

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH
STREAM SURVEY SUMMARY

101-55-40
101-55-10400

STREAM Blossom River

LOC. Wilson Arm Boca De Quadra

MAP REF. Ketchikan B-2 LAT. 55° 28' N LONG. 130° 38' W
TRIBUTARY TO Wilson Arm Boca De Quadra MAIN DRAINAGE _____
ORIGIN Coast Range LENGTH 50 kilometers WATERSHED AREA _____

1. FLOW RANGE 20 - 2,000 cfs VELOCITY _____ AVG. WIDTH 50 feet AVG. DEPTH 2 feet
FLOOD HEIGHT 20 feet COLOR/TURBIDITY Clear

2. ACCESSIBILITY By boat or float plane to River mouth

3. ACCESS STATUS National Forest

4. SECTION SURVEYED Lower 10-15 kilometers
TRIBUTARIES many unnamed

5. BOTTOM TYPE Bedrock, boulders, gravel, sand STREAM GRADIENT Moderate %

6. POOLS - DESCRIPTION & FREQUENCY Frequent pools throughout

7. BARRIERS Only in headwaters

8. SPAWING AREA Excellent throughout

9. BANK COVER Alder, Spruce, Pucker Brush, Hemlock, Cedar

10. WATERSHED TYPE Mountain valley, no large lakes

11. FISH SPECIES SH DV Ct PS CS SS KS

12. FISHING HISTORY Unknown

13. FISHING INTENSITY Very Light

14. INVERTEBRATES _____
ABUNDANCE _____

15. AQUATIC VEGETATION _____

16. WATER USE _____

17. POLLUTION _____

18. REMARKS Reported but unconfirmed run of spring steelhead. Excellent salmon producer.

BY Jones

DATE 1977

(Chickamin)

ALASKA DEPARTMENT OF FISH AND GAME
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STREAM SURVEY SUMMARY

STREAM Blosson River

LOC. Behn Canal, Smeaton Bay

MAP REF. Ketchikan - B-2 LAT. N 55°23'7" LONG. W130°26'3"

TRIBUTARY TO Wilson River MAIN DRAINAGE _____

ORIGIN Cirque Lake, 4000' Adams Mtns. LENGTH 21 miles WATERSHED AREA 110 sq. miles

1. FLOW RANGE _____ cfs VELOCITY 1-3' AVG. WIDTH 60-90' AVG. DEPTH 2-5'
FLOOD HEIGHT _____ COLOR/TURBIDITY Tinged w/glacial silt, though clear.

2. ACCESSIBILITY By aircraft & boat from Ketchikan to the river mouth.

3. ACCESS STATUS No known trails except bear trails. Anchorage by skiff to forks.

4. SECTION SURVEYED 1.3 miles (SSR#305) to log jam - plus 8 miles above jam.
TRIBUTARIES _____

5. BOTTOM TYPE Silt, sand, little gravel 1st 2 miles BEAM GRADIENT 41° %

6. POOLS - DESCRIPTION & FREQUENCY See attached sh-et.

7. BARRIERS None to fish - log jam reported 1.3 miles upstream in early reports.

8. SPAWING AREA Limited 1st 1.3 miles. Most spawning observed 6 miles up.

9. BANK COVER _____

10. WATERSHED TYPE Snow, glacial precipitation fed.

11. FISH SPECIES All salmon but red, cutthroat, Dolly Varden, rainbow, steelhead.

12. FISHING HISTORY Unknown

13. FISHING INTENSITY Presently minimal while hunting waterfowl and goats.

14. INVERTEBRATES _____
ABUNDANCE _____

15. AQUATIC VEGETATION _____

16. WATER USE None

17. POLLUTION None

18. REMARKS Should be surveyed since data is from angler interviews.

BY Donald L. Siedelman

DATE July 19, 1974

32
55° 23.7 W 130° 26.3

WILSON RIVER, EAST FORK

K 34-1
No Previous No.

ETCHIKAN, BEHM CANAL, SMEATON BAY, WILSON ARM, *Blossom River* large tributary of Wilson River

MAJOR SPECIES Pink, chum, king, coho

OTHER SPECIES Trout

ESCAPEMENT TIMING Early. July-Aug.

ESCAPEMENT MAGNITUDE

SPAWNING FACILITIES Excellent and extensive. Accessible for over 14 miles. Beyond the slow current, deep water lower stream terminating at a large log jam 1.3 miles upstream, the river consists of alternating deep pools and broad riffles.

STREAM TEMPERATURES Cold range. Observed ranges: 44°-47°F., 1949; 44°-50°F., 1950; 44°F., 8/23/52.

VALLEY DESCRIPTION Glacial. Typical "U" shaped valley, timbered floor, numerous cirques and hanging valleys, running upstream 21 miles to cirque lake, 4,000'. High steep rock sides.

RAINAGE Greater than 110 square miles. Large snowfields and a number of small hanging glaciers in the upper valley. Water is usually tinged with glacial silt, though clear. Occasionally, the color is milky during increased glacial and snowfield run-off.

