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State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

Region: Southcentral

USGS Quad(s): Seward D-2

Anadromous Waters Catalog Number of Waterway: 222-20-12643

Name of Waterway: Siwash Creek ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #: 100366

Revision Year: 2011

Revision to: Atlas ____ Catalog ____ Both X

Revision Code: [redacted] B-1, B-2

Fisheries Scientist	10/26/10 Date
Habitat Operations Manager	10/26/10 Date
AWC Project Biologist	26 Aug 16 Date
Cartographer	11/9/10 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chum	2008-2009	x			☑
Pink	2008-2009	x			☑
					☐
					☐
					☐

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Per personal observation from department employee, Steve Moffitt, Area Research Biologist in the Cordova office, there are both Chum and Pink spawning in this water body. No written data is available, just verbal acknowledgment.

Add Chum salmon spawning and Replace pink salmon present w/ spawning in stream

Name of Observer (please print): Steve Moffitt

Signature: [signature]

Date: 11/20/09

Agency: Alaska Department of Fish & Game

Address: PO Box 669
Cordova, AK 99574

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____

Name of Area Biologist (please print):

Revision 05/08

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	7/26/1963	1000	MOUTH	Noerenberg, W	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1963	9000	MOUTH	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1963	400	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/12/1963	3000	MOUTH	Noerenberg, W	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1963	4000	MOUTH	Noerenberg, W	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/12/1963	700	STREAM	Noerenberg, W	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1963	1100	STREAM	Noerenberg, W	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/17/1964	1000	MOUTH	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1964	300	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1964	1200	STREAM	Roys, Bob	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/6/1964	15000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1964	400	MOUTH	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/6/1964	500	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1964	4000	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1964	2100	STREAM	Noerenberg, W	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1964	3700	STREAM	Noerenberg, W	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1964	5000	MOUTH	Noerenberg, W	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1964	30000	MOUTH	Noerenberg, W	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/31/1964	20000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1965	200	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1965	20	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1965	20	STREAM	Roys, Bob	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/11/1965	100	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1965	300	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/26/1965	300	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/26/1965	1600	STREAM	Roys, Bob	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/6/1966	50	STREAM	Roys, Bob	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/19/1966	500	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1966	5000	MOUTH	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1966	1200	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1966	1500	MOUTH	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1966	100	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/9/1966	1600	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/9/1966	2000	MOUTH	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/26/1966	5500	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/26/1966	8000	BAY	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/27/1966	19000	STREAM	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/27/1966	1500	STREAM	Roys, Bob	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/24/1967	5000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1967	500	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1967	200	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1967	3000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/10/1967	100	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/10/1967	200	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/23/1967	1500	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1967	200	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/26/1968	1000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1968	750	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1968	500	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/12/1968	900	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1969	2000	MOUTH	Roys, Bob	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1969	100	MOUTH	Roys, Bob	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/9/1969	1000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1969	1900	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/21/1970	3500	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/27/1970	6000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/27/1970	1600	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1970	5600	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/10/1970	6000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1971	200	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1971	1000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1971	10000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1971	300	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1971	1000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/22/1972	1600	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/22/1972	400	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/3/1972	4000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1972	2000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1972	250	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1972	1000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1972	200	MOUTH	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/8/1972	4000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/8/1972	500	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/8/1972	6300	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/8/1972	550	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/25/1972	4200	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/25/1972	1000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1973	10	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1973	30	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/31/1973	10	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1973	100	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1973	2000	MOUTH	Fridgen, Pete	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1973	250	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1973	1200	STREAM	Fridgen, Pete	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/29/1973	4300	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/12/1973	2000	STREAM	Fridgen, Pete	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/22/1974	8800	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/22/1974	1000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/22/1974	2000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1974	15000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1974	1000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1974	4000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1974	46000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1974	500	BAY	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/12/1974	2500	BAY	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/12/1974	5000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1974	3500	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/3/1974	2500	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/3/1974	2600	BAY	Pirtle, Ralph	Other fixed-wing	Chum Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	7/30/1975	50	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/4/1975	100	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1975	100	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/4/1975	100	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1975	500	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/25/1975	1400	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/5/1975	100	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/5/1975	100	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/15/1976	2500	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/15/1976	500	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/23/1976	1500	BAY	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/23/1976	2000	MOUTH	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/23/1976	15000	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1976	500	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1976	9000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1976	3500	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1976	10000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/16/1976	14000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/16/1976	2500	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/16/1976	