Alagnak River SHA only.

^b Kvichak Section only.

^c Igushik Section only.

Table 15.—Chum and sockeye salmon, 2006-2009, Arctic-Yukon-Kuskokwim Region, Norton Sound-Port Clarence Area, and Kotzebue Area: Summary of sampled strata, number of samples collected, and number of samples selected for genetic analysis, provided by species and by fishery for the Western Alaska Salmon Stock Identification Project.

Fishery	2006			2007			2008			2009			Total		
	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected	Strata	Collected	Selected
Chum Salmon															
Kuskokwim Area	9	4,940	0	10	5,430	3,530	7	3,657	2,765	10	8,369	3,409	36	22,396	9,704
Yukon-Northern Area															
Yukon Northern Area, summer	8	1,785	0	6	3,797	2,067	4	1,961	1,600	5	1,753	1,742	23	9,296	5,409
Yukon Northern Area, fall	3	1,439	0	2	1,233	800	3	1,502	1,100	2	610	610	10	4,784	2,510
Norton Sound/Kotzebue ^a	12	5,696	0	13	4,706	3,579	13	3,690	3,191	8	1,876	1,814	46	15,968	0
Total	32	13,860	0	31	15,166	9,976	27	10,810	8,656	25	12,608	7,575	115	52,444	26,207
Sockeye Salmon															
Kuskokwim Area	4	2,427	1,290	6	3,760	2,198	3	1,268	1,200	6	5,701	0	19	13,156	4,688
Total	4	2,427	1,290	6	3,760	2,198	3	1,268	1,200	6	5,701	0	19	13,156	4,688

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Norton Sound-Port Clarence and Kotzebue Area.

Table 16.–Chum salmon, 2006-2009, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Summary of commercial and subsistence fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
District 5	1	6/22-7/3	7,096	210	0	6/19-7/4	3,092	261	261	6/19-7/1	5,214	No Samples		6/22-30	4,028	794	400
Commercial	2	7/5-17	1,545	No Samples		7/6-16	2,213	194	194	7/5-16	2,331	No Samples		7/6-17	10,696	811	400
	3	7/19-9/1	2,927	251	0	7/18-8/31	2,546	337	337	7/21-8/29	2,863	No Samples		7/20-8/24	2,261	91	91
District 4	1	6/15-30	19,090	590	0	6/14-28	9,501	420	400	6/14-26	9,356	593	400	6/15-30	13,741	1,012	400
Commercial	2	7/3-17	9,589	839	0	7/2-16	18,338	818	400	7/1-14	25,144	629	400	7/6-15	41,409	1,686	402
	3	7/19-9/1	10,472	827	0	7/18-8/31	34,393	1,851	400	7/16-8/29	22,533	411	400	7/16-8/24	36,008	648	400
District 1	1	6/26-28	36,006	400	0	6/7-26	449 ^a	410	400	6/20-24	19,463	776	400	6/23-26	23,615	1,277	400
Commercial	2	6/29-7/31	0	No Samples		6/27-7/11	1,369 ^a	401	400	6/27	7,804	450	400	7/1-18	43,603	1,460	401
	3	8/1-30	8,064	743	0	7/12-8/24	12,209 ^a	363	363	7/12-8/25	3,249	365	365	7/28-8/22	9,572	475	400
Mekoryuk	1	6/29-7/4	NA	720	0		NA	No Samples			NA	No Samples			NA	No Samples	
Subsistence																	
Toksook Bay	1	6/2-4	NA	360	0	6/6-10	NA	375	375	6/20-24	600	433	400	6/13-7/20	NA	115	115
Subsistence																	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^aNo commercial fishery was conducted in District 1 in 2007; therefore, samples were obtained from test fisheries.

Table 17.–Sockeye salmon, 2006-2009, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
District 5	1	6/22-7/3	9,809	140	140	6/19-7/4	13,762	210	210	6/19-7/1	7,264	No Samples		6/22-30	6,186	828	0
Commercial	2	7/5-17	9,895	No Samples		7/6-16	16,557	388	388	7/5-16	11,165	No Samples		7/6-15	14,038	1,202	0
	3	7/19-9/1	10,153	No Samples		7/18-8/31	13,447	477	400	7/21-8/29	8,808	No Samples		7/16-8/24	12,320	254	0
District 4	1	6/15-30	25,131	349	349	6/14-7/2	16,671	420	400	6/14-7/8	23,301	435	400	6/15-30	17,361	1,190	0
Commercial	2	7/3-10	47,245	1,262	400	7/4-16	71,482	918	400	7/10-18	36,749	409	400	7/6-15	58,032	1,884	0
	3	7/17-9/1	33,932	676	401	7/18-8/31	21,364	1,347	400	7/21-8/29	9,693	424	400	7/16-8/24	36,760	343	0

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

Table 18.–Chum salmon, 2006-2009, (summer), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Summary of commercial and subsistence fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
District 1 Commercial	1	6/20	NA	160	0	6/19-22	1,548	606	400	<7/2	0	No Samples		6/29-7/2	2,560	351	351
marine areas	2	6/26-30	NA	319	0	6/26-7/2	7,867	1,897	400	7/2-5	1,973	539	400	7/3-8	2,551	300	300
excluding Black River	3	7/4-6	NA	261	0	7/6-15	2,367	407	400	7/8-14	2,639	622	400	7/10-15	1,729	300	300
District 1 Commercial	1	6/20	2,710	156	0	6/19-22	1,635	420	400	<7/2	0	No Samples		6/29-7/2	0	No Samples	
Black River only	2	6/26-30	1,422	157	0	6/26-7/2	2,080	120	120	7/2-5	580	No Samples		7/3-4	51	No Samples	
	3	7/4-6	178	83	0	7/6-15	9	No Samples		7/8-14	620	No Samples		7/10-11	679	No Samples	
Coastal District (Hooper Bay)	1	Season	19,468	425	0	Season	12,234	347	347	Season	12,007	400	400	Season	9,200	391	391
Subsistence																	
District 1 (Scammon Bay) ^a	1	Season	4,703	224	0	Season	3,887	No Samples		Season	6,117	400	400	Season	3,600	411	400
Black River																	
Subsistence																	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^aScammon Bay fishermen fish in Black River only.

Table 19.–Chum salmon, 2006-2009, (fall), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
District 1 Commercial	1	7/30-8/3	24,086	320	0	7/17-25	0	No Samples		7/17-25	13,066	530	400	7/18-22	6,810	308	308
marine areas	2	8/7-17	46,277	639	0	8/14-24	27,294	618	400	7/29-8/1	37,647	300	300	7/29-8/5	4,181	302	302
excluding Black River	3	8/20-9/5	30,891	480	0	8/26-9/9	11,558	615	400	8/26-9/10	16,991	672	400	9/6-10	920	No Samples	
District 1 Commercial	1	7/30-8/3	0			7/17-25	0			7/17-25	0			7/18-22	0		
Black River only	2	8/7-17	163	No Samples		8/14-24	0			7/29-8/1	22	No Samples		7/29-8/5	0		
	3	8/20-9/5	0			8/26-9/9	0			8/26-9/10	0			9/6-10	0		

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

Table 20.–Chum salmon, 2006-2009, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Summary of commercial and subsistence fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Commercial																	
Norton Sound District	1	7/21-25	1,483	300	0	7/18-21	2,003	400	400	7/8-15	1,522	350	350	7/8-15	4,942	300	300
Subdistrict 6	2	7/26-8/4	2,591	450	0	7/22-31	5,790	400	400	7/17-29	9,554	645	400	7/16-28	7,211	462	400
Unalakleet	3	8/6-9/14	2,647	1,172	0	8/5-9/7	3,995	No Samples		7/30-9/12	6,572	273	273	7/29-9/11	8,494	301	301
Subdistrict 5	1	7/21-25	1,808	400	0	7/18-21	1,294	200	200	7/9-22	1,816	276	276	7/10-21	7,631	150	150
Shaktoolik	2	7/26-8/1	915	300	0	7/22-8/2	2,868	600	400	7/23-8/5	2,208	350	350	7/22-8/4	2,069	151	151
	3	8/2-22	598	150	0	8/7-31	1,914	No Samples		8/6-9/9	2,018	574	400	8/5-9/11	1,241	107	107
Subdistrict 3 Moses Point	1	Closed		No Samples		7/10-8/29	4,567	800	400	7/5-8/30	304	198	198	8/7-9/4	597	No Samples	
Subdistrict 2 Golovin	1	Closed		No Samples		Closed		No Samples		7/1-8/22	623	215	215	8/7-8/26	87	No Samples	
Pt Clarence District – see below																	
Subsistence																	
Norton Sound District																	
Stebbins area	1	6/20-30	4,236	253	0	6/26-7/3	4,980	403	400	7/8-24	NA	107	107	All season	NA	No Samples	
St. Michael area	1	6/23-30	2,628	396	0	All season	2,119	289	289	7/27	NA	170	170	All season	NA	No Samples	
Subdistrict 6																	
Unalakleet		All season	2,712	95	0	All season	2,094	No Samples		All season	2,700	No Samples		All season	1,500	No Samples	
Subdistrict 5 Shaktoolik		All season	351	No Samples		All season	465	20	20	All season	200	No Samples		All season	400	No Samples	
Subdistrict 3 Moses Point	1	All season	1,267	No Samples		6/25-7/11	2,334	128	128	All season	1,284	No Samples		All season	600	No Samples	
Subdistrict 2 Golovin		All season	722	No Samples		All season	4,217	No Samples		All season	350	No Samples		All season	1,694	No Samples	
Nome area	1	All season	940	47	0	6/29-7/15	2,938	176	176	7/6	739	12	12	7/9	387	5	5
Pt Clarence District ^a	1	All season	4,353	183	0	All season	7,637	365	365	All season	2,773	40	40	All season	3,060	No Samples	

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Port Clarence District was open the entire season for both commercial and subsistence fishing and reported numbers reflect both fisheries.

Table 21.—Chum salmon, 2006-2009, Kotzebue Area, Arctic-Yukon-Kuskokwim Region: Summary of commercial fishery catch, number of samples collected, number of samples selected for genetic analysis, and catch period dates provided by area and temporal strata for the Western Alaska Salmon Stock Identification Project.

Area	Temporal	2006				2007				2008				2009			
Stratum	Stratum	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected	Period	Harvest	Collected	Selected
Kotzebue Area ^a	1	7/10-8/27	137,961	1,950	0	7/17-8/31	147,087	925	401	7/21-8/29	190,550	480	400	7/10-8/31	187,562	400	400

Note: Shaded cells indicate strata not in the WASSIP analysis plan.

^a Kotzebue Area was open only for commercial fishing during these harvest dates.

FIGURES

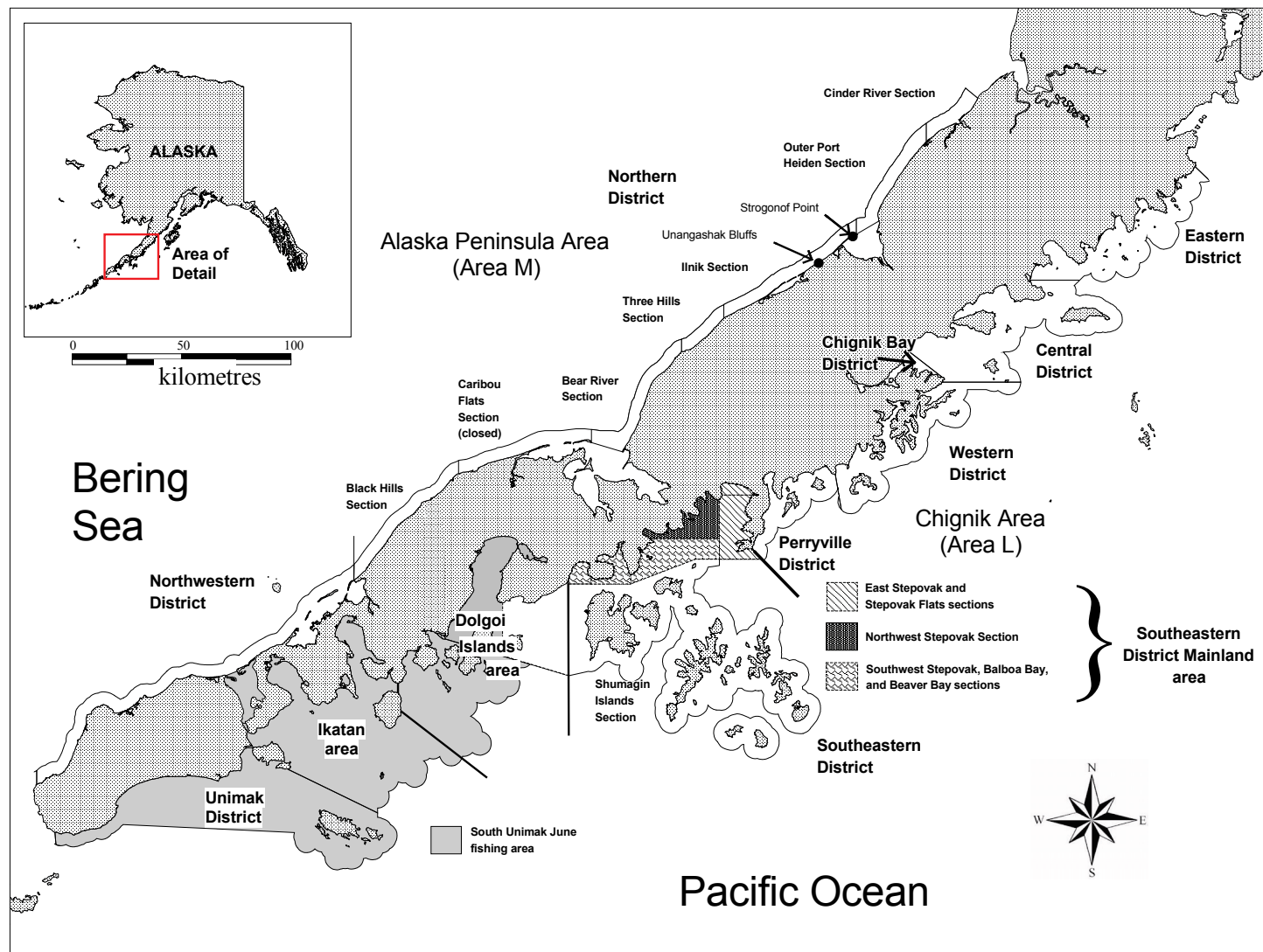


Figure 1.—Chignik Area (Area L) and Alaska Peninsula Area (Area M) map depicting commercial fishing districts of WASSIP sampling locations.

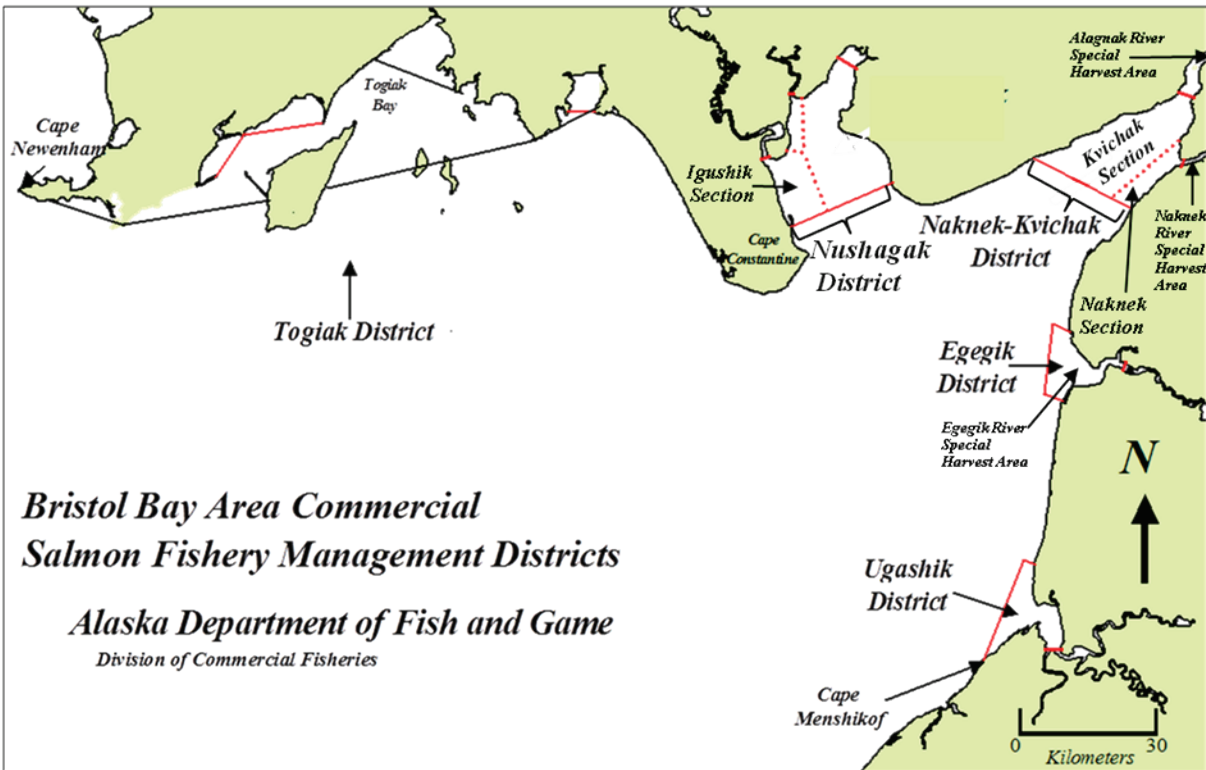


Figure 2.—Bristol Bay Area (Area T) map depicting commercial fishing districts of WASSIP sampling locations.

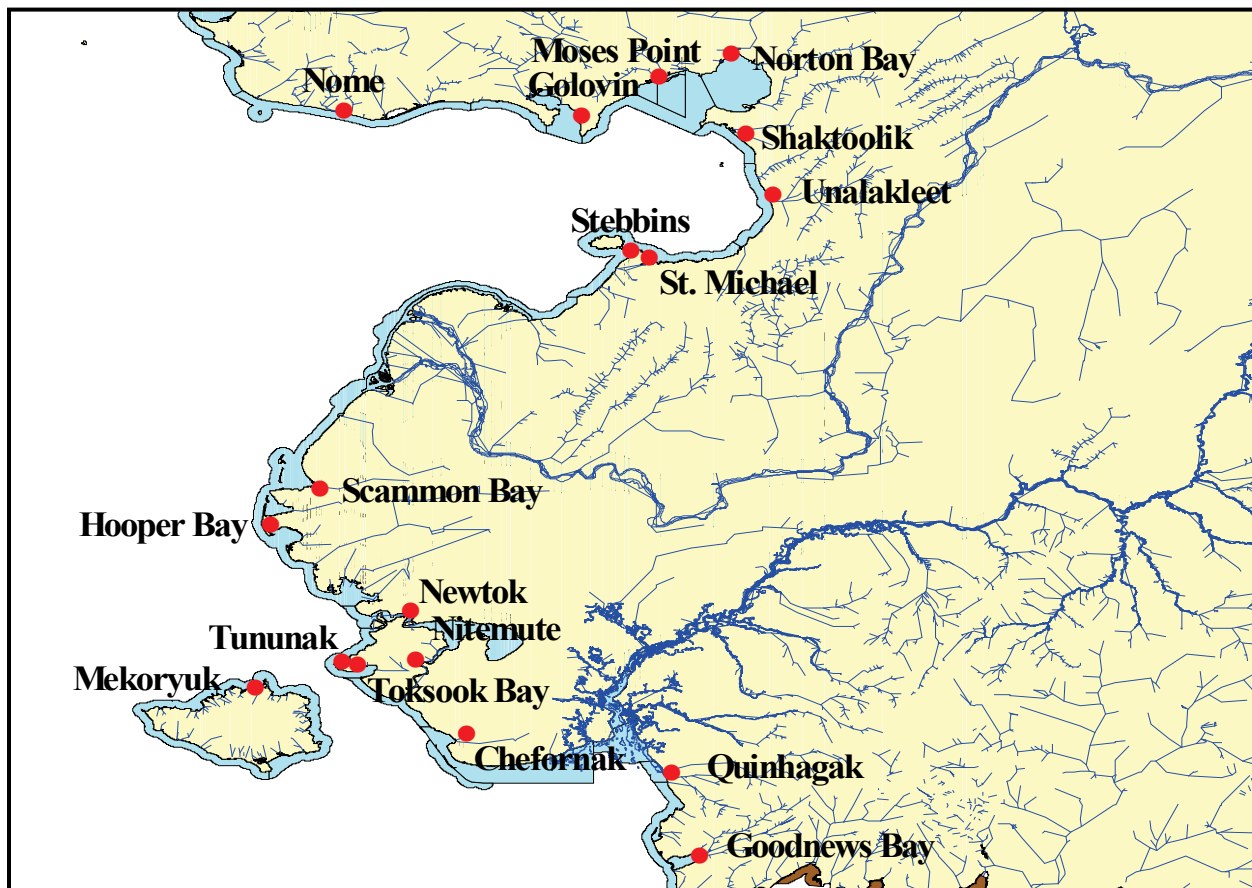


Figure 3.—Kuskokwim Area, Yukon-Northern Area and Norton Sound-Port Clarence Area coastal map depicting location of villages where subsistence harvest occurs in marine areas of WASSIP sampling locations.



Figure 4.–Kuskokwim Area (Area W) map depicting commercial fishing districts and fishing communities of WASSIP sampling locations.

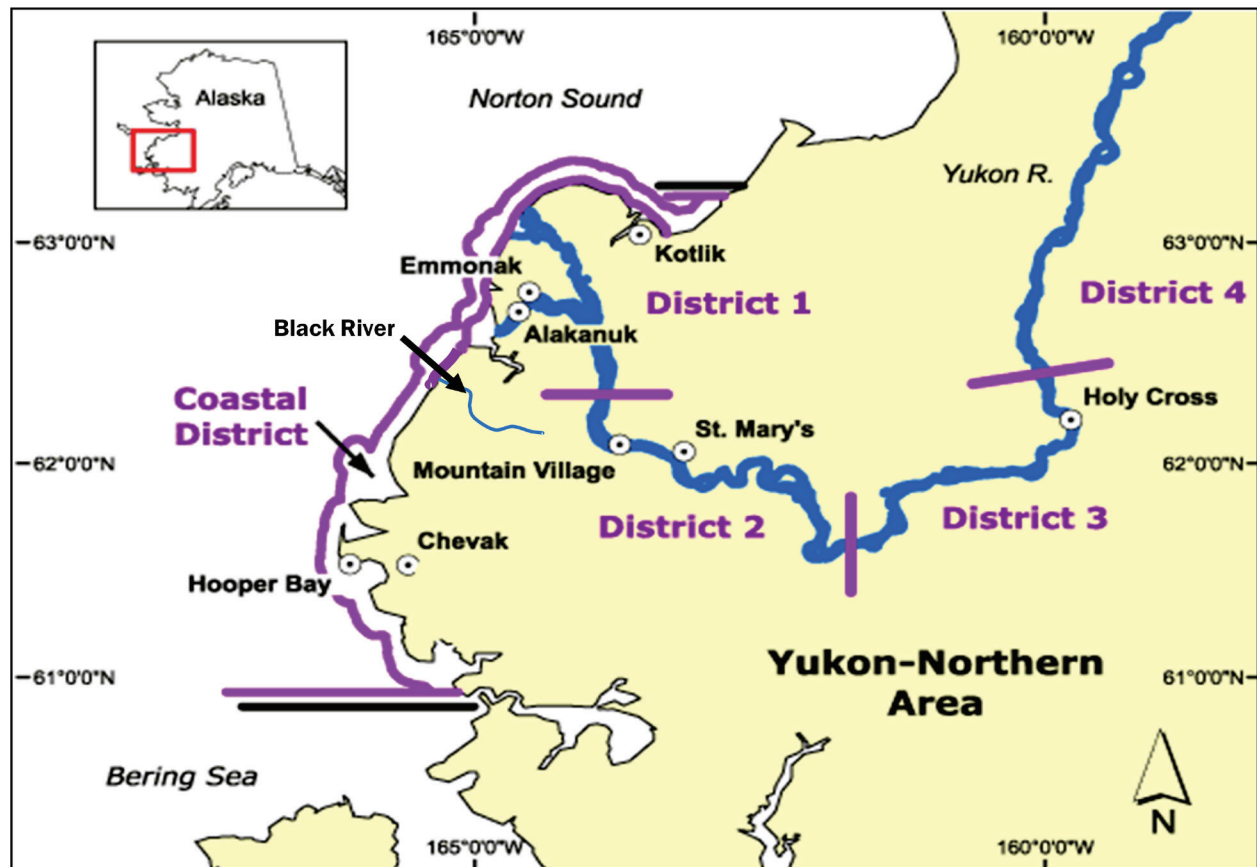


Figure 5.—Yukon-Northern Area (Area Y) map depicting commercial fishing districts and communities of the coastal and lower river of WASSIP sampling locations.

