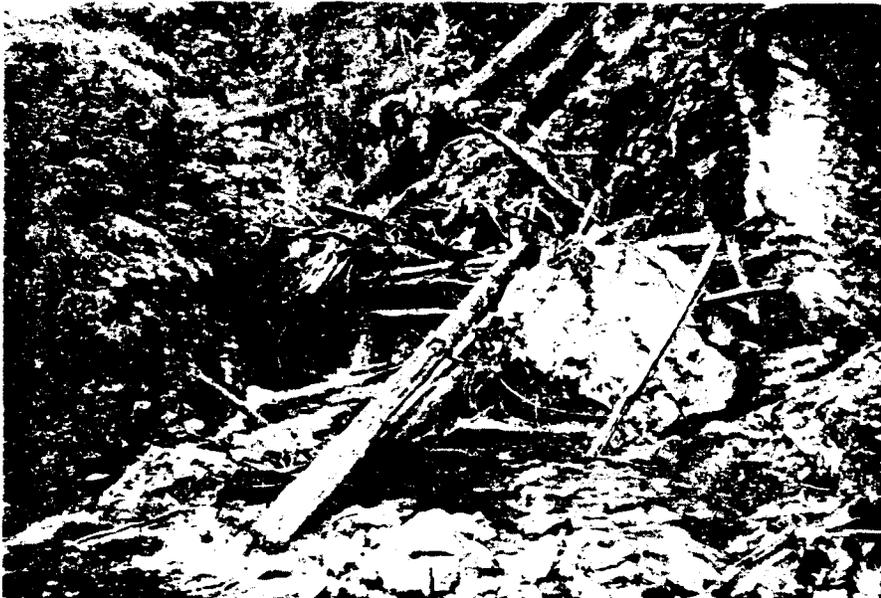




103-90-061
Barrier Falls



103-90-061
Debris Jam

103-90-10590

Name: Edna Bay Catalog No: 103-90-059
Latitude: 55 58 00 N 14 Former Stream No: FRI #4 and #29C, FWS
Longitude: 133 38 10 W 37' 53" #29C, ADF stat #WC74, previous #4, ADF
Geodetic Map No: Craig D-5 Work Area: Ketchikan #152A
Location: Head of Edna Bay Watershed Length: 0.5 miles
Drainage Area: 0.3 square miles
Water Supply Type: Runoff from mountain through forested area.

Trails & Survey Routes: Lower sections easily hiked, but blowdowns in upper stream causes some difficulty; dense vegetation in upper stream on banks.

Aerial Survey Notes: Canopy moderately covers channel. Aerial surveys will be difficult.

Anchorage: Large tideflat prevents anchorage near stream at low tide. 1/4 mile from stream on west shore and 3/4 miles from stream on east shore; possible anchor.
Tide Stage when Surveyed: one-half flood age.

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area):
Good escapement data on record; no coho fry observed during survey; negligible rearing facilities; coho, pink and chum are historical species using the stream.

Spawning area = 626.6 m² ASA (546.8 m² in Intertidal Zone).
Schooling Areas: Limited schooling due to extensive tideflat in immediate stream outlet area.

Spawning Areas: Majority in intertidal zone reduces drastically upstream with increased silt depositions and blowdown and organic debris jams.

SHELLFISH POTENTIAL: Clams and crabs shells observed on beach, excellent habitat in tideflats for both.