2500	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/16/1976	200	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/23/1976	2000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1976	10500	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1976	100	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/31/1976	13000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/10/1976	3500	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/20/1977	50	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1977	100	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/30/1977	6800	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/30/1977	2200	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1978	1000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1978	8200	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1978	100	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	7/26/1978	8000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1978	10000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1978	2000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1978	10000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1978	500	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/7/1978	2500	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1978	5000	BAY	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/7/1978	2500	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1978	5000	MOUTH	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/7/1978	12000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1978	1500	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/15/1978	5000	BAY	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/15/1978	500	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/15/1978	5000	MOUTH	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/15/1978	14000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1979	11000	BAY	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1979	3000	MOUTH	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1979	2500	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/22/1979	20000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/4/1979	700	STREAM	Pirtle, Ralph	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/4/1979	10000	STREAM	Pirtle, Ralph	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/14/1980	200	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/14/1980	100	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/21/1980	3500	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/21/1980	2200	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1980	200	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1980	1200	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1980	3800	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1980	1800	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1980	4200	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1980	700	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1980	900	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1980	9600	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/12/1980	3000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/4/1980	12000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/4/1980	2000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/20/1981	50	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1981	800	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1981	2000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1981	4000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1981	500	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1981	14000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/4/1981	5000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/4/1981	3000	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1981	1900	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/4/1981	100	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/22/1981	23000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/22/1981	5000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/22/1981	1000	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/2/1981	22500	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/7/1982	100	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/14/1982	100	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/21/1982	300	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/21/1982	800	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/21/1982	500	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/21/1982	2500	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1982	1500	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1982	3800	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1982	3000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1982	3000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1982	7000	BAY	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1982	6000	MOUTH	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1982	8000	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1982	5000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1982	3000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/20/1982	5000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/20/1982	5000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/20/1982	2000	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/20/1982	33000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/12/1983	10	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/20/1983	50	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1983	200	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/26/1983	200	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/26/1983	300	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1983	1000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1983	1000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/26/1983	100	BAY	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/2/1983	15000	BAY	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1983	10000	MOUTH	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1983	3000	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1983	4000	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/11/1983	6000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1983	3000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1983	3000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/16/1983	1000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/16/1983	2000	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/16/1983	5000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/16/1983	5000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/31/1983	6000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/31/1983	5000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/11/1984	800	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/11/1984	500	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1984	1500	BAY	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/17/1984	2000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1984	1500	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/17/1984	8000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1984	1000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/17/1984	8000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1984	3000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	7/24/1984	900	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/24/1984	3000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1984	8500	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1984	2000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/31/1984	6000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1984	2000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/31/1984	13000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1984	1500	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/7/1984	35000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1984	10000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1984	5000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1984	8000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1984	10000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1984	30000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1984	3000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/21/1984	2500	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1984	10000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1984	500	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/21/1984	53000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1984	1500	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/29/1984	5000	MOUTH	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/29/1984	9000	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/1/1985	20	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/1/1985	50	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/1/1985	400	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1985	4000	MOUTH	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1985	30	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1985	3000	BAY	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1985	500	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1985	6000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1985	2000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1985	9000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1985	