

***APPENDIX F.***

***ASDI 7***

Stock ID

# Alagnak (Branch) River Escapement ASL

2892

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*  
**Method:** Esc. ASL

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** Naknek/Kvichak District

**Site Selct Method:** Convenience

**Years Data Collected:** 1972 to current  
**Years with no data:** some missing years  
**Sampling Frequency** daily  
**Check if project is On-Going**

**WebSite:**

**DBFormat:** Unknown

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PAI

## Description

Adult salmon captured by beach seine or gill net near the Alagnak (Branch) River escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

Chinook and chum salmon samples collected from sport fishery.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	incidental
Sockeye		adult	anadromous	wild stock	target spec
Chum		adult	anadromous	wild stock	incidental

## Contacts:

Supervisor Lowell Fair Bristol Bay Research Proj  
 ADF&G Commercial Fisheries Anchorage AK

## Agencies asociated with this Data Set:

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
 333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

*Data are reported*    Annually

*Check if Meta Data are available:*   

*Check if Charge Money for Data:*   

***Data may be accessed as follows:***

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Data available via hardcopy

***References:***

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Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

## Bristol Bay Genetic Stock ID

2229

**Category:** Stock ID *Collecting tissue samples from salmon for genetic analysis.*

**Method:** Genetics

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** All Bristol Bay

**Site Selct Method:** Stratified

**Years Data Collected:** 1999 to 2004

**Years with no data:**

**Sampling Frequency** annually

**Check if project is On-Going**

**WebSite:** <http://www.cf.adfg.state.ak.us/geninfo/research/genetics/projects/sockeye/bri>

**DBFormat:** Unknown

**DataQuality** Good

**Sampling Location Shapefile:** unassigned

**Area of Inference**

**Monitoring Tier Assignment:** MT-3

**Line Geometry Shapefile:** unassigned

**Polygon Geometry Shapefile:** unassigned

**Description**

Genetic stock Id project using allozyme and microsatellite techniques. Baselines established from a number of locations in the Nushagak, Illiamna & Lake Clark (Kvichak), Naknek, Egegik, Ugashik drainages. Baselines are also taken from Russian systems (Kanchatka, Hapize & Kitilina)

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Sockeye		adult	anadromous	wild stock	target spec

**Contacts:**

Supervisor	Jim Seeb	Principal Geneticist	im_seeb@fishgame.state.ak.us
	ADF&G	Comm Fish - Gene Conservatio	Anchorage AK (907) 267-2385
Project Leader	Chris Habicht	Fish Geneticist	chris_habicht@fishgame.state.ak.us
	ADF&G	Comm Fish - Gene Conservatio	Anchorage AK (907) 267-2169

**Agencies asociated with this Data Set:**

Alaska Department of Fish & Game Comm Fish - Gene Conser (907) 267-2247  
333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
DISTRIBUTION	DT9	Spawning ground distribution
DIVERSITY	DV1	Genetic (population structure)

Data are kept at agcy.

*Data are reported*    Annually

*Check if Meta Data are available:*   

*Check if Charge Money for Data:*   

***Data may be accessed as follows:***

Special request via email or letter & provided electronically

Data available via hardcopy

***References:***

Habicht, C., J. Olsen, L. Fair & J. Seeb, 2004

Smaller effective population sizes evidenced by loss of microsatellite alleles in tributary-spawning populations of sockeye salmon from the Kvichak River, Alaska drainage. *Environmental Biology of Fishes* 69: 51–62, 2004. © 2004 Kluwer Academic Publishers. Printed in the Netherlands.

## Egegik District Commercial Harvest ASL

2888

**Category:** Stock ID *Sampling harvested salmon for age, sex & size/length (ASL) at docks, processing plants or tenders.*  
**Method:** Port ASL

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** Egegik District

**Site Selct Method:** Stratified

**Years Data Collected:** 1957 to current

**Years with no data:**

**Sampling Frequency** each fishing period

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Access

**DataQuality** Good

**Sampling Location Shapefile:** ComHrvst\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** ComHrvst\_LIA

**Polygon Geometry Shapefile:** ComHrvst\_PA1

**Description**

Adult salmon from commercial harvests in the Egegik District are sampled for age (scale), sex and size. Samples are generally taken for each commercial fishing period. Target sample sizes for sockeye and Chinook salmon are 600 fish per stratum and 400 fish per stratum for chum salmon. These goals were originally selected to insure that a sufficient sample would be collected, such that with repeated sampling each major age group in each stratum would be estimated within 5% of its true value 95% of the time (Cross & Stratton, 1988).

