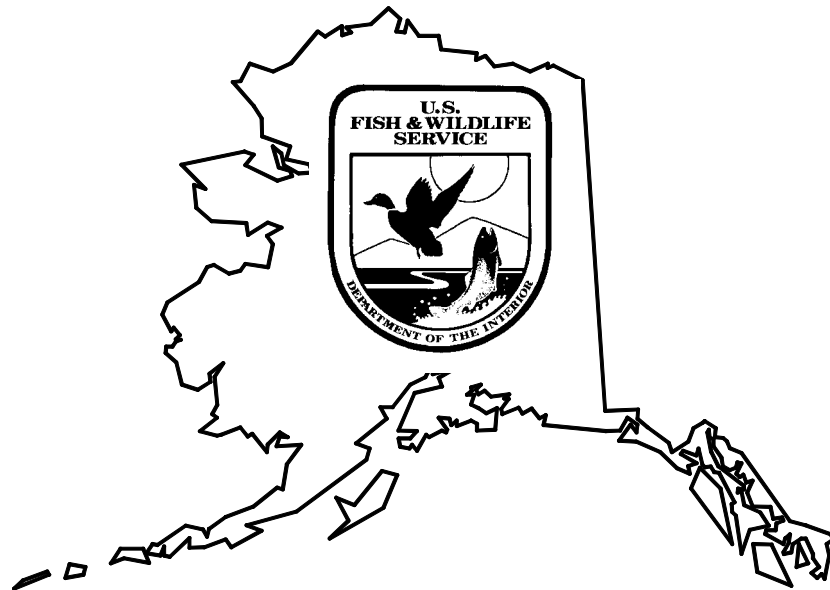


Genetic Baseline Collections Summary



May 1999

Region 7
U.S. Fish and Wildlife Service ! Department of the Interior

Mission of the Fish Genetics Laboratory

The mission of the Fish Genetics Laboratory is to provide the necessary genetics expertise and support to permit sound stewardship of Alaska fishery resources, including conservation of the natural diversity of wild fish populations and aquatic ecosystems. Responsibilities include providing U.S. Fish and Wildlife Service leadership for conservation of genetic resources, particularly Pacific salmon stocks; development and implementation of genetic stock identification studies to delineate stocks for use in fisheries management and allocation decisions; evaluations of genetic impacts resulting from stock introductions, exploitation, and other activities; monitoring stocks for genetic change; coordination of genetic issues within and outside the Service; and conducting outreach activities that promote the importance of maintaining genetic diversity.

Nondiscrimination Clause

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U.S. Department of the Interior
Office for Equal Opportunity
1849 C Street, NW
Washington, D.C. 20240

Genetic Baseline Collections Summary

Blair Flannery
and
William J. Spearman



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Genetic Baseline Collections Summary

Blair Flannery and William J. Spearman
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1011 East Tudor Road, Anchorage, Alaska 99503

Genetic baseline collections maintained by the Fish Genetics Laboratory are summarized by species, geographic region, location, and year. Each collection represents a spawning aggregate of fish as closely as possible. Samples are maintained in individually numbered vials at #-20°C, and consist of tissue, such as fin, and/or genomic DNA.

The following species and geographic locations are represented:

Species

humpback whitefish	<i>Coregonus pidschian</i>
northern pike	<i>Esox lucius</i>
chum salmon	<i>Oncorhynchus keta</i>
coho salmon	<i>Oncorhynchus kisutch</i>
rainbow trout	<i>Oncorhynchus mykiss</i>
sockeye salmon	<i>Oncorhynchus nerka</i>
chinook salmon	<i>Oncorhynchus tshawytscha</i>
arctic char	<i>Salvelinus alpinus</i>
Dolly Varden	<i>Salvelinus malma</i>
sheefish (inconnu)	<i>Stenodus leucichthys</i>
grayling	<i>Thymallus arcticus</i>

Geographic Locations

Alaska:	North Slope
Aleutian Islands	Prince William Sound
Bristol Bay	SE Alaska
Alaska Peninsula	Yukon River
Cook Inlet	Other state:
Copper River	Washington
Kodiak	Other countries:
Kuskokwim	Canada
Norton Sound	Russia

Some tissues are available in limited quantities for scientific use. For more information on availability, contact the authors.