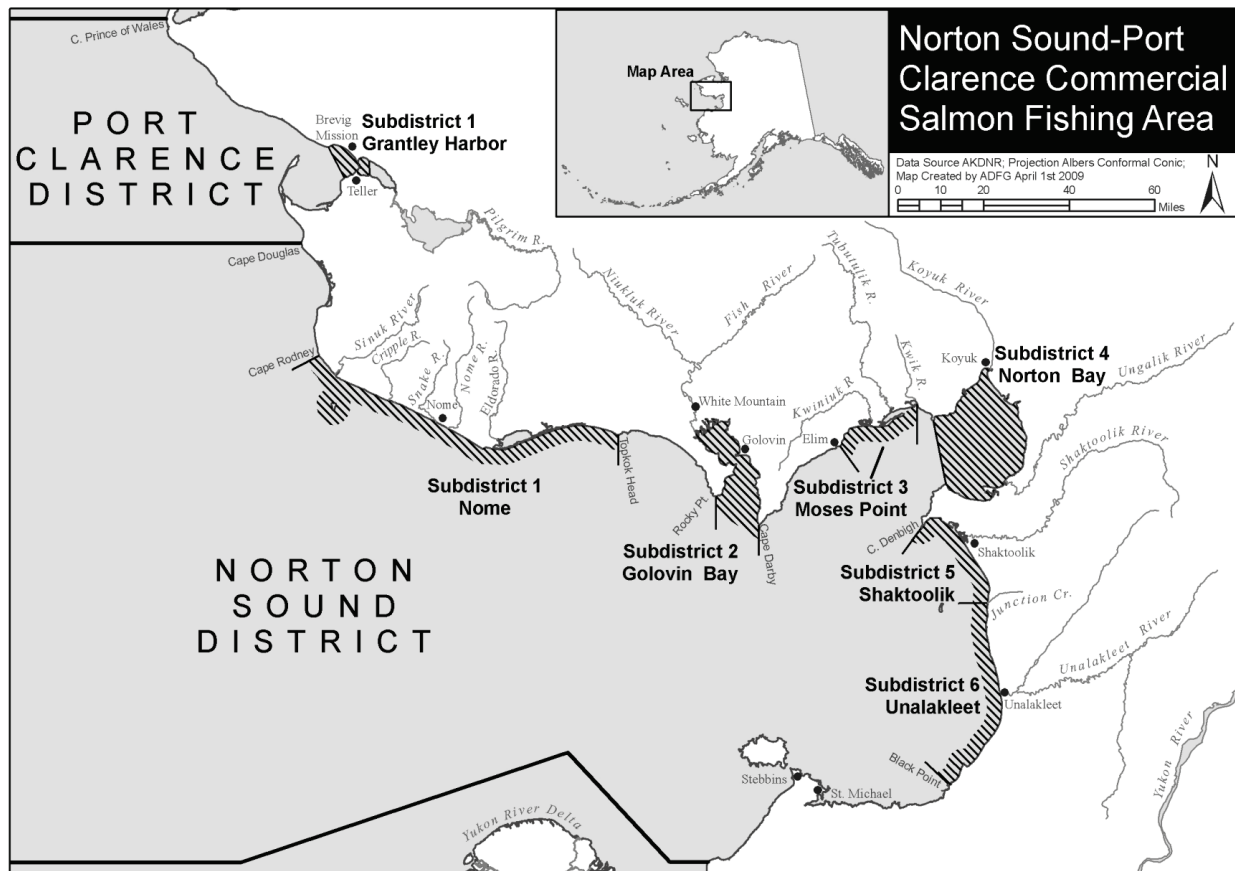


Figure 6.—Norton Sound-Port Clarence Area (Area Z) map depicting commercial fishing districts, subdistricts, and fishing communities of WASSIP sampling location.

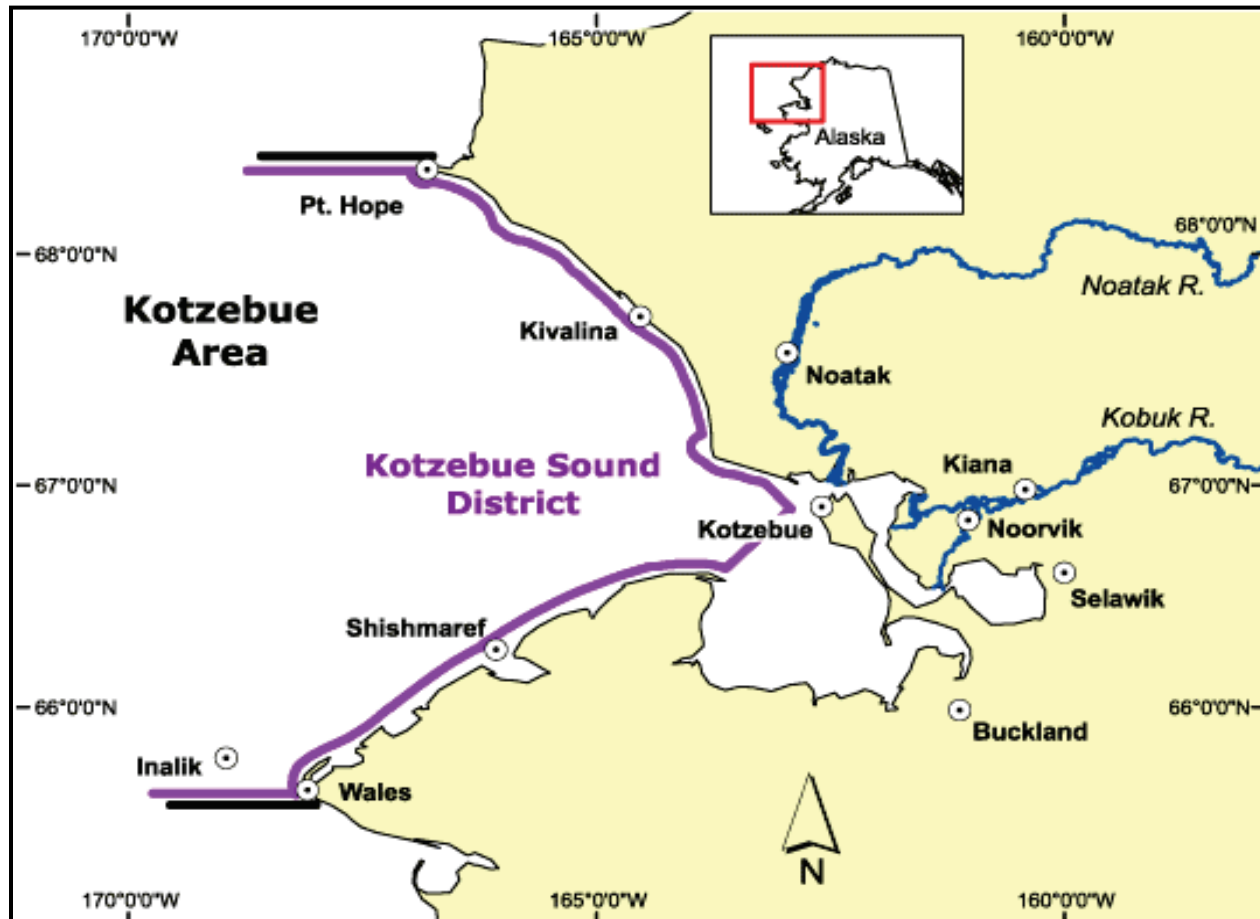


Figure 7.–Kotzebue Area (Area X) map depicting commercial fishing districts and fishing communities of WASSIP sampling locations.

APPENDIX A
CHUM SALMON, CHIGNIK AREA, WESTWARD REGION,
COMMERCIAL HARVEST SAMPLING DETAILS

Appendix A1.—Chum salmon, 2006, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15	211		
		6/16	141		
		6/25	422		
		7/6	2		
		Period Subtotal	776	0	0
Late		>8/5	0		
		Period Subtotal	0	0	0
Total			776	0	0

^a Fishery descriptions and restrictions.

Appendix A2.—Chum salmon, 2007, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/25–26	2,443	151	151
		6/28	197		
		6/29–30	896	57	57
		7/1	892		
		7/2	521		
		7/3	688		
		7/4	699		
		7/5	847		
		Period Subtotal	7,183	208	208
Late		>8/5	668		
		Period Subtotal	668	0	0
Total			7,851	208	208

^a Fishery descriptions and restrictions.

Appendix A3.—Chum salmon, 2008, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/28	60		
		7/29	1,541		
		7/30	4,275		
		7/31	2,993		
		Period Subtotal	8,869	0	0
Late		>8/1	50,056		
		Period Subtotal	50,056	0	0
Total			58,925	0	0

^a Fishery descriptions and restrictions.

Appendix A4.—Chum salmon, 2009, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1	440	11 ^b	11
		7/2	466		
		7/4	260		
		7/5	2,603	156	156
		7/6	181		
		7/13	146		
		7/14	1,006		
		7/23	1,032		
		7/26	331		
		7/30	6,820		
		7/31	6,990		
		Period Subtotal	20,275	167	167
Late		>8/5	39,525		
		Period Subtotal	39,525	0	0
Total			59,800	167	167

^a Fishery descriptions and restrictions.

^b Bottle recorded as 6/20-23; however, no harvest was collected during this time, therefore, these samples were assigned to 7/1.

Appendix A5.—Chum salmon, 2006, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/16	79	49 ^b	
		6/17	204		
		6/26	263		
		6/27–28	716	118	
		6/29	567		
		6/30	795		
		7/2	165		
		7/3	263		
		7/4	67		
		7/5	326	109	
		7/6	215		
		7/8	45		
		7/9	232		
		7/11	465		
		7/13	1,173		
		7/14	242		
		7/15	263		
		7/16	605		
		7/17	214		
		7/18	346		
		7/21	75		
		7/22	25		
		7/23	208		
		7/24	140		
		7/25	103		
		7/26	200		
		7/27	105		
		7/28	238		
		Period Subtotal	8,339	276	0
Late		>8/5	1,116		
		Period Subtotal	1,116	0	0
Total			9,455	276	0

^a Fishery descriptions and restrictions.

^b Bottle recorded as 6/14-15; however, no harvest was collected during these dates, therefore, these samples were assigned to 6/16.

Appendix A6.—Chum salmon, 2007, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15–17	741	46	46
		6/25	9		
		6/26	97		
		6/29–30	582	159	56
		7/1	635		
		7/2	419		
		7/3	189		
		7/4	394		
		7/5	190		
		7/6	456		
		7/9	265		
		7/10	135		
		7/11–12	577	127	55
		7/13–14	1,480	90	90
		7/15	897		
		7/16	465		
		7/20	68		
		7/21	476		
		7/22–24	2,174	180	153
		7/25	1,113		
		7/26	277		
		7/27	535		
		7/28	282		
		7/29	528		
		7/30	615		
		7/31	492		
		Period Subtotal	14,091	602	400
Late		>8/5	5,504		
		Period Subtotal	5,504	0	0
Total			19,595	602	400

^a Fishery descriptions and restrictions

Appendix A7.—Chum salmon, 2008, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/24	118	50	7
		6/25	16		
		6/26	1,365		
		6/27	114		
		6/28	338		
		6/29	395		
		6/30	277		
		7/1	102		
		7/4–5	2,655	118	118
		7/6	346		
		7/7	485		
		7/8–10	1,800	192	101
		7/18–20	9,566	174	174
		7/21	5,047		
		7/22	2,352		
		7/23	875		
		7/24	1,418		
		7/29	1,350		
		7/30	586		
		7/31	967		
		Period Subtotal	30,172	534	400
Late		>8/5	9,958		
		Period Subtotal	9,958	0	0
Total			40,130	534	400

^a Fishery descriptions and restrictions.

Appendix A8.—Chum salmon, 2009, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/20–22	2,193	46	46
		6/23	158		
		6/24	42		
		6/26	434		
		6/27	633		
		6/28	796		
		6/29	658		
		6/30	1,404	113	32
		7/1	1,892	58	43
		7/2	1,517		
		7/3	2,021		
		7/4	1,417		
		7/5	1,237		
		7/6	2,392		
		7/10	1,859	128	42
		7/11	829		
		7/12	1,017	64	64
		7/13	1,766		
		7/14	1,041		
		7/15	28		
		7/16	2,098		
		7/22	4,128	116 ^b	116
		7/23	486		
		7/24	2,149	58	58
		7/26	3,132		
		7/27	273		
		7/28	1,009		
		7/29	2,112		
		7/30	2,303		
		7/31	1,162		
Period Subtotal			42,186	583	401
Late		>8/5	19,963		
		Period Subtotal	19,963	0	0
Total			62,149	583	401

^a Fishery descriptions and restrictions.

^b Bottle recorded as 7/21, however, no harvest was collected during that time, and therefore, samples were assigned to 7/22.

Appendix A9.—Chum salmon, 2006, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/11	703		
		7/12	2,339		
		7/14	25,283	60	
		7/15	706		
		7/16	1,809		
		7/20	1,028		
		7/21	2,746	16	
		7/22–23	2,479	261	
		7/24	2,460		
		7/26	3,336		
		7/27	1,925		
		7/28	1,130		
		Period Subtotal	45,944	337	0
Late		>8/5	3,152		
		Period Subtotal	3,152	0	0
Total			49,096	337	0

^a Fishery descriptions and restrictions.

Appendix A10.—Chum salmon, 2007, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/9-10	6,800	98	98
		7/11	4,052		
		7/12	1,767		
		7/13	2,895		
		7/14	1,312		
		7/15	1,453		
		7/20	772		
		7/21	918		
		7/22–23	4,407	340	211
		7/24	1,111		
		7/25	883		
		7/26–27	1,912	200	91
		7/28	440		
		7/29	547		
		7/30	1,783		
		7/31	964		
		Period Subtotal	32,016	638	400
Late		>8/1	15,262		
		Period Subtotal	15,262	0	0
Total			47,278	638	400

^a Fishery descriptions and restrictions.

Appendix A11.—Chum salmon, 2008, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/24	1,869		
		6/25	206	90	8
		6/28	2,104	452	79
		6/29	633		
		6/30	887		
		7/5	725		
		7/6	4,541		
		7/7	5,277		
		7/8	2,024		
		7/9	674	90	25
		7/21	4,720	340	179
		7/22	2,899	170	109
		7/23	8,380		
		7/24	5,640		
		7/29	9,466		
		7/30	3,134		
		7/31	4,154		
		Period Subtotal	57,333	1,142	400
Late		>8/1	39,484		
		Period Subtotal	39,484	0	0
Total			96,817	1,142	400

^a Fishery descriptions and restrictions.

Appendix A12.—Chum salmon, 2009, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/22	4,464		
		6/23-24	30,807	90	90
		6/27	7,815	400	113
		6/28	4,606		
		7/10	3,138		
		7/11	4,652	60	60
		7/12	3,834		
		7/13	2,863	30	30
		7/14	2,648		
		7/15	4,277		
		7/16	2,247		
		7/21	1,342		
		7/22	2,772		
		7/23	7,374	616	107
		7/24	6,326		
		7/25	2,013		
		7/26	6,203		
		7/28	2,706		
		7/30	3,057		
		7/31	756		
		Period Subtotal	103,900	1,196	400
Late		>8/1	14,898		
		Period Subtotal	14,898	0	0
Total			118,798	1,196	400

^a Fishery descriptions and restrictions.

APPENDIX B
SOCKEYE SALMON, CHIGNIK AREA, WESTWARD REGION,
COMMERCIAL HARVEST SAMPLING DETAILS

Appendix B1.—Sockeye salmon, 2006, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15	379		
		6/16	544		
		6/25	1,855		
		Period Subtotal	2,778	0	0
Late		>7/6	340		
		Period Subtotal	340	0	0
Total			3,118	0	0

^a Fishery descriptions and restrictions.

Appendix B2.—Sockeye salmon, 2007, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/25-26	3,897	356	148
		6/28	2,101		
		6/29-30	6,632	252	252
		7/1	5,942		
		7/2	3,115		
		7/3	2,643		
		7/4	2,175		
		7/5	3,377		
		Period Subtotal	29,882	608	400
Late		>7/6	0		
		Period Subtotal	0	0	0
Total			29,882	608	400

^a Fishery descriptions and restrictions.

Appendix B3.—Sockeye salmon, 2008, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/28	560		
		Period Subtotal	560	0	0
Late		>7/21	1,719		
		Period Subtotal	1,719	0	0
Total			2,279	0	0

^a Fishery descriptions and restrictions

Appendix B4.—Sockeye salmon, 2009, Eastern District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Total Analyzed
1		7/1	4,946	195 ^b	
		7/2	8,744		
		7/4	2,014		
		7/5	3,620	200	
		7/6	2,038		
		7/13	770		
		7/14	3,666		
		7/23	2,363		
		7/26	1,056		
		7/30	287		
		7/31	0		
		Period Subtotal	29,504	395	0
Late		>8/6	396		
		Period Subtotal	396	0	0
Total			29,900	395	0

^a Fishery descriptions and restrictions.

^b Bottle recorded as 6/20-23; however, no harvest was collected during that time, therefore samples were assigned to 7/1.

Appendix B5.–Sockeye salmon, 2006, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/16	661	400 ^b	400
		6/17	3,461		
		Period Subtotal	4,122	400	400
2		6/26	5,772		
		6/27	1,383	400	400
		6/28	12,413		
		6/29	8,591		
		6/30	13,829		
		Period Subtotal	41,988	400	400
3		7/2	4,382		
		7/3	4,509		
		7/4	1,778		
		7/5	6,049	400	400
		7/6	5,090		
		7/8	833		
		7/9	2,625		
		7/11	1,341		
		Period Subtotal	26,607	400	400
4		7/13	2,055		
		7/14	738		
		7/15	890		
		7/16	4,844		
		7/17	1,130		
		7/18	0		
		7/21	1,802	21	21
		7/22	28		
		7/23	4,093		
		7/24	2,690	400	379
		7/25	2,100		
		7/26	1,961		
		7/27	997		
		7/28	1,793		
		Period Subtotal	25,121	421	400
Late		>8/5	5,434		
		Period Subtotal	5,434	0	0
Total			103,272	1,621	1,600

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 6/14-15; however, no harvest was collected during that time, therefore samples were assigned to 6/16.

Appendix B6.—Sockeye salmon, 2007, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15-17	4,612	401	400
		Period Subtotal	4,612	401	400
2		6/25-26	2,975	400	400
		6/29	2,593		
		6/30	3,675		
		7/1	3,871		
		7/2	2,839		
		Period Subtotal	15,953	400	400
3		7/3	1,677		
		7/4	3,722		
		7/5	2,629		
		7/6	2,087		
		7/9	1,910		
		7/10	641		
		7/11-12	5,225	400	200
		7/13-14	8,838	200	200
		7/15	7,525		
		7/16	5,134		
		Period Subtotal	39,388	600	400
4		7/20	2,389		
		7/21	6,902		
		7/22-27	37,410	809	400
		7/28	1,913		
		7/29	2,632		
		7/30	2,850		
		7/31	3,974		
		Period Subtotal	58,070	809	400
Late		>8/1	20,796		
		Period Subtotal	20,796	0	0
Total			138,819	2,210	1,600

^a Fishery descriptions and restrictions.

Appendix B7.–Sockeye salmon, 2008, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/24	6,397	400	400
		6/25	953		
		Period Subtotal	7,350	400	400
2		6/26-27	16,336	200	200
		6/28	1,668		
		6/29	2,986		
		6/30	2,566		
		7/1	740		
		Period Subtotal	24,296	200	200
3		7/4	8,094		
		7/5	8,002		
		7/6	1,325		
		7/7-10	5,466	600	400
		Period Subtotal	22,887	600	400
4		7/18-20	4,837	600	400
		7/21	2,587		
		7/22	1,429		
		7/23	1,814		
		7/24	2,071		
		7/29	1,802		
		7/30	853		
		7/31	1,132		
		Period Subtotal	16,525	600	400
Late		>8/1	12,053		
		Period Subtotal	12,053	0	0
Total			83,111	1,800	1,200

^a Fishery descriptions and restrictions.

Appendix B8.—Sockeye salmon, 2009, Central District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/20-23	11,076	601	
		6/24	1,740		
		Period Subtotal	12,816	601	0
2		6/26	4,378		
		6/27	4,340		
		6/28	2,574		
		6/29	3,559		
		6/30	6,363	400	
		7/1	9,849	200	
		7/2	7,795		
		7/3	8,525		
		Period Subtotal	47,383	600	0
3		7/4	7,561		
		7/5	7,446		
		7/6	8,085		
		7/10	5,740	400	
		7/11	4,547		
		7/12	4,950	200	
		7/13	5,941		
		Period Subtotal	44,270	600	0
4		7/14	3,813		
		7/15	0		
		7/16	6,892		
		7/22	13,377	400	
		7/23	7,237		
		7/24	2,700	200	
		7/26	10,245		
		7/27	1,070		
		7/28	7,728		
		7/29	4,823		
		7/30	5,050		
		7/31	2,738		
		Period Subtotal	65,673	600	0
Late		>8/1	21,469		
		Period Subtotal	21,469	0	0
Total			191,611	2,401	0

^a Fishery descriptions and restrictions.

Appendix B9.—Sockeye salmon, 2006, Chignik Bay District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/8	499		
	A	6/10	572	100	100
	A	6/12	1,400		
	A	6/13	1,904	100	100
		6/14	16,456	100	100
		6/15	33,597	100	100
		6/16	22,738		
		6/17	25,574		
	A	6/19	2,266		
		Period Subtotal	105,006	400	400
2		6/25	50,926	300	248
		6/26	31,236	300	152
		6/27	27,241		
		6/28	22,775		
		Period Subtotal	132,178	600	400
3		6/29	27,469		
		6/30	30,007		
		7/1-2	27,140	200	200
		7/3-4	31,622	200	200
		Period Subtotal	116,238	400	400
4		7/5	15,718		
		7/6	14,081	200 ^b	200
		7/8	9,884		
		7/9	18,182	200	200
		7/10	4,525		
		Period Subtotal	62,390	400	400
5		7/11	9,661		
		7/13	15,075		
		7/14	14,200	500	400
		7/15	16,576		
		7/16	15,169		
		7/17	10,305		
		7/18	6,236		
		7/19	69		
		Period Subtotal	87,291	500	400
6		7/21	19,244		
		7/22	26,068		
		7/23	19,309		
		7/24	16,903		
		7/25	11,296	100	100
		7/26	20,084	200	200
		7/27-28	33,821	100	100
		7/31	9,340		
		Period Subtotal	156,065	400	400
Late		>8/5	67,314		
		Period Subtotal	67,314	0	0
Total			726,482	2,700	2,400

^a Fishery descriptions and restrictions: A= Test fishery harvest.

^b Bottle recorded as 7/7; however, no harvest occurred during that time, therefore, samples were assigned to 7/6.

Appendix B10.—Sockeye salmon, 2007, Chignik Bay District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/9	165	78	3
	A	6/11	452		
	A	6/13	1,107	100	21
		6/14	927	122	17
		6/15-16	32,131	400	359
		6/17	9,153		
	A	6/19	1,286		
		Period Subtotal	45,221	700	400
2	A	6/22	1,215		
		6/25-26	38,255	600	400
		Period Subtotal	39,470	600	400
3		6/28	6,055		
		6/29	13,276		
		6/30	12,007		
		7/1	10,434	300	225
		7/2	8,101	300	175
		7/3	10,932		
		7/4	17,313		
		Period Subtotal	78,118	600	400
4		7/5	13,677		
		7/6	4,208		
		7/9	13,954	400	200
		7/10	17,814	200	200
		7/11	16,810		
		Period Subtotal	66,463	600	400
5		7/12	14,590		
		7/13-14	33,343	594	394
		7/15-16	30,764	6	6
		Period Subtotal	78,697	600	400
6		7/20	15,605		
		7/21	15,546		
		7/22-23	36,537	200	150
		7/24-25	32,237	200	150
		7/26-27	21,859	200	99
		7/28	10,130		
		7/29	7,120		
		7/30	6,343		
		7/31	5,809		
		Period Subtotal	141,849	600	399
	Late	>8/1	95,438		
		Period Subtotal	95,438	0	0
Total			545,256	3,700	2,399

^a Fishery descriptions and restrictions: A= Test fishery harvest.

Appendix B11.—Sockeye salmon, 2008, Chignik Bay District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/9	212	100	22
	A	6/12	340	100	35
	A	6/16	732	100	76
	A	6/19	1,606	200 ^b	167
	A	6/22	2,276		
		6/24	38,762	100	100
		6/25	11,943		
		Period Subtotal	55,871	600	400
2		6/26	25,022		
		6/27	34,410		
		6/28	17,789	293	207
		6/29	16,610	307	193
		6/30	13,680		
		7/1	6,741		
		Period Subtotal	114,252	600	400
3		7/4-5	43,296	600	400
		Period Subtotal	43,296	600	400
4		7/6	15,519	200	167
		7/7	19,886	380	213
		7/8	12,436	20	20
		7/9	8,037		
		7/10	5,260		
		Period Subtotal	61,138	600	400
5		7/11-17	0		
		Period Subtotal	0	0	0
6		7/18	4,143	160	69
		7/19	11,875	240	199
		7/20	7,910	200	132
		7/21	8,807		
		7/22	11,729		
		7/23	11,800		
		7/24	9,189		
		7/29	8,106		
		7/30	7,018		
		7/31	7,465		
		Period Subtotal	88,042	600	400
Late		>8/1	164,427		
		Period Subtotal	164,427	0	0
Total			527,026	3,000	2,000

^a Fishery descriptions and restrictions: A= Test fishery harvest.

^b Bottle recorded as 6/20; however, no harvest occurred during that time, therefore, samples were assigned to 6/19.

Appendix B12.–Sockeye salmon, 2009, Chignik Bay District, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/12	280	200	
	A	6/15	1,407	200	
		6/20	19,885	200	
		6/21	28,224		
		6/22	28,023		
		6/23	34,782		
		6/24	33,486		
		Period Subtotal	146,087	600	0
2		6/26–27	78,092	600	
		6/28	35,230		
		6/29	33,402		
		6/30	24,521		
		Period Subtotal	171,245	600	0
3		7/1	13,769	400	
		7/2	16,498	200	
		7/3	14,603		
		7/4	10,120		
		Period Subtotal	54,990	600	0
4		7/5	13,327		
		7/6	13,749	400	
		Period Subtotal	27,076	400	0
5		7/10	18,185	200	
		7/11	14,760		
		7/12	15,313	400	
		7/13	11,876		
		Period Subtotal	60,134	600	0
6		7/14	10,994		
		7/15	11,609	200	
		7/16	12,915		
		7/21	16,160	400	
		7/22	21,959		
		7/23	29,451	200	
		7/24	28,679		
		7/25	16,245		
		7/26	15,692		
		7/27	26,824		
		7/28	26,198		
		7/29	19,930		
		7/30	18,577		
		7/31	16,106		
		Period Subtotal	271,339	800	0
Late		>8/1	138,942		
		Period Subtotal	138,942	0	0
Total			869,813	3,600	0

^a Fishery descriptions and restrictions: A=Test fishery harvest.

Appendix B13.—Sockeye salmon, 2006, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		<7/9	0		
		Period Subtotal	0	0	0
2		7/11	4,083		
		7/12	11,896	400 ^b	400
		7/14	4,250		
		7/15	4,352		
		7/16	5,451		
		Period Subtotal	30,032	400	400
3		7/20	10,395		
		7/21	11,130		
		7/22–23	4,409	262	252
		7/24	434		
		7/26	1,314		
		7/27	2,586	179	148
		7/28	2,079		
		Period Subtotal	32,347	441	400
Late		>8/6	7,191		
		Period Subtotal	7,191	0	0
Total			69,570	841	800

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 7/13; however, no harvest was collected for that date, therefore, samples were assigned to 7/12.

Appendix B14.—Sockeye salmon, 2007, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		<7/8	0		
		Period Subtotal	0	0	0
2		7/9-10	9,438	608	400
		7/11	7,433		
		7/12	11,273		
		7/13	5,622		
		7/14	16,621		
		7/15	9,297		
		Period Subtotal	59,684	608	400
3		7/20	1,446		
		7/21	2,000		
		7/22–23	7,694	400	204
		7/24	3,025		
		7/25	6,071		
		7/26–27	7,628	200	196
		7/28	2,281		
		7/29	2,685		
		7/30	6,917		
		7/31	9,176		
		Period Subtotal	48,923	600	400
Late		>8/1	11,698		
		Period Subtotal	11,698	0	0
Total			120,305	1,208	800

^a Fishery descriptions and restrictions.