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	target spec
Sockeye		adult	anadromous	wild stock	target spec

**Contacts:**

Project Leader Lowell Fair Bristol Bay Research Projec  
 ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
 333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

*Data are reported*

*Check if Meta Data are available:*

*Check if Charge Money for Data:*

***Data may be accessed as follows:***

Special request via email or letter & provided electronically

***References:***

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

## Egegik River Escapement ASL

2330

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*

**Method:** Esc. ASL

**Anad. Water No.:** 322-10-10080

**Management Area:** Bristol Bay

**District:** Egegik District

**Site Selct Method:** Convenience

**Years Data Collected:** 1957 to current

**Years with no data:**

**Sampling Frequency** daily

**Check if project is On-Going**

### WebSite:

**DBFormat:** Unknown

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

### Area of Inference

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PA1

### Description

Adult salmon captured by beach seine near the Egegik Tower escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	incidental
Sockeye		adult	anadromous	wild stock	target spec
Chum		adult	anadromous	wild stock	incidental

### Contacts:

Supervisor Lowell Fair Bristol Bay Research Projec  
ADF&G Commercial Fisheries Anchorage AK

### Agencies asociated with this Data Set:

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage AK 99518

DDAP Category	ID	Objective
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.
Data are reported    Annually
Check if Meta Data are available: <input type="checkbox"/>
Check if Charge Money for Data: <input type="checkbox"/>

**Data may be accessed as follows:**

Special request via email or letter & provided electronically

**References:**

Cross, B., and B. Stratton. December 1988  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2  
Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

# Igushik River Escapement ASL

2408

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*

**Method:** Esc. ASL

**Anad. Water No.:** 325-10-10010

**Management Area:** Bristol Bay

**District:** Nushagak District

**Site Selct Method:** Convenience

**Years Data Collected:** 1963 to current

**Years with no data:**

**Sampling Frequency** daily

**Check if project is On-Going**

**WebSite:** <http://www.cf.adfg.state.ak.us/region2/finfish/salmon/bbayhome.php>

**DBFormat:** Unknown

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

**Monitoring Tier Assignment:** MT-1

**Area of Inference**

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PAI

**Description**

Adult salmon captured by beach seine near the Igushik Tower escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Sockeye		adult	anadromous	wild stock	target spec

**Contacts:**

Supervisor Lowell Fair Bristol Bay Research Proj  
ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.
Data are reported    Annually
Check if Meta Data are available: <input type="checkbox"/>
Check if Charge Money for Data: <input type="checkbox"/>

***Data may be accessed as follows:***

Data available via hardcopy

***References:***

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2

Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

# Kvichak River Escapement ASL

2487

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*

**Method:** Esc. ASL

**Anad. Water No.:** 324-10-10150

**Management Area:** Bristol Bay

**District:** Naknek/Kvichak District

**Site Selct Method:** Convenience

**Years Data Collected:** 1957 to current

**Years with no data:**

**Sampling Frequency** daily

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Excel Table

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PAI

**Description**

Adult salmon captured by beach seine near the Kvichak River Tower escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Sockeye		adult	anadromous	wild stock	target spec

**Contacts:**

Supervisor Lowell Fair Bristol Bay Research Projec  
ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

Data are reported Annually

Check if Meta Data are available:

Check if Charge Money for Data:

**Data may be accessed as follows:**

Data available via hardcopy

**References:**

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2

Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

## Lake Clark Sockeye Migration & Distribution

2906

**Category:** Stock ID *Telemetry technique for estimating abundance or identifying stocks using radio transmitters placed in fish.*  
**Method:** Radio Telem