Genetic Baseline Collections Summary

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Region 7, U.S. Fish & Wildlife Service



RIVER	YEAR
humpback whitefish <i>Coregonus pidschian</i>	
Yukon River	
Fish Lake	98
Kalutna River	98
Last Tetlin River	98
Moose Creek	98
Ten Mile Lake	98
northern pike <i>Esox lucius</i>	
SE Alaska	
Big Pine Lake	98
Yukon River	
Innoko River	98
chinook salmon <i>Oncorhynchus tshawytscha</i>	
Bristol Bay	
Kasigluk River	90
Kwethluk River	90
Cook Inlet	
Benjamin Creek	91
Chuitna River	92
Kasilof River	91
Kasilof River	92
Kenai River	90
Locy/Chuitt	92
Montana Creek	91
Sheep Creek	91
Susitna River	91
Troublesome Creek	91
Willow Creek	91

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RIVER	YEAR
chinook salmon <i>Oncorhynchus tshawytscha</i>	
Kodiak	
Ayakulik River	97
Karluk River	97
Russia	
Bolshaya River	91
Kamchatka River	91
Vorovskaya River	91
Washington State	
Lyons Ferry	97
Priest Rapids	97
Yukon River	
Beaver Creek	97
California Creek	96
Klondike River	90
McQuesten River	90
Stony Creek	90
Takhini River	90
Tolstoi Creek	96

chum salmon *Oncorhynchus keta*

Alaska Peninsula	
Joshua Green	95
Russia	
Anadyr River	91
Avacha River	90
Hairusova River	90
Kamchatka River	90
Kamchatka River	91
Kol River	91
Magadan River	91

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RIVER	YEAR
chum salmon <i>Oncorhynchus keta</i>	
Russia	
Ola River	90
Tauy River	90
Vorovskaya River	91
SE Alaska	
Saltery River	91
W. Crawfish Inlet	93
Yukon River	
Anvik River	88
Big Creek	92
Black River	95
California Creek	96
California Creek	97
Chandalar River	89
Chena River	97
Chulinak River	89
Dakli River	92
Delta River	89
Delta River	90
Fishing Branch River	89
Fishing Branch River	92
Gisasa River	88
Kaltag River	92
Kluane River	87
Kluane River	92
Koyukuk River	90
Minto Slough	89
Nulato River, South Fork	87
Salcha River	97
Sheenjek River	88
Sheenjek River	89
South Fork Koyukuk	96
Tatchun River	87
Tatchun River	92

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RIVER	YEAR
chum salmon <i>Oncorhynchus keta</i>	
Yukon River	
Teslin River	92
Toklat River	87
Toklat River	90
Tolstoi Creek	96
Tolstoi Creek	97
Tozitna River	92
coho salmon <i>Oncorhynchus kisutch</i>	
Alaska Peninsula	
Camp Creek	97
Clear Creek	97
Frosty Creek	98
Gertrude Creek	97
Joshua Green	95
Kametolook River	97
Kametolook River	98
King Salmon River	97
Mink Creek	97
Mortenson Creek	98
Mossy Creek	97
Russell Creek	98
Sandy Creek	97
Stapp Creek	98
Whale Mountain Creek	97
Aleutian Islands	
Finger Creek	97
Nav-Fac Creek	97
White Alice Creek	97
Bristol Bay	
Alagnak River	97
Arolik River	97

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RIVER	YEAR
coho salmon <i>Oncorhynchus kisutch</i>	
Bristol Bay	
Big Creek	97
Gechiak Creek	97
Goodnews River	97
Goodnews River	98
Kanektok River	98
King Salmon Creek	97
Kulukak River	97
Matogak River	97
Ongivinuk Creek	97
Osviak River	97
Pungokepuk Creek	97
Cook Inlet	
3 mile Creek	92
Bear Valley	97
Chuitna River	92
Crescent Lake	98
Explorer Creek	97
Granite Stream	97
Kenai River	94
Kenai River	99
Lewis River	92
Moose River	98
Quartz Creek	98
Russian River	95
Russian River	96
Slikok Creek	97
South Fork Snow River	98
Sucker Creek	97
Tern Lake	95
Tern Lake Outlet	98
Williwaw Stream	97
Willow Pond	97

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RIVER	YEAR
coho salmon <i>Oncorhynchus kisutch</i>	
Kodiak	
Akalura River	97
Ayakulik River	97
Bear Creek	97
Buskin River	98
Midway River	97
Paul's Lake	97
Spiridon River	98
Zachar River	97
Kuskokwim	
Arolik River	98
Kisaralik River	97
Kogrukluuk River	98
Kwethluk River	98
Norton Sound	
Nome River	98
Prince William Sound	
Billy's Hole Lake	97
Billy's Hole Lake	98
Camp Creek	98
Gunboat Streams	97
Gunboat Streams	98
Otter Creek	97
Otter Creek	98
Red Creek	97
Red Creek	98
Russia	
Avacha Bay	90
SE Alaska	
Indian River	98