Appendix B15.—Sockeye salmon, 2008, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/24–25	3,493	600	133
		6/28	7,027	600	267
		6/29	3,571		
		6/30	6,330		
		Period Subtotal	20,421	1,200	400
2		7/5	1,070		
		7/6	3,765		
		7/7	6,765		
		7/8	2,027		
		7/9	543	177	177
		Period Subtotal	14,170	177	177
3		7/21	1,996	400	275
		7/22	904	200	125
		7/23	2,706		
		7/24	2,243		
		7/29	4,882		
		7/30	1,170		
		7/31	1,892		
		Period Subtotal	15,793	600	400
Late		>8/1	24,470		
		Period Subtotal	24,470	0	0
Total			74,854	1,977	977

^a Fishery descriptions and restrictions.

Appendix B16.—Sockeye salmon, 2009, Western and Perryville districts, Chignik Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/22	5,015		
		6/23–24	37,916	600	
		6/27	16,024	200	
		6/28	5,889		
		Period Subtotal	64,844	800	0
2		7/10	3,765		
		7/11	5,862	400	
		7/12	5,149		
		7/13	3,771	200	
		7/14	2,482		
		Period Subtotal	21,029	600	0
3		7/15	3,872		
		7/16	1,500		
		7/21	408		
		7/22	1,195		
		7/23	4,919	341	
		7/24	1,525		
		7/25	92		
		7/26	2,056		
		7/28	292		
		7/30	457		
		7/31	365		
		Period Subtotal	16,681	341	0
Late		>8/1	4,134		
		Period Subtotal	4,134	0	0
Total			106,688	1,741	0

^a Fishery descriptions and restrictions.

APPENDIX C

**CHUM SALMON, SOUTHEASTERN DISTRICT
MAINLAND (SEDM) AREA, SOUTHEASTERN DISTRICT,
ALASKA PENINSULA AREA, WESTWARD REGION,
COMMERCIAL HARVEST SAMPLING DETAILS**

Appendix C1.—Chum salmon, 2006, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Total Selected
1		7/20-21	13,259	602	
		7/26	4,473	200	
		7/27	4,604		
		7/28	1,256		
		Period Subtotal	23,592	802	0
Late		>8/3	41,238		
		Period Subtotal	41,238	0	0
Total			64,830	802	0

^a Fishery descriptions and restrictions.

Appendix C2.—Chum salmon, 2008, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Total Selected
1		7/3	205	150	81
		7/4	386		
		7/5	97		
		7/7	236		
		7/8	332	80	80
		7/9	573		
		7/10	3		
		7/11	12		
		7/12-13	610	39	39
		7/14	3		
		7/15	151		
		7/16	78		
		7/17	111		
		7/18	64		
		7/19	416		
		7/20	468		
		7/21	556		
		7/22	588		
		7/23	497		
		7/24	190		
		7/25	563		
		7/26	4,644	50	50
		7/27	3,049	100	100
		7/28	3,333		
		7/29	240		
		7/30-31	8,942	50	50
		Period Subtotal	26,347	469	400
Late		8/1	284		
		8/2-3	7,439	100	
		8/4	6,118	100	
		8/5	4,384		
		8/6	3,251	50	
		8/8	2,706		
		8/9	3,570		
		8/10-11	3,832	100	
		8/12	1,782		
		8/13	895		
		8/15	2,112		
		8/16	2,084	100	
		>8/17	7,459		
		Period Subtotal	45,916	450	0
Total			72,263	919	400

^a Fishery descriptions and restrictions.

Appendix C3.—Chum salmon, 2009, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Total Selected
1		7/1	123		
		7/2	91		
		7/3	4		
		7/4	3		
		7/5	37		
		7/6	339	38	38
		7/7	134		
		7/8	9		
		7/9	1,025	88	88
		7/10	873	212	152
		7/11	214		
		7/12	23		
		7/13	1,353	100	57
		7/14	3,833		
		7/15	135		
		7/16	12		
		7/17	425		
		7/18	437		
		7/19	139	75	27
		7/20	2		
		7/21	135		
		7/22	287		
		7/23	1,995		
		7/24	1,414		
		7/25	2,588	38	38
		7/26	4,559		
		7/27	2,619		
		7/28	7,923		
		7/29	7,379		
		7/30	6,672		
		7/31	6,186		
Period Subtotal			50,968	551	400
Late		>8/4	99,953		
		Period Subtotal	99,953	0	0
Total			150,921	551	400

^a Fishery descriptions and restrictions.

APPENDIX D
SOCKEYE SALMON, SOUTHEASTERN DISTRICT MAINLAND
AREA, SOUTHEASTERN DISTRICT, ALASKA PENINSULA
AREA, WESTWARD REGION, COMMERCIAL HARVEST
SAMPLING DETAILS

Appendix D1.—Sockeye salmon, 2006, East Stepovak and Stepovak Flats sections, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-19	0		
		Period Subtotal	0	0	0
2		7/20-21	50,823	800	400
		Period Subtotal	50,823	800	400
3		7/26	8,049	300	300
		7/27	7,980		
		7/28	3,566		
		8/5	6,415		
		8/6	16,939		
		8/8	4,099		
		8/9	4,483		
		8/10	4,905		
		8/11	4,002		
		8/12	5,893		
		8/13	1,957		
		8/14	4,207		
		8/15	4,776		
		8/16	2,464		
		8/17	1,739		
		8/18	2,565		
		8/19	2,457		
		8/20	1,764		
		8/21	2,173		
		8/22	1,847		
		8/23	2,381		
		Period Subtotal	94,661	300	300
Late		>9/1	31,272		
		Period Subtotal	31,272	0	0
Total			176,756	1,100	700

^a Fishery descriptions and restrictions.

Appendix D2.—Sockeye salmon, 2007, East Stepovak and Stepovak Flats sections, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-19	0		
		Period Subtotal	0	0	0
2		7/20-31	0		
		Period Subtotal	0	0	0
3		8/1	14,339	400	303
		8/2	13,974		
		8/3	10,551		
		8/4	5,289		
		8/5	6,416		
		8/6	3,132		
		8/8	803		
		8/9	1,694		
		8/10	1,781		
		8/11	1,468	200	31
		8/12	855		
		8/13	1,068	100	23
		8/15	388		
		8/16	1,368		
		8/17	2,068	200	44
		8/18	2,536		
		8/19	2,910		
		8/20	1,675		
		Period Subtotal	72,315	900	401
Late		>9/1	14,150		
		Period Subtotal	14,150	0	0
Total			86,465	900	401

^a Fishery descriptions and restrictions.

Appendix D3.—Sockeye salmon, 2008, East Stepovak and Stepovak Flats sections, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-19	0		
		Period Subtotal	0	0	0
2		7/20-25	0		
		Period Subtotal	0	0	0
3		7/26-27	6,818	400	68
		7/28	2,506		
		7/30-31	8,705	200	86
		8/1	203		
		8/2	3,034		
		8/3-4	11,154	200	110
		8/5	5,875		
		8/6	5,348	100	79
		8/8	2,651		
		8/9	2,101		
		8/10-11	3,425	116	34
		8/12	1,966		
		8/13	417		
		8/15	2,680		
		8/16	2,286	67	23
		8/17	849		
		8/18	608		
		8/19	454		
		8/20	731		
		Period Subtotal	61,811	1,083	400
Late		>9/1	14,287		
		Period Subtotal	14,287	0	0
Total			76,098	1,083	400

^a Fishery descriptions and restrictions.

Appendix D4.—Sockeye salmon, 2009, East Stepovak and Stepovak Flats sections, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-8	0		
		Period Subtotal	0	0	0
2		7/9	3,926	200	
		7/10	3,967	200	
		7/13	5,990		
		7/14	9,862		
		7/23	584		
		7/24	3,721	184	
		7/25	4,662		
		Period Subtotal	32,712	584	0
3		7/26	3,226	400	
		7/27	1,650		
		7/28	4,577		
		7/29	8,506		
		7/30	3,831		
		7/31	4,428	200	
		8/4	3,080	200	
		8/5	4,878		
		8/10	658		
		8/11	1,212	200	
		8/14	895		
		8/15	1,973	133	
		8/18	1,163	118	
		8/19	2,235		
		8/20	2,387		
		8/21	1,989		
		8/22	923		
		8/23	1,158		
		8/24	567		
		Period Subtotal	49,336	1,251	0
Late		>9/1	6,545		
		Period Subtotal	6,545	0	0
Total			88,593	1,835	0

^a Fishery descriptions and restrictions.

Appendix D5.—Sockeye salmon, 2008, Northwest Stepovak Section, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/3	2,015	200	200
		7/4	3,501		
		7/5	1,100		
		Period Subtotal	6,616	200	200
2		7/7	1,898	200	200
		7/8	2,685		
		7/9	2,456		
		7/10	1,191		
		7/11	1,014		
		7/12-13	3,960	101	101
		7/14	376	101	99
		7/15	477		
		7/16	431		
		7/17	499		
		7/18	467		
		7/19	1,216		
		7/20	1,589		
		7/21	1,534		
		7/22	1,791		
		7/23	1,291		
		7/24	581		
		7/25	1,597		
		Period Subtotal	25,053	402	400
3		7/26-27	2,040	119	119
		7/28	767	210	95
		7/29	411		
		7/30	422		
		7/31	556		
		8/2-3	1,430		
		8/4	847	90	90
		8/5-6	1,276		
		8/8	234		
		8/9	434	133	68
		8/10-11	749		
		8/12	50		
		8/13	24		
		8/15	576		
		8/16	420	67	28
		8/20	9	619	400
		Period Subtotal	10,245		
Late		>9/1	928	0	0
		Period Subtotal	928		
Total			42,842	1,221	1,000

^a Fishery descriptions and restrictions.

Appendix D6.—Sockeye salmon, 2009, Northwest Stepovak Section, Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1	10,935		
		7/2	7,124		
		7/3	2,969		
		7/4	2,096		
		7/5	5,896		
		7/6	10,148	200	
		7/7	5,747		
		Period Subtotal	44,915	200	0
2		7/8	1,717		
		7/9	5,855	200	
		7/10	6,190		
		7/11	4,098		
		7/12	1,715		
		7/13	3,444		
		7/14	3,519		
		7/15	1,604		
		7/16	1,026		
		7/17	4,965		
		7/18	5,746		
		7/19	1,475	200	
		7/20	270		
		7/21	1,179		
		7/22	1,690		
		7/23	280		
		7/24	501		
		7/25	1,174		
		Period Subtotal	46,448	400	0
3		7/26	1,271		
		7/27	605		
		7/28	1,357		
		7/29	2,019	140	
		7/30	1,173		
		7/31	772		
		8/4	106	87	
		8/5	673		
		8/10	218		
		8/11	1,031	200	
		8/14	709		
		8/15	1,666	85	
		8/18	1,017	45	
		8/19	666		
		8/20	1,091		
		8/21	549		
		8/22	458		
		8/23	126		
		Period Subtotal	15,507	557	0
Late		>9/1	916		
		Period Subtotal	916	0	0
Total			107,786	1,157	0

^a Fishery descriptions and restrictions.

Appendix D7.—Sockeye salmon, 2006, Southwest Stepovak, Balboa Bay, and Beaver Bay sections (statistical areas 281-70, 281-80, 281-90), Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-19	0		
		Period Subtotal	0	0	0
2		7/20	4,696	738	400
		7/21	21,994		
		Period Subtotal	26,690	738	400
3		7/26	6,680	300	300
		7/27	7,211		
		7/28	2,508		
		8/3	515		
		8/4	476		
		8/5	7,148		
		8/6	7,054		
		8/8	4,139		
		8/9	5,598		
		8/10	3,638		
		8/11	2,294		
		8/12	1,700		
		8/13	1,960		
		8/14	815		
		8/15	988		
		8/16	1,291		
		8/17	1,869		
		8/18	887		
		8/19	657		
		8/20	882		
		8/21	986		
		8/22	1,081		
		8/23	1,876		
		Period Subtotal	62,253	300	300
Late		>9/1	9,732		
		Period Subtotal	9,732	0	0
Total			98,675	1,038	700

^a Fishery descriptions and restrictions.

Appendix D8.—Sockeye salmon, 2007, Southwest Stepovak, Balboa Bay, and Beaver Bay sections (statistical areas 281-70, 281-80, 281-90), Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-19	0		
		Period Subtotal	0	0	0
2		7/20-31	0		
		Period Subtotal	0	0	0
3		8/1	15,537	400	256
		8/2	17,643		
		8/3	9,347		
		8/4	6,052		
		8/5	3,458	200	57
		8/6	2,594		
		8/8	2,269		
		8/9	3,125	200	51
		8/10	4,003		
		8/11	2,229		
		8/12	1,314	100	22
		8/13	1,319		
		8/15	849	200	14
		8/16	980		
		8/18	1,605		
		8/19	605		
		8/20	583		
		Period Subtotal	73,512	1,100	400
Late		>9/1	5,610		
		Period Subtotal	5,610	0	0
Total			79,122	1,100	400

^a Fishery descriptions and restrictions.

Appendix D9.—Sockeye salmon, 2008, Southwest Stepovak, Balboa Bay, and Beaver Bay sections (statistical areas 281-70, 281-80, 281-90), Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-19	0		
		Period Subtotal	0	0	0
2		7/20-25	0		
		Period Subtotal	0	0	0
3		7/26	3,214	400	91
		7/27	1,797	200	51
		7/28	1,756		
		7/30	2,378		
		7/31	4,251		
		8/2	1,269	36	36
		8/3-4	1,812	162	51
		8/5	330		
		8/6	1,439	102	26
		8/8	908		
		8/9-10	2,815	133	79
		8/11	982		
		8/12	1,372		
		8/13	10,825		
		8/15	1,486		
		8/16	3,534	67	67
		8/17	1,605		
		8/18	1,974		
		8/19	1,153		
		8/20	1,193		
		Period Subtotal	46,093	1,100	400
Late		>9/1	4,146		
		Period Subtotal	4,146	0	0
Total			50,239	1,100	400

^a Fishery descriptions and restrictions.

Appendix D10.—Sockeye salmon, 2009, Southwest Stepovak, Balboa Bay, and Beaver Bay sections (statistical areas 281-70, 281-80, 281-90), Southeastern District Mainland area, Southeastern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/1-8	0		
		Period Subtotal	0	0	0
2		7/9	4,606		
		7/10	2,849	400	
		7/13	2,568	200	
		7/14	11,967		
		7/23	1,075		
		7/24	1,796		
		7/25	2,829	400	
		Period Subtotal	27,690	1,000	0
3		7/26	3,961	400	
		7/27	1,400		
		7/28	1,675		
		7/29	653		
		7/30	1,240		
		7/31	1,757		
		8/4	949	54	
		8/5	2,158		
		8/10	498	200	
		8/11	889		
		8/14	515		
		8/15	857	80	
		8/18	285		
		8/19	685	38	
		8/20	447		
		8/21	164		
		8/22	288		
		8/23	280		
		Period Subtotal	18,701	772	0
Late		>9/1	1,217		
		Period Subtotal	1,217	0	0
Total			47,608	1,772	0

^a Fishery descriptions and restrictions.

APPENDIX E
CHUM SALMON, (JUNE), SHUMAGIN ISLANDS SECTION,
DOLGOI ISLAND AREA, IKATAN AREA AND UNIMAK
DISTRICT, ALASKA PENINSULA AREA, WESTWARD
REGION, COMMERCIAL HARVEST SAMPLING DETAILS

Appendix E1.—Chum salmon, 2006, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	4,064	402	
		6/8	6,768	200	
		6/9	2,025		
		6/10	3,112		
		Period Subtotal	15,969	602	0
2		6/12	11,618		
		6/13	20,930	400	
		6/14	12,572	200	
		6/15	8,203		
		Period Subtotal	53,323	600	0
3		6/17	21,646	400	
		6/18	30,208		
		6/19	17,272	200	
		6/20	19,323		
		Period Subtotal	88,449	600	0
4		6/22	5,976		
		6/23	6,819	290	
		6/24	3,803	302	
		6/25	3,772		
		Period Subtotal	20,370	592	0
5		6/27	13,551	400	
		6/28	5,446		
		6/29	6,703	200	
		Period Subtotal	25,700	600	0
Total			203,811	2994	0

^a Fishery descriptions and restrictions.

Appendix E2.–Chum salmon, 2007, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	10,046	317	133
		6/8	12,692	202	168
		6/9	3,091		
		6/10	11,138	99	99
		Period Subtotal	36,967	618	400
2		6/12	4,084	200	114
		6/13	10,252	461	286
		6/14	6,097		
		6/15	10,192		
		Period Subtotal	30,625	661	400
3		6/17	4,953	400	200
		6/18	5,440		
		6/19	8,586	200	200
		6/20	7,131		
		Period Subtotal	26,110	600	400
4		6/22	2,277	294	132
		6/23	7,141		
		6/24	4,640	318	268
		6/25	12,283		
		Period Subtotal	26,341	612	400
5		6/27	4,812	404	200
		6/28	6,163		
		6/29	13,187	200	200
		Period Subtotal	24,162	604	400
Total			144,205	2,895	2,000

^a Fishery descriptions and restrictions.

Appendix E3.–Chum salmon, 2008, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-10	0		
		Period Subtotal	0	0	0
2		6/14-15	12,832	400	400
		Period Subtotal	12,832	400	400
3		6/17	18,491	400	200
		6/18	30,671	200	200
		6/19	11,774		
		6/20	6,174		
		Period Subtotal	67,110	600	400
4		6/22	3,313	400	200
		6/23	14,583	200	200
		6/24	7,354		
		6/25	1,636		
		Period Subtotal	26,886	600	400
5		6/27	7,697	400	200
		6/28	3,821		
		6/29	8,137	200	200
		Period Subtotal	19,655	600	400
Total			126,483	2,200	1,600

^a Fishery descriptions and restrictions.

Appendix E4.–Chum salmon, 2009, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	2,559	380	180
		6/8	8,224		
		6/9	6,309		
		6/10	6,531	220	220
		Period Subtotal	23,623	600	400
2		6/12	9,141	400	200
		6/13	46,393		
		6/14	46,973		
		6/15	53,798	200	200
		Period Subtotal	156,305	600	400
3		6/17	29,451	400	200
		6/18	53,329		
		6/19	30,714		
		6/20	30,718	200	200
		Period Subtotal	144,212	600	400
4		6/22	28,853	379	227
		6/23	22,099		
		6/24	32,200		
		6/25	34,220	200	173
		Period Subtotal	117,372	579	400
5		6/27	8,324	400	200
		6/28	25,806		
		6/29	20,350	200	200
		Period Subtotal	54,480	600	400
Total			495,992	2,979	2,000

^a Fishery descriptions and restrictions.

Appendix E5.—Chum salmon, 2006, (June), Dolgoi Island area (statistical areas all 283-XX, and 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	138	80	
		6/8	163		
		6/9	116	73	
		6/10	1,036	400	
		Period Subtotal	1,453	553	0
2		6/12	320		
		6/13	845		
		6/14	429		
		6/15	189	77	
		Period Subtotal	1,783	77	0
3		6/17	239	187	
		6/18	285		
		6/19	342	204	
		6/20	507		
		Period Subtotal	1,373	391	0
4		6/22	750	98	
		6/23	307	194	
		6/24	761	333	
		6/25	723		
		Period Subtotal	2,541	625	0
5		6/27	275	127	
		6/28	585	320	
		6/29	422		
		Period Subtotal	1,282	447	0
Total			8,432	2,093	0

^a Fishery descriptions and restrictions.

Appendix E6.—Chum salmon, 2007, (June), Dolgoi Island area (statistical areas all 283-XX, and 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	198		
		6/8	527		
		6/9-10	201	162	
		Period Subtotal	926	162	0
2		6/12	34		
		6/13-15	233	99	
		Period Subtotal	267	99	0
3		6/17	22		
		6/18	24		
		6/19-20	322	254	
		Period Subtotal	368	254	0
4		6/22	250	197	
		6/23	465	403	
		6/24	293		
		6/25	344		
		Period Subtotal	1,352	600	0
5		6/27	398	210	
		6/28-29	446	130	
		Period Subtotal	844	340	0
Total			3,757	1,455	0

^a Fishery descriptions and restrictions.

Appendix E7.—Chum salmon, 2006, (June), Ikatan area (statistical area 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	505	146	
		6/8	171		
		6/9-10	332	109	
		Period Subtotal	1,008	255	0
2		6/12-13	375	233	
		Period Subtotal	375	233	0
3		6/17	1,712	143	
		6/18	1,533	199	
		6/19	1,584		
		6/20	1,500		
		Period Subtotal	6,329	342	0
4		6/22-23	441	289	
		6/24	820	155	
		6/25	115		
		Period Subtotal	1,376	444	0
5		6/27	363	117	
		6/28	377	304	
		6/29	278		
		Period Subtotal	1,018	421	0
Total			10,106	1,695	0

^a Fishery descriptions and restrictions.

Appendix E8.—Chum salmon, 2007, (June), Ikatan area (statistical area 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-8	6,629	624	400
		6/9	3,150		
		6/10	3,124		
		Period Subtotal	12,903	624	400
2		6/12	4,158	201	182
		6/13	3,161	200	138
		6/14	1,825	200	80
		6/15	4,071		
		Period Subtotal	13,215	601	400
3		6/17	2,399	400	200
		6/18	3,481	200	200
		6/19	1,192		
		6/20	3,536		
		Period Subtotal	10,608	600	400
4		6/22	1,436	365	165
		6/23-24	1,653	235	235
		6/25	1,738		
		Period Subtotal	4,827	600	400
5		6/27	1,341	400	256
		6/28	752	200	144
		6/29	160		
		Period Subtotal	2,253	600	400
Total			43,806	3,025	2,000

^a Fishery descriptions and restrictions.

Appendix E9.—Chum salmon, 2008, (June), Ikatan area (statistical area 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	60		
		6/8	108		
		6/9	305		
		6/10	329		
		Period Subtotal	802	0	0
2		6/12	404		
		6/13	910		
		6/14	1,942		
		6/15	7,484	400	400
		Period Subtotal	10,740	400	400
3		6/17-19	8,728	530	400
		6/20	1,651		
		Period Subtotal	10,379	530	400
4		6/22	2,521		
		6/23	1,923	200	200
		6/24	5,236		
		6/25	894		
		Period Subtotal	10,574	200	200
5		6/27	973	594	400
		6/28	1,043		
		6/29	933		
		Period Subtotal	2,949	594	400
Total			35,444	1,724	1,400

^a Fishery descriptions and restrictions.

Appendix E10.—Chum salmon, 2009, (June), Ikatan area (statistical area 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	417	129	129
		6/8	497		
		6/9	268		
		6/10	2,401		
		Period Subtotal	3,583	129	129
2		6/12	83		
		6/13	871		
		6/14	1,698	386	386
		6/15	2,016		
		Period Subtotal	4,668	386	386
3		6/17	1,990		
		6/18	6,205	400	200
		6/19	6,521	200	200
		6/20	4,233		
		Period Subtotal	18,949	600	400
4		6/22	6,006	400	200
		6/23	9,503	200	200
		6/24	8,359		
		6/25	7,950		
		Period Subtotal	31,818	600	400
5		6/27	8,937	400	306
		6/28	2,730	200	94
		6/29	4,414		
		Period Subtotal	16,081	600	400
	Total			75,099	2,315

^a Fishery descriptions and restrictions.

Appendix E11.—Chum salmon, 2006, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	1,571	89	
		6/8	2,081		
		6/9	1,357		
		6/10	2,280	133	
		Period Subtotal	7,289	222	0
2		6/12	3,394	200	
		6/13	9,150		
		6/14	9,063	200	
		6/15	9,153		
		Period Subtotal	30,760	400	0
3		6/17	7,258	388	
		6/18	5,740		
		6/19	7,907	215	
		6/20	14,354		
		Period Subtotal	35,259	603	0
4		6/22	2,324		
		6/23	1,846		
		Period Subtotal	4,170	0	0
5		6/24-6/30	0		
		Period Subtotal	0	0	0
Total			77,478	1,225	0

^a Fishery descriptions and restrictions.

Appendix E12.—Chum salmon, 2007, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	1,114	400	200
		6/8	3,373	200	200
		6/9	4,342		
		6/10	6,174		
		Period Subtotal	15,003	600	400
2		6/12	5,552	400	200
		6/13	10,486		
		6/14	6,769	200	200
		6/15	15,573		
		Period Subtotal	38,380	600	400
3		6/17	10,495	400	200
		6/18	11,411		
		6/19	10,365		
		6/20	8,604	200	200
		Period Subtotal	40,875	600	400
4		6/22	1,553	202	140
		6/23-24	2,887	398	260
		6/25	5,028		
		Period Subtotal	9,468	600	400
5		6/27	2,045	400	400
		Period Subtotal	2,045	400	400
Total			105,771	2,800	2,000

^a Fishery descriptions and restrictions.

Appendix E13.—Chum salmon, 2008, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-9	21,566	600	400
		6/10	2,706		
		Period Subtotal	24,272	600	400
2		6/12	13,133	400	221
		6/13	15,074	179	179
		6/14	15,933		
		6/15	14,870		
		Period Subtotal	59,010	579	400
3		6/17	9,821	400	200
		6/18-19	47,277	200	200
		6/20	13,697		
		Period Subtotal	70,795	600	400
4		6/22	14,281	200	200
		6/23	14,261	200	200
		6/24	19,769		
		6/25	15,224		
		Period Subtotal	63,535	400	400
5		6/27	10,765	400	400
		6/28	8,983		
		6/29	7,977		
		Period Subtotal	27,725	400	400
Total			245,337	2,579	2,000

^a Fishery descriptions and restrictions.

Appendix E14.—Chum salmon, 2009, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7–6/8	2,421	200	108
		6/9–6/10	7,497	400	292
		Period Subtotal	9,918	600	400
2		6/12	2,304	400	221
		6/13	3,591	200	179
		6/14	7,233		
		6/15	15,660		
		Period Subtotal	28,788	600	400
3		6/17	12,898	400	200
		6/18	15,387	200	200
		6/19	7,596		
		6/20	5,443		
		Period Subtotal	41,324	600	400
4		6/22	1,559	400	200
		6/23	3,900	200	200
		6/24	3,440		
		6/25	2,248		
		Period Subtotal	11,147	600	400
5		6/27	10,014	400	208
		6/28	9,265	200	192
		6/29	8,980		
		Period Subtotal	28,259	600	400
Total			119,436	3,000	2,000

^a Fishery descriptions and restrictions.