500	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/23/1985	200	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1985	15000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/5/1985	10000	STREAM	Fridgen, Pete	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/16/1986	30	MOUTH	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/16/1986	50	STREAM	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1986	300	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1986	3000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1986	3000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1986	500	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/29/1986	1000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1986	200	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/29/1986	500	BAY	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/5/1986	1500	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/5/1986	5000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1986	2500	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1986	500	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/5/1986	1000	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/11/1986	3000	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1986	2000	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1986	1000	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/11/1986	7500	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1986	1200	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/19/1986	4500	MOUTH	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/19/1986	1500	STREAM	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/19/1986	500	BAY	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/19/1986	500	MOUTH	Randall, Rich	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/19/1986	17000	STREAM	Randall, Rich	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/29/1986	700	MOUTH	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/29/1986	14900	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/5/1986	7600	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/5/1986	200	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/16/1987	50	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1987	400	STREAM	Brady, James	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	7/29/1987	700	BAY	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1987	300	MOUTH	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1987	60	MOUTH	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1987	3000	MOUTH	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1987	600	STREAM	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1987	150	STREAM	Jackson, Mike	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/19/1987	3500	STREAM	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/19/1987	1250	STREAM	Jackson, Mike	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/19/1987	4800	MOUTH	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/27/1987	200	MOUTH	Jackson, Mike	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/27/1987	5200	STREAM	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/27/1987	1300	STREAM	Jackson, Mike	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/27/1987	800	MOUTH	Jackson, Mike	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/5/1987	2000	STREAM	Thompson, Mik	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/5/1987	600	STREAM	Thompson, Mik	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/20/1988	300	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/20/1988	100	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1988	600	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1988	300	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1988	100	BAY	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1988	1000	MOUTH	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1988	1500	BAY	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1988	400	STREAM	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1988	1000	STREAM	Schultz, Keith	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1988	1000	BAY	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/4/1988	800	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1988	500	MOUTH	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1988	7000	BAY	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/4/1988	500	MOUTH	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1988	500	MOUTH	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1988	500	MOUTH	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/12/1988	1000	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1988	4000	STREAM	Brady, James	Other fixed-wing	Chum Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/17/1988	3000	MOUTH	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1988	1000	MOUTH	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/17/1988	4400	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1988	4300	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/1/1988	100	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/8/1988	150	MOUTH	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/8/1988	3700	STREAM	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/14/1988	100	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/14/1988	800	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/13/1989	20	STREAM	Schultz, Keith	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/19/1989	100	MOUTH	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/19/1989	200	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/25/1989	100	MOUTH	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/25/1989	250	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1989	200	MOUTH	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1989	700	STREAM	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/9/1989	300	MOUTH	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/9/1989	710	STREAM	Schultz, Keith	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/9/1989	200	MOUTH	Schultz, Keith	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/9/1989	100	STREAM	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/15/1989	500	MOUTH	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/15/1989	1500	STREAM	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/15/1989	300	STREAM	Schultz, Keith	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/21/1989	150	MOUTH	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1989	3400	STREAM	Schultz, Keith	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/23/1990	1000	STREAM	Haley, Beth	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/31/1990	1100	STREAM	Morstad, Slim	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1990	100	BAY	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1990	500	MOUTH	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1990	1300	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1990	40	BAY	Haley, Beth	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1990	30	MOUTH	Haley, Beth	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1990	830	STREAM	Haley, Beth	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/13/1990	500	STREAM	Haley, Beth	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/13/1990	500	STREAM	Haley, Beth	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/15/1990	200	STREAM	Haley, Beth	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/15/1990	60	STREAM	Haley, Beth	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/15/1990	200	MOUTH	Haley, Beth	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1990	600	BAY	Morstad, Slim	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1990	300	MOUTH	Morstad, Slim	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1990	7600	STREAM	Morstad, Slim	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/21/1990	700	STREAM	Morstad, Slim	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/28/1990	2500	MOUTH	Haley, Beth	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/28/1990	4300	STREAM	Haley, Beth	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/7/1990	3300	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/7/1990	50	STREAM	Brady, James	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/11/1990	2500	STREAM	Brady, James	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/2/1991	1	STREAM	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1991	50	MOUTH	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1991	10	STREAM	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1991	10	MOUTH	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/8/1991	6	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/8/1991	20	MOUTH	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/8/1991	700	MOUTH	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/8/1991	90	BAY	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/8/1991	2	BAY	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/12/1991	400	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/18/1991	400	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1991	1010	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1991	300	MOUTH	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/26/1991	25000	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/26/1991	500	MOUTH	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/12/1991	4650	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1992	