

103-90-27

riffles

stable moss
cutbanks
ferns

20% slope

vertical bedrock for 10'
20% slope beyond

12' x 8" pool

(1052m)
3471'

more stable banks
in the area with
quality of water increasing
with less brown tint & silt

devilsclub

20 coho fry
observed

7' x 3" rearing pool

3' riffles

blueberry & devilsclub

cut/angular large iron
deposits in substrate:
80% bedrock/boulder
10% cobbles
10% fine gravel
0% ASA

75% slope for 6'
20% beyond

10' x 12" pool
dense blueberry

stream here
is profusely
littered
with boulders

steep bedrock banks and
bedrock channel throughout
this section

average stream width 8'

49.1m
140°
2%

excellent rearing
through this section
with poor spawning
potential

12' x 6" pool
25 coho fry rearing

(1002m)
3307'

bedrock out-
crop

average stream width 35'

gravel moderately
silty

25' x 7" pool
salmon bones
on log

substrate:
30% boulders
20% cobbles
50% gravel

66.4m
110°
2%

90/10 pool/
riffle

25' riffle area

10' x 219' x 25' = 50.3m² ASA

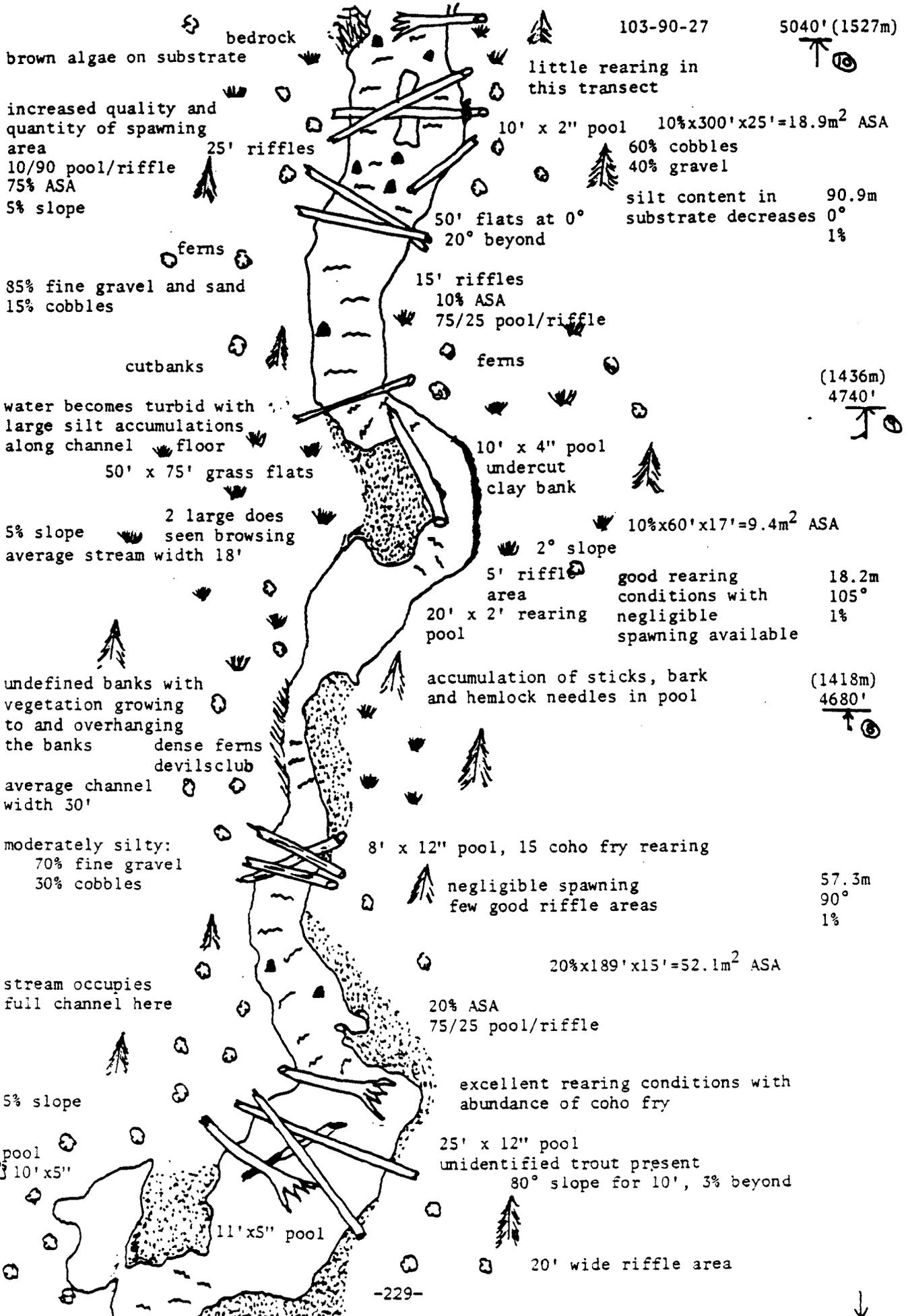
4 cfs
cascade over boulders throughout section