APPENDIX F
SOCKEYE SALMON, (JUNE), SHUMAGIN ISLANDS SECTION,
DOLGOI ISLAND AREA, IKATAN AREA AND UNIMAK
DISTRICT, ALASKA PENINSULA AREA, WESTWARD
REGION, COMMERCIAL HARVEST SAMPLING DETAILS

Appendix F1.—Sockeye salmon, 2006, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	17,669	230	129
		6/8	16,997	115	115
		6/9	6,329		
		6/10	6,638		
		6/12	21,288	299	156
		6/13	36,435		
		Period Subtotal	105,356	644	400
2		6/14	19,813	190	120
		6/15	12,437		
		6/17	25,605	245	155
		6/18	44,871		
		6/19	34,357	125	125
		6/20	39,580		
		Period Subtotal	176,663	560	400
3		6/22	21,904	305	148
		6/23	23,889		
		6/24	15,131	152	102
		6/25	18,910		
		6/27	45,235	100	100
		6/28	18,519		
		6/29	15,631	50	50
		Period Subtotal	159,219	607	400
Total			441,238	1,826	1,200

^a Fishery descriptions and restrictions.

Appendix F2.—Sockeye salmon, 2007, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	7,526	288	65
		6/8	18,217		
		6/9	8,226		
		6/10	16,856		
		6/12	19,868	200	173
		6/13	47,826	162	162
		Period Subtotal	118,519	650	400
2		6/14	38,497	166	63
		6/15	54,576	189	90
		6/17	39,655	157	65
		6/18	39,644	200	65
		6/19	66,778		
		6/20	71,540	131	117
		Period Subtotal	310,690	843	400
3		6/22	25,673	178	59
		6/23	68,531	218	158
		6/24	44,787		
		6/25	116,628		
		6/27	36,126		
		6/28	51,645		
		6/29	79,599	205	183
		Period Subtotal	422,989	601	400
Total			852,198	2,094	1,200

^a Fishery descriptions and restrictions.

Appendix F3.—Sockeye salmon, 2008, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-13	0		
		Period Subtotal	0	0	0
2		6/14-15	15,088	335	52
		6/17	61,872	250	213
		6/18	89,538	135	135
		6/19	84,685		
		6/20	58,618		
		Period Subtotal	309,801	720	400
3		6/22	40,261	304	107
		6/23	98,690		
		6/24	56,438	152	149
		6/25	15,472		
		6/27	46,739	96	96
		6/28	37,126		
		6/29	44,478	48	48
		Period Subtotal	339,204	600	400
Total			649,005	1,320	800

^a Fishery descriptions and restrictions.

Appendix F4.—Sockeye salmon, 2009, (June), Shumagin Islands Section (statistical areas all 282-XX), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	3,704	230	
		6/8	9,143		
		6/9	12,633		
		6/10	10,067	115	
		6/12	13,133	325	
		6/13	58,937		
		Period Subtotal	107,617	670	0
2		6/14	44,842		
		6/15	44,700	165	
		6/17	25,172	245	
		6/18	54,733		
		6/19	41,825		
		6/20	42,523	123	
		Period Subtotal	253,795	533	0
3		6/22	25,332	304	
		6/23	26,569		
		6/24	32,776		
		6/25	39,761	152	
		6/27	16,321	98	
		6/28	45,968		
		6/29	24,558	50	
		Period Subtotal	211,285	604	0
Total			572,697	1,807	0

^a Fishery descriptions and restrictions.

Appendix F5.—Sockeye salmon, 2006, (June), Dolgoi Island area (statistical areas all 283-XX, 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	4,310	213	213
		6/8	8,323		
		6/9	3,020	152	152
		6/10	11,320		
		6/12	6,774		
		6/13	13,430		
		Period Subtotal	47,177	365	365
2		6/14	9,903		
		6/15	3,984	185	70
		6/17	7,199	235	126
		6/18	13,645		
		6/19	21,789	204	204
		6/20	21,545		
		Period Subtotal	78,065	624	400
3		6/22	19,149	180	131
		6/23	9,607	103	66
		6/24	22,648		
		6/25	21,533		
		6/27	13,275	226	90
		6/28	17,727	113	113
		6/29	14,034		
		Period Subtotal	117,973	622	400
Total			243,215	1,611	1,165

^a Fishery descriptions and restrictions.

Appendix F6.—Sockeye salmon, 2007, (June), Dolgoi Island area (statistical areas all 283-XX, 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	2,331	215	115
		6/8	2,626		
		6/9-10	4,878	124	124
		6/12	1,897	240	93
		6/13	1,379	120	68
		Period Subtotal	13,111	699	400
2		6/14	3,040		
		6/15	1,032		
		6/17	1,736		
		6/18-19	7,193	501	400
		6/20	6,575		
		Period Subtotal	19,576	501	400
3		6/22	4,286		
		6/23-24	23,196	264	264
		6/25	8,923		
		6/27	2,497	135	42
		6/28	5,678	151	94
		6/29	3,033		
		Period Subtotal	47,613	550	400
Total			80,300	1,750	1,200

^a Fishery descriptions and restrictions.

Appendix F7.—Sockeye salmon, 2008, (June), Dolgoi Island area (statistical areas all 283-XX, 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-8	399	311	311
		Period Subtotal	399	311	311
2		6/14	439		
		6/15	5,011	240	131
		6/17-19	5,231	382	269
		6/20	2,061		
		Period Subtotal	12,742	622	400
3		6/22	2,181		
		6/23	2,129	88	88
		6/24	2,816		
		6/25	4,959		
		6/27	2,465	224	200
		6/28-29	7,647	112	112
		Period Subtotal	22,197	424	400
Total			35,338	1,357	1,111

^a Fishery descriptions and restrictions.

Appendix F8.—Sockeye salmon, 2009, (June), Dolgoi Island area (statistical areas all 283-XX, 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	372		
		6/8	1,410	226	
		6/9	2,764		
		6/10	545	116	
		6/12	1,602	240	
		6/13	699		
		Period Subtotal	7,392	582	0
2		6/14	633	120	
		6/15	907		
		6/17	4,652	334	
		6/18	4,354	167	
		6/19	2,109		
		6/20	1,879		
		Period Subtotal	14,534	621	0
3		6/22	5,199	176	
		6/23	4,776		
		6/24	5,416	88	
		6/25	6,048		
		6/27	5,983		
		6/28	8,015	336	
		6/29	7,621		
		Period Subtotal	43,058	600	0
Total			64,984	1,803	0

^a Fishery descriptions and restrictions.

Appendix F9.–Sockeye salmon, 2006, (June), Ikatan area (statistical areas 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-10	3,349	256	256
		6/12	830	327	144
		6/13	1,151		
		Period Subtotal	5,330	583	400
2		6/17	3,128	217	217
		6/18	6,000	126	126
		6/19	6,690		
		6/20	4,364		
		Period Subtotal	20,182	343	343
3		6/22-23	1,325	409	363
		6/24	2,289		
		6/25	2,122		
		6/27	3,555	25	25
		6/28	1,712	12	12
		6/29	2,323		
		Period Subtotal	13,326	446	400
Total			38,838	1,372	1,143

^a Fishery descriptions and restrictions.

Appendix F10.–Sockeye salmon, 2007, (June), Ikatan area (statistical areas 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	5,495	200	48
		6/8	20,083	301	175
		6/9	11,234		
		6/10	13,616		
		6/12	14,215	218	124
		6/13	6,163	109	54
		Period Subtotal	70,806	828	401
2		6/14	3,874		
		6/15	20,916		
		6/17-18	33,413	372	372
		6/19	9,190		
		6/20	16,777		
		Period Subtotal	84,170	372	372
3		6/22	7,160		
		6/23	2,722		
		6/24	4,804	296	296
		6/25	6,018		
		6/27-28	9,823	32	32
		6/29	824		
		Period Subtotal	31,351	328	328
Total			186,327	1,528	1,101

^a Fishery descriptions and restrictions.

Appendix F11.—Sockeye salmon, 2008, (June), Ikatan area (statistical areas 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	228		
		6/8	217		
		6/9	619		
		6/10	781		
		6/12	1,201		
		6/13	1,025		
		Period Subtotal	4,071	0	0
2		6/14	5,949		
		6/15	11,991	218	98
		6/17-19	38,852	385	302
		6/20	9,333		
		Period Subtotal	66,125	603	400
3		6/22	16,558		
		6/23	15,318	190	190
		6/24	50,971		
		6/25	15,152		
		6/27	5,932	32	32
		6/28	3,924		
		6/29	5,030		
		Period Subtotal	112,885	222	222
Total			183,081	825	622

^a Fishery descriptions and restrictions.

Appendix F12.—Sockeye salmon, 2009, (June), Ikatan area (statistical areas 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	2,253	367	
		6/8	1,610		
		6/9	1,737	65	
		6/10	7,421	102	
		6/12	739		
		6/13	5,183		
		Period Subtotal	18,943	534	0
2		6/14	7,704	218	
		6/15	6,834		
		6/17	4,540		
		6/18	14,854	248	
		6/19	19,267	124	
		6/20	21,202		
		Period Subtotal	74,401	590	0
3		6/22	14,699	242	
		6/23	15,184	327	
		6/24	17,997		
		6/25	10,045		
		6/27	9,835	32	
		6/28	4,318		
		6/29	5,140		
		Period Subtotal	77,218	601	0
Total			170,562	1,735	0

^a Fishery descriptions and restrictions.

Appendix F13.—Sockeye salmon, 2006, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	4,343	114	114
		6/8	7,247		
		6/9	6,262		
		6/10	9,981	208	208
		6/12	8,309	52	52
		6/13	21,029		
		Period Subtotal	57,171	374	374
2		6/14	23,841	400	180
		6/15	23,805		
		6/17	16,868	181	127
		6/18	18,390		
		6/19	24,363	93	93
		6/20	31,082		
		Period Subtotal	138,349	674	400
3		6/22	8,919		
		6/23	4,561		
		Period Subtotal	13,480	0	0
Total			209,000	1,048	774

^a Fishery descriptions and restrictions.

Appendix F14.—Sockeye salmon, 2007, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	3,451	213	49
		6/8	11,265	107	107
		6/9	18,726		
		6/10	31,679		
		6/12	20,441	407	244
		6/13	37,346		
		Period Subtotal	122,908	727	400
2		6/14	47,341	204	154
		6/15	78,317		
		6/17	44,844	200	146
		6/18	53,255		
		6/19	47,009		
		6/20	43,172	100	100
		Period Subtotal	313,938	504	400
3		6/22	6,679		
		6/23	3,430		
		6/24	5,175	300	200
		6/25	11,609		
		6/27	7,160	200	200
		6/29	116		
		Period Subtotal	34,169	500	400
Total			471,015	1,731	1,200

^a Fishery descriptions and restrictions.

Appendix F15.—Sockeye salmon, 2008, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-9	33,167	310	183
		6/10	3,893		
		6/12	18,725	407	71
		6/13	38,628	204	146
		Period Subtotal	94,413	921	400
2		6/14	48,819		
		6/15	95,889		
		6/17	40,155	180	180
		6/18-19	231,643	90	90
		6/20	49,626		
		Period Subtotal	466,132	270	270
3		6/22	30,719	200	156
		6/23	67,822	100	100
		6/24	63,407		
		6/25	64,064		
		6/27	28,455	200	144
		6/28	21,073		
		6/29	10,066		
		Period Subtotal	285,606	500	400
Total			846,151	1,691	1,070

^a Fishery descriptions and restrictions.

Appendix F16.—Sockeye salmon, 2009, (June), Unimak District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7	1,581	213	
		6/8	4,259	107	
		6/9	9,442		
		6/10	14,392		
		6/12	9,173	407	
		Period Subtotal	38,847	727	0
2		6/13	16,079	204	
		6/14	28,658		
		6/15	46,470		
		6/17	34,857	180	
		6/18	60,027	90	
		6/19	32,499		
		6/20	26,099		
		Period Subtotal	244,689	474	0
3		6/22	4,849	200	
		6/23	4,318	100	
		6/24	9,405		
		6/25	4,731		
		6/27	24,660	200	
		6/28	14,675	100	
		6/29	13,366		
		Period Subtotal	76,004	600	0
Total			359,540	1,801	0

^a Fishery descriptions and restrictions.

APPENDIX G
CHUM SALMON, (POST-JUNE), SHUMAGIN ISLANDS
SECTION, DOLGOI ISLAND AREA, IKATAN AREA AND
UNIMAK DISTRICT, ALASKA PENINSULA AREA,
WESTWARD REGION, COMMERCIAL HARVEST SAMPLING
DETAILS

Appendix G1.—Chum salmon, 2006, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	50,157	200	
		7/8-9	13,667	200	
		7/11-12	38,926	200	
		Period Subtotal	102,750	600	0
2		7/14-15	125,686	205	
		7/17-18	7,062	208	
		7/20	7,530		
		7/21	5,354	200	
		Period Subtotal	145,632	613	0
3		7/23-24	41,853	420	
		7/27-28	37,600	100	
		7/30	5,903		
		7/31	9,122	100	
		Period Subtotal	94,478	620	0
Late		>8/3	51,072		
		Period Subtotal	51,072	0	0
Total			393,932	1,833	0

^a Fishery descriptions and restrictions.

Appendix G2.—Chum salmon, 2007, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	10,956	200	157
		7/9	8,872	200	127
		7/11	5		
		7/12	8,088	200	116
		Period Subtotal	27,921	600	400
2		7/15	13,079	200	114
		7/18	27,836	200	200
		7/20	3		
		7/21	9,846	200	86
		Period Subtotal	50,764	600	400
3		7/23	5,198		
		7/24	32,240	420	274
		7/27	3,147		
		7/28	8,994	90	77
		7/30	2,447		
		7/31	5,779	90	49
		Period Subtotal	57,805	600	400
Late		>8/1	30,721		
		Period Subtotal	30,721	0	0
Total			167,211	1,800	1,200

^a Fishery descriptions and restrictions.

Appendix G3.—Chum salmon, 2008, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	2,150	133 ^b	38
		7/8	39		
		7/9	9,256	200	162
		7/11	107		
		7/12	20,022	200	200
		Period Subtotal	31,574	533	400
2		7/14-15	18,474	200	194
		7/17-18	9,976	200	105
		7/20-21	9,606	200	101
		7/22	1		
		Period Subtotal	38,057	600	400
3		7/23	2,106	205	46
		7/24	6,513	215	215
		7/27	1,646	60	36
		7/28	3,068		
		7/30	1,570	90	34
		7/31	7,469		
		8/1	5,836		
		8/2	3,118	125	68
		8/3	3,314		
		8/4	7,222		
		8/5	4,916		
		Period Subtotal	46,778	695	400
Late		>8/6	22,004		
		Period Subtotal	22,004	0	0
Total			138,413	1,828	1,200

^a Fishery descriptions and restrictions.

^b Bottle recorded as 7/5; however, no harvest occurred on 7/5; therefore samples were assigned to 7/6.

Appendix G4.—Chum salmon, 2009, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	7/3	244		
	A	7/4	2,817		
	A	7/5	1,164		
		7/6	18,036	133	133
		7/9	5,804	200	200
		Period Subtotal	28,065	333	333
2		7/11	77		
		7/12	9,471	200	150
		7/14	147		
		7/15	5,946	200	94
		7/17	8		
		7/18	9,828	200	156
		7/20	5		
		Period Subtotal	25,482	600	400
3		7/21	8,836	200	76
		7/23	2,066	195	18
		7/24	14,772	225	127
		7/27	1,279		
		7/28	16,615	90	90
		7/30	5,203		
		7/31	16,182	90	90
		Period Subtotal	64,953	800	401
Late		>8/1	105,309		
		Period Subtotal	105,309	0	0
Total			223,809	1,733	1,134

^a Fishery descriptions and restrictions: A=Test fishery harvests.

Appendix G5.—Chum salmon, 2006, (post-June), Dolgoi Island area (statistical areas all 283-XX, and 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	10,261	75	
		7/8	30		
		7/9	1,563	150	
		7/12	2,448	75	
		7/13	134		
		7/14	107	75	
		7/15	3,954		
		7/16	366		
		7/17	620	75	
		7/18	2,068		
		7/19	46		
		7/20-21	17,907	75	
		7/22	497		
		7/23	5,994	75	
		7/24	3,145		
		7/27	2,266		
		7/28	2,045	75	
		7/30	4,258		
		7/31	6,901		
		Period Subtotal	64,610	675	0
Late		>8/1	237,335		
		Period Subtotal	237,335	0	0
Total			301,945	675	0

^a Fishery descriptions and restrictions.

Appendix G6.—Chum salmon, 2007, (post-June), Dolgoi Island area (statistical areas all 283-XX, and 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	225	50	7
		7/9	1,042	50	32
		7/11-12	1,056	75	33
		7/15	1,141	75	35
		7/18	1,715	75	53
		7/21	2,043	75	63
		7/23-24	3,086	75	75
		7/26	15		
		7/27	865	75	27
		7/28	24,217		
		7/29	784		
		7/30-31	2,901	75	75
		Period Subtotal	39,090	625	400
Late		>8/1	89,472		
		Period Subtotal	89,472	0	0
Total			128,562	625	400

^a Fishery descriptions and restrictions.

Appendix G7.—Chum salmon, 2008, (post-June), Dolgoi Island area (statistical areas all 283-XX, and 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	1,180	75	28
		7/8-9	304	50	7
		7/12	408		
		7/15	6,325	11	11
		7/17-18	3,473	50	50
		7/21-22	7,748	139	139
		7/23	3,084		
		7/24	2,064	75	75
		7/26	1,815		
		7/27	2,319		
		7/28	3,134		
		7/29	916		
		7/30-31	3,787	150	90
		Period Subtotal	36,557	550	400
Late		>8/1	60,043		
		Period Subtotal	60,043	0	0
Total			96,600	550	400

^a Fishery descriptions and restrictions.

Appendix G8.—Chum salmon, 2009, (post-June), Dolgoi Island area (statistical areas all 283-XX, and 284-00 through 284-42), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	676	72	18
		7/9	786	78	21
		7/12	1,163	75	31
		7/15	1,093	75	29
		7/17-18	1,432	75	38
		7/21	1,423	75	38
		7/23-24	2,869	75	75
		7/27-28	3,728	75	75
		7/30-31	10,601	75	75
		Period Subtotal	23,771	675	400
Late		>8/1	399,236		
		Period Subtotal	399,236	0	0
Total			423,007	675	400

^a Fishery descriptions and restrictions.

Appendix G9.—Chum salmon, 2006, (post-June), Ikatan area (statistical area 284-45 through 284-99) Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	119	75	
		7/9	16		
		7/12	22		
		7/15	87		
		7/18	138		
		7/21	4,409		
		7/22	58		
		7/23	6,358		
		7/24	6,331		
		7/27	130		
		7/28	88		
		7/31	6,151		
		Period Subtotal	23,907	75	0
Late		>8/1	91,749		
		Period Subtotal	91,749	0	0
Total			115,656	75	0

^a Fishery descriptions and restrictions.

Appendix G10.—Chum salmon, 2007, (post-June), Ikatan area (statistical area 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	1,083	50	50
		7/9	115	50	50
		7/12	109		
		7/15	309	50	50
		7/18	422		
		7/21	221		
		7/23	400	75	75
		7/24	15		
		7/27	479	75	75
		7/28	165		
		7/30	229		
		7/31	65		
		Period Subtotal	3,612	300	300
Late		>8/1	33,583		
		Period Subtotal	33,583	0	0
Total			37,195	300	300

^a Fishery descriptions and restrictions.

Appendix G11.—Chum salmon, 2008, (post-June), Ikatan area (statistical area 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6-18	1,030	323	123
		7/20-21	913	50	50
		7/22	38		
		7/23-24	3,475	75	75
		7/25	671		
		7/26	30		
		7/27-28	3,523	77	77
		7/29	179		
		7/30-31	1,815	75	75
		Period Subtotal	11,674	600	400
Late		>8/1	45,053		
		Period Subtotal	45,053	0	0
Total			56,727	600	400

^a Fishery descriptions and restrictions.

Appendix G12.–Chum salmon, 2009, (post-June), Ikatan area (statistical area 284-45 through 284-99), Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	3,039		
		7/9	1,180	150	75
		7/12	1,574		
		7/15	1,115	106	71
		7/18	433	121	28
		7/21	494		
		7/23–24	2,282	127	127
		7/27	764		
		7/28	597		
		7/30–31	1,810	99	99
		Period Subtotal	13,288	603	400
Late		>8/1	165,048		
		Period Subtotal	165,048	0	0
Total			178,336	603	400

^a Fishery descriptions and restrictions.

APPENDIX H
SOCKEYE SALMON, (POST-JUNE), SHUMAGIN ISLANDS
SECTION, DOLGOI ISLAND AREA, IKATAN AREA AND
UNIMAK DISTRICT, ALASKA PENINSULA AREA,
WESTWARD REGION, COMMERCIAL HARVEST SAMPLING
DETAILS

Appendix H1.—Sockeye salmon, 2006, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	36,183	135	135
		7/8-9	28,387	135	130
		7/11-12	49,273	135	135
		Period Subtotal	113,843	405	400
2		7/14-15	39,802	135	135
		7/17-18	18,994	112	112
		7/20	383		
		7/21	16,571	165	153
		Period Subtotal	75,750	412	400
3		7/23-24	50,958	420	260
		7/27-28	26,810	100	100
		7/30-31	7,934	100	40
		Period Subtotal	85,702	620	400
4		8/3	8,044		
		8/4	21,375		
		8/5	15,534		
		8/6	11,330		
		8/8	6,878		
		8/9	7,893		
		8/10	6,773		
		8/11	4,827		
		8/12	52		
		8/13	3,705		
		8/14	154		
		8/15	2,088		
		8/16	1,444		
		8/17	659		
		8/18	11		
		8/19	25		
		8/20	346		
		Period Subtotal	91,138	0	0
Total			366,433	1,437	1,200

^a Fishery descriptions and restrictions.

Appendix H2.—Sockeye salmon, 2007, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	67,718	133	133
		7/9	36,467	133	133
		7/11	422		
		7/12	33,750	133	133
		Period Subtotal	138,357	399	399
2		7/15	37,422	133	133
		7/18	41,339	133	133
		7/20	40		
		7/21	21,530	135	133
		Period Subtotal	100,331	399	399
3		7/23	6,702		
		7/24	63,390	420	247
		7/27	7,160		
		7/28	24,371	90	90
		7/30	3,065		
		7/31	16,157	90	63
		Period Subtotal	120,845	600	400
4		8/1	2,588		
		8/2	5,073	400	153
		8/3	3,814	400	115
		8/4	1,168		
		8/5	3,673		
		8/6	1,461		
		8/7	4,338		
		8/8	2,325	200	70
		8/9	3,268		
		8/10	3,777		
		8/11	2,510		
		8/12	2,096		
		8/13	1,137	100	34
		8/14	396		
		8/15	952	200	29
		8/16	737		
		8/17	72		
		8/19	590		
		Period Subtotal	39,975	1,300	400
Total			399,508	2,698	1,598

^a Fishery descriptions and restrictions.

Appendix H3.—Sockeye salmon, 2008, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	7,170	133	133
		7/8	913		
		7/9	27,789	133	133
		7/11	1,162		
		7/12	27,118	133	133
		Period Subtotal	64,152	399	399
2		7/14	1,770		
		7/15	33,341	133 ^b	133
		7/17-18	18,734	133	133
		7/20-21	13,317	553	134
		Period Subtotal	67,162	819	400
3		7/23	2,976		
		7/24	5,802		
		7/27	2,718	60	60
		7/28	2,182		
		7/30	1,885	90	90
		7/31	3,672		
		Period Subtotal	19,235	150	150
4		8/1	7,813		
		8/2-3	7,994	440	73
		8/4-5	19,589	160	160
		8/6	6,038		
		8/7	9,761		
		8/8	2,535		
		8/9	2,144		
		8/10	2,163	200	27
		8/11	2,670		
		8/12	3,900		
		8/13	36		
		8/14-15	5,293	100	66
		8/16	4,453		
		8/17-18	2,774	133	36
		8/19	1,949		
		8/20	3,059	59	38
		8/21	1,565		
		Period Subtotal	83,849	1,092	400
Total			234,398	2,460	1,349

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 7/16; however, no harvest occurred on 7/16; therefore samples were assigned to 7/15.

Appendix H4.—Sockeye salmon, 2009, (post-June), Shumagin Islands Section, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	7/3	216		
	A	7/4	599		
	A	7/5	772		
		7/6	15,961	133	
		7/8	88		
		7/9	7,141	140	
		Period Subtotal	24,777	273	0
2		7/11	33		
		7/12	15,581	133	
		7/14	224		
		7/15	11,159	133	
		7/17	181		
		7/18	22,945	133	
		7/20	91		
		7/21	11,915	133	
		Period Subtotal	62,129	532	0
3		7/23	4,133	280	
		7/24	17,150	140	
		7/27	1,001		
		7/28	14,451	90	
		7/30	3,095		
		7/31	9,992	90	
		Period Subtotal	49,822	600	0
4		8/1	4,133	383	
		8/2	2,031		
		8/3	230		
		8/4	5,189		
		8/5	2,016		
		8/6	4,923	217	
		8/7	2,881		
		8/8	2,778	200	
		8/9	1,477		
		8/10	337		
		8/11	550		
		8/12	2,101	100	
		8/13	2,876		
		8/14	6,480		
		8/15	1,294		
		8/16	4,109	133	
		8/17	5,860		
		8/18	3,086		
		8/19	143	20	
		8/20	180		
		8/21	249		
		8/22	166		
		8/23	91		
		Period Subtotal	53,180	1,053	0
Total			189,908	2,458	0

^a Fishery descriptions and restrictions: A=Test fishery harvest.

Appendix H5.—Sockeye salmon, 2006, (post-June), Dolgoi Island area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	26,738	50	50
		7/8	91		
		7/9	17,677	50	50
		7/12	19,436	50 ^b	50
		7/13	2,753		
		7/14	3,005	50	34
		7/15	29,671		
		7/16	2,509		
		7/17	8,636	50	50
		7/18	29,122		
		7/19	448		
		7/20	1,380	50	16
		7/21	14,086		
		7/22	9,937		
		7/23	6,676	75	75
		7/24	18,612		
		7/27	8,949	75	75
		7/28	6,528		
		7/30	10,658		
		7/31	11,395		
		Period Subtotal	228,307	450	400
Late		8/1	3,682		
		8/2	2,102		
		8/3	460		
		8/4	1,328		
		8/5	2,612		
		8/6	4,176		
		8/8	41		
		8/9	730		
		8/10	1,783		
		8/11	669		
		8/12	19		
		8/13	160		
		8/14	137		
		8/15	15		
		Period Subtotal	17,914	0	0
Total			246,221	450	400

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 7/11; however, no harvest occurred on 7/11; therefore, samples were assigned to 7/12.