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** Naknek/Kvichak District

**Site Selct Method:** Geographic features

**Years Data Collected:** 2000 to 2003

**Years with no data:**

**Sampling Frequency**

**Check if project is On-Going**

**WebSite:** [http://www.absc.usgs.gov/research/Fisheries/Lake\\_Clark/radio\\_telemetry.ht](http://www.absc.usgs.gov/research/Fisheries/Lake_Clark/radio_telemetry.ht)

**DBFormat:** Excel Table

**DataQuality:** Good

**Sampling Location Shapefile:** unassigned

**Area of Inference**

**Monitoring Tier Assignment:** MT-2

**Line Geometry Shapefile:** unassigned

**Polygon Geometry Shapefile:** unassigned

**Description**

Adult sockeye were captured with a seine (A) as they entered Lake Clark and radio-tagged (B) with an esophageal tag (n=20 in 1999, n=175 in 2000, n=157 in 2001). Six tags were deployed per day in 2000. Five tags were deployed per day in 2001; during migration peaks the number of fish tagged was doubled

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Sockeye		adult	anadromous	wild stock	target spec

**Contacts:**

Project Leader	Carol Ann Woody	Research Biologist	carol_woody@usgs.gov
	NPS	Alaska Science Center	Anchorage AK (907) 786-3314
Co-Leader	Dan Young	Graduate Student	
	NPS	Alaska Science Center	Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency	National Park Service	Alaska Science Center	
	1011 E. Tudor Rd.,	Anchorage	AK 99503 USA
Lead Agency	U. S. Geological Survey Biological ReBiological Research Divisic		
	4230 University Dri	Anchorage	AK 99508 USA
Lead Agency	Office of Subsistence Management		(907) 786-3864
	3601 C. Street, Suit	Anchorage	AK 99503 USA

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
ABUNDANCE	A5	Relative estimate (index) for adult spawners
DISTRIBUTION	DT9	Spawning ground distribution

Data are kept at agcy.

Data are reported

Check if Meta Data are available:

Check if Charge Money for Data:

**Data may be accessed as follows:**

Special request via email or letter & provided electronically

**References:**

Woody, C.A., K.M. Ramstad, D.B. Young, G.K. Sage & F

Lake Clark sockeye salmon population assessment. Submitted to U.S. Fish and Wildlife Service, Office of Subsistence Management, Fisheries Resource Monitoring Program. USGS-BRD Final Report No. FIS 00-042.

Young, D. B., 2004.

The migration and spawning distribution of sockeye salmon within Lake Clark, Alaska. Masters Thesis. University of Alaska Fairbanks, Fairbanks, Alaska. 82 pp.

# Naknek River Escapement ASL

2575

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*

**Method:** Esc. ASL

**Anad. Water No.:** 324-20-10140

**Management Area:** Bristol Bay

**District:** Naknek/Kvichak District

**Site Selct Method:** Convenience

**Years Data Collected:** 1958 to current

**Years with no data:**

**Sampling Frequency** daily

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Excel Table

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PA1

**Description**

Adult salmon captured by beach seine near the Naknek River Tower escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

Chinook and chum salmon as data from sport harvest.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	incidental
Sockeye		adult	anadromous	wild stock	target spec
Chum		adult	anadromous	wild stock	incidental

**Contacts:**

Supervisor Lowell Fair Bristol Bay Research Projec  
ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.
Data are reported    Annually
Check if Meta Data are available: <input type="checkbox"/>
Check if Charge Money for Data: <input type="checkbox"/>

***Data may be accessed as follows:***

Data available via hardcopy

***References:***

Cross, B., and B. Stratton. December 1988  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2  
Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

# Naknek/Kvichak Commercial Harvest ASL

2887

**Category:** Stock ID *Sampling harvested salmon for age, sex & size/length (ASL) at docks, processing plants or tenders.*  
**Method:** Port ASL