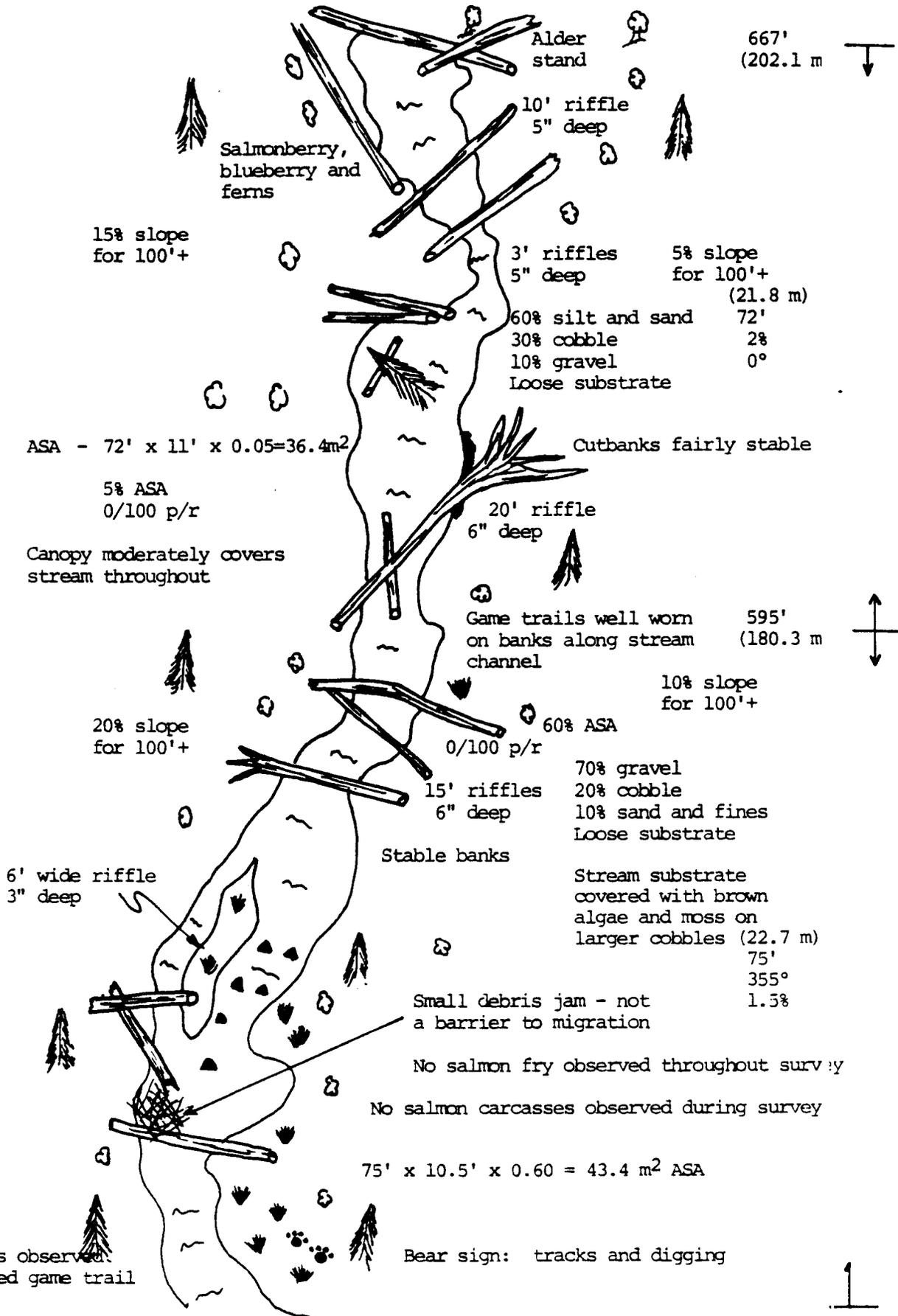
SPORT FISHERIES: Limited due to small size of stream. No trout fry or adults observed during the survey.

LAND USE (history, present, proposed): Presently in a natural state, but 2 miles to the east is a clearcut area and logging road and boom.

REHABILITATION POTENTIAL: None necessary.

SOILS: Generally stable throughout.

GAME RESOURCES (species, use, habitat): Game trails along stream channel and banks. One large adult black bear observed on the beach near mouth of stream. Droppings and skunk cabbage digging suggest abundance of black bears in area. Several bald eagles observed; also game trails contained numerous sets of deer tracks. Waterfowl off mouth of stream, unidentified.



667' (202.1 m)

Alder stand

10' riffle 5" deep

Salmonberry, blueberry and ferns

15% slope for 100'+

3' riffles 5" deep

5% slope for 100'+ (21.8 m)

60% silt and sand 30% cobble 10% gravel Loose substrate

72'

ASA - 72' x 11' x 0.05 = 36.4m²

5% ASA 0/100 p/r

Canopy moderately covers stream throughout

20' riffle 6" deep

Cutbanks fairly stable

595' (180.3 m)

Game trails well worn on banks along stream channel

10% slope for 100'+

20% slope for 100'+

60% ASA 0/100 p/r

15' riffles 6" deep

70% gravel 20% cobble 10% sand and fines Loose substrate

6' wide riffle 3" deep

Stable banks

Stream substrate covered with brown algae and moss on larger cobbles (22.7 m) 75' 355° 1.5%

Small debris jam - not a barrier to migration

No salmon fry observed throughout survey

No salmon carcasses observed during survey

75' x 10.5' x 0.60 = 43.4 m² ASA

Deer tracks observed on well used game trail

Bear sign: tracks and digging