Appendix H6.—Sockeye salmon, 2007, (post-June), Dolgoi Island area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	8,157	50	17
		7/9	20,538	50	42
		7/11-12	26,892	50	50
		7/14-15	34,051	50	50
		7/18	17,998	50	37
		7/21	21,349	50	44
		7/23-24	31,140	75	64
		7/26	509		
		7/27	44,503	75	75
		7/28	6,239		
		7/30-31	10,075	75	21
		Period Subtotal	221,451	525	400
Late		8/1-2	3,951	200	170
		8/3-4	4,418	400	190
		8/5	1,500		
		8/6	495		
		8/7	536		
		8/8-14	885	185	38
		8/15	38	27	2
		8/18	36		
		8/19	50		
		8/22	2		
		8/25	1		
		8/26	4		
		Period Subtotal	11,916	812	400
Total			233,367	1,337	800

^a Fishery descriptions and restrictions.

Appendix H7.—Sockeye salmon, 2008, (post-June), Dolgoi Island area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	3,009	50	50
		7/8-9	1,027	50	40
		7/12	1,362		
		7/15	2,581	55	52
		7/18	3,726	50	50
		7/21-22	3,563	17	17
		7/23-24	7,694	145	145
		7/25	614		
		7/26	1,428		
		7/27	311		
		7/28	1,948		
		7/29	618		
		7/30-31	1,179	158	46
		Period Subtotal	29,060	525	400
Late		8/1-3	3,375	324	219
		8/4-5	1,328	76	76
		8/6	20,187		
		8/7	386	103	25
		8/8-9	734	62	48
		8/10	359	175	23
		8/11	147	52	10
		8/13	1		
		8/14	84		
		8/15	127		
		8/16	1		
		8/17	10		
		Period Subtotal	26,739	792	401
Total			55,799		801

^a Fishery descriptions and restrictions.

Appendix H8.—Sockeye salmon, 2009, (post-June), Dolgoi Island area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	15,504	50	
		7/9	7,175	50	
		7/11-12	22,710	50	
		7/15	11,127	50	
		7/17-18	7,980	50	
		7/21	6,690	50	
		7/23-24	6,704	75	
		7/27-28	4,542	75	
		7/30-31	2,993	75	
		Period Subtotal	85,425	525	0
Late		8/1-2	914	77	
		8/3-4	3,586	346	
		8/5	301	85	
		8/6	354	101	
		8/7	869	103	
		8/8	141		
		8/9	26		
		8/10	132	75	
		8/11	187	140	
		8/12	139	43	
		8/13	64		
		8/15	635		
		8/16	78		
		8/18	19		
		8/19	71		
		8/20	12		
		8/22	6		
		8/23	63		
		8/25	6		
		Period Subtotal	7,603	970	0
Total			93,028	1,495	0

^a Fishery descriptions and restrictions.

Appendix H9.—Sockeye salmon, 2006, (post-June), Ikatan area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	475	50	50
		7/9	380		
		7/12	777		
		7/15	845		
		7/18	2,521		
		7/21	819		
		7/22	170		
		7/23	1,463		
		7/24	996		
		7/27	236		
		7/28	126		
		7/31	16		
		Period Subtotal	8,824	50	50
Late		>8/1	5,779		
		Period Subtotal	5,779	0	0
Total			14,603	50	50

^a Fishery descriptions and restrictions.

Appendix H10.—Sockeye salmon, 2007, (post-June), Ikatan area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	5,085	50	50
		7/9	1,443	50	50
		7/12	537		
		7/15	1,309	50	50
		7/18	1,205		
		7/21	1,340		
		7/23	5,829	75	75
		7/24	474		
		7/27	1,204	75	75
		7/28	554		
		7/30	708		
		7/31	304		
		Period Subtotal	19,992	300	300
Late		>8/2	13,117		
		Period Subtotal	13,117	0	0
Total			33,109	300	300

^a Fishery descriptions and restrictions.

Appendix H11.—Sockeye salmon, 2008, (post-June), Ikatan area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	331	88	41
		7/12-15	266	145	33
		7/18	5,026	50	50
		7/20-21	1,201	50	50
		7/22	100		
		7/23-24	1,955	75	75
		7/25	121		
		7/26	313		
		7/27-28	1,414	76	76
		7/29	862		
		7/30-31	2,253	75	75
		Period Subtotal	13,842	559	400
Late		>8/1	28,715		
		Period Subtotal	28,715	0	0
Total			42,557	559	400

^a Fishery descriptions and restrictions.

Appendix H12.—Sockeye salmon, 2009, (post-June), Ikatan area, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/6	2,983		
		7/8-9	2,579	100	
		7/12	2,188		
		7/15	2,530	91	
		7/18	951	59	
		7/21	1,351		
		7/23-24	3,850	76	
		7/27	652		
		7/28	338		
		7/30-31	1,123	67	
		Period Subtotal	18,545	393	0
Late		>8/1	4,436		
		Period Subtotal	4,436	0	0
Total			22,981	393	0

^a Fishery descriptions and restrictions.

APPENDIX I
CHUM SALMON, NORTHERN DISTRICT, ALASKA
PENINSULA AREA, WESTWARD REGION, COMMERCIAL
HARVEST SAMPLING DETAILS

Appendix II.—Chum salmon, 2006, Bear River Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/5	1		
		6/6	0		
		6/12	12		
		6/13	7		
		7/3	59		
		7/4	176		
		7/5	81		
		7/6	106		
		7/7	115		
		7/8-9	225	106	
		7/10-11	618	96	
		7/12	930		
		7/13	1,240		
		7/14	782		
		7/15	709	128	
		7/16	1,148	103	
		7/17	899		
		7/18	1,608		
		7/19	791		
		7/20	1,018		
		7/21	1,562		
		7/22	1,962	30	
		7/23	1,028	170	
		7/24	1,291		
		7/25	854		
		7/26	1,575		
		7/27	1,480		
		7/28	1,975		
		7/29	926		
		7/30	374		
		7/31	86		
Period Subtotal			23,638	633	0
Late		>8/4	8,142		
		Period Subtotal	8,142	0	0
Total			31,780	633	0

^a Fishery descriptions and restrictions.

Appendix I2.—Chum salmon, 2007, Bear River Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/11	3		
		6/12	3		
		6/13	7		
		7/14	108		
		7/15	583	123	123
		7/16	748		
		7/17	592		
		7/18	791		
		7/19	605		
		7/20	2,073		
		7/21	1,798		
		7/22	707		
		7/23	3,040		
		7/24	2,752		
		7/25	1,555	90	90
		7/26-27	2,963	100	100
		7/28	1,130		
		7/29	1,432		
		7/30	1,025		
		7/31	1,355		
		Period Subtotal	23,270	313	313
Late		>8/6	6,238		
		Period Subtotal	6,238	0	0
Total			29,508	313	313

^a Fishery descriptions and restrictions.

Appendix I3.—Chum salmon, 2009, Bear River Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/8	1		
		6/22	33	11	4
		6/23	33		
		6/24	47		
		7/2-3	64	60	7
		7/4	59		
		7/5	67		
		7/6	21		
		7/7	54		
		7/8	232	40	26
		7/9	454	80	52
		7/10	781		
		7/11	485		
		7/12	348		
		7/13	351		
		7/14	514		
		7/15	655		
		7/16	688	180	78
		7/17	988		
		7/18	848		
		7/20	1,308		
		7/21	834		
		7/22	859	79	79
		7/23	1,294		
		7/24	765		
		7/25-26	1,345	183	153
		7/27	501		
		7/28	525		
		Period Subtotal	14,154	633	400
Late		>8//6	4,035		
		Period Subtotal	4,035	0	0
Total			18,189	633	400

^a Fishery descriptions and restrictions.

Appendix I4.—Chum salmon, 2006, Three Hills and Ilnik sections, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/25	843		
		6/26	1,278	100	
		6/27	1,642		
		6/28	2,031		
		6/29	2,275		
		6/30	2,780		
		7/1	2,569		
		7/2	1,094		
		7/3	1,445	61	
		7/4	1,278		
		7/5	1,022		
		7/6	792		
		7/7	1,066		
		7/8	829		
		7/9	777		
		7/10	936	200	
		7/11	2,093	102	
		7/12	1,226		
		7/13	1,927		
		7/14	2,899		
		7/15	1,600		
		7/16	681		
		7/17	846	68	
		7/18	1,424		
		7/19	691	62	
		7/20	1,058	109	
		7/21	639		
		7/22	749		
		7/23	359		
		7/24	394		
		7/25	286	35	
		7/26	981		
		7/27	825		
		7/28	570		
		7/29	174		
		7/30	46	11	
		7/31	79		
		Period Subtotal	42,204	748	0
Late		>8/5	3,817		
		Period Subtotal	3,817	0	0
Total			46,021	748	0

^a Fishery descriptions and restrictions.

Appendix I5.—Chum salmon, 2007, Three Hills and Ilnik sections, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/20	135		
		6/21	275		
		6/22	309		
		6/23	150		
		6/24	368		
		6/25	640		
		6/26	287	30	24
		6/27	341	35	29
		6/28	896		
		6/29	1,349		
		6/30	1,270		
		7/1	917		
		7/2	663		
		7/3	806	25	25
		7/4	1,179		
		7/5	1,402		
		7/6	1,125		
		7/7	1,205		
		7/10	728		
		7/11	632	14	14
		7/12	920		
		7/13	949		
		7/14	827		
		7/15	802		
		7/16	619	17	17
		7/17	507		
		7/18	936		
		7/19	2,883		
		7/20	2,583		
		7/21	1,158	120	98
		7/22	1,119		
		7/23	915		
		7/24	591		
		7/25	985		
		7/26	790		
		7/27	576		
		7/28-29	2,295	197	193
		7/30	1,150		
		7/31	996		
		Period Subtotal	36,278	438	400
Late		>8/6	2,474		
		Period Subtotal	2,474	0	0
Total			38,752	438	400

^a Fishery descriptions and restrictions.

Appendix I6.—Chum salmon, 2008, Three Hills and Ilnik sections, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/30	23		
		7/1	111		
		7/2	382		
		7/3	334		
		7/4	455		
		7/5	28		
		7/7	165		
		7/8	1,640		
		7/9	428		
		7/10	1,029		
		7/11	1,236		
		Period Subtotal	5,831	0	0
Late		>8/10	706		
		Period Subtotal	706	0	0
Total			6,537	0	0

^a Fishery descriptions and restrictions.

Appendix I7.—Chum salmon, 2009, Three Hills and Ilnik sections, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/27	845		
		6/28	1,051		
		6/29	1,386		
		7/4	624	30	30
		7/5	1,214		
		7/6	934		
		7/7	639		
		7/11	722	60	60
		7/12	447		
		7/13	566		
		7/14	242		
		7/15	484	80	80
		7/16	548		
		7/17	397		
		7/18	358		
		7/20	85		
		7/21	280		
		7/22	101	15	15
		7/23	128		
		7/24	791		
		7/25	535		
		7/26	228		
		7/27	160		
		7/28	53		
		Period Subtotal	12,818	185	185
Late		>8/6	2,263		
		Period Subtotal	2,263	0	0
Total			15,081	185	185

^a Fishery descriptions and restrictions.

APPENDIX J
SOCKEYE SALMON, NORTHERN DISTRICT, ALASKA
PENINSULA AREA, WESTWARD REGION, COMMERCIAL
HARVEST SAMPLING DETAILS

Appendix J1.—Sockeye salmon, 2006, Bear River Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/5	39		
		6/6	8		
		6/12	2,130		
		6/13	464		
		7/3	3,291	100	100
		7/4	1,882	100	100
		7/5	2,124	100	100
		7/6	1,454	100	100
		7/7	2,713		
		7/8	1,915		
		Period Subtotal	16,020	400	400
2		7/9	2,242		
		7/10	7,344	200	46
		7/11	10,389	200	66
		7/12	24,025		
		7/13	24,913		
		7/14	29,140		
		7/15	20,132	240	127
		7/16	25,414	240	161
		7/17	12,775		
		Period Subtotal	156,374	880	400
3		7/18	24,769		
		7/19	13,778		
		7/20	19,385		
		7/21	16,766		
		7/22	16,528	415	168
		7/23	13,818		
		7/24	13,870		
		7/25	9,849	205	100
		7/26	12,458		
		7/27	12,928	180	132
		7/28	15,839		
		7/29	9,092		
		7/30	7,947		
		7/31	2,906		
		Period Subtotal	189,933	800	400
Late		>8/4	214,225		
		Period Subtotal	214,225	0	0
Total			576,552	2,080	1,200

^a Fishery descriptions and restrictions.

Appendix J2.—Sockeye salmon, 2007, Bear River Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/11	1,154		
		6/12	1,521		
		6/13	2,563		
		Period Subtotal	5,238	0	0
2		7/14	4,136		
		7/15	21,313	313	313
		7/16	15,271		
		7/17	15,237		
		7/18	13,362		
		7/19	7,333		
		Period Subtotal	76,652	313	313
3		7/20	15,503		
		7/21	9,699		
		7/22	5,648		
		7/23	17,654		
		7/24	15,601		
		7/25	11,393	390	390
		7/26	12,828		
		7/27	5,596		
		7/28	4,996		
		7/29	5,276		
		7/30	4,762		
		7/31	6,508		
		Period Subtotal	115,464	390	390
Late		>8/6	420,048		
		Period Subtotal	420,048	0	0
Total			617,402	703	703

^a Fishery descriptions and restrictions.

Appendix J3.—Sockeye salmon, 2009, Bear River Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/8	230		
		6/9	258		
		6/10	218		
		6/15	3,129		
		6/16	5,617		
		6/17	3,507	144	
		6/22	34,746	72	
		6/23	28,740	48	
		6/24	24,094	469	
		Period Subtotal	100,539	733	0
2		7/2	15,704	223	
		7/3	18,393	193	
		7/4	28,405		
		7/5	26,849		
		7/6	13,409		
		7/7	11,897		
		7/8	14,986	168	
		7/9	25,174	140	
		7/10	27,125		
		7/11	11,418		
		Period Subtotal	193,360	724	0
3		7/12	8,948		
		7/13	14,220		
		7/14	22,013		
		7/15	20,896		
		7/16	20,216	267	
		7/17	15,786		
		7/18	13,596		
		7/20	15,236		
		7/21	14,281		
		7/22	9,205	367	
		7/23	6,437		
		7/24	7,615		
		7/25	6,482		
		7/26	5,085		
		7/27	4,381		
		7/28	6,110		
		Period Subtotal	190,507	634	0
Late		>8/6	168,467		
		Period Subtotal	168,467	0	0
Total			652,873	2,091	0

^a Fishery descriptions and restrictions.

Appendix J4.—Sockeye salmon, 2006, Three Hills Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		< 7/4	0		
		Period Subtotal	0	0	0
2		7/4	4,646		
		7/6	665		
		7/7	2,592	30	30
		7/8	11,271		
		7/9	7,186		
		7/10	179		
		7/11	3,737	89	89
		7/12	4,037		
		7/13	4,880	100	100
		7/14	8,679		
		7/15	7,896		
		7/16	3,558	120	120
		7/17	5,637		
		Period Subtotal	64,963	339	339
3		7/18	9,384		
		7/19	1,783		
		7/20	4,980		
		7/21	1,833		
		7/22	3,314	260	260
		7/23	1,849		
		7/24	228		
		7/25	1,146	63	63
		7/26	2,125		
		7/27	1,004		
		7/28	2,817		
		Period Subtotal	30,463	323	323
Late		>8/5	57,917		
		Period Subtotal	57,917	0	0
Total			153,343	662	662

^a Fishery descriptions and restrictions.

Appendix J5.—Sockeye salmon, 2009, Three Hills Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		< 7/14	0		
		Period Subtotal	0	0	0
2		7/14	2,626		
		7/15	5,114		
		7/16	2,605	256	
		7/17	5,808		
		Period Subtotal	16,153	256	0
3		7/18	2,289		
		7/20	1,887		
		7/21	1,770		
		7/22	940	212	
		7/23	144		
		7/24	2,340		
		7/25	1,992		
		7/26	402		
		7/27	272		
		Period Subtotal	12,036	212	0
Late		>8/6	65,199		
		Period Subtotal	65,199	0	0
Total			93,388	468	0

^a Fishery descriptions and restrictions.

Appendix J6.—Sockeye salmon, 2006, Ilnik Section southern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/25	19,913	170	170
		6/26	18,690		
		6/27	16,144		
		6/28	25,163		
		6/29	21,046		
		6/30	45,511		
		7/1	62,084		
		7/2	53,931	240	230
		7/3	30,469		
		7/4	8,709		
		Period Subtotal	301,660	410	400
2		7/5	10,601		
		7/6	11,945		
		7/7	15,337	300	87
		7/8	32,960		
		7/9	39,877		
		7/10	26,626		
		7/11	28,092	370	159
		7/12	15,980		
		7/13	25,040		
		7/14	31,046		
		7/15	51,192		
		7/16	27,062	200	154
		7/17	12,155		
		Period Subtotal	327,913	870	400
3		7/18	4,906	200	98
		7/19	3,772	30	30
		7/20	4,874		
		7/21	2,511		
		7/22	14,808	168	168
		7/23	9,522		
		7/24	10,045		
		7/25	1,030	100	21
		7/27	803		
		7/28	1,525		
		7/29	2,825		
		7/30	4,130	448	83
		7/31	3,186		
		Period Subtotal	63,937	946	400
Late		>8/5	82,650		
		Period Subtotal	82,650	0	0
Total			776,160	2,226	1,200

^a Fishery descriptions and restrictions.

Appendix J7.—Sockeye salmon, 2007, Ilnik Section southern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/20	5,963	76	26
		6/21	27,487		
		6/22	32,115	356	139
		6/23	28,687		
		6/24	54,222	376	235
		6/25	20,137		
		6/26	18,364		
		6/27	14,979		
		Period Subtotal	201,954	808	400
2		6/28	19,052		
		6/29	47,920		
		6/30	104,655		
		7/1	81,912	550	400
		7/2	32,612		
		7/3	13,872		
		7/4	28,967		
		7/5	43,165		
		7/6	44,018		
		7/7	68,725		
		Period Subtotal	484,898	550	400
3		7/10	32,385	187	187
		7/11	22,053		
		7/12	21,313		
		7/13	21,001		
		7/14	9,729		
		7/15	31,980		
		7/16	3,979		
		7/17	2,427		
		7/18	3,117		
		7/19	6,911		
		7/20	11,175		
		7/21	13,520	200	200
		7/22	12,125		
		7/23	2,871		
		7/24	2,508		
		7/25	1,447		
		7/26	3,023		
		7/27	1,519		
		7/28	10,278		
		7/29	13,939		
		7/30	8,064		
		7/31	4,248		
		Period Subtotal	239,612	387	387
Late		>8/6	103,409		
		Period Subtotal	103,409	0	0
Total			1,029,873	1,745	1,187

^a Fishery descriptions and restrictions.

Appendix J8.—Sockeye salmon, 2008, Ilnik Section southern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/30	25,194		
		7/1	13,771		
		7/2	28,256	400	400
		7/3	32,811		
		Period Subtotal	100,032	400	400
2		7/4	28,523	200	200
		7/5	1,645		
		7/7	20,742		
		7/8	17,793	200	145
		7/9	21,931		
		7/10	29,701	55	55
		7/11	30,911		
		Period Subtotal	151,246	455	400
3		7/12-7/29	0		
		Period Subtotal	0	0	0
Late		>8/11	97,307		
		Period Subtotal	97,307	0	0
Total			348,585	855	800

^a Fishery descriptions and restrictions.

Appendix J9.—Sockeye salmon, 2009, Ilnik Section southern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/27	20,835	299	
		6/28	24,179		
		6/29	17,435		
		Period Subtotal	62,449	299	0
2		7/4	15,788	260	
		7/5	31,025		
		7/6	20,784		
		7/7	12,900		
		Period Subtotal	80,497	260	0
3		7/11	17,410	74	
		7/12	4,031		
		7/13	7,424		
		7/14	3,243		
		7/15	9,597		
		7/16	7,476		
		7/17	4,053		
		7/18	330		
		7/20	597		
		7/21	401	54 ^b	
		7/23	168		
		7/24	1,408		
		7/25	879		
		7/26	674		
		7/27	193		
		7/28	666		
		Period Subtotal	58,550	128	0
Late		>8/6	77,834		
		Period Subtotal	77,834	0	0
Total			279,330	687	0

^a Fishery descriptions and restrictions.

^b Sampling occurred the day after the harvest.

Appendix J10.—Sockeye salmon, 2006, Ilulik Section northern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/25	10,692	150	136
		6/26	13,255		
		6/27	21,136		
		6/28	17,439		
		6/29	20,701	340	264
		Period Subtotal	83,223	490	400
2		7/3	41,386		
		7/4	51,574		
		7/5	45,734	440	163
		7/6	38,831		
		7/7	31,330	200	112
		7/10	18,578		
		7/11	30,258	333	108
		7/12	12,592		
		7/13	17,846	17	17
		7/14	48,444		
		Period Subtotal	336,573	990	400
3		7/17	7,771		
		7/18	12,373	100	73
		7/19	11,258	199	66
		7/20	26,241	200	155
		7/21	16,301		
		7/24	3,576		
		7/25	6,477	250	38
		7/26	14,724		
		7/27	11,476	250	68
		7/28	5,748		
		Period Subtotal	115,945	999	400
Late		>8/6	6,000		
		Period Subtotal	6,000	0	0
Total			541,741	2,479	1,200

^a Fishery descriptions and restrictions.

Appendix J11.—Sockeye salmon, 2007, Ilulik Section northern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/20	6,990	575	117
		6/25	9,952		
		6/26	7,247	235	122
		6/27	9,576	335	161
		6/28	28,776		
		6/29	59,070		
		Period Subtotal	121,611	1,145	400
2		7/2	37,966		
		7/3	38,214	438	181
		7/4	35,965		
		7/5	40,830		
		7/6	55,330		
		7/10	35,396		
		7/11	62,503	300	219
		7/12	43,514		
		7/13	55,526		
		7/14	49,590		
		Period Subtotal	454,834	738	400
3		7/16	24,177	370	246
		7/17	12,423		
		7/18	17,305		
		7/19	28,154		
		7/20	23,945		
		7/23	11,928		
		7/24	8,704	400	154
		7/25	7,753		
		7/26	10,035		
		7/27	5,027		
		7/30	2,406		
		7/31	6,924		
		Period Subtotal	158,781	770	400
Late		>8/6	11,331		
		Period Subtotal	11,331	0	0
Total			746,557	2,653	1,200

^a Fishery descriptions and restrictions.

Appendix J12.—Sockeye salmon, 2008, Ilnik Section northern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		<7/1	0		
		Period Subtotal	0	0	0
2		7/1	50,418		
		7/2	59,598		
		7/3	51,863	239	239
		7/4	138,675	140	140
		Period Subtotal	300,554	379	379
3		7/5	14,857		
		7/7	45,648		
		7/8	26,455	200	200
		7/9	30,797	134	134
		7/10	51,442		
		7/11	30,352		
		Period Subtotal	199,551	334	334
Late		>8/11	36,944		
		Period Subtotal	36,944	0	0
Total			537,049	713	713

^a Fishery descriptions and restrictions.

Appendix J13.—Sockeye salmon, 2009, Ilnik Section northern statistical area, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/27	38,898	210	
		6/28	47,283		
		6/29	89,334		
		Period Subtotal	175,515	210	0
2		7/4	16,328	438	
		7/5	22,423		
		7/6	31,025		
		7/7	15,134		
		Period Subtotal	84,910	438	0
3		7/11	11,678	295	
		7/12	15,010		
		7/13	11,503		
		7/14	8,604		
		7/15	14,064	367	
		7/16	12,950		
		7/17	4,371		
		7/18	10,656		
		7/20	430		
		7/21	524		
		7/22	741	310	
		7/23	1,354		
		7/24	2,634		
		7/25	2,031		
		7/26	1,309		
		7/27	1,160		
		Period Subtotal	99,019	972	0
Late		>8/7	13,150		
		Period Subtotal	13,150	0	0
Total			372,594	1,620	0

^a Fishery descriptions and restrictions.

Appendix J14.—Sockeye salmon, 2007, Outer Port Heiden Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/20	10,234	500	155
		6/25-6/26	48,641	245	245
		6/27	26,701		
		Period Subtotal	85,576	745	400
2		7/2	30,715		
		7/3	55,040	438	278
		7/4	21,818		
		7/10	44,311		
		7/11	24,118	300	122
		7/12	29,217		
		Period Subtotal	205,219	738	400
3		7/16	22,441	370	290
		7/17	28,563		
		7/18	18,670		
		7/23	10,473		
		7/24	8,554	380	110
		7/25	8,039		
		7/30	251		
		Period Subtotal	96,991	750	400
Total			387,786	2,233	1,200

^a Fishery descriptions and restrictions.

Appendix J15.—Sockeye salmon, 2008, Outer Port Heiden Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/30-7/2	119,503	480	400
		7/3	11,259		
		Period Subtotal	130,762	480	400
2		7/7	39,915	434	400
		7/8	63,094		
		7/9	45,261		
		Period Subtotal	148,270	434	400
3		7/14	21,048	300	197
		7/15	21,650	367	203
		Period Subtotal	42,698	667	400
Total			321,730	1,581	1,200

^a Fishery descriptions and restrictions.

Appendix J16.—Sockeye salmon, 2009, Outer Port Heiden Section, Northern District, Alaska Peninsula Area, Westward Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/24	34,217	128	
		6/25	53,223		
		6/26	62,955		
		7/1	8,824	438	
		7/2	106,319		
		7/3	102,414		
		7/4	32,447		
		Period Subtotal	400,399	566	0
2		7/8	64,580	295	
		7/9	88,864		
		7/10	56,743		
		Period Subtotal	210,187	295	0
3		7/14	37,366		
		7/15	59,075	367	
		7/16	25,730		
		7/20	7,935		
		7/21	10,922		
		7/22	10,519	367	
		7/27	510		
		Period Subtotal	152,057	734	0
Total			762,643	1,595	0

^a Fishery descriptions and restrictions.

APPENDIX K
CHUM SALMON, BRISTOL BAY AREA, CENTRAL REGION,
COMMERCIAL HARVEST SAMPLING DETAILS

Appendix K1.—Chum salmon, 2006, Eastside districts (Ugashik, Egegik, and Naknek-Kvichak districts), Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/12-6/20	3,366		
		6/21	3,504		
		6/22	3,987		
		6/23	947		
		6/24-6/25	687		
		6/26	2,801		
		6/27	4,513		
		6/28	2,908		
		6/29	4,636		
		6/30	6,261		
		7/1	9,100		
		Period Subtotal	42,710	253	0
2		7/2	5,827		
		7/3	4,420		
		7/4	6,381		
		7/5	11,309		
		7/6	13,741		
		Period Subtotal	41,678	567	0
3		7/7	14,761		
		7/8	18,848		
		7/9	18,481		
		7/10	18,723		
		7/11	56,666		
		7/12	46,811		
		Period Subtotal	174,290	179	0
4		7/13	49,823		
		7/14	47,601		
		7/15	32,549		
		Period Subtotal	129,973	321	0
5		7/16	10,953		
		7/17	52,696		
		7/18	40,645		
		7/19	25,750		
		7/20	34,317		
		7/21	25,587		
		7/22-7/23	75,821		
		7/24-7/31	115,252		
		8/1-8/31	10,380		
		Period Subtotal	391,401	0	0
Total			780,052	1,320	0

^a Fishery descriptions and restrictions.