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** Naknek/Kvichak District

**Site Selct Method:** Stratified

**Years Data Collected:** 1957 to current

**Years with no data:**

**Sampling Frequency** by fishing period

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Excel Table

**DataQuality** Good

**Sampling Location Shapefile:** ComHrvst\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** ComHrvst\_LIA

**Polygon Geometry Shapefile:** ComHrvst\_PAI

**Description**

Adult salmon from commercial harvests in the Naknek / Kvichak District are sampled for age (scale), sex and size. Samples are generally taken for each commercial fishing period. Target sample sizes for sockeye and Chinook salmon are 600 fish per stratum and 400 fish per stratum for chum salmon. These goals were originally selected to insure that a sufficient sample would be collected, such that with repeated sampling each major age group in each stratum would be estimated within 5% of its true value 95% of the time (Cross & Stratton, 1988).

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	target spec
Sockeye		adult	anadromous	wild stock	target spec
Chum		adult	anadromous	wild stock	target spec

**Contacts:**

Project Leader Lowell Fair Bristol Bay Research Projec  
 ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
 333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

*Data are reported*

Check if Meta Data are available:

Check if Charge Money for Data:

***Data may be accessed as follows:***

Data available via hardcopy

***References:***

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

## Nushagak District Commercial Harvest ASL

2891

**Category:** Stock ID *Sampling harvested salmon for age, sex & size/length (ASL) at docks, processing plants or tenders.*  
**Method:** Port ASL

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** Nushagak District

**Site Selct Method:** Stratified

**Years Data Collected:** 1960 to current

**Years with no data:**

**Sampling Frequency** each fishing period

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Excel Table

**DataQuality** Good

**Sampling Location Shapefile:** ComHrvst\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** ComHrvst\_LIA

**Polygon Geometry Shapefile:** ComHrvst\_PAI

**Description**

Adult salmon from commercial harvests in the Nushagak District are sampled for age (scale), sex and size. Samples are generally taken for each commercial fishing period. Target sample sizes for sockeye and Chinook salmon are 600 fish per stratum and 400 fish per stratum for chum salmon. These goals were originally selected to insure that a sufficient sample would be collected, such that with repeated sampling each major age group in each stratum would be estimated within 5% of its true value 95% of the time (Cross & Stratton, 1988).

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	target spec
Sockeye		adult	anadromous	wild stock	target spec
Chum		adult	anadromous	wild stock	target spec

**Contacts:**

Project Leader Lowell Fair Bristol Bay Research Projec  
 ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
 333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

*Data are reported*    Annually

*Check if Meta Data are available:*   

*Check if Charge Money for Data:*   

***Data may be accessed as follows:***

Special request via email or letter & provided electronically

***References:***

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

# Nushagak River Escapement ASL

2608

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*

**Method:** Esc. ASL

**Anad. Water No.:** 325-30-10100

**Management Area:** Bristol Bay

**District:** Nushagak District

**Site Selct Method:** Convenience

**Years Data Collected:** 1963 to current

**Years with no data:**

**Sampling Frequency** daily

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Excel Table

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PAI

**Description**

Adult salmon captured by beach seine or gill net near the Nushagak River escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

From 1963 to 1980, Nushagak escapement samples were taken at the Nuyukuk tower site.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	target spec
Sockeye		adult	anadromous	wild stock	target spec
Chum		adult	anadromous	wild stock	target spec

**Contacts:**

Lowell Fair      Bristol Bay Research Projec  
ADF&G Commercial Fisheries      Anchorage      AK

**Agencies asociated with this Data Set:**

Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage      AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.
<i>Data are reported</i> Annually
<i>Check if Meta Data are available:</i> <input type="checkbox"/>
<i>Check if Charge Money for Data:</i> <input type="checkbox"/>

***Data may be accessed as follows:***

Data available via hardcopy

***References:***

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2

Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

## Togiak District Commercial Harvest ASL

2890

**Category:** Stock ID *Sampling harvested salmon for age, sex & size/length (ASL) at docks, processing plants or tenders.*  
**Method:** Port ASL

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** Togiak District

**Site Selct Method:** Stratified

**Years Data Collected:** 1963 to current

**Years with no data:**

**Sampling Frequency** each fishing period

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Access

**DataQuality** Good

**Sampling Location Shapefile:** ComHrvst\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** ComHrvst\_LIA

**Polygon Geometry Shapefile:** ComHrvst\_PA1

**Description**

Adult salmon from commercial harvests in the Togiak District are sampled for age (scale), sex and size. Samples are generally taken for each commercial fishing period. Target sample sizes for sockeye and Chinook salmon are 600 fish per stratum and 400 fish per stratum for chum salmon. These goals were originally selected to insure that a sufficient sample would be collected, such that with repeated sampling each major age group in each stratum would be estimated within 5% of its true value 95% of the time (Cross & Stratton, 1988).