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RIVER	YEAR
coho salmon <i>Oncorhynchus kisutch</i>	
SE Alaska	
Kadashan River	98
Margaret Creek	97
Ophir Creek	97
Pavlof River	98
Reflection Lake	97
Shotter Creek	98
Situk River	98
Yukon River	
Andreafsky River, East Fork	98
California Creek	96
California Creek	97
Delta Clearwater	97
Fishing Branch River	98
Illinois Creek	96
Illinois Creek	97
Nenana River	97
Porcupine River	98
kokanee <i>Oncorhynchus nerka</i>	
Cook Inlet	
Hidden Lake	92
rainbow trout <i>Oncorhynchus mykiss</i>	
Bristol Bay	
Arolik River	94
Arolik River	96
Arolik River	97
Gechiak Creek	87
Gechiak Creek	96
Gechiak Creek	97
Negukthlik River	90

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RIVER	YEAR
rainbow trout <i>Oncorhynchus mykiss</i>	
Bristol Bay	
Negukthlik River	97
Ongivinuk Creek	96
Ongivinuk Creek	97
Osviak Creek	96
Osviak Creek	97
Pungokepuk Creek	96
Pungokepuk Creek	97
Cook Inlet	
Kenai River	95
Kenai River	98
Moose River	98
Russian River	98
Kuskokwim	
Kisaralik River	97
Kwethluk River	98
sockeye salmon <i>Oncorhynchus nerka</i>	
Alaska Peninsula	
Joshua Green	95
Aleutian Islands	
Adak Lake	93
Cook Inlet	
Bear Creek	92
Clear Creek	92
Crystal Creek	92
Glacier Flats Creek (E)	92
Glacier Flats Creek (L)	92
Glacier River Spring	92
Hidden Lake	93

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RIVER	YEAR
sockeye salmon <i>Oncorhynchus nerka</i>	
Cook Inlet	
Kasilof River	92
Kenai Lake	92
LM 25, Tustumena shore	92
LM 54, Tustumena shore	92
Moose Creek	92
Nikolai Creek	92
Point Lake Cove	92
Ptarmigan Creek	92
Russian River	93
Copper River	
Gulkana River	92
Kodiak	
Caida Beach	95
Connecticut Creek	95
Frazer Lake	95
Karluk Lake	95
Karluk River	92
Linda Creek	95
Midway Creek	95
O'Malley Beach	95
Outlet Beach	95
Pinnell Creek	95
Ruth River	95
Stumble Creek	95
Summit Creek	95
steelhead <i>Oncorhynchus mykiss</i>	
Alaska Peninsula	
Russell Creek	98

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RIVER	YEAR
steelhead <i>Oncorhynchus mykiss</i>	
Kodiak	
Ayakulik River	97
Karluk River	97
Sturgeon River	98
Dolly Varden <i>Salvelinus malma</i>	
Alaska Peninsula	
Becharof Lake	98
Frosty Creek	98
Russell Creek	98
Stopp Creek	98
Trout Creek	98
Aleutian Islands	
Clam Lagoon & Finger Bay	98
Bristol Bay	
Arolik River	96
Arolik River	97
Gechiak Creek	96
Gechiak Creek	97
Gertrude Creek	90
Izavieknik River	97
Kashaiak River	97
Kinegnak River	97
Kulukak River	97
Matogak River	96
Ongivinuk Creek	96
Ongivinuk Creek	97
Ongoke River	96
Ongoke River	97
Osviak Creek	96
Osviak Creek	97
Pungokepuk Creek	96

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RIVER	YEAR
Dolly Varden <i>Salvelinus malma</i>	
Bristol Bay	
Pungokepuk Creek	97
Togiak River	97
Trail Creek	97
Cook Inlet	
Bear Creek	90
Clear Creek	90
Cooper Creek	98
Glacier Creek	90
Quartz Creek	98
South Fork Snow River	98
arctic char <i>Salvelinus alpinus</i>	
Alaska Peninsula	
Becharof Lake	98
sheefish <i>Stenodus leucichthys</i>	
Canada	
Mackenzie	93
Norton Sound	
Kobuk River	93
Kobuk River	94
Selawik River	93
Selawik River	94
Yukon River	
Yukon River	98

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RIVER	YEAR
grayling <i>Thymallus arcticus</i>	
Alaska Peninsula	
Featherly Creek	95
Bristol Bay	
Arolik River	95
Arolik River	96
Arolik River	97
Gechiak Creek	95
Gechiak Creek	96
Gechiak Creek	97
Kemuk River	95
Kinegnak River	97
Ongivinuk Creek	95
Ongivinuk Creek	96
Ongivinuk Creek	97
Ongoke River	96
Osviak Creek	96
Osviak Creek	97
Pungokepuk Creek	95
Pungokepuk Creek	96
Pungokepuk Creek	97
Trail Creek	97

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