Appendix K2.—Chum salmon, 2007, Eastside districts (Ugashik, Egegik, and Naknek-Kvichak districts), Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/12-19	2,500		
		6/20	3,033		
		6/21	2,157	^b	
		6/22	3,538		
		6/23	2,518	200	200
		6/25	3,507		
		6/26	2,495	189	189
		Period Subtotal	19,748	389	389
2		6/27–29	21,890	400	400
		Period Subtotal	21,890	400	400
3		6/30-7/5	53,548	400 ^c	400
		Period Subtotal	53,548	400	400
4		7/6-15	297,094	599 ^d	400
		Period Subtotal	297,094	599	400
5		7/16-20	251,455	341	336
		7/21	40,488		
		7/22	29,435	200	64
		7/23	25,351		
		7/24	18,407		
		7/25	9,447		
		7/26	3,896		
		7/30	3,070		
		7/31	5,545		
		8/1–27	4,569		
		Period Subtotal	391,663	541	400
Total			783,943	2,329	1,989

^a Fishery descriptions and restrictions.

^b Excluded samples collected 6/21-29 for spanning 2 strata.

^c Excluded samples purportedly collected from 6/30 and 7/1 because they appeared to be from Nushagak District.

^d Bottles were recorded from 7/8-7/16; however they were assigned to 7/6-7/15.

Appendix K3.—Chum salmon, 2008, Eastside districts (Ugashik, Egegik, and Naknek-Kvichak districts), Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-19	2,549		
		6/20	2,554		
		6/22	4,326	478 ^b	142
		6/25	1,457	192	48
		6/26	6,397	227	210
		Period Subtotal	17,283	897	400
2		6/27	3,989	253	51
		6/28	4,631	217	59
		6/29	7,420	195	95
		6/30	6,291	222	80
		7/1	8,962	209	115
		Period Subtotal	31,293	1,096	400
3		7/2	8,545	227	29
		7/3	15,639	208	53
		7/4	8,706	217	30
		7/5	8,856	253	30
		7/6	13,590	190	46
		7/7	12,796	207	44
		7/8	12,349	214	42
		7/9	20,013	222	69
		7/10	16,579	209	57
		Period Subtotal	117,073	1,947	400
4		7/11	12,419		
		7/12	11,636		
		7/13	17,387		
		7/14	14,321	364	122
		7/15	37,681	58	58
		7/16	28,617		
		7/17	33,712	220	220
		Period Subtotal	155,773	642	400
5		7/18	34,342		
		7/19	20,620	209	209
		7/20	21,915	280	191
		7/21-8/21	67,154		
		Period Subtotal	144,031	489	400
Total			465,453	5,071	2,000

^a Fishery descriptions and restrictions.

^b Bottles recorded as 6/23-24; however they were assigned to 6/22.

Appendix K4.—Chum salmon, 2009, Eastside districts (Ugashik, Egegik, and Naknek-Kvichak districts), Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15	385		
		6/16	109		
		6/17	2,151		
		6/18	1,620		
		6/19	2,095		
		6/20	2,425		
		6/21	1,336		
		6/22-25	16,618	654	400
		Period Subtotal	26,739	654	400
2		6/26	5,858	240	111
		6/27	10,473		
		6/28	9,078		
		6/29	9,027	175	171
		6/30	6,196	276	118
		Period Subtotal	40,632	691	400
3		7/1	6,793	186	47
		7/2-3	17,384	206	120
		7/4	12,419	160	86
		7/5	11,578	235	80
		7/6	9,901	133	68
		Period Subtotal	58,075	920	401
4		7/7	13,102	283	107
		7/8	27,773	225	225
		7/9	22,707		
		7/10	35,364		
		7/11	8,301	175	68
		Period Subtotal	107,247	683	400
5		7/12	7,242	177	100
		7/13	8,504		
		7/14-15	15,343	188	188
		7/16	8,637		
		7/17	6,589	112	112
		7/18	5,685		
		7/19	4,985		
		7/20	40,802		
		7/21-8/31	108,225		
		Period Subtotal	206,012	477	400
Total			438,705	3,425	2,001

^a Fishery descriptions and restrictions.

Appendix K5.—Chum salmon, 2006, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples		
				Collected	Selected	
1		6/4-13	878	85		
		6/15	3,954			
		6/18	6,462			
		6/19-21	5			
		6/22	9,870			
		6/23	1			
		6/24	16			
		6/25	129,465			
		6/26	117,893			
		Period Subtotal	268,544			
2	A	6/27	103,932	127		
		6/28	71,653			
		6/29	64,398			
		6/30	59,340			
		7/1	42,853			43
		7/2	83,248			
		7/3	59,037			
		7/4	65,533			
		7/5	53,294			
		Period Subtotal	603,288			170
3		7/6	46,453	49		
		7/7	51,127			
		7/8	54,484			89
		7/9	34,575			
		7/10	28,607			
		7/11	28,155			5
		Period Subtotal	243,401			143
4		7/12	18,087	160		
		7/13	26,601			
		7/14	24,021			
		7/15	18,569			
		7/16	8,948			
		Period Subtotal	96,226			160
5	B	7/17	6,892	38		
		7/18	4,227			
		7/19	5,258			
		7/20	3,261			
		7/21	3,615			105
		7/22	2,889			195
		7/23	1,060			
		7/24	648			
		>7/25	861			
		Period Subtotal	28,711			338
Total			1,240,170	896	0	

^a Fishery descriptions and restrictions: A=Samples from set net catches, B=Samples from both set and drift net catches (75 and 120, reflectively).

Appendix K6.—Chum salmon, 2007, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/11-23	119		
		6/24	1,196		
		6/25	88,070	1,494	295
		6/26	103,005	800	345
		6/27	73,470		
		Period Subtotal	265,860	2,294	640
2		6/28	63,889		
		6/29	36,630		
		6/30	71,221		
		7/1	75,501	110	110
		7/2	20,306		
		7/3	53,106	131	131
		7/4	59,916		
		7/5	15,737	253	253
		7/6	39,409		
		7/7	37,120	136	136
		Period Subtotal	472,835	630	630
3		7/8	35,972		
		7/9	31,328	240	240
		7/10	28,274		
		7/11	26,132	60	60
		7/12	22,986	119	119
		Period Subtotal	144,692	419	419
4		7/13	10,951	187	187
		7/14	11,221	160	160
		7/15	10,454		
		7/16	12,085		
		7/17	6,504	106	106
		Period Subtotal	51,215	453	453
5		7/18	6,428		
		7/19	4,663	343	343
		7/20	4,226		
		7/21	897		
		7/22	429		
		7/23	343		
		7/24	230	200 ^b	200
		7/27-8/12	1,464		
		Period Subtotal	18,680	543	543
Total			953,282	4,339	2,685

^a Fishery descriptions and restrictions.

^b Bottle recorded from 7/25 and assigned to harvest from 7/24.

Appendix K7.—Chum salmon, 2008, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-25	51		
		6/26	31,327		
		6/27	38,850		
		6/28	37,022		
		6/29	34,296	647	640
		Period Subtotal	141,546	647	640
2		6/30	29,014		
		7/1	36,458		
		7/2	36,707		
		7/3	22,022	383	328
		7/4	12,509		
		7/5	20,913	375	312
		Period Subtotal	157,623	758	640
3		7/6	20,001	228	130
		7/7	18,630		
		7/8	18,898	244	123
		7/9	48,004	200	200
		7/10	17,435	684	113
		7/11	11,453	564	74
		Period Subtotal	134,421	1,920	640
4		7/12	17,658		
		7/13	8,914	444	440
		7/14	7,913	200	200
		7/15	10,554		
		Period Subtotal	45,039	644	640
5		7/16	5,032	360	360
		7/17	2,606		
		7/18	1,739		
		7/19	2,148		
		7/20	965	170	170
		7/21-8/15	1,211		
		Period Subtotal	13,701	530	530
Total			492,330	4,499	3,090

^a Fishery descriptions and restrictions.

Appendix K8.—Chum salmon, 2009, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/7-6/22	1,842		
		6/23	38,999		
		6/24	48,823	501	440
		6/25	53,885		
		6/26	45,578	200	200
		6/27	22,450		
		Period Subtotal	211,577	701	640
2		6/28	80,881		
		6/29	53,653		
		6/30	35,816		
		7/1	40,702	500	400
		7/2	41,426	240	240
		Period Subtotal	252,478	740	640
3		7/3	52,799	400	400
		7/4	16,227	636	240
		Period Subtotal	69,026	1,036	640
4		7/5	29,199	240	240
		7/6	33,020	169	169
		7/7	23,014		
		7/8	18,861		
		7/9	21,581	300	231
		Period Subtotal	125,675	709	640
5		7/10	11,538	526	366
		7/11	8,274	74	74
		7/12	12,517		
		7/13	14,478	200	200
		7/14	7,969		
		7/15	8,328		
		7/16	8,523		
		7/17	8,670		
		7/18	3,259		
		7/19	1,219		
		7/20	928		
		7/21-8/18	624		
		Period Subtotal	86,327	800	640
Total			745,083	3,986	3,200

^a Fishery descriptions and restrictions.

Appendix K9.—Chum salmon, 2006, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/19	908		
		6/20	2,057		
		6/21	2,050		
		6/22	786		
		6/26	8,000		
		6/27	11,232		
		6/28	3,240	200	
		Period Subtotal	28,273	200	0
2		6/30	6,809		
		7/1	6,734		
		7/3	11,898		
		7/4	14,337		
		7/5	11,024		
		7/6	7,815	200	
		Period Subtotal	58,617	200	0
3		7/7	4,936		
		7/8	3,738		
		7/10	7,305		
		7/11	12,410		
		7/12	11,773		
		Period Subtotal	40,162	0	0
4		7/13	10,822		
		7/14	5,296		
		7/15	5,205		
		7/16	2,132		
		7/17	4,981		
		7/18	9,889		
		Period Subtotal	38,325	0	0
5		7/19	13,757		
		7/20	11,087		
		7/21	5,394		
		7/22	4,042		
		7/23	1,151		
		7/24	4,298		
		>7/25	18,258		
		Period Subtotal	57,987	0	0
Total			223,364	400	0

^a Fishery descriptions and restrictions.

Appendix K10.–Chum salmon, 2007, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/18-22	536		
		6/25	1,826		
		6/26	4,086	580 ^b	400
		6/27	3,355		
		6/28	711		
		Period Subtotal	10,514	580	400
2		7/2	8,615		
		7/3	15,361		
		7/4	10,991		
		7/5	8,827		
		7/6	7,647		
		7/7	3,780		
		7/9	11,089	846	400
		Period Subtotal	66,310	846	400
3		7/10	6,874	323 ^b	134
		7/13	13,590	399 ^c	266
		7/14	9,521		
		7/15	6,488		
		Period Subtotal	36,473	722	400
4		7/16	8,862		
		7/17	8,613		
		7/18	5,781		
		7/19	6,270	400	249
		7/20	3,800	200	151
		Period Subtotal	33,326	600	400
5		7/21	109		
		7/23	6,793		
		7/24	10,971	1,170	308
		7/25	10,808		
		7/26	6,102		
		7/27	3,275	364	92
		7/28	2,129		
		7/29	457		
		7/30	3,784		
		7/31	3,877		
		8/1	1,284		
		8/2	2,381		
		8/3	2,590		
		8/4	1,303		
		Period Subtotal	55,863	1,534	400
Total			202,486	4,282	2,000

^a Fishery descriptions and restrictions.

^b Bottles were assigned to the next harvest date (6/26 & 7/10).

^c Bottles recorded as 7/12; however no harvest occurred on 7/12, therefore, samples were assigned to 7/13.

Appendix K11.–Chum salmon, 2008, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/18-20	620		
		6/23	1,673		
		6/24	956		
		6/25	368		
		6/26	2,125	435	400
		6/27	325		
		Period Subtotal	6,067	435	400
2		6/30	11,845		
		7/1	12,663		
		7/2	4,437		
		7/3	7,536		
		7/4	10,616	592	400
		Period Subtotal	47,097	592	400
3		7/5	6,769	400	171
		7/7	13,275		
		7/8	16,595	229	229
		7/9	11,140		
		7/10	10,501		
		7/11	15,355		
		Period Subtotal	73,635	629	400
4		7/12	6,453		
		7/13	2,477		
		7/14	21,530		
		7/15	18,965	474	400
		7/16	7,723		
		Period Subtotal	57,148	474	400
5		7/17-22	31,332	1,083	400
		7/23	9,211		
		7/24	11,036		
		7/25	15,826		
		7/26	11,446		
		7/27	2,168		
		7/28	5,429		
		7/29	4,646		
		7/30	3,439		
		7/31	1,908		
		8/1	1,497		
		8/2	1,283		
		8/3	477		
		8/4	1,382		
		8/5	826		
		8/6	50		
		Period Subtotal	118,020	1,083	400
Total			301,967	3,213	2,000

^a Fishery descriptions and restrictions.

Appendix K12.–Chum salmon, 2009, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Date and grouped by temporal stratum.				Genetics Samples	
Temporal Stratum	DESC ^a	Date(s)	Harvest	Collected	Selected
		6/22-23	446	108 ^b	53
		6/24	808	176	97
		6/25	304		
		6/29	2,588		
		6/30	4,438	250	250
		Period Subtotal	8,584	534	400
2		7/1	3,965	250	200
		7/2	6,113	200	200
		Period Subtotal	10,078	450	400
3		7/3	2,436		
		7/4	459	250	250
		7/5	239		
		7/6	4,391		
		7/7	9,494		
		Period Subtotal	17,019	250	250
4		7/8	5,829		
		7/9	6,330		
		7/10	7,892	160	160
		7/11	4,643	346	240
		Period Subtotal	24,694	506	400
5		7/13	8,579		
		7/14	10,607		
		7/15	8,546	411	400
		7/16	8,968		
		7/17	3,125		
		7/20	3,628		
		7/21	1,189		
		7/22	7,607		
		7/23	6,484		
		7/24	6,212		
		7/25	4,087		
		7/26	352		
		7/27	1,382		
		7/28	2,783		
		7/29	345		
		7/30	1,003		
		7/31	2,205		
		8/1-27	3,894		
		Period Subtotal	80,996	411	400
Total		141,371	2,151	1,850	

^a Fishery descriptions and restrictions.

^b Bottles recorded as 6/20; however, no harvest occurred on 6/20, therefore samples were assigned to 6/22.

APPENDIX L
SOCKEYE SALMON, BRISTOL BAY AREA, CENTRAL
REGION, COMMERCIAL HARVEST SAMPLING DETAILS

Appendix L1.—Sockeye salmon, 2006, Ugashik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/12-19	3,124		
		6/20	7,556	55	55
		6/21	6,964		
		6/22	13,299	160	105
		6/30	11,729		
		7/1	63,167	240	240
		7/2	70,555		
		Period Subtotal	176,394	455	400
2		7/4	31,150	239	45
		7/5	127,719	202	183
		7/6	103,427		
		7/7	120,500	240	173
		Period Subtotal	382,796	681	401
3		7/8	165,929	240	236
		7/9	149,761		
		7/10	82,152		
		7/11	115,007	240	164
		Period Subtotal	512,849	480	400
4		7/12	106,433		
		7/13	221,234	200	200
		7/14	120,209		
		7/15	89,135	240	200
		7/16	136		
		Period Subtotal	537,147	440	400
5		7/17	65,969		
		7/18	91,487	240	139
		7/19	112,214	240	171
		7/20	148,095		
		7/21	59,176	120	90
		7/22-31	304,048		
		8/1-31	39,422		
		Period Subtotal	820,411	600	400
Total			2,429,597	2,656	2,001

^a Fishery descriptions and restrictions.

Appendix L2.—Sockeye salmon, 2007, Ugashik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/12-17	649		
		6/18	2,418		
		6/19	4,526	120	114
		6/20	7,968		
		6/21	3,239		
		6/22	6,543	225	225
		6/24	20,991	61	61
		6/25	9,094		
		Period Subtotal	55,428	406	400
2		6/29	123,890	80	80
		6/30	17,907		
		7/1	146,834	303	303
		Period Subtotal	288,631	383	383
3		7/2	3,227		
		7/3	195,937	240	71
		7/4	386,497	121	121
		7/5	312		
		7/6	240,511	219	88
		7/7	448,280	120	120
		Period Subtotal	1,274,764	700	400
4		7/8	409,617	120	120
		7/9	175,209		
		7/10	325,163	120	120
		7/11	252,120	199	160
		Period Subtotal	1,162,109	439	400
5		7/12	364,921	479	131
		7/13	128,459		
		7/14	259,258	50	50
		7/15	406,077		
		7/16	476,106	177	171
		7/17	135,388	80	49
		7/18-24	444,796		
		7/25-31	26,391		
		8/1-17	4,287		
		Period Subtotal	2,245,683	786	401
Total			5,026,615	2,714	1,984

^a Fishery descriptions and restrictions.

Appendix L3.—Sockeye salmon, 2008, Ugashik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/16	1,002		
		6/17	3,579	169	10
		6/18	3,408		
		6/19	4,362		
		6/20	1,180		
		6/23	25,720	288	70
		6/26	50,501	288	137
		6/28	3,388		
		6/29	67,282	275	183
		Period Subtotal	160,422	1,020	400
2		7/2	162,871	288	288
		7/3	201,679		
		Period Subtotal	364,550	288	288
3		7/4	155,945	140	70
		7/5	154,103	144	69
		7/6	191,196	144	86
		7/7	219,987		
		7/8	214,920	288	96
		7/9	175,060	144	79
		7/10	154,338		
		Period Subtotal	1,265,549	860	400
4		7/11	130,201	251	251
		7/12	94,186		
		7/13	52,756	144	144
		Period Subtotal	277,143	395	395
5		7/14	43,107	144	144
		7/15	5,698		
		7/16	57,542	144	144
		7/17	50,100		
		7/18	33,268	144	112
		7/19	26,464		
		7/20	25,170		
		7/21-31	24,996		
		8/1-31	13		
		Period Subtotal	266,358	432	400
Total			2,334,022	2,995	1,883

^a Fishery descriptions and restrictions.

Appendix L4.–Sockeye salmon, 2009, Ugashik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-18	29,299		
		6/19	5,549	130	
		6/22	62,242	144	
		6/23-26	2,790		
		6/27	73,397	384	
		6/28	33,062	240	
		6/29	62,789	230	
		6/30	69,245		
		7/1	38,996		
		7/2	87,304	437	
		Period Subtotal	464,673	1,565	0
2		7/3	122,239	238	
		7/4	192,559	144	
		7/5	172,513	144	
		7/6	202,106	144	
		Period Subtotal	689,417	670	0
3		7/7	202,750	144	
		7/8	210,602	144	
		7/9	244,913	138	
		Period Subtotal	658,265	426	0
4		7/10	151,332	141	
		7/11	108,890		
		7/12	95,871	143	
		Period Subtotal	356,093	284	0
5		7/13	78,711	134	
		7/14	82,249	94	
		7/15	96,494		
		7/16	60,565	128	
		7/17	21,134	142	
		7/18	12,635		
		7/19	12,447		
		7/20	1,407		
		7/21-31	18,489		
		8/1-10	2,684		
		Period Subtotal	386,815	498	0
Total			2,555,263	3,443	0

^a Fishery descriptions and restrictions.

Appendix L5.—Sockeye salmon, 2006, Egegik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/12-20	3,396		
	A	6/21	23,718	94 ^b	10
	A	6/22	1,936		
	A	6/23	12,995		
	A	6/26	219,995	440	90
	A	6/27	130,893	440	53
	A	6/28	111,291	240	45
	A	6/29	268,754	225 ^b	110
	A	6/30	227,093	360 ^b	93
	A	7/1	419,130		
Period Subtotal			1,419,201	1,799	401
2	A	7/2	55,493		
	A	7/3	220,656	480 ^c	62
	A	7/4	299,926		
	A	7/5	676,362	240 ^b	190
	A	7/6	528,931	240	148
Period Subtotal			1,781,368	960	400
3	A	7/7	266,811		
	A	7/8	424,620	200	200
	A	7/9	490,557		
		7/10	403,019		
		7/11	302,583		
		7/12	258,670	234	200
Period Subtotal			2,146,260	434	400
4		7/13	280,069		
		7/14	385,515	180	180
		7/15	377,452	300	220
Period Subtotal			1,043,036	480	400
5		7/16	154,671	240	187
		7/17	153,416	240	186
		7/18	170,460		
		7/19	180,593		
		7/20	132,412		
		7/21	22,220	240	27
		7/24-31	196,074		
		8/1-31	8,522		
Period Subtotal			1,018,368	720	400
Total			7,408,233	4,393	2,001

^a Fishery descriptions and restrictions: A=Egegik River SHA.

^b Bottles recorded the day after the harvest.

^c This samples includes a total of 240 individuals from 7/3 and 240 form 7/4.

Appendix L6.—Sockeye salmon, 2007, Egegik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/12-19	30,869		
		6/20	45,279	226	226
		6/21	30,027		
		6/22	70,467		
		6/23	45,858	100	100
		6/25	55,943		
		6/26	41,955		
		6/27	155,549		
		Period Subtotal	475,947	326	326
2	A	6/28	80,359		
	A	6/29	53,588		
	A	6/30	59,997		
	A	7/1	314,703		
	A	7/2	215,854		
	A	7/3	513,200	480	400
		Period Subtotal	1,237,701	480	400
3	A	7/4	398,590		
	A	7/5	522,716	241	241
	A	7/6	434,043		
	A	7/7	314,433	239	159
	A	7/8	445,539		
		Period Subtotal	2,115,321	480	400
4		7/9	469,107		
		7/10	402,560	240	109
		7/11-12	796,565	210	210
		7/13	167,949	120	46
		7/14	129,287	239	35
		Period Subtotal	1,965,468	809	400
5		7/15	126,187		
		7/16	165,595	120	120
		7/17	146,757	120	120
		7/18	62,996	119	119
		7/19	45,812		
		7/20	42,438		
		7/21-31	101,949		
		8/1-31	9,737		
		Period Subtotal	701,471	359	359
Total			6,495,908	2,454	1,885

^a Fishery descriptions and restrictions: A) Egegik River SHA.

Appendix L7.—Sockeye salmon, 2008, Egegik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-19	41,110		
		6/20	75,440	250	93
		6/22	102,275	144	127
		6/23	111		
		6/24	139		
		6/25	145,528	258	180
		6/26	235,930		
		Period Subtotal	600,533	652	400
2		6/27	336,585		
		6/28	358,170	265	256
		6/29	397,840	144	144
		Period Subtotal	1,092,595	409	400
3		6/30	476,773		
		7/1	403,485	288	80
		7/2	645,684	144	127
		7/3	675,660		
		7/4	477,748	144	94
		7/5	499,597	130	99
		Period Subtotal	3,178,947	706	400
4		7/6	504,691	143	143
		7/7	356,038		
		7/8	373,063	288	257
		Period Subtotal	1,233,792	431	400
5		7/9	281,250	138	138
		7/10	263,770	144	136
		7/11	113,798		
		7/12	63,649		
		7/13	163,163		
		7/14	121,035	144	62
		7/15	69,191	125	36
		7/16	79,153		
		7/17	48,554		
		7/18	37,912	144	20
		7/19	24,039		
		7/20	16,496	144	9
		7/21-31	16,008		
		Period Subtotal	1,298,018	839	400
Total			7,403,885	3,037	2,000

^a Fishery descriptions and restrictions.

Appendix L8.—Sockeye salmon, 2009, Egegik District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-17	92,865		
		6/18	92,491	226	
		6/19	137,715		
		6/20	244,859	115	
		6/21	224,464		
		6/22	294,523	230	
		6/23	409,415		
		6/24	490,530	222	
		Period Subtotal	1,986,862	793	0
2		6/25	417,288	143	
		6/26	591,551	102	
		6/27	781,658	144	
		6/28	955,902	144	
		6/29	614,162	144	
		Period Subtotal	3,360,561	677	0
3		6/30	610,909		
		7/1	535,105	288	
		7/2	592,294		
		7/3	540,065	288	
		7/4	588,671		
		7/5	561,718	144	
		Period Subtotal	3,428,762	720	0
4		7/6	375,142	144	
		7/7	453,541	134	
		7/8	262,441		
		Period Subtotal	1,091,124	278	0
5		7/9	406,293	110	
		7/10	270,280	143	
		Period Subtotal	676,573	253	0
6		7/11	195,817	134	
		7/12	146,470	144	
		7/13	110,107		
		7/14	98,696	144	
		7/15	76,449	144	
		7/16	105,536	144	
		7/17	48,213	113	
		7/18	46,310		
		7/19	24,475		
		7/20	23,840		
		7/21-31	100,480		
		8/1-18	7,187		
		Period Subtotal	983,580	823	0
Total			11,527,462	3,544	0

^a Fishery descriptions and restrictions.

Appendix L9.–Sockeye salmon, 2006, Naknek-Kvichak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/19-24	3,107	215 ^b	
	B	6/25	70,684	461	17
	B	6/27	45,201	240	11
	B	6/28	86,808	188	21
	B	6/29	108,389		
	B	6/30	199,286	80	49
	B	7/1	117,125	240	29
	B	7/2	108,503		
	B	7/3	127,853	240	31
	B	7/4	301,101	240	75
	B	7/5	165,736		
	B	7/6	197,715		
	B	7/7	229,299	200	56
	B	7/8	303,005	240	75
	B	7/9	145,286	240	36
		Period Subtotal	2,209,098	2,584	400
2	D	7/10	235,526	240	240
		Period Subtotal	235,526	240	240
3	A,B	7/11	592,863	231 ^c	117
	A	7/12	684,347	240	135
	A	7/13	758,524	229	149
		Period Subtotal	2,035,734	700	400
4	A	7/14	565,776	240	179
	A	7/15	269,411	120	85
	A	7/16	49,871	439 ^c	16
	A	7/17	450,620	120	120
		Period Subtotal	1,335,678	919	400
5	A	7/18	191,032	200	200
	A	7/19	85,477	240	116
	A	7/20	143,558		
	A	7/21	125,884		
	A	7/22	218,229		
	A	7/23	130,123	84	84
	A	7/24-31	188,052		
	A	8/1-25	7,576		
		Period Subtotal	1,089,931	524	400
6	C	7/7-12	45,975	164	
		Period Subtotal	45,975	164	0
7	E	7/10-8/4	198,598	200	
		Period Subtotal	198,598	200	0
Total			7,150,540	5,331	1,840

^a Fishery descriptions and restrictions: A=Naknek-Kvichak District, B=Naknek River SHA, C=Alagnak River SHA, D=Naknek-Kvichak District set gillnet only, E=Kvichak Section set gillnet only.

