

103-90-10720

103-90-072

Tokeen Creek

6/4/79 14:40

Walker

Overcast, tide receding

Air: 55°F

Water: 52°F, pH 7.0,

brown

flow est 35 cfs,

normal

975' (297 m)

450' (137 m)

Width 40' (Estimated due to density of windthrow over stream)

50% cobble

50% gravel

Appears to be good spawning conditions, walking conditions extremely difficult

Gradient 2°

Bearing 005°

525' (160 m)

250' (76 m)

Width 80'

20% cobble

80% gravel

Silt covered

slow riffles throughout

ASA fair, would improve if silt was flushed out

Good rearing area

Gradient 1°

Bearing 20°

275' (84 m)

ITZ

275' (84 m)

Width 80'

Slow riffles throughout

100% gravel

100% ASA, good, loose gravel some siltation

20' flood plain  
20° gradient  
beyond

Excellent rehabilitation project

Rearing coho under debris

100'+  
30°

ASA Spawning Area

275' x 80' x 100% = 2020 m

250' x 80' x 100% = 1837 m

450' x 40' x 100% = 1653 m

400' x 25' x 30% = 275 m

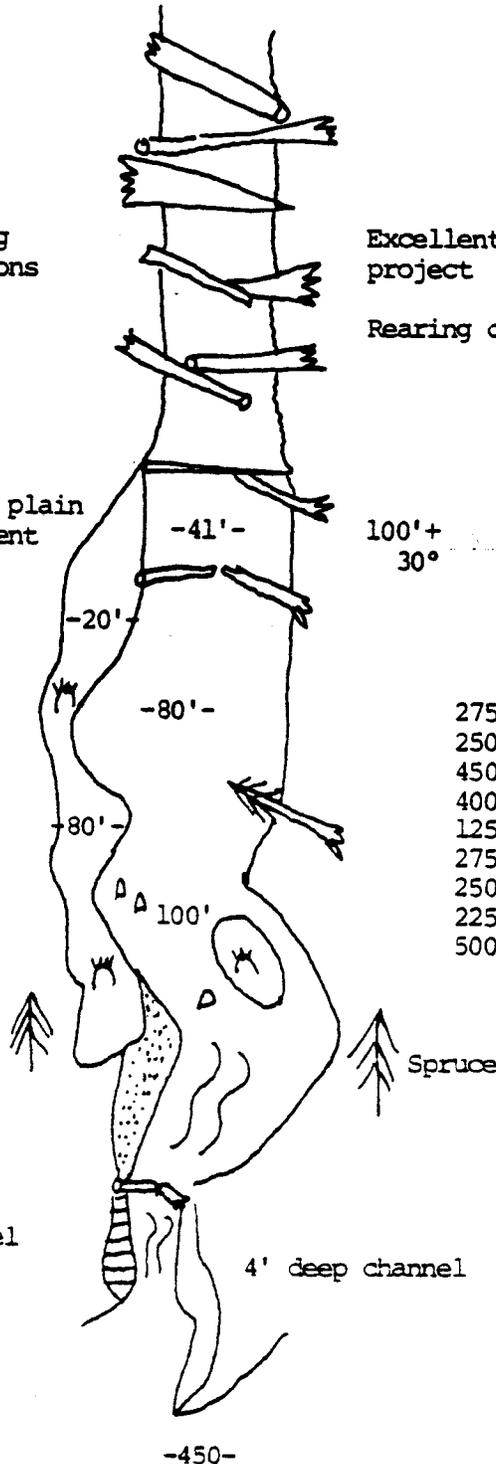
125' x 25' x 80% = 230 m

275' x 40' x 50% = 505 m

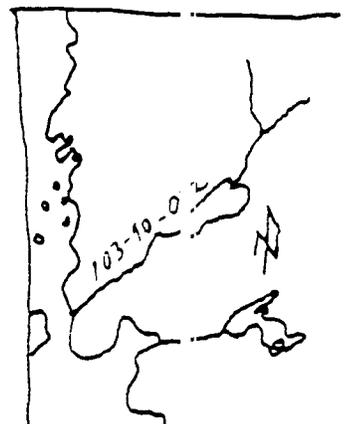
250' x 35' x 40% = 321 m

225' x 60' x 60% = 724 m

500' x 35' x 20% = 321 m



Petersburg A-5



103-90-072

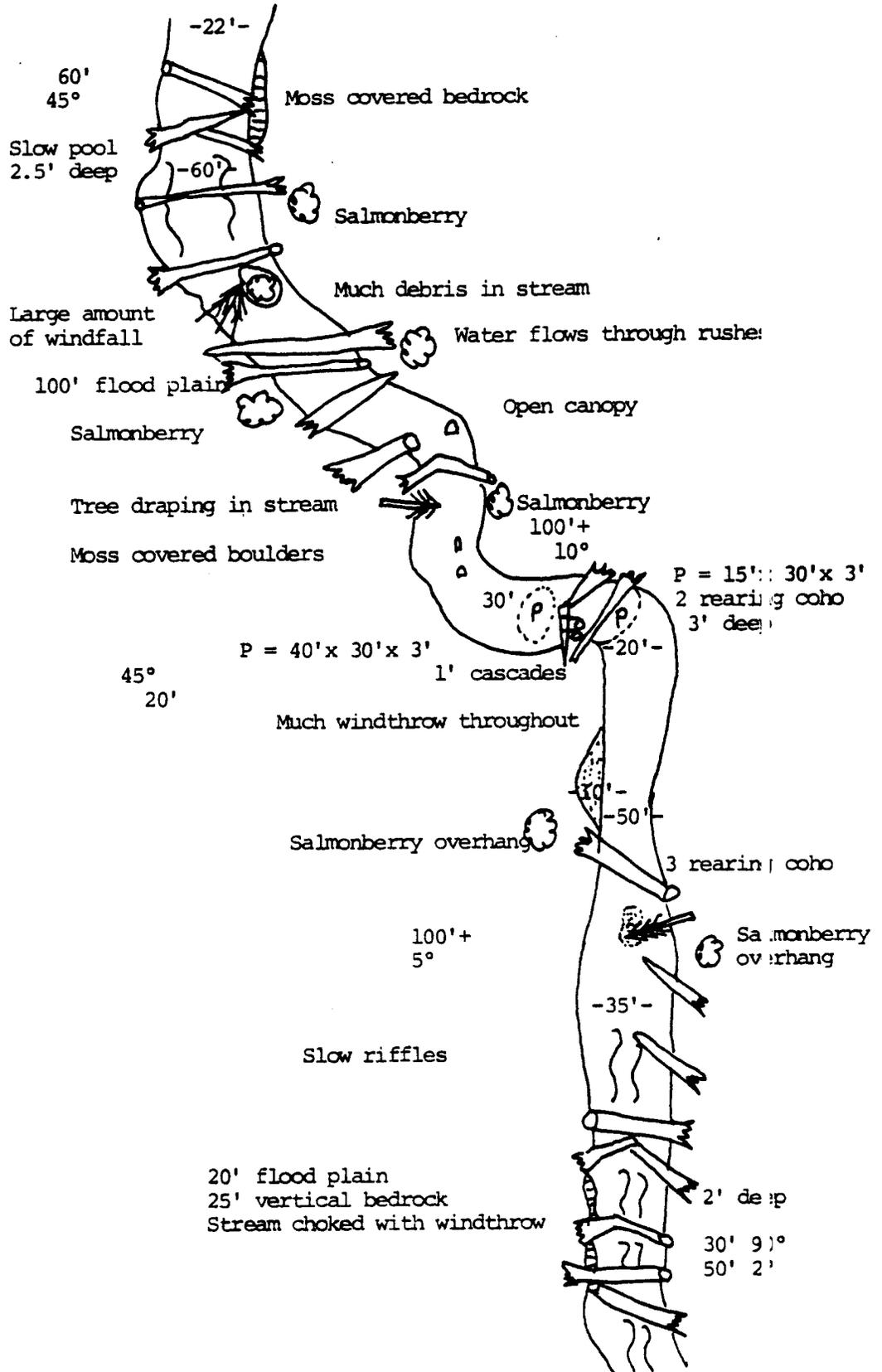