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	target spec
Sockeye		adult	anadromous	wild stock	target spec
Chum		adult	anadromous	wild stock	target spec

**Contacts:**

Project Leader Lowell Fair Bristol Bay Research Projec  
 ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
 333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

*Data are reported*    Annually

*Check if Meta Data are available:*   

*Check if Charge Money for Data:*   

***Data may be accessed as follows:***

Special request via email or letter & provided electronically

***References:***

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

## Togiak River Escapement ASL

2784

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*

**Method:** Esc. ASL

**Anad. Water No.:** 326-00-10400

**Management Area:** Bristol Bay

**District:** Togiak District

**Site Selct Method:** Convenience

**Years Data Collected:** 1963 to current

**Years with no data:**

**Sampling Frequency** daily weekly

**Check if project is On-Going**

**WebSite:** <http://www.cf.adfg.state.ak.us/region2/finfish/salmon/bbayhome.php>

**DBFormat:** Unknown

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

**Monitoring Tier Assignment:** MT-1

### Area of Inference

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PAI

### Description

Adult salmon captured by beach seine or gill net near the Togiak River escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Sockeye		adult	anadromous	wild stock	target spec

### Contacts:

Supervisor Lowell Fair Bristol Bay Research Projec  
ADF&G Commercial Fisheries Anchorage AK

### Agencies asociated with this Data Set:

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage AK 99518

DDAP Category	ID	Objective
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

Data are reported Annually

Check if Meta Data are available:

Check if Charge Money for Data:

**Data may be accessed as follows:**

Data available via hardcopy

**References:**

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2

Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

## Ugashik District Commercial Harvest ASL

2889

**Category:** Stock ID *Sampling harvested salmon for age, sex & size/length (ASL) at docks, processing plants or tenders.*

**Method:** Port ASL

**Anad. Water No.:**

**Management Area:** Bristol Bay

**District:** Ugashik District

**Site Selct Method:** Stratified

**Years Data Collected:** 1958 to current

**Years with no data:**

**Sampling Frequency** each commercial fishing period

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Access

**DataQuality** Good

**Sampling Location Shapefile:** ComHrvst\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** ComHrvst\_LIA

**Polygon Geometry Shapefile:** ComHrvst\_PAI

**Description**

Adult salmon from commercial harvests in the Ugashik District are sampled for age (scale), sex and size. Samples are generally taken for each commercial fishing period. Target sample sizes for sockeye and Chinook salmon are 600 fish per stratum and 400 fish per stratum for chum salmon. These goals were originally selected to insure that a sufficient sample would be collected, such that with repeated sampling each major age group in each stratum would be estimated within 5% of its true value 95% of the time (Cross & Stratton, 1988).

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	target spec
Sockeye		adult	anadromous	wild stock	target spec

**Contacts:**

Project Leader Lowell Fair Bristol Bay Research Projec  
ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.

*Data are reported*    Annually

*Check if Meta Data are available:*   

*Check if Charge Money for Data:*   

***Data may be accessed as follows:***

Special request via email or letter & provided electronically

***References:***

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

# Ugashik River Escapement ASL

2808

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*

**Method:** Esc. ASL

**Anad. Water No.:** 322-10-10080

**Management Area:** Bristol Bay

**District:** Ugashik District

**Site Selct Method:** Geographic features

**Years Data Collected:** 1958 to current

**Years with no data:**

**Sampling Frequency** weekly

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Access

**DataQuality** Good

**Sampling Location Shapefile:** EscASL\_Loc

**Area of Inference**

**Monitoring Tier Assignment:** MT-1

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PA1

**Description**

Adult salmon captured by beach seine or gill net near the Ugashik River escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Chinook		adult	anadromous	wild stock	incidental
Sockeye		adult	anadromous	wild stock	target spec
Coho		adult	anadromous	wild stock	incidental
Chum		adult	anadromous	wild stock	incidental