^b Samples were unable to use for analysis due to misplacement.

^c Corrected from number reported in Dann et al. (2009).

Appendix L10.–Sockeye salmon, 2007, Naknek-Kvichak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/12-20	30,652		
	A	6/21	30,523	240	240
	A	6/22	26,459		
	B	6/25	81,107	60	60
	B	6/26	57,183		
	B	6/27	125,585		
		Period Subtotal	351,509	300	300
2	C	6/28	203,261		
	C	6/29	236,014		
	C	6/30	247,406		
	C	7/1	140,382	120	80
	C,D	7/2	351,480	480	200
	C,D	7/3	661,344		
	C,D	7/4	519,108	120	120
	C,D	7/5	596,808		
	C,D	7/6	299,621		
	C,D	7/7	300,075		
	C,D	7/8	366,916		
		Period Subtotal	3,922,415	720	400
3		7/9	448,372	100	98
		7/10	557,912	320	122
		7/11	815,873	389	180
		7/12	606,137		
		Period Subtotal	2,428,294	809	400
4		7/13	650,013	240	196
		7/14	322,979	360	97
		7/15	405,097		
		7/16	353,914	120	107
		Period Subtotal	1,732,003	720	400
5		7/17	139,073	145	145
		7/18	107,619		
		7/19	112,787	120	120
		7/20	74,257		
		7/21	52,630		
		7/22	33,509		
		7/23-31	65,677		
		8/1-21	2,738		
		Period Subtotal	588,290	265	265
Total			9,022,511	2,814	1,765

^a Fishery descriptions and restrictions: A=Naknek /Kvichak District set gillnet only, B=Naknek Section only, C=Naknek River SHA, D=Alagnak River SHA..

Appendix L11.—Sockeye salmon, 2008, Naknek-Kvichak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/16-23	11,967		
	A	6/24	1,791	96	1
	A	6/26	152,479	288	63
	A	6/27	77,320		
	A	6/28	182,825	144	76
	A	6/29	280,163	252	116
	A	6/30	329,060		
	A	7/1	540,584	144	144
		Period Subtotal	1,576,189	924	400
2	A	7/2	997,932	144	144
	A	7/3	585,263		
	A	7/4	599,559	240	144
	A	7/5	467,147	144	112
		Period Subtotal	2,649,901	528	400
3	A	7/6	736,617	144	116
	A	7/7	580,851	96	91
	A	7/8	556,958	144	88
	A	7/9	671,562	124	106
		Period Subtotal	2,545,988	508	401
4	A	7/10	614,585	131	131
	A	7/11	285,942	288	96
	A	7/12	406,329		
	A	7/13	488,349	144 ^b	144
	A	7/14	86,186	288	29
		Period Subtotal	1,881,391	851	400
5	B	7/15	393,887	144	144
	B	7/16	200,647	144	97
	B	7/17	141,478	105	68
	B	7/18	117,213	253	56
	B	7/19	45,720	67	22
	B	7/20	38,259		
	B	7/21	27,131	96	13
	B	7/22	18,706		
	B	7/23-31	24,897		
	B	8/18-31	1,671		
		Period Subtotal	1,009,609	809	400
6	C	6/19-7/29	718,766	644	400
		Period Subtotal	718,766	644	400
Total			10,381,844	4,264	2,401

^a Fishery descriptions and restrictions: A=Naknek-Kvichak District set gillnet only, B=Naknek-Kvichak District open continuous, C=Kvichak Section set gillnet only.

^b Number corrected from Dann et al. (2009).

Appendix L12.—Sockeye salmon, 2009, Naknek-Kvichak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15-18	9,437		
		6/19	2,943	118	
		6/20-22	114,414		
		6/23	74,427	192	
		6/24	143,702	190	
		6/25	174,747	111	
		6/26	217,726	144	
		6/27	288,802		
		6/28	260,360	288	
		6/29	568,355		
		Period Subtotal	1,854,913	1,043	0
2		6/30	285,749	288	
		7/1	324,692		
		7/2	382,857	144	
		7/3	482,331	117	
		Period Subtotal	1,475,629	549	0
3		7/4	667,819		
		7/5	497,467	288	
		7/6	440,009	111	
		Period Subtotal	1,605,295	399	0
4		7/7	485,628	143	
		7/8	678,628	240	
		Period Subtotal	1,164,256	383	0
5		7/9	395,447	287	
		Period Subtotal	395,447	287	0
6		7/10	335,302	144	
		7/11	191,840	144	
		7/12	156,610	142	
		7/13	127,697	137	
		7/14	88,332		
		7/15	61,840	262	
		7/16	69,119		
		7/17	58,675	142	
		7/18	23,723	96	
		7/19	12,683		
		7/20	54,943		
		7/21-31	90,563		
		8/1-31	86		
		Period Subtotal	1,271,413	1,067	0
7	A	6/22-7/29	747,991	239	
		Period Subtotal	747,991	239	0
Total			8,514,944	3,967	0

^a Fishery descriptions and restrictions: A=Kvichak Section set gillnet only.

Appendix L13.—Sockeye salmon, 2006, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/11-24	26,841		
		6/25	383,684	220	103
		6/26	487,947	235 ^b	131
		6/27	564,982		
		6/28	617,147	241 ^b	166
		6/29	497,370		
		Period Subtotal	2,577,971	696	400
2		6/30	529,979		
		7/1	402,104	346 ^b	81
		7/2	766,275	89 ^b	89
		7/3	549,072	110 ^b	110
		7/4	727,434	40 ^b	40
		7/5	660,908	80 ^b	80
		Period Subtotal	3,635,772	665	400
3		7/6	584,757		
		7/7	708,245	240 ^b	191
		7/8	623,337		
		7/9	387,620	240 ^b	105
		7/10	385,457	240 ^b	104
		Period Subtotal	2,689,416	720	400
4		7/11	309,434		
		7/12	194,433	240 ^b	160
		7/13	343,848		
		7/14	299,034	240 ^b	240
		7/15	175,921		
		Period Subtotal	1,322,670	480	400
5		7/16	121,012	120	120
		7/17	107,918	120	120
		7/18	54,931	240 ^b	100
		7/19	48,497		
		7/20	32,691	120 ^b	60
		7/21-31	106,575		
		8/1-20	642		
		Period Subtotal	472,266	600	400
6	A	6/22-7/25	178,262	200 ^c	0
		Period Subtotal	178,262	200	0
Total			10,876,357	3,361	2,000

^a Fishery descriptions and restrictions: A= Igushik Section.

^b Bottles recorded the day after the harvest day.

^c Collected from harvest 7/9 only.

Appendix L14.—Sockeye salmon, 2007, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-23	5,862		
		6/24	47,140	234	22
		6/25	221,866		
		6/26	312,431	140	140
		6/27	502,966	260	238
		6/28	407,900		
		Period Subtotal	1,498,165	634	400
2		6/29	341,336	267	132
		6/30	589,225		
		7/1	691,870	274	268
		7/2	252,785		
		Period Subtotal	1,875,216	541	400
3		7/3	689,061	239	196
		7/4	703,939		
		7/5	279,253	257	79
		7/6	456,948		
		7/7	441,550	258	125
		Period Subtotal	2,570,751	754	400
4		7/8	450,911	300	196
		7/9	391,190		
		7/10	402,080		
		7/11	331,279	260	144
		7/12	254,806	60	60
		Period Subtotal	1,830,266	620	400
5		7/13	125,421	280	153
		7/14	115,588		
		7/15	108,841	240	132
		7/16	112,534		
		7/17	55,574	230	67
		7/18	38,829		
		7/19	20,683	238	25
		7/20	19,302	100	23
		7/21	12,175		
		7/22	6,653		
		7/23	6,281		
		7/24	2,773		
		7/25-31	3,555		
		8/1-31	1,504		
		Period Subtotal	629,713	1,088	400
Total			8,404,111	3,637	2,000

^a Fishery descriptions and restrictions.

Appendix L15.—Sockeye salmon, 2008, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-25	25,480		
		6/26	172,712	192	67
		6/27	224,976	96	87
		6/28	269,840	288	104
		6/29	332,378		
		6/30	365,755	192 ^b	142
		7/1	517,027		
		Period Subtotal	1,908,168	768	400
2		7/2	742,678		
		7/3	509,688	288	288
		Period Subtotal	1,252,366	288	288
3		7/4	304,050	288	288
		7/5	443,028		
		7/6	350,628		
		Period Subtotal	1,097,706	288	288
4		7/7	346,831		
		7/8	425,533	412	256
		7/9	594,294	144	144
		Period Subtotal	1,366,658	556	400
5		7/10	288,691		
		7/11	196,190	288	179
		7/12	297,330		
		7/13	147,852		
		7/14	83,859	288	76
		7/15	107,847	144	98
		7/16	50,823		
		7/17	26,133	144	24
		7/18	24,984	144	23
		7/19	23,086		
		7/20	12,866		
		7/21	5,157		
		7/22	6,580		
		7/23	2,848		
		7/24	1,477		
		7/25	714		
		8/1-31	1,821		
		Period Subtotal	1,278,258	1,008	400
Total			6,903,156	2,908	1,776

Note: Samples were taken from either set or drift gillnet catches when both fisheries were open.

^a Fishery descriptions and restrictions.

^b A total of 192 fish was collected; however they were not preserved properly, therefore they were excluded from analysis.

Appendix L16.—Sockeye salmon, 2009, Nushagak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/9-21	24,373		
		6/22	14,737	95	
		6/23	208,650		
		6/24	280,906		
		6/25	365,422	144	
		Period Subtotal	894,088	239	0
2		6/26	263,339	144	
		6/27	197,711		
		6/28	786,170		
		6/29	636,114	142	
		Period Subtotal	1,883,334	286	0
3		6/30	389,678	133	
		7/1	326,849	142	
		Period Subtotal	716,527	275	0
4		7/2	505,891	287	
		7/3	842,556		
		Period Subtotal	1,348,447	287	0
5		7/4	234,914	144	
		7/5	356,613		
		7/6	486,978	134	
		7/7	348,733	239	
		7/8	335,361	240	
		Period Subtotal	1,762,599	757	0
6		7/9	299,774	239	
		7/10	178,050	143	
		7/11	115,672	144	
		Period Subtotal	593,496	526	0
7		7/12	152,436	160	
		7/13	122,463	144	
		7/14	61,336	144	
		7/15	49,262	138	
		7/16	47,499	144	
		7/17	54,175		
		7/18	21,403		
		7/19-30	23,008		
		8/1-13	95		
		Period Subtotal	531,677	730	0
Total			7,730,168	3,100	0

^a Fishery descriptions and restrictions.

Appendix L17.–Sockeye salmon, 2006, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/19-26	9,949		
		6/27	11,103	164	164
		6/28	3,958		
		6/29-7/2	21,640		
		Period Subtotal	46,650	164	164
2		7/3	15,848		
		7/4	25,842	125 ^b	125
		7/5	19,954	125 ^b	125
		7/6	16,865		
		7/7	13,452		
		7/8	15,899		
		7/10	19,585		
		Period Subtotal	127,445	250	250
3		7/11	26,413		
		7/12	21,406		
		7/13	17,937		
		7/14	15,076		
		7/15	21,300		
		7/16	14,728		
		Period Subtotal	116,860	0	0
4		7/17	27,514		
		7/18	33,417		
		7/19	32,531		
		7/20	31,770		
		7/21	26,018		
		Period Subtotal	151,250	0	0
5		7/22	22,584		
		7/23	7,775		
		7/24	15,498		
		7/25	28,819		
		7/26	18,727	266 ^b	266
		7/27-31	54,496		
		8/1-9	36,338		
		Period Subtotal	184,237	266	266
Total			626,442	680	680

^a Fishery descriptions and restrictions.

^b Samples collected the day after the harvest.

Appendix L18.—Sockeye salmon, 2007, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/18-30	19,252		
		7/2	17,159	139	139
		7/3	23,158	32	32
		7/4	17,976		
		7/5	23,577	455	229
		7/6	25,004		
		Period Subtotal	126,126	626	400
2		7/7	16,543		
		7/9	27,295	945	400
		7/10	29,859		
		Period Subtotal	73,697	945	400
3		7/13	51,700		
		7/14	43,860		
		7/15	26,713	300	300
		7/16	39,802		
		Period Subtotal	162,075	300	300
4		7/17	34,978	440	320
		7/18	36,805	80	80
		7/19	41,939		
		7/20	28,895		
		7/21	1,413		
		Period Subtotal	144,030	520	400
5		7/23	29,706	120	120
		7/24	48,534	279	279
		7/25	49,312		
		7/26	30,707		
		7/27	31,460		
		7/28	27,932		
		7/29	14,433		
		7/30	23,891		
		7/31	22,015		
		8/1-6	32,663		
		Period Subtotal	310,653	399	399
Total			816,581	2,790	1,899

^a Fishery descriptions and restrictions.

Appendix L19.–Sockeye salmon, 2008, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/18-24	3,431		
		6/25	899	192	160
		6/26-27	2,753		
		6/30	4,971	144	144
		7/1	10,376	96	96
		7/2	5,232		
		7/3	10,225		
		7/4	14,438		
		7/5	12,006		
		Period Subtotal	64,331	432	400
2		7/7	15,928	748	208
		7/8	19,812	192	192
		7/9	21,480		
		7/10	27,584		
		7/11	31,753		
		7/12	16,849		
		Period Subtotal	133,406	940	400
3		7/13	8,949	328	39
		7/14	46,325	48	48
		7/15	37,964	132	132
		7/16	25,874	192	112
		7/17	16,133	432	70
		7/18	28,720		
		7/19	30,197		
		Period Subtotal	194,162	1,132	401
4		7/20	13,898		
		7/21	41,177	138	138
		7/22	36,190		
		7/23	29,431	330	262
		7/24	29,376		
		Period Subtotal	150,072	468	400
5		7/25	17,251		
		7/26	14,093		
		7/27	5,509		
		7/28	19,394	472	400
		7/29	13,815		
		7/30	9,346		
		7/31	5,843		
		8/1-6	24,093		
		Period Subtotal	109,344	472	400
Total			651,315	3,444	2,001

^a Fishery descriptions and restrictions.

Appendix L20.—Sockeye salmon, 2009, Togiak District, Bristol Bay Area, Central Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/18-28	3,989		
		6/29	6,675	431	
		6/30	10,846	48	
		7/1	12,065	335	
		7/2	14,433		
		7/3	8,932		
		7/4	4,813		
		7/5	1,440		
		Period Subtotal	63,193	814	0
2		7/6	17,204		
		7/7	22,558		
		7/8	20,115		
		7/9	15,057		
		7/10	30,590		
		7/11	31,023	204	
		7/13	22,052	384	
		7/14	24,243	272	
		7/15	29,777		
		Period Subtotal	212,619	860	0
3		7/16	14,158	240	
		7/17	7,231		
		7/20	27,300		
		7/21	16,637		
		7/22	33,220	476	
		7/23	33,483	237	
		7/24	28,681		
		7/25	24,886		
		7/26	2,880		
		7/27	14,965	479	
		7/28	16,112		
		7/29	4,623		
		7/30	10,267		
		7/31	16,919		
		8/1-9/10	32,268		
		Period Subtotal	283,630	1,432	0
Total			559,442	3,106	0

^a Fishery descriptions and restrictions.

APPENDIX M
CHUM SALMON, KUSKOKWIM AREA, ARCTIC-YUKON-
KUSKOKWIM REGION, COMMERCIAL HARVEST
SAMPLING DETAILS

Appendix M1.–Chum salmon, 2006, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/22	2,169		
		6/27	2,282	210 ^b	
		6/30	2,401		
		7/3	244		
		Period Subtotal	7,096	210	0
2		7/5	389		
		7/7	487		
		7/10	403		
		7/17	266		
		Period Subtotal	1,545	0	0
3		7/19	828		
		7/21	894		
		7/24	457		
		7/26	253	251	
		7/31	81		
		8/2	53		
		8/4	95		
		8/7	60		
		8/9	51		
		8/11	40		
		8/14	28		
		8/16	28		
		8/18	13		
		8/21	5		
		8/23	10		
		8/25	6		
		8/28	11		
		8/30	7		
		9/1	7		
		Period Subtotal	2,927	251	0
Total			11,568	461	0

^a Fishery descriptions and restrictions.

^b Bottle was collected 6/28.

Appendix M2.–Chum salmon, 2007, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/19	322		
		6/21	480		
		6/25	674		
		6/27	944		
		6/29	201		
		7/2	116	51	51
		7/4	355	210	210
		Period Subtotal	3,092	261	261
2		7/6	382		
		7/8	387		
		7/10	385		
		7/12	327	194	194
		7/14	262		
		7/16	470		
		Period Subtotal	2,213	194	194
3		7/18	381	120	120
		7/20	599		
		7/24	443		
		7/26	448	217 ^b	217
		7/31	222		
		8/2	98		
		8/6	95		
		8/8	78		
		8/10	40		
		8/13	24		
		8/17	21		
		8/20	16		
		8/22	14		
		8/24	9		
		8/27	21		
		8/29	23		
		8/31	14		
		Period Subtotal	2,546	337	337
Total			7,851	792	792

^a Fishery descriptions and restrictions.

^b Bottle was collected on 7/27.

Appendix M3.—Chum salmon, 2008, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/19	399		
		6/24	1,337		
		6/26	1,762		
		7/1	1,716		
		Period Subtotal	5,214	0	0
2		7/5	101		
		7/8	278		
		7/10	301		
		7/14	1,277		
		7/16	374		
		Period Subtotal	2,331	0	0
3		7/21	785		
		7/23	625		
		7/25	431		
		7/28	352		
		7/30	247		
		8/1	150		
		8/4	68		
		8/6	36		
		8/8	27		
		8/10	21		
		8/12	29		
		8/14	14		
		8/16	12		
		8/18	27		
		8/20	6		
		8/22	6		
		8/25	13		
		8/27	7		
		8/29	7		
		Period Subtotal	2,863	0	0
Total			10,394	0	0

^a Fishery descriptions and restrictions.

Appendix M4.–Chum salmon, 2009, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/22	658	101	65
		6/25	1,374	293	136
		6/30	1,996	400	199
		Period Subtotal	4,028	794	400
2		7/6	2,466	611	250
		7/8	1,680		
		7/10	1,506		
		7/13	1,477	200	150
		7/15	1,654		
		7/16	600		
		7/17	1,313		
		Period Subtotal	10,696	811	400
3		7/20	606		
		7/22	432		
		7/24	309		
		7/25	304		
		7/27	125		
		7/29	24		
		7/31	119		
		8/3-5	169	91	91
		8/7	61		
		8/10	43		
		8/12	22		
		8/14	25		
		8/19	12		
		8/21	3		
		8/24	7		
		Period Subtotal	2,261	91	91
Total			16,985	1,696	891

^a Fishery descriptions and restrictions.

Appendix M5.—Chum salmon, 2006, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15	2,192		
		6/20	5,091	210	
		6/22	4,261	170	
		6/27	3,039	210 ^b	
		6/30	4,507		
		Period Subtotal	19,090	590	0
2		7/3	2,063	210	
		7/5	1,681		
		7/7	1,514	210	
		7/10	2,348	210	
		7/17	1,983	209	
		Period Subtotal	9,589	839	0
3		7/19	2,089		
		7/21	2,041		
		7/24	2,438	201	
		7/26	1,243	141	
		7/31	940	353	
		8/2	435	132	
		8/4	296		
		8/7	283		
		8/9	114		
		8/11	206		
		8/14	102		
		8/16	48		
		8/18	60		
		8/21	64		
		8/23	36		
		8/25	32		
		8/28	25		
		8/30	11		
		9/1	9		
		Period Subtotal	10,472	827	0
Total			39,151	2,256	0

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 7/1; however, no harvest occurred on that day, therefore samples were assigned to 6/30.

Appendix M6.—Chum salmon, 2007, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/14	250		
		6/19	1,275		
		6/21	2,530	210	210
		6/26	4,260		
		6/28	1,186	210	190
		Period Subtotal	9,501	420	400
2		7/2	3,582		
		7/4	2,723		
		7/6	2,885	281	174
		7/8	1,109		
		7/10	2,539		
		7/12	2,292	270	136
		7/14	1,624		
		7/16	1,584	267	94
		Period Subtotal	18,338	818	400
3		7/18	2,310	311 ^b	49
		7/20	6,109	400	129
		7/24	6,333	400	133
		7/26	6,903		
		7/31	3,462	340	73
		8/2	3,597		
		8/4	1,628		
		8/6	1,370		
		8/8	766	400	16
		8/10	502		
		8/13	433		
		8/15	313		
		8/17	194		
		8/20	142		
		8/22	73		
		8/24	108		
		8/27	51		
		8/29	55		
		8/31	44		
		Period Subtotal	34,393	1,851	400
Total			62,232	3,089	1,200

^a Fishery descriptions and restrictions.

^b A total of 111 samples were collected on 7/19 from the 7/18 harvest, the remainder were sampled on 7/18.

Appendix M7.–Chum salmon, 2008, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/14	345		
		6/17	640		
		6/24	3,941	204	188
		6/26	4,430	389	212
		Period Subtotal	9,356	593	400
2		7/1	6,285	230	230
		7/5	3,018		
		7/8	3,242	399	170
		7/10	2,901		
		7/12	3,452		
		7/14	6,246		
		Period Subtotal	25,144	629	400
3		7/16	3,325		
		7/18	4,032		
		7/21	4,917		
		7/23	3,434	411	400
		7/25	2,216		
		7/28	1,073		
		7/30	1,291		
		8/1	707		
		8/4	436		
		8/6	312		
		8/8	186		
		8/10	130		
		8/12	134		
		8/14	62		
		8/16	80		
		8/18	56		
		8/20	43		
		8/22	34		
		8/25	27		
		8/27	19		
		8/29	19		
		Period Subtotal	22,533	411	400
Total			57,033	1,633	1,200

^a Fishery descriptions and restrictions.

Appendix M8.—Chum salmon, 2009, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15	231		
		6/17	183	13	5
		6/22	2,005	63	59
		6/25	3,931	508	116
		6/30	7,391	428	220
		Period Subtotal	13,741	1,012	400
2		7/6	6,171	574	68
		7/8	10,633	397	117
		7/10	11,026	446	120
		7/13	7,256	251	79
		7/15	6,323	18	18
		Period Subtotal	41,409	1,686	402
3		7/16	4,579		
		7/17	6,732	403	365
		7/20	4,557		
		7/22	4,710		
		7/24	4,268		
		7/25	3,794		
		7/27	1,868		
		7/29	284		
		7/31	2,240		
		8/3	866		
		8/5	639	245	35
		8/7	562		
		8/10	374		
		8/12	169		
		8/14	146		
		8/17	99		
		8/19	66		
		8/21	31		
		8/24	24		
		Period Subtotal	36,008	648	400
Total			91,158	3,346	1,202

^a Fishery descriptions and restrictions.

Appendix M9.–Chum salmon, 2006, District 1, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/26	19,694		
		6/28	16,312	400	
		Period Subtotal	36,006	400	0
2		6/29-7/31	0		
		Period Subtotal	0	0	0
3		8/1	1,098	299	
		8/3	1,032	122	
		8/4	1,462	322	
		8/7	1,361		
		8/8	667		
		8/10	969		
		8/11	400		
		8/14	336		
		8/15	120		
		8/17	240		
		8/18	108		
		8/21	60		
		8/22	52		
		8/24	45		
		8/25	32		
		8/28	36		
		8/30	46		
		Period Subtotal	8,064	743	0
Total			44,070	1,143	0

^a Fishery descriptions and restrictions.

Appendix M10.–Chum salmon, 2007, District 1, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/7–23	196	205	195
	A	6/24–26	253	205	205
		Period Subtotal	449	410	400
2	A	6/27–28	334	201	199
	A	6/29–7/1	240		
		7/2	444	200	201
	A	7/6–11	351		
		Period Subtotal	1,369	401	400
3	A	7/12–19	776	198	198
	A	7/20–22	290		
	A	7/23–8/10	380	165	165
		8/1	3,500		
		8/3	2,510		
		8/6	1,082		
		8/8	1,208		
		8/10	724		
		8/13	463		
		8/14	436		
		8/16	316		
		8/17	112		
		8/20	110		
		8/22	154		
		8/24	148		
		Period Subtotal	12,209	363	363
Total			14,027	1,174	1,163

^a Fishery descriptions and restrictions: A= No commercial fishery in 2007, samples collected from lower Kuskokwim River test fishery.

Appendix M11.–Chum salmon, 2008, District 1, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/20	12,903	360	265
		6/24	6,560	416	135
		Period Subtotal	19,463	776	400
2		6/27	7,804	450	400
		Period Subtotal	7,804	450	400
3		7/12	160		
		7/19	98		
		7/22	120		
		7/30	113		
		8/4	487	302	302
		8/6	482		
		8/8	940		
		8/11	369	63	63
		8/13	143		
		8/15	111		
		8/18	47		
		8/20	35		
		8/22	84		
		8/25	60		
		Period Subtotal	3,249	365	365
Total			30,516	1,591	1,165

Note: Test fishery samples were also available from 6/18-8/24 (N = 1,649). These were not included; however, due to adequate commercial harvest numbers.

^a Fishery descriptions and restrictions.

Appendix M12.–Chum salmon, 2009, District 1, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/23	9,149	598	156
		6/26	14,466	679	244
		Period Subtotal	23,615	1,277	400
2		7/1	18,703	512	172
		7/11	7,500	433	69
		7/14	4,530	59	42
		7/18	12,870	456	118
		Period Subtotal	43,603	1,460	401
3		7/28	4,982	49	49
		8/1	1,599	6	6
		8/4	1,731	420	345
		8/6	31		
		8/8	633		
		8/11	436		
		8/13	58		
		8/16			
		8/18	81		
		8/22	21		
		Period Subtotal	9,572	475	400
Total			76,790	3,212	1,201

Note: Test fishery samples (N= 1,521) were collected from 6/9-8/18; however, due to ample samples from the commercial harvest, they were not included in 2009.

^a Fishery descriptions and restrictions.

APPENDIX N
SOCKEYE SALMON, KUSKOKWIM AREA, ARCTIC-YUKON-
KUSKOKWIM REGION, COMMERCIAL HARVEST
SAMPLING DETAILS

Appendix N1.—Sockeye salmon, 2006, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/22	959		
		6/27	2,509	140 ^b	140
		6/30	3,477		
		7/3	2,864		
		Period Subtotal	9,809	140	140
2		7/5	2,611		
		7/7	2,773		
		7/10	2,915		
		7/17	1,596		
		Period Subtotal	9,895	0	0
3		7/19	2,750		
		7/21	2,494		
		7/24	1,402		
		7/26	605		
		7/31	263		
		8/2	182		
		8/4	373		
		8/7	289		
		8/9	193		
		8/11	225		
		8/14	124		
		8/16	171		
		8/18	93		
		8/21	145		
		8/23	217		
		8/25	197		
		8/28	202		
		8/30	136		
		9/1	92		
		Period Subtotal	10,153	0	0
Total			29,857	140	140

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 6/28, however, no harvest occurred on that date, therefore, samples were assigned to 6/27.

