

SITE INFORMATION

Site Identifier :	SK15LB3	Landowner Type :	Private
Site Name :	Marblegate Slough	Landowner Name :	
WRIA :	03.0176X	Address :	
Region :	NS	Address2 :	
Trib to :	Skagit R	City :	
River Mile :	76.70	State :	
River System :	Skagit R	Zipcode :	
Legal Description :	NW1/4S13T35NR10E	Phone :	
County :	Skagit	Coordinates	
Habitat Type :	overflow channel	East:	1,769,094.89
		North:	1,165,305.95

Directions :

Take highway 20 to Rockport, turn right onto highway 530 and cross the Skagit river, turn left on the Rockport-Cascade road and follow eight miles to where the road goes up hill. The upper end of the site is located just downstream of the big eddy.

Area Overview :

This site is an old river channel that the river floods every five years or so. Adult and juvenile coho use the site to a moderate extent when the river gets high enough to backwater the lower end.

Field Survey Information

Date : 1/23/95 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

Water Source: () Spring () Groundwater () Surface runoff

Flow: () Intermittent () Year-round

Estimated Flows (cfs): Lower end: 0.1
Upper end: 0

Water Temperature(C): Lower end:8
Upper end:

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: () Indirect () Direct () Combination
 Widths: Channel:10 Ponds:35 Wetlands:
 Depths: Channel:0.2 Ponds:1.0 Wetlands:
 Total length (includes ponds and wetlands):598

Total existing habitat area (est. m2):8632

Spawning area:	Mainstem:750	Tribs:	Total: 750
Impounded area:	Mainstem:5600	Tribs:	Total:5600
Other rearing area:	Mainstem:3032	Tribs:	Total:3032
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Upper 35 meters has good gravel with scattered patches throughout. Some cobble and silt in other areas.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The lower end is ponded and up to 1.5 meters in depth. The upper 399 meters is more channel like. Cover is very good in wetted area with submergent vegetation and surrounded by hardwoods.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Site is overtopped by the river during large events.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: When Skagit is moderate to high the slough is backwatered by the river. At low river flows lack of outflow from the slough can stop passage over a low bar at the mouth.

Coho access and use: Juvenile Unknown None Poor Fair Good
Adult Unknown None Poor Fair Good

Describe: Site is used to some extent by adults, juvenile use is good.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: Chums spawn in the site when accessible. Trout use is probable.

ENHANCEMENT OPPORTUNITIES

Project type: Groundwater Channel

Equipment access: Good

ADDITIONAL COMMENTS: May be possible to excavate the site for more perc and improve access at low flows. Flood risk is high at this site and a berm would need to be constructed.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