Stream exiting lake



2025' (617 m)  
 250' (76 m)  
 Width 35'  
 Boulder 20%  
 Cobble 60%  
 Gravel 20%  
 p/r 40/60  
 ASA 40%, good  
 Rearing good  
 Bearing 350°  
 1775' (541 m)  
 275' (84 m)  
 Width 40'  
 Boulder 10%  
 Cobble 80%  
 Gravel 10%  
 p/r 10/90  
 ASA 50%, fair

Gradient 3°  
 Bearing 310°  
 1500' (457 m)  
 125' (38 m)  
 Width 25'  
 10% boulder  
 70% cobble  
 20% gravel  
 p/r 10/90  
 ASA 80%, good  
 Rearing fair  
 1375' (419 m)  
 400' (122 m)  
 Width 25'  
 5% boulder  
 50% cobble  
 45% gravel  
 p/r 60/40  
 ASA 30%, good  
 Rearing good

Gradient 2°  
 Bearing 70°



3050' (931 m)  
300' (92 m)  
Width 30'  
Bedrock 40%  
Boulder 30%  
Cobble 20%  
Gravel 10%  
Pool/riffle 15/85  
ASA 0%  
Rearing fair

2' cascades

Spruce, hemlock

Large blowdown  
water under debris

Devil's club

Skunk cabbage

Moss covered boulder

3' cascades

80'+  
5°  
90° 20'

15' flood plain

Much debris in  
stream and along  
banks

14' falls 100'+  
20°

Salmonberry

Gradient 8°  
Bearing 222.5°

2750' (839 m)  
500' (153 m)  
Width 35'

Draping in stream  
150'  
Bearing 125°

Bedrock 15%  
Boulder 30%  
Cobble 40%  
Gravel 15%  
p/r 10/90  
ASA 20%, poor  
Rearing good

P = 30'x 20'x 3'