20	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/29/1992	77	STREAM	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1992	1000	STREAM	Unknown	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/7/1992	20	MOUTH	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/7/1992	420	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1992	320	MOUTH	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/10/1992	50	STREAM	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/10/1992	200	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1992	500	MOUTH	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1992	4600	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1992	200	STREAM	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/27/1992	500	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/27/1992	200	STREAM	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/1/1992	100	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/1/1992	300	STREAM	Unknown	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/11/1992	2500	STREAM	Unknown	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/11/1993	3	MOUTH	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/18/1993	6	STREAM	Simpson, Ellen	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/25/1993	10	STREAM	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/25/1993	100	STREAM	Donaldson, Wa	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/1/1993	500	STREAM	Morstad, Slim	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/1/1993	1000	STREAM	Morstad, Slim	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/1/1993	800	MOUTH	Morstad, Slim	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/1/1993	400	MOUTH	Morstad, Slim	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1993	75	STREAM	Simpson, Ellen	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/6/1993	100	STREAM	Simpson, Ellen	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1993	200	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1993	50	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/18/1993	725	STREAM	Simpson, Ellen	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/2/1993	2800	STREAM	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/2/1993	1600	STREAM	Donaldson, Wa	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/14/1993	4000	STREAM	Simpson, Ellen	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/23/1993	40	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/19/1994	60	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/19/1994	60	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/23/1994	200	STREAM	Morstad, Slim	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	7/23/1994	400	STREAM	Morstad, Slim	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1994	500	STREAM	Donaldson, Wa	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1994	2000	BAY	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1994	1000	MOUTH	Donaldson, Wa	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1994	200	STREAM	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1994	400	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/2/1994	5200	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1994	500	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1994	4500	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1994	11000	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1994	900	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1994	1200	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1994	1000	STREAM	Donaldson, Wa	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/23/1994	18000	STREAM	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1994	20	MOUTH	Donaldson, Wa	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/23/1994	500	MOUTH	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/30/1994	3000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/30/1994	14700	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/7/1994	1400	MOUTH	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/7/1994	3000	STREAM	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/13/1994	1500	STREAM	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/13/1994	300	STREAM	Donaldson, Wa	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/13/1994	10	MOUTH	Donaldson, Wa	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1995	2	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/25/1995	10	STREAM	Morstad, Slim	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/25/1995	30	STREAM	Morstad, Slim	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/2/1995	500	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/2/1995	400	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/7/1995	1000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1995	300	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1995	10000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/7/1995	400	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/11/1995	1000	BAY	Johnson, Jay	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/11/1995	500	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/11/1995	2000	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1995	2200	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1995	7000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/17/1995	3000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1995	1500	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1995	100	BAY	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/23/1995	100	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/28/1995	100	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/28/1995	1500	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/28/1995	300	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/14/1995	575	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/19/1996	1200	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/19/1996	400	MOUTH	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/19/1996	1900	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/27/1996	4000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/27/1996	7500	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/27/1996	1500	MOUTH	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/27/1996	6500	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/27/1996	3000	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/6/1996	7000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1996	15500	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/6/1996	2000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1996	9000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1996	29000	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/12/1996	4000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/19/1996	1000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/19/1996	27000	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/19/1996	3000	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/3/1996	1000	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/15/1997	200	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/22/1997	100	MOUTH	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/22/1997	100	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	7/24/1997	100	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1997	100	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1997	250	MOUTH	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/24/1997	300	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/24/1997	1300	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/1/1997	100	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/1/1997	100	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1997	2250	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1997	100	BAY	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1997	100	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1997	200	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/20/1997	1000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1997	1100	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1997	3800	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/28/1997	250	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/28/1997	3000	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/28/1997	200	MOUTH	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/28/1997	950	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/17/1997	5100	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1998	2500	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1998	800	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/17/1998	50	MOUTH	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/17/1998	30	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	7/28/1998	11000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1998	6000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1998	4000	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	7/28/1998	1000	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1998	7800	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1998	2000	STREAM	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1998	50	MOUTH	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1998	100	BAY	Sharp, Dan	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/3/1998	6000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/3/1998	4000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon

STREAM_CF_CODE	STREAM_CF_NAME	OBS_DATE	NUMBERS	SURVEY_SECTION_TYPE	OBSERVER	SURVEY_TYPE	SPECIES
222-20-00264	Siwash River	8/8/1998	300	MOUTH	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/8/1998	9000	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/8/1998	200	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/8/1998	2000	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1998	500	BAY	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1998	750	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	8/14/1998	3000	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1998	3000	BAY	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/14/1998	4500	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1998	3000	BAY	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1998	8000	MOUTH	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	8/20/1998	12000	STREAM	Sharp, Dan	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/3/1998	5000	STREAM	Johnson, Jay	Other fixed-wing	Chum Salmon
222-20-00264	Siwash River	9/3/1998	2000	MOUTH	Johnson, Jay	Other fixed-wing	Pink Salmon
222-20-00264	Siwash River	9/3/1998	15000	STREAM	Johnson, Jay	Other fixed-wing	Pink Salmon

Johnson, J D (DFG)

From: Moffitt, Steve D (DFG)
Sent: Friday, September 17, 2010 11:23 AM
To: Johnson, J D (DFG)
Cc: Brenner, Richard E (DFG)
Subject: RE: siwash

J,

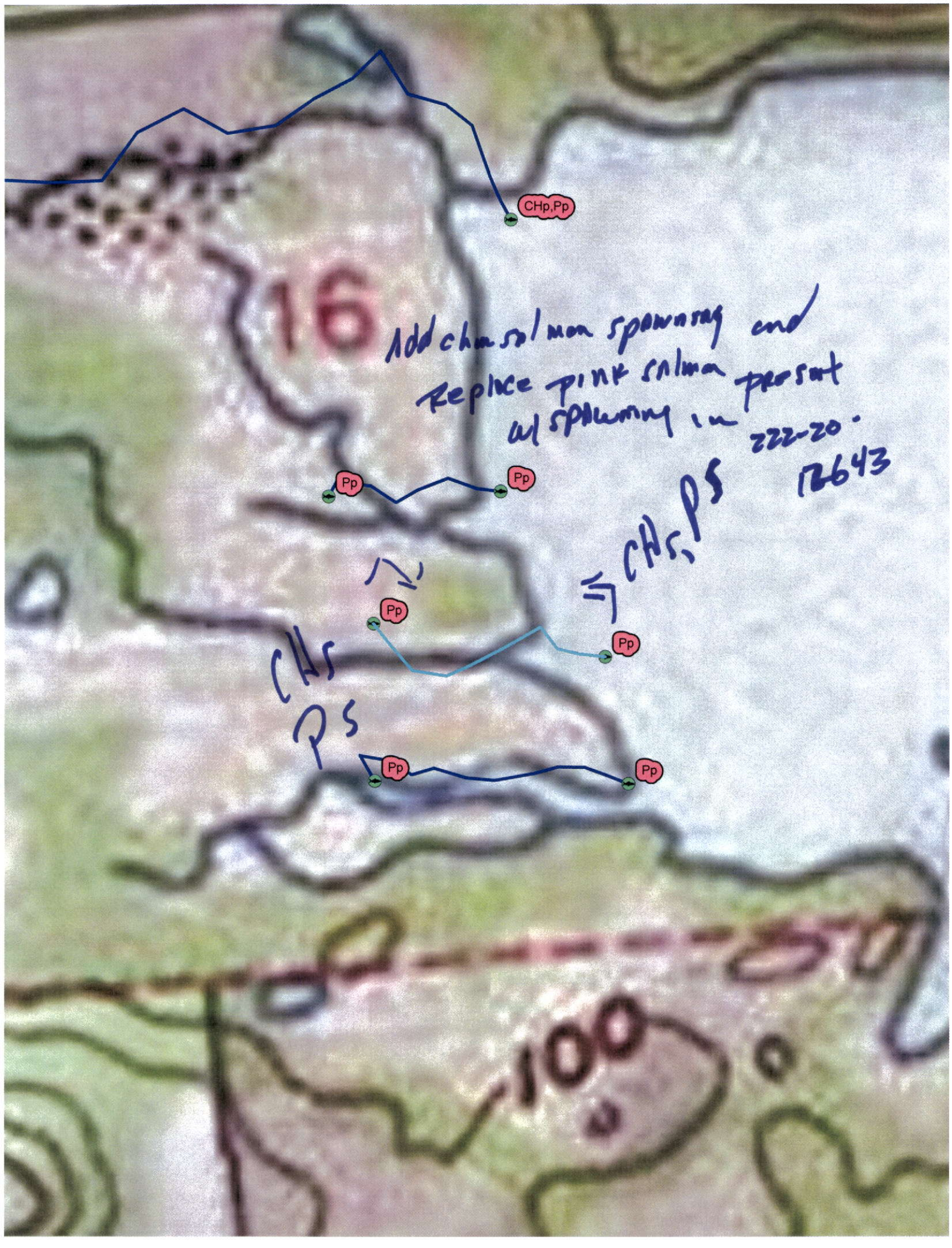
From my interpretation of the map you sent, pink and chum salmon spawning should extend to the extent of pink salmon present in the three shorter, southern streams (222-20-12642, 222-20-12643, and 222-20-12644). The longer, northern channel should have both pink and chum salmon spawning to just above the pool visible on the map, but I'm not sure about further upstream of that point.

Steve

From: Johnson, J D (DFG)
Sent: Monday, September 13, 2010 10:57 AM
To: Moffitt, Steve D (DFG)
Subject: siwash

Steve
Please take a look and let me know how far chum salmon are observed upstream in each and both listings for chum and pink salmon should be spawning and if spawning matches present extent.
Thx

J. Johnson
ADF&G
AWC Project Biologist
267-2337


CHp,Pp
16
Add chum salmon spawning and
Replace pink salmon present
w/ spawning in present
222-20.
12643
Pp
Pp
Pp
Pp
Pp
Pp
CHs
PS
CHs, PS
100