Site id. code: SK15 LB3

Site name: Marblegate slough

Scale: 1" = 100 meters

Observer(s): B. Barkwell

Legal location: Sec 13 T35N R10E



Highway 20

Marblegate rd

□ "good find"
Drive Ins

← Straight River

2nd growth

91m

104m

510m

shallow pond

Swampy

patch gravel

Sparsely
gravel

12" culvert
300m

IL2

509m

554m

500m

puddle

puddle

694

Gravel bar

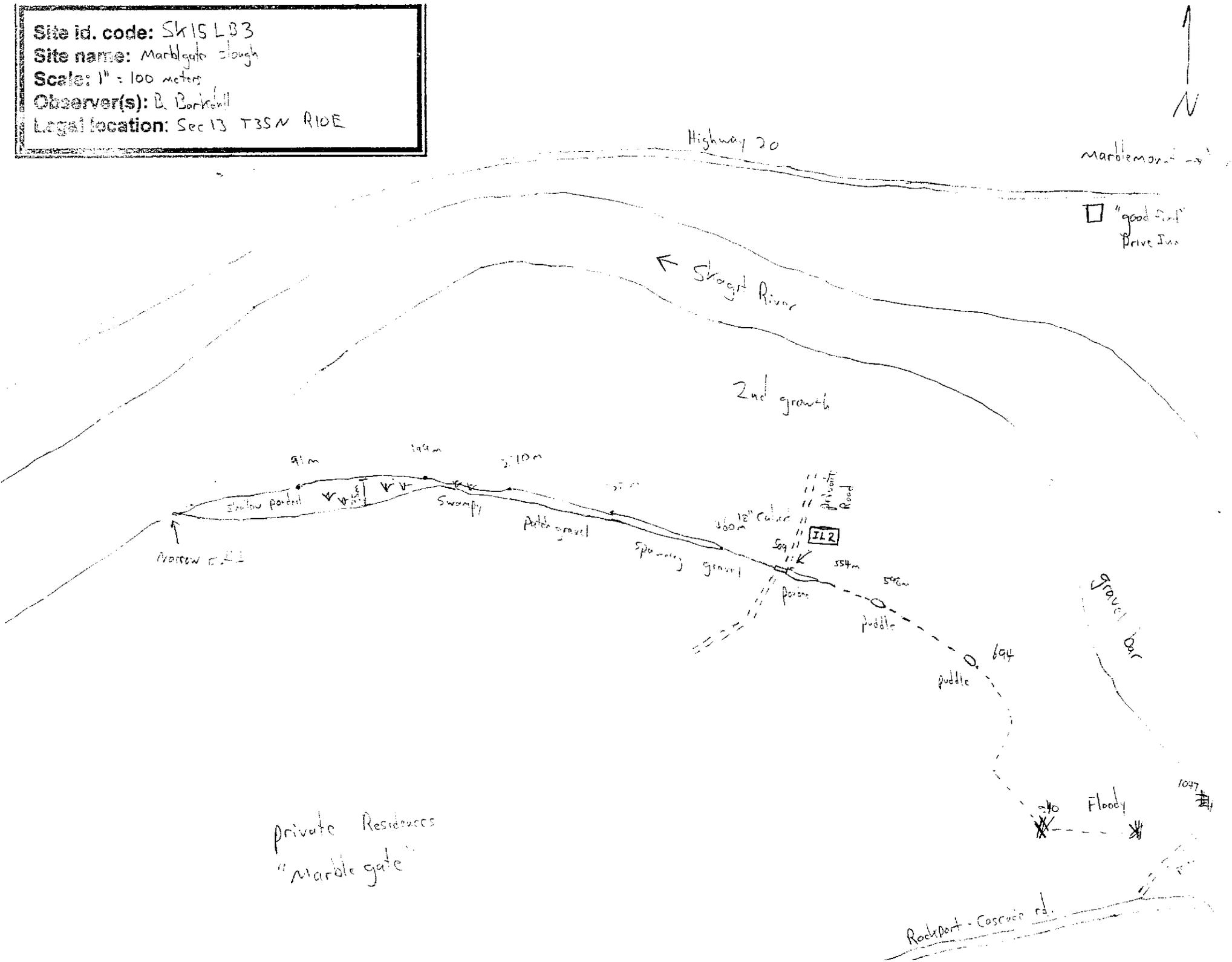
Floody

1027

Arrow

private residences
"Marble gate"

Rockport - Casuarin rd.



SITE IDENTIFIER:SK15LB3
LOCAL NAME:Marblegate Slough

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

RIVER:Skagit SURVEY DATE:1/23/95 OBSERVER:B. Barkdull

WRIA:None RIVER MILE/BANK LOCATION:76.7

LEGAL LOCATION DESCRIPTION: 1/4 SECTION NW SEC.13 T.35N R.10E

CHANNEL TYPE: Slough

	RIVER	LOW END	UPPER END	O T H E R LOCATIONS
WATER TEMP:		46 f		
FLOW (CFS):		Est. 0.1		
WATER QUALITY:		Appears good		

SUBSTRATE TYPE/SPAWNING GRAVEL ABUNDANCE & CONDITION:
upper 100' has good gravel with scattered patches throughout. Some
cobble and silt in other areas.

COVER/LOD: Very good in wetted area with submergent vegetation

SITE DIMENSIONS: LENGTH: wetted 598 meters, total 1047 meters

WIDTH-WETTED: up to 35 m.
WETTED AREA: 8632 m2
SPAWNING AREA: 750 m2
DEPTH: up to 5' in lower end

WATER SOURCE: River Percolation

FISH ACCESS/BLOCKAGES/CURRENT USE (BOTH ADULTS & JUV.):
Juvenile and adult coho use the site to some extent.

LANDOWNER: unknown, probably private

CHANNEL ENTRANCE CONDITIONS:

When Skagit is moderate to high the slough is backwatered by the
river. At low river flows lack of outflow from the slough can stop
passage over a low bar at the mouth.

FACTORS LIMITING PRODUCTION:

Low flows hinder entrance conditions when river is low

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NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

UP-OUTMIGRANT TRAPPING CAPABILITY/OPPORTUNITY/DIFFICULTIES:
Lack of access and backwatering by the river would make this a difficult site to trap.

BEAVER ACTIVITY: Some activity

HEAVY EQUIPMENT ACCESS: The non-watered section has two access roads leading to it.

DIRECTIONS TO SITE: The upper end of the site is located just downstream of the big eddy.

ENHANCEMENT OPPORTUNITIES AND COMMENT:
May be possible to excavate the site for more perc. Flood risk is high at this site.

104
978
917
840
694
598
554
534
509
460
362
270

1/24/95 Maribegala slough
0.0 at upper end. Some evidence
of $\approx 3"$ of flood water
in December
19.0 flood flows no longer
ch-w - 6 m.
130.0 ch-w 15m by Jm
207.0 ch-w 6m, by Jm, 5m west
of flowing water in Dec
353.0 ch-w 5m, puddle of water
449.0 ch-w 20m w-w 2m puddle
493.0 ch-w 15m w-w 3m
flowing actively, gravel showing
508.0 slough opening up w-w 5m
538. Rd, w/12" culvert, first Rald
460. 587. Ave. w-w 2m, 10 Ralds, 2 ch-w
362. 685 w-w 10m, 1 Rald, 1 ch-w
270. 977m w-w 15m, 1 Rald

112495 Marble gate slough

848m shallow swampy area 3 birds

2 robin nests Ave ww 3m

956m ponded Area 35m Ave

4 Robins, 2 robin nests

1047m Ave ww 20m 7 birds

Ponded height suitable for some
level. Month of ch.