P = 30'x 35'x 2'  
40' 90°

Moderate conc'y

Water under debris

Exposed bedrock  
Mass wasting

Moss covered  
Much windthrow

P = 45'x 20'x 4'

200'  
Bearing 30°

45° 100'

100'  
50°

Slow riffles

35'

1.5' deep

Silted in channel

150'

Gradient 3°

2250' (686 m)  
225' (69 m)  
Width 60'

40°

100'+  
15°

Boulder 20%  
Cobble 60%  
Gravel 20%  
p/r 30/70  
ASA 60%, poor, insilted  
Gradient 2°  
Bearing 15°

Trees draping in stream

60'  
20°

100'  
45°

85'

Moss covered boulders

103-90-10720

Name: Tokeen Creek  
Latitude: 56 00 ~~38~~ N 35"  
Longitude: 133 22 ~~28~~ W 24"  
Geodetic Map No: Petersburg A-5  
Location: On entering Tokeen Bay  
second creek on east side.

Catalog No: 103-90-072  
Former Stream No: WC67 and 25, ADF&S  
156H and FWS 28A  
Work Area: Ketchikan  
Watershed Length: 4.6 miles with lakes  
Drainage Area: 2.32 square miles  
Water Supply Type: Lakes and surface run-  
off.

Trails & Survey Routes: Difficult walking over massive blowdown; generally  
difficult throughout.

Aerial Survey Notes: Stream totally obscured by blowdown; moderate canopy  
throughout.

Anchorage: Tokeen Bay 0.5 miles east from north point in 14-16 fathoms, mid  
channel.

Tide Stage when Surveyed: Receding tide

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area):  
Rearing coho present; pink and chum, and to a lesser degree red salmon have  
historically utilized stream. Alaska Fisheries Atlas lists this as a  
sockeye and chum salmon stream.

ASA Spawning area = 9906 m<sup>2</sup>  
Schooling Areas: \_\_\_\_\_

Spawning Areas: Good spawning condition to point 2000' upstream, fair to  
poor from that point.

SHELLFISH POTENTIAL: None noted.

SPORT FISHERIES: No sport fish species noted. Alaska Fisheries Atlas list  
this stream as an overwintering area for Dolly Varden trout.

LAND USE (history, present, proposed): Appears in natural state.

REHABILITATION POTENTIAL: Massive blowdown from 525' to 975' upstream;  
obstruction in narrow mouth; much blowdown in all upstream areas.

SOILS: Appears unstable with massive areas of blowdown

GAME RESOURCES (species, use, habitat): None noted.

## PEAK ESCAPEMENT RECORD

103-90-72 Tokeen Bay - E. shore (Davidson Inlet)

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9/18/41	22,000	500	200 coho	Excellent
9/20/42	8,000	500	1,000 coho	Good
9/24/43	12,000	3,000		Excellent. 5,000 at mouth
9/21/44	55,000	25,000		Excellent. 15,000 at mouth
9/17/45	250,000	8,000		Excellent. 70,000-170,000 at mouth
10/13/46	125,000	20,000		Excellent
10/13/47	40,000	15,000		Excellent
10/3/48	50,000	35,000		Excellent
9/26/49	10,650	3,570		
10/5/50	850 (11,000 dead)	24 (950 dead)		
9/15/51	33,000	1,200 (3 dead)		5,000 off mouth
9/16/52	3,200 (8 dead)			
10/1/52		1,100		Many chum, some pink dead.
9/19/53	178	2,011 (70 dead)		Many chum, pink in upper bay.
9/25/54	7,000	1,200		Many dead chum, pink.
9/23/55		500 (970 dead)		2,000 chum, pink at mouth.
9/28/56	12,000	5,000 (2,000+ dead)		30,000 chum, pink; 5,000 dogs at mouth. 5,000 chum above marker.
Season '57	5,400	15,000	800 reds	
9/4/58	150			
Season '59	7,000	10,000		
8/31/60	4,100			
9/24/60		4,000		
8/26/51	10,070	None seen		
10/4/62	4,000	"		

## PEAK ESCAPEMENT RECORD

103-90-72 Tokeen Bay - E. Shore (Davidson Inlet)

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8/10/63	550	None seen		
1964	None seen	"		
8/17/65	1,000	"		
8/23/66	46,000	"		
8/21/67	1,030	470		
8/27/68	9,000	None seen		
8/16/69	1,300	"		
1970	None seen	"		
8/26/71	10,000	"		
9/5/72	14,900	"		
8/8/73	1	"		
9/3/74	1,000	"		
8/13/75	1,000	"		
9/2/76	20,000	"		
8/30/77	40,000			
8/16/78	20,003			
8/17/79	13,400			
8/20/80	10,003			

Tide: ebb  
 Weather: overcast, rain  
 Air: 55°F  
 Water 54°F, 7.0 pH, dark brown  
 7 cfs, normal flow  
 Pool/riffle 35/65

103-90-073  
 6/4/79 PM  
 Thayer, Berg  
 Tokeen Bay  
 Open canopy - hemlock and cedar  
 ASA 25%  
 Fair rearing