5% slope

20% slope

young
hemlocks
growing
on blowdown

45' wide dense enteromorpha



103-90-27

5040' (1527m)

bedrock
brown algae on substrate

little rearing in this transect

increased quality and quantity of spawning area
10/90 pool/riffle
75% ASA
5% slope

10' x 2" pool 10'x300'x25'=18.9m² ASA
60% cobbles
40% gravel

silt content in 90.9m substrate decreases 0° 1%

25' riffles

50' flats at 0°
20° beyond

85% fine gravel and sand
15% cobbles

15' riffles
10% ASA
75/25 pool/riffle

cutbanks

ferns

(1436m)
4740'

water becomes turbid with large silt accumulations along channel floor

10' x 4" pool undercut clay bank

5% slope
2 large does seen browsing
average stream width 18'

10'x60'x17'=9.4m² ASA

2° slope

5' riffle area
20' x 2' rearing pool

good rearing conditions with negligible spawning available
18.2m
105°
1%

undefined banks with vegetation growing to and overhanging the banks
dense ferns
devilsclub
average channel width 30'

accumulation of sticks, bark and hemlock needles in pool

(1418m)
4680'

moderately silty:
70% fine gravel
30% cobbles

8' x 12" pool, 15 coho fry rearing

negligible spawning
few good riffle areas

57.3m
90°
1%

20'x189'x15'=52.1m² ASA

stream occupies full channel here

20% ASA
75/25 pool/riffle

5% slope

excellent rearing conditions with abundance of coho fry

pool
10'x5"

25' x 12" pool
unidentified trout present
80° slope for 10', 3% beyond

11'x5" pool

20' wide riffle area

103-90-27

(1642m)
5418'

70% ASA
10/90 pool/riffle
little rearing

70'x120'x10'=77.1m² ASA

10' riffles

4' x 2"
pool

15% sloped bank

10' riffles

ferns 40% cobbles
50% fine gravel
10% small boulders
15' x 8" pool
small quantity of silt
in substrate
10% sloped banks
50 coho fry seen
in rearing pools

36.4m
100°
2%

excellent spawning
substrate and riffles
95% bedrock/boulder
5% cobble/coarse gravel

(1605m)
5298'

8' x 4" pool

6' x 4" pool with 15 coho for rearing

20/80 pool/riffle
0% ASA

31.8m
45°
3%

dense
ferns

average stream width 15'

80° banks for 15'
5° beyond

5° slope

20' riffles

boulder cascade for 10'
above falls

10' high falls with bedrock
base, 30' wide with 10% gradient

(1574m)
5193'

stream is well-shaded
throughout the survey

predominant boulder/
bedrock substrate
throughout

46.4m
105°
3%

average width of stream 19'

8' x 8" pool

10/90 pool/riffle
0% ASA 30% sloped bank

10' riffles

vertical banks for 30'
5% beyond for 300'+

moss covered bedrock banks

90% bedrock/boulder
10% cut/angular cobbles

bedrock and cut/angular cobble
bank

PEAK ESCAPEMENT RECORD

103-90-27 Gutchi Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9/11/41	6,000	200	300 coho	Good
9/16/42	40,000	18,000	1,500 coho	Excellent
9/28/43	30,000	5,000		Excellent
10/17/44	3,000	450		Poor
9/22/45	35,000	1,600		Excellent
10/14/46	10,000			Poor
10/2/47				Water discolored. Spawning poor.
9/26/48	Fair	Few		
9/26/49	10,000 (657 dead)	3,000 (571 dead)		
9/11/56	700	150		10,000 pinks at mouth
9/4/60	12,500	1,000	None seen	
9/27/61	2,300	1,900	None seen	
1962	None seen	None seen	None seen	
8/12/63	200	None seen	None seen	
1964	None seen	None seen	None seen	
9/1/65	1,200	None seen	None seen	
8/11/66	1,500	None seen	None seen	
1967	None seen	None seen	None seen	
1968				No survey
8/17/69	503	None seen	None seen	
9/1/70	5,000	None seen	None seen	
8/31/71	13,000	None seen	None seen	
8/27/72	33,000			