**Contacts:**

Supervisor Lowell Fair Bristol Bay Research Projec  
ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

Lead Agency Alaska Department of Fish & Game Commercial Fisheries (907) 267-2104  
333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.
Data are reported    Annually
Check if Meta Data are available: <input type="checkbox"/>
Check if Charge Money for Data: <input type="checkbox"/>

**Data may be accessed as follows:**

Data available via hardcopy

**References:**

Cross, B., and B. Stratton. December 1988

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2

Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.

Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.

# Wood River Escapement ASL

2845

**Category:** Stock ID *Sampling adult salmon for age, sex and size/length (ASL) at or near spawning grounds.*  
**Method:** Esc. ASL

**Anad. Water No.:** 325-30-10100-2031

**Management Area:** Bristol Bay

**District:** Nushagak District

**Site Selct Method:** Convenience

**Years Data Collected:** 1960 to current

**Years with no data:**

**Sampling Frequency** daily

**Check if project is On-Going**

**WebSite:**

**DBFormat:** Access

**DataQuality** Good

**Monitoring Tier Assignment:** MT-1

**Sampling Location Shapefile:** EscASL\_Loc

**Area of Inference**

**Line Geometry Shapefile:** EscASL\_LIA

**Polygon Geometry Shapefile:** EscASL\_PAI

**Description**

Adult salmon captured by beach seine or gill net near the Wood River escapement enumeration site, are sampled for age (scale), sex and size. Samples goals for sockeye salmon are set at 200 fish per day, which in practice is typically only reached during the peak of the spawning migration (Cross. 1988). Ages are determined by examination of scales unless re-absorption is significant, then otoliths are aged. Scales are taken from an area two rows above the lateral line along a line from the posterior insertion of the dorsal fin and the anterior insertion of the anal fin. Scales are mounted on gum cards and impressions are made on cellulose acetate cards. Historic scale impressions are archived in Anchorage. Length measurements are to the nearest millimeter from the middle of the eye to the fork of the tail. Weights are taken to the nearest 0.1 Kg, and sex is determined by external characteristics.

<b>Species</b>	<b>Race</b>	<b>Life Stage</b>	<b>Form</b>	<b>Production</b>	<b>Target</b>
Sockeye		adult	anadromous	wild stock	target spec

**Contacts:**

**Supervisor** Lowell Fair Bristol Bay Research Projec  
 ADF&G Commercial Fisheries Anchorage AK

**Agencies asociated with this Data Set:**

**Lead Agency** Alaska Department of Fish & Game Comm Fish - Gene Conser (907) 267-2247  
 333 Raspberry Rd. Anchorage AK 99518

<b>DDAP Category</b>	<b>ID</b>	<b>Objective</b>
PRODUCTIVITY	P1	Size at age, growth
PRODUCTIVITY	P4	Age or size composition

Data are kept at agcy.  
Data are reported    Annually  
Check if Meta Data are available:      
Check if Charge Money for Data:   

**Data may be accessed as follows:**

Data available via hardcopy

**References:**

Cross, B., and B. Stratton. December 1988  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1987. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 88-18.

Stratton, B. and D. Crawford. June 1994.  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 1992. Alaska Department of Fish and Game, Commercial Fisheries, Juneau, Alaska. Technical Fishery Report 94-16..

Weiland, Morstad, Browning, Sands, Fair, & Crawford. 2  
Bristol Bay 2002 Annual Management Report, ADF&G, Commercial Fisheries, Anchorage. RIR No. 2A03-18.

West, Fred, W., 2003.  
Abundance, age, sex and size statistics for Pacific Salmon in Bristol Bay, 2002. Alaska Department of Fish and Game, Commercial Fisheries Division. RIR No. 2A03-23. Anchorage.