Appendix N2.—Sockeye salmon, 2007, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/19	426		
		6/21	936		
		6/25	2,818		
		6/27	2,888		
		6/29	2,224		
		7/2	2,530	210	210
		7/4	1,940		
		Period Subtotal	13,762	210	210
2		7/6	2,341		
		7/8	3,012		
		7/10	2,895		
		7/12	2,911	98	98
		7/14	3,039		
		7/16	2,359	290	290
		Period Subtotal	16,557	388	388
3		7/18	2,070	200	200
		7/20	1,685		
		7/24	1,704		
		7/26	1,874	277 ^b	200
		7/31	806		
		8/2	340		
		8/6	371		
		8/8	586		
		8/10	686		
		8/13	401		
		8/17	334		
		8/20	506		
		8/22	438		
		8/24	509		
		8/27	523		
		8/29	354		
		8/31	260		
		Period Subtotal	13,447	477	400
Total			43,766	1,075	998

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 7/27; however, samples were collected on 7/26.

Appendix N3.—Sockeye salmon, 2008, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/19	873		
		6/24	1,368		
		6/26	2,533		
		7/1	2,490		
		Period Subtotal	7,264	0	0
2		7/5	2,314		
		7/8	2,363		
		7/10	1,809		
		7/14	3,070		
		7/16	1,609		
		Period Subtotal	11,165	0	0
3		7/21	1,971		
		7/23	1,610		
		7/25	870		
		7/28	872		
		7/30	724		
		8/1	570		
		8/4	513		
		8/6	242		
		8/8	311		
		8/10	307		
		8/12	159		
		8/14	144		
		8/16	108		
		8/18	134		
		8/20	68		
		8/22	66		
		8/25	55		
		8/27	27		
		8/29	57		
		Period Subtotal	8,808	0	0
Total			27,180	0	0

^a Fishery descriptions and restrictions.

Appendix N4.–Sockeye salmon, 2009, District 5, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/22	736	228	
		6/25	2,243	206	
		6/30	3,207	394	
		Period Subtotal	6,186	828	0
2		7/6	3,578	616	
		7/8	3,545		
		7/10	3,001	389	
		7/13	1,719	197	
		7/15	2,195		
		Period Subtotal	14,038	1,202	0
3		7/16	814		
		7/17	1,413	193	
		7/20	815	61	
		7/22	1,368		
		7/24	1,120		
		7/25	1,095		
		7/27	583		
		7/29	79		
		7/31	456		
		8/3	481		
		8/5	614		
		8/7	624		
		8/10	693		
		8/12	536		
		8/14	746		
		8/19	440		
		8/21	303		
		8/24	140		
		Period Subtotal	12,320	254	0
Total			32,544	2,284	0

^a Fishery descriptions and restrictions.

Appendix N5.—Sockeye salmon, 2006, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15	188		
		6/20	993	139	139
		6/22	2,038		
		6/27	4,838	210 ^b	210
		6/30	17,074		
		Period Subtotal	25,131	349	349
2		7/3	10,445	214	113
		7/5	10,202		
		7/7	14,061	843	152
		7/10	12,537	205	135
		Period Subtotal	47,245	1,262	400
3		7/17	8,012	210	186
		7/19	8,043	202	187
		7/21	7,508		
		7/24	3,886		
		7/26	1,979		
		7/31	1,189	264	28
		8/2	737		
		8/4	684		
		8/7	447		
		8/9	168		
		8/11	334		
		8/14	207		
		8/16	188		
		8/18	136		
		8/21	98		
		8/23	75		
		8/25	96		
		8/28	55		
		8/30	38		
		9/1	52		
		Period Subtotal	33,932	676	401
Total			106,308	2,287	1,149

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 6/28; however, no harvest occurred on 6/28, therefore samples were assigned to 6/27.

Appendix N6.—Sockeye salmon, 2007, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/14	66		
		6/19	349		
		6/21	1,533	210	190
		6/26	1,940		
		6/28	5,150	210	210
		7/2	7,633		
		Period Subtotal	16,671	420	400
2		7/4	8,970		
		7/6	8,228	210	107
		7/8	7,494		
		7/10	10,548		
		7/12	13,170	308	170
		7/14	13,589		
		7/16	9,483	400	123
		Period Subtotal	71,482	918	400
3		7/18	5,545	400	147
		7/20	5,077	400	135
		7/24	3,608	315	96
		7/26	2,579		
		7/31	821	232	22
		8/2	788		
		8/4	354		
		8/6	608		
		8/8	301		
		8/10	326		
		8/13	225		
		8/15	234		
		8/17	187		
		8/20	144		
		8/22	151		
		8/24	167		
		8/27	105		
		8/29	79		
		8/31	65		
		Period Subtotal	21,364	1,347	400
Total			109,517	2,685	1,200

^a Fishery descriptions and restrictions.

Appendix N7.—Sockeye salmon, 2008, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/14	91		
		6/17	354		
		6/24	1,946		
		6/26	2,150		
		7/1	6,782	130	130
		7/5	6,484		
		7/8	5,494	305	270
		Period Subtotal	23,301	435	400
2		7/10	7,361		
		7/12	8,322		
		7/14	10,141		
		7/16	5,557	409	400
		7/18	5,368		
		Period Subtotal	36,749	409	400
3		7/21	3,041		
		7/23	2,029		
		7/25	1,140		
		7/28	793	424	400
		7/30	800		
		8/1	484		
		8/4	287		
		8/6	222		
		8/8	174		
		8/10	139		
		8/12	127		
		8/14	101		
		8/16	121		
		8/18	82		
		8/20	65		
		8/22	28		
		8/25	42		
		8/27	11		
		8/29	7		
		Period Subtotal	9,693	424	400
Total			69,743	1,268	1,200

^a Fishery descriptions and restrictions.

Appendix N8.—Sockeye salmon, 2009, District 4, Kuskokwim Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		6/15	142		
		6/17	245	8	
		6/22	1,892	59	
		6/25	4,753	605	
		6/30	10,329	518	
		Period Subtotal	17,361	1,190	0
2		7/6	14,406	589	
		7/8	12,919	390	
		7/10	14,274	471	
		7/13	7,810	400	
		7/15	8,623	34	
		Period Subtotal	58,032	1,884	0
3		7/16	6,946		
		7/17	6,561	200	
		7/20	6,877		
		7/22	6,898		
		7/24	4,048		
		7/25	1,960		
		7/27	837		
		7/29	134		
		7/31	847		
		8/3	470		
		8/5	245	113	
		8/7	239		
		8/10	235		
		8/12	92		
		8/14	131	30	
		8/17	96		
		8/19	77		
		8/21	51		
		8/24	16		
		Period Subtotal	36,760	343	0
Total			112,228	3,417	0

^a Fishery descriptions and restrictions.

APPENDIX O
CHUM SALMON, YUKON-NORTHERN AREA, ARCTIC-
YUKON-KUSKOKWIM REGION COMMERCIAL
HARVEST SAMPLING DETAILS

Appendix O1.—Chum salmon, 2006, District 1 marine areas (summer), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/20	NA	160	
		Period Subtotal	NA	160	0
2	A	6/26	NA	162	
	A	6/30	NA	157	
		Period Subtotal	NA	319	0
3	A	7/4	NA	158	
	A	7/6	NA	103	
		Period Subtotal	NA	261	0
Total			NA	740	0
1	B	6/20	2,710	156	
		Period Subtotal	2,710	156	0
2	B	6/26	850		
	B	6/30	572	157	
		Period Subtotal	1,422	157	0
3	B	7/4	134	83	
	B	7/6	44		
		Period Subtotal	178	83	0
Total			4,310	396	0

Note: Catch in marine areas, exclusive of inriver portion of District 1 is estimated based on processor's supplied estimates of proportion caught in marine areas.

^a Fishery descriptions and restrictions: A=District 1 marine areas excluding Black River, B=District 1 Black River only.

Appendix O2.—Chum salmon, 2007, District 1 marine areas (summer), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/19	97	93	24
	A	6/20	350	195	85
	A	6/21-22	1,101	318	291
		Period Subtotal	1,548	606	400
2	A	6/26	731	486	37
	A	6/27	1,657	598	84
	A	6/30	1,931	532	98
	A	7/2	3,548	281	181
		Period Subtotal	7,867	1,897	400
3	A	7/6	663	245	239
	A	7/10	669	162	162
	A	7/13	431		
	A	7/15	604		
		Period Subtotal	2,367	407	400
Total			11,782	2,910	1,200
1	B	6/19	268	237	217
	B	6/21	1,367	183 ^b	183
		Period Subtotal	1,635	420	400
2	B	6/26	630	120	120
	B	6/30	485		
	B	7/2	965		
		Period Subtotal	2,080	120	120
3	B	7/6-15	9		
		Period Subtotal	9	0	0
Total			3,724	540	520

Note: Catch in marine areas, exclusive of in-river portion of District 1 is estimated based on processor's supplied estimates of proportion caught in marine areas (35% of 334-12, 25% of 334-15, and 25% of 334-16). Whenever samples collected were greater than estimated marine harvest, samples were used.

^a Fishery descriptions and restrictions: A=District 1 marine areas excluding Black River, B=District 1 Black River only.

^b Bottles were recorded as 6/23; however, no harvest occurred on 6/23, therefore, samples were assigned to 6/22.

Appendix O3.—Chum salmon, 2008, District 1 marine areas (summer), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	<7/2	0		
		Period Subtotal	0	0	0
2	A	7/2	361	241	102
	A	7/5	1,612	298	298
		Period Subtotal	1,973	539	400
3	A	7/8	617	275	115
	A	7/10	1,120	247	209
	A	7/12	493		
	A	7/14	409	100	76
		Period Subtotal	2,639	622	400
Total			4,612	1,161	800
1	B	<7/2	0		
		Period Subtotal	0	0	0
2	B	7/2	228		
	B	7/5	352		
		Period Subtotal	580	0	0
3	B	7/8	227		
	B	7/10	393		
		Period Subtotal	620	0	0
Total			1,200	0	0

Note: Catch in marine areas, exclusive of in-river portion of District 1 is estimated based on processor's supplied estimates of proportion caught in marine areas (30% of 334-12 and 334-16). Whenever samples collected were greater than estimated marine harvest, samples were used.

^a Fishery descriptions and restriction: A=District 1 marine areas excluding Black River, B=District 1 Black River only.

Appendix O4.–Chum salmon, 2009, District 1 marine areas (summer), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	6/29	1,294	201	201
	A	7/2	1,267	150	150
		Period Subtotal	2,560	351	351
2	A	7/3-4	1,732	150	150
	A	7/7-8	819	150	150
		Period Subtotal	2,551	300	300
3	A	7/10-11	544	150	150
	A	7/14-15	1,185	150	150
		Period Subtotal	1,729	300	300
Total			6,841	951	951
1	B	6/29-7/2	0		
		Period Subtotal	0	0	0
2	B	7/3-4	51		
		Period Subtotal	51	0	0
3	B	7/10-11	679		
		Period Subtotal	679	0	0
Total			730	0	0

Note: Catch in marine areas, exclusive of in-river portion of District 1 is estimated based on processor's supplied estimates of proportion caught in marine areas (35% of 334-12, 25% of 334-15, and 25% of 334-16). Whenever samples collected were greater than estimated marine harvest, samples were used.

^a Fishery descriptions and restrictions: A=District 1 marine areas excluding Black River, B=District 1 Black River only.

Appendix O5.—Chum salmon, 2006, District 1 marine areas (fall), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	7/30	16,579	160	
	A	8/1	6,288		
	A	8/3	1,219	160	
		Period Subtotal	24,086	320	0
2	A	8/7	7,534	160	
	A	8/9	2,931		
	A	8/10	1,510	160	
	A	8/13	21,869	159	
	A	8/15	6,526		
	A	8/17	5,907	160	
		Period Subtotal	46,277	639	0
3	A	8/20	10,488	160	
	A	8/22	1,979		
	A	8/24	4,599	160	
	A	8/27	7,366	160	
	A	8/29	788		
	A	8/31	5,361		
	A	9/3	207		
	A	9/5	103		
		Period Subtotal	30,891	480	0
Total			101,254	1,439	0
1	B	7/30-8/3	0		
		Period Subtotal	0	0	0
2	B	8/7-17	163		
		Period Subtotal	163	0	0
3	B	8/20-9/5	0		
		Period Subtotal	0	0	0
Total			163	0	0

^a Fishery descriptions and restrictions.

Appendix O6.—Chum salmon, 2007, District 1 marine areas (fall), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/17-25			
		Period Subtotal	0	0	0
2		8/14	7,981	225	136
		8/19	2,313	168	39
		8/24	17,000	225	225
		Period Subtotal	27,294	618	400
3		8/26	5,855	242	214
		8/30	4,012	297	147
		9/3	745	47	27
		9/6	338	29	12
		9/9	608		
		Period Subtotal	11,558	615	400
Total			38,852	1,233	800
1	B	<8/14	0		
		Period Subtotal	0	0	0
2	B	8/14-24	0		
		Period Subtotal	0	0	0
3	B	8/26-9/9	0		
		Period Subtotal	0	0	0
Total			0	0	0

^a Fishery descriptions and restrictions.

Appendix O7.—Chum salmon, 2008, District 1 marine areas (fall), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/17	2,131	100	82
		7/22	6,030	130	130
		7/25	4,905	300	188
		Period Subtotal	13,066	530	400
2		7/29	19,344	100	100
		8/1	18,303	200	200
		Period Subtotal	37,647	300	300
3		8/26	9,821	100	100
		8/30	851	100	39
		9/2	1,637	148	76
		9/5	2,051	139	93
		9/8	1,992	185	92
		9/10	639		
		Period Subtotal	16,991	672	400
Total			67,704	1,502	1,100
1	B	7/17-25	0		
		Period Subtotal	0	0	0
2	B	7/29-8/1	22		
		Period Subtotal	22	0	0
3	B	8/26-9/10	0		
		Period Subtotal	0	0	0
Total			22	0	0

^a Fishery descriptions and restrictions.

Appendix O8.—Chum salmon, 2009, District 1 marine areas (fall), Yukon-Northern Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/18	4,011	150 ^b	150
		7/22	2,799	158	158
		Period Subtotal	6,810	308	308
2		7/29	1,623	150	150
		8/5	2,558	152	152
		Period Subtotal	4,181	302	302
3		9/6	80		
		9/8	680		
		9/10	160		
		Period Subtotal	920	0	0
Total			11,911	610	610
1	B	7/18-22	0		
		Period Subtotal	0	0	0
2	B	7/29-8/5	0		
		Period Subtotal	0	0	0
3	B	9/6-8	0		
		Period Subtotal	0	0	0
Total			0	0	0

^a Fishery descriptions and restrictions.

^b Bottle was recorded as 7/17; however, no harvest occurred on 7/17, therefore, samples were assigned to 7/18.

APPENDIX P
CHUM SALMON, NORTON SOUND-PORT CLARENCE
DISTRICT, ARCTIC-YUKON-KUSKOKWIM REGION,
COMMERCIAL HARVEST SAMPLING DETAILS

Appendix P1.—Chum salmon, 2006, Subdistrict 6, Norton Sound District, Norton Sound-Port Clarence Area, AYK Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/21-22	362	150	
		7/24-25	1,121	150	
		Period Subtotal	1,483	300	0
2		7/26-28	1,138	150	
		7/30-8/1	903	150	
		8/2-4	550	150	
		Period Subtotal	2,591	450	0
3		8/6-8	625	150	
		8/9-11	694	150	
		8/13-15	292	150	
		8/16-18	184	150	
		8/20-22	307	150	
		8/23-25	165	150	
		8/27-29	132	122	
		8/30-9/1	85	84	
		9/4-8	87	66	
		9/10-14	76		
		Period Subtotal	2,647	1,172	0
Total			6,721	1,922	0

^a Fishery descriptions and restrictions.

Appendix P2.—Chum salmon, 2007, Subdistrict 6, Norton Sound District, Norton Sound-Port Clarence Area, AYK Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/18-19	1,050	200	200
		7/20-21	953	200	200
		Period Subtotal	2,003	400	400
2		7/22-24	1,858	200	200
		7/25-27	1,561		
		7/29-31	2,371	200	200
		Period Subtotal	5,790	400	400
3		8/5-6	162		
		8/7-8	437		
		8/9-11	418		
		8/12-14	1,252		
		8/15-17	542		
		8/19-21	281		
		8/22-24	123		
		8/26-28	282		
		8/29-31	181		
		9/2-9/4	197		
		9/5-9/7	120		
		Period Subtotal	3,995	0	0
Total			11,788	800	800

Note: Harvest numbers available by fishing period only, not by day.

^a Fishery descriptions and restrictions.

Appendix P3.—Chum salmon, 2008, Subdistrict 6, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/8	52		
		7/9-13	959	350	350
		7/14	176		
		7/15	335		
		Period Subtotal	1,522	350	350
2		7/17-18	2,351	150 ^b	92
		7/20-22	1,852	150 ^b	44
		7/23-25	2,397	200 ^b	149
		7/27-29	2,954	145 ^b	114
		Period Subtotal	9,554	645	400
3		7/30-8/1	1,252		
		8/3-5	1,305	150 ^b	150
		8/6-8	742	123 ^b	123
		8/10-12	931		
		8/13-15	925		
		8/17-19	387		
		8/20-22	263		
		8/24-26	214		
		8/27-29	141		
		8/31-9/2	189		
		9/3-9/5	169		
		9/7-9/9	26		
		9/10-12	28		
		Period Subtotal	6,572	273	273
Total			17,648	1,268	1,023

^a Fishery descriptions and restrictions.

^b Bottles recorded as a day or two after the actual harvest.

Appendix P4.—Chum salmon, 2009, Subdistrict 6, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/8-9	126		
		7/10-11	1,517	150	150
		7/12-13	1,608	150 ^b	150
		7/14-15	1,691		
		Period Subtotal	4,942	300	300
2		7/16-17	1,045		
		7/19-21	2,601	200	200
		7/22-24	1,688		
		7/26-28	1,877	262	200
		Period Subtotal	7,211	462	400
3		7/29-31	1,108	74	74
		8/2-4	1,083		
		8/5-14	3,851	227	227
		8/16-18	804		
		8/19-21	673		
		8/23-25	435		
		8/26-28	211		
		8/30-9/1	56		
		9/2-4	141		
		9/6-8	94		
		9/9-11	38		
		Period Subtotal	8,494	301	301
Total			20,647	1,063	1,001

^a Fishery descriptions and restrictions.

^b Bottles recorded as a day or two after the actual harvest.

Appendix P5.—Chum salmon, 2006, Subdistrict 5, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/21-22	1,156	250	
		7/24-25	652	150	
		Period Subtotal	1,808	400	0
2		7/26-28	218	150	
		7/30-8/1	697	150	
		Period Subtotal	915	300	0
3		8/2-4	551	150	0
		8/13-15	33		
		8/16-18	3		
		8/20-22	11		
		Period Subtotal	598	150	0
Total			3,321	850	0

^a Fishery descriptions and restrictions.

Appendix P6.—Chum salmon, 2007, Subdistrict 5, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/18-19	799		
		7/20-21	495	200	200
		Period Subtotal	1,294	200	200
2		7/22-24	1,167	330 ^b	191
		7/25-27	774	188 ^b	127
		7/29-31	792	82 ^b	82
		8/1-2	135		
		Period Subtotal	2,868	600	400
3		8/7-8	722		
		8/9-11	396		
		8/12-14	163		
		8/15-17	297		
		8/19-21	95		
		8/22-24	88		
		8/26-28	94		
		8/29-31	59		
		Period Subtotal	1,914	0	0
Total			6,076	800	600

^a Fishery descriptions and restrictions.

^b Harvest available by fishing periods; not by day, therefore, samples pooled by fishing periods.

Appendix P7.—Chum salmon, 2008, Subdistrict 5, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/9	64		
		7/10	45		
		7/12	189	76	76
		7/14	2		
		7/15	70		
		7/17-18	568		
		7/20-22	878	200 ^b	200
		Period Subtotal	1,816	276	276
2		7/23-25	652	150 ^b	150
		7/27-29	780		
		7/30-1	12		
		8/3-5	764	200	200
		Period Subtotal	2,208	350	350
3		8/6-8	403		
		8/10-12	525	200 ^b	158
		8/13-15	575	200 ^b	174
		8/17-19	227	174 ^b	68
		8/20-22	72		
		8/24-26	86		
		8/27-29	58		
		8/31-9/2	41		
		9/3-5	28		
		9/7-9	3		
		Period Subtotal	2,018	574	400
Total			6,042	1,200	1,026

^a Fishery descriptions and restrictions.

^b Bottle recorded as a day or two after the harvest date.

Appendix P8.—Chum salmon, 2009, Subdistrict 5, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/10-11	2,222		
		7/12-13	1,840		
		7/14-15	1,110	150	150
		7/16-17	1,184		
		7/19-21	1,275		
		Period Subtotal	7,631	150	150
2		7/22-24	1,229		
		7/26-28	429		
		7/29-31	174	151	151
		8/2-4	237		
		Period Subtotal	2,069	151	151
3		8/5-7	269	107 ^b	107
		8/9-11	372		
		8/12-14	152		
		8/16-18	254		
		8/19-21	95		
		8/23-25	26		
		8/26-28	36		
		9/2-4	25		
		9/6-8	8		
		9/9-11	4		
		Period Subtotal	1,241	107	107
Total			10,937	408	408

Note: Harvest numbers available by fishing period only, not daily.

^a Fishery descriptions and restrictions.

^b Bottle recorded as 8/8; however, the samples were from 8/5-8/7.

Appendix P9.—Chum salmon, 2007, Subdistricts 3 and 2, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	7/10-11	789	70 ^b	70
	A	7/13-18	2,137	330 ^{b,c}	222
	A	7/20-21	507	200 ^b	53
	A	7/24-25	289	138 ^b	30
	A	7/28-29	238	62 ^b	25
	A	8/4-5	46		
	A	8/8-9	94		
	A	8/13-14	99		
	A	8/16-17	82		
	A	8/19-20	70		
	A	8/21-22	100		
	A	8/24-25	67		
	A	8/28-29	49		
Period Subtotal			4,567	800	400
Total			4,567	800	400

^a Fishery descriptions and restrictions: A) Subdistrict 3 only, Subdistrict 2 was closed.

^b Bottles recorded as being a day or two after the actual harvest.

^c Sample came from mixture of two fishery openings.

Appendix P10.—Chum salmon, 2008, Subdistricts 3 and 2, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	7/05	145	145 ^b	145
	A	7/22-23	57	53 ^b	53
	A	7/26-27	41		
	A	8/16-18	4		
	A	8/19-21	14		
	A	8/25-27	17		
	A	8/28-30	26		
Period Subtotal			304	198	198
1	B	7/1	Confidential	117	117
	B	7/3	Confidential	98 ^b	98
	B	7/7	Confidential		
	B	8/20-22	Confidential		
Period Subtotal			623	215	215
Total			927	413	413

^a Fishery descriptions and restrictions: A=Subdistrict 3 only, B=Subdistrict 2 only.

^b Samples were collected a day or two after the harvest.

Appendix P11.—Chum salmon, 2009, Subdistricts 3 and 2, Norton Sound District, Norton Sound-Port Clarence Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1	A	8/7-9	150		
	A	8/10-12	109		
	A	8/14-16	78		
	A	8/17-19	51		
	A	8/24-26	115		
	A	8/27-29	29		
	A	9/2-4	65		
		Period Subtotal	597	0	0
1	B	8/7-26	87		
		Period Subtotal	87	0	0
Total			684	0	0

^a Fishery descriptions and restrictions: A=Subdistrict 3 only, B=Subdistrict 2 only.

APPENDIX Q
CHUM SALMON, KOTZEBUE AREA, ARCTIC-YUKON-
KUSKOKWIM REGION, COMMERCIAL HARVEST
SAMPLING DETAILS

Appendix Q1.—Chum salmon, 2006, Kotzebue District, Kotzebue Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/10-16	3,705	300	
		7/17-23	22,047	300	
		7/24-30	24,193	300	
		7/31-8/6	14,391	300	
		8/7-13	29,069	300	
		8/14-20	22,108	300	
		8/21-27	22,448	150	
		Period Subtotal	137,961	1,950	0
Total			137,961	1,950	0

Note: Harvest numbers only available by fishing period, not by day, therefore samples are pooled by period.

^a Fishery descriptions and restrictions.

Appendix Q2.—Chum salmon, 2007, Kotzebue District, Kotzebue Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/17-21	10,703	150	39
		7/23-27	23,564	200	85
		7/30-8/4	26,656	200	97
		8/6-9	21,965	100	80
		8/13-18	27,575	275	100
		8/22-25	17,071		
		8/27-31	19,553		
		Period Subtotal	147,087	925	401
Total			147,087	925	401

Note: Harvest numbers only available by fishing period, not by day, therefore samples are pooled by period.

^a Fishery descriptions and restrictions.

Appendix Q3.—Chum salmon, 2008, Kotzebue District, Kotzebue Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/21-25	11,616	80	27
		7/28-8/1	30,850	80	70
		8/4-9	38,632	80	80
		8/11-15	42,196	80	80
		8/16-18 ^b	22,150	40	40
		8/18-22 ^b	33,800	80	77
		8/25-29	11,306	40	26
		Period Subtotal	190,550	480	400
Total			190,550	480	400

Note: Harvest numbers only available by fishing period, not by day, therefore samples are reported by period.

^a Fishery descriptions and restrictions.

^b One fishing period ended on the same day as the next period started.

Appendix Q4.—Chum salmon, 2009, Kotzebue District, Kotzebue Area, Arctic-Yukon-Kuskokwim Region: Commercial harvest, number of samples collected, and number of samples selected for genetic analysis, provided by date and grouped by temporal stratum.

Temporal Stratum	DESC ^a	Date(s)	Harvest	Genetics Samples	
				Collected	Selected
1		7/10-11	3,461		
		7/13-18	14,610	40	40
		7/20-25	22,982	80	80
		7/27-8/1	23,817		
		8/3-8/8	39,922	80	80
		8/10-15	36,272	80	80
		8/17-22	21,875	80	80
		8/24-29	24,046	40	40
		8/31	577		
		Period Subtotal	187,562	400	400
Total			187,562	400	400

Note: Harvest numbers only available by fishing period, not by day, therefore samples are reported by period.

^a Fishery descriptions and restrictions.