STREAM MOUTH IDENTIFICATION Deep hole at the confluence with the main Wilson River at the high tide mark. Glacial coloration of water evident downstream in the intertidal zone for some distance.

ANCHORAGE See Wilson River, K 34.

TRAILS AND SURVEY ROUTES The lower river is easily run by skiff to the log jam 1.3 miles upstream. Light skiffs have been taken over the log jam and run upstream for several miles. The river is accessible by skiff and outboard motor above the log jam for over 8 miles. No trails reported.

AERIAL SURVEY NOTES Usually surveyed from 8 air miles upstream where the pass from Keta River (K 24) joins river. Valley width sufficient for adequate light plane maneuvering. Stream course easily followed for aerial visibility. Caution advised in stream areas near S.E. side of valley during moderate to strong S.E. winds due to down-drafts.

UPSTREAM

LENGTH ACCESSIBLE >14 miles

AVERAGE WIDTH/DEPTH 60-90'/2-5'

GRADIENT AND VELOCITIES Less than 1° at 1-3' per second

BOTTOM Silt, sand, little gravel in first 2 miles. Sand and gravel above.

MARKER DISTANCE 1.3 miles.

MARKER IDENTIFICATION Log jam which prevents further skiff travel.

BARRIERS No barriers to salmon in first 14 miles of stream. Rapids above tributary entering from S.E. about 14 miles upstream may be a barrier. No salmon have been observed above the rapids in the few flights made that far.

TRIBUTARIES Numerous small tributaries along the valley are not important salmon spawning areas.

SPAWNING AREAS Throughout the first 1.3 miles of deep, slow current stream.

SPAWNING AREAS Very limited in first 1.3 miles of stream. Above, most riffles have been observed with some salmon spawning. King salmon usually are observed spawning above the 6 mile mark. During 1949 when the only large escapement was observed in the stream the heaviest spawning concentrations were observed above the six mile mark.

GENERAL NOTES This stream is best surveyed by air. The difficulties and distance to the spawning areas makes ground surveys impractical unless a passage through the log jam can be made.



181-22

WILSON RIVER

K 34

Wilson River
K.M.A.

101-32

BLOSSOM

WILSON RIVER, EAST FORK

K 34-
No Previous No

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED		PINK		CHUM		OTHER SPECIES	REMARKS
	Miles	By	Live	Dead	Live	Dead	Live	Adjective Rating
1949								
Aug 6	G 1.3	FRI	15,500	70	1	0		
Aug 19	G 1.3	FRI	2,000	1,000	3			
Sep 1	G 1.3	FRI	<1,000	90	0	0		
Sep 11	G 1.3	FRI	400	200	100		50 coho	
Sep 26	G 1.3	FRI	100		500		1,000 coho	
1950								
July 30	G 1.3	FRI	6,000					
Aug 8	G 1.3	FRI	5,000	10				
Aug 18	G 1.3	FRI	3,000					
Aug 30	G 1.3	FRI	300	200	100	0		
Sep 11	G 1.3	FRI	200					Chum and coho in pools
Sep 30	G 1.3	FRI	0		3,000			
1951								
July 22	G 1.3	FRI	5,000					
July 25	A >10.0	FRI	8,000					
July 29	A >10.0	FRI	30,000					
July 30	G 1.3	FRI	7,000		60			
Aug 8	G 1.3	FRI	10,000		15			
Aug 18	G 1.3	FRI	1,000					Very few dead pink
Aug 30	G 1.3	FRI	75	300	10			Some dead chum
Sep 14	G 1.3	FRI			650		500 coho	Very few dead
1952								
July 16	A 5.0	FRI						None observed
July 21	G 1.3	FRI	2,650	0	300	0	Few king	
July 23	G 1.3	FRI	200		1			
July 29	G 1.3	FRI	6,900		50			
Aug 8	G 1.3	FRI	2,050	0	120	20		
Sep 23	A 4.0	FRI						None observed
Oct 5	A 6.0	FRI			3,500	1,000		
1953								
Aug 19	G 1.3	FRI	90		6			
Sep 30	G 1.3	FRI	450		70		2 king	
Oct 5	A 6.0	FRI			3,500			1,000 dead fish
1954								
Aug 3	A 3.0	FRI			300			
Aug 12	A 3.0	FRI	500					
Aug 23	A 3.0	FRI	400					
Sep 3	A 5.0	FRI	0					
1955								
July 31	A 12.0	FRI	0		0			
1956								
July 22	A 10.0	FRI	0		0			
July 31	A 10.0	FRI	0		0			Some king >6 miles upstream
Aug 13	A 10.0	FRI	3,000				500 king	
1957								
July 28	A 10.0	FRI	100		100		100 king	
Aug 10	A 10.0	FRI					Some king	300 fish. Visibility good
Aug 19	A 10.0	FRI	300				100 king	
Sep 1	A 10.0	FRI	0		0		2 king	