

STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
HABITAT PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: M.F. Dickey (20.0145)	Date: 4/13/95 & 4/26/95
Site Identifier: MD-R2-01	WRIA: 20.0145 C
River Mile Location: 2.8 mi.	RB/LB: RB
Local Name: Busy Beaver Creek	Trib. to: 20.0145
Legal Description: SW¼ Sec 14 T30N R14W	County: Clallam
Habitat Type: Terrace tributary	
Landowner: <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - Rayonier Timberlands Inc.	

Directions to site:

Go north from Forks on Hwy 101 about 8.4 mi. then turn left at the Lake Pleasant Grocery Store (0.4 mi. north of MP 200) onto Lake Pleasant Road. Stay on the main road going past the community park and across the Lake Cr. bridge. Turn right and continue up the county road (along the N.W. shore of the lake) to the end of the pavement. This road then becomes the 9000 line. Continue on the 9000 to MP 15. Go ~0.5 mi beyond MP, there will be a gate to your right; this road is the D-9059 (a key is required to get through the gate. A key can be acquired at the Rayonier Timberlands Inc. office.). Continue through the gate for 0.75 mi; this bridge crossing is MD-R2-01.

Habitat Information:

Water source:

- Surface runoff, springs, and associated wetlands.

Intermittent/year-around:

- Unknown, probably year around.

Estimated flows (cfs): Lower end: 3+ Upper end: 0.5
~1.5 on 5/23/95

Water temperatures: Lower end: 8° C Upper end: 11° C

Adjacent stream temperature: 8° C (20.0145)

Other water observations:

- Tannic colored water.
- Active beaver area in lower to mid reach.
- Four moderate to high gradient channels feed into this system.

Site area measurements: Indirect Direct Combination

Width: Channel- 1 - 2 m; Pond- 3 - 8 m; Wetlands- 50+ m

Depth: Channel- 10 - 60 cm; Pond- 0.75 - 1.5 m; Wetlands- variable

Total length surveyed: 1535 m

~500 m of mid - upper reach (mostly wetland) was not surveyed, nor the upper reach above the rail road grade (which contained little habitat).

Total existing habitat area (est.): 2265 m²

Spawning area: 1100 m²

Impounded area: 865 m²

Other rearing area: 300 m²

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- There is varying degrees of quality spawning gravel mixed with rubble and silt.
- Spawning gravel is mostly found in the lower - mid reaches.
- Moderate to high gradient tributaries recruit gravel into these sections.
- There is gravel in upper reaches but not as deep. Mud is prominent.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- There are numerous beaver ponds/pools; many appear watered year round.
- The beaver dams are passable during higher flows.
- The lower to mid reach has a sparse canopy of immature alder and conifers, but there is cover of brush, woody debris, and sedges. This area lacks standing buffer trees due to logging.
- The upper reach has a mature conifer canopy, brush, and woody debris.
- There are four RB tribs (MD-R2-02 & 03), which are part of this system, that experience low flows which would trap juvenile fish.

Unaccessible habitat:

- Access may be limited to higher flows due to the beaver dams.
- Channel is choked with cedar debris for ~50m in the mid reach; it is uncertain if this is a barrier.

Wetland information: Bog Marsh Scrub-shrub Wetland Forested Wetland

- The wetlands are in the mid - upper reach and were not surveyed; parts were walked through.
- Sedges, brush, woody debris, skunk cabbage and alder were observed in the wetlands.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to (20.0145): Poor Fair Good

- Entrance is at a glide, above a small log jam.

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

Adult- Unknown None Poor Fair Good

- Access may be limited to higher flows for passage over beaver dams.
- What appeared to be an old redd, was detected in the lower reach.
- Coho fry were detected on 4/26/95 & 5/23/95 in the lower reach.
- The upper reach has ~50+ m of in stream debris due to old cedar salvage. It is uncertain if this jam is passable.

Other species access and use: () Chum () Pink () Sockeye () Chinook (X) Trout

- Trout, up to 20 cm, were detected on 5/23/95.
- This appears to be an optimum trout stream.

Habitat Improvements:

Enhancement opportunities:

- Deepen, enlarge one of the lower reach ponds.
- Remove slash in upper end of channel.
- Equipment access: there is access to lower reach ponds via an old road grade (LB) but the steep slope may impede heavy equipment.
- Spawning pads in lower reach of channel.

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

- | | | |
|----------------------|----------------------|-----------------------|
| (X) Aerials | (X) Sketch | (X) Maps |
| () Other references | () Spawning surveys | (X) Juvenile trapping |

DATE: 9/28/95

OBSERVER: Powell

Wet August, dry September, ~ ½ " rain the past 2 days: Stringer bridge is being replaced with a steel bridge at the D-9059 crossing. There was 1.5 - 2 CFS flow and the water temperature was 12° C. The forks at the upper reach had no flow but the right bank fork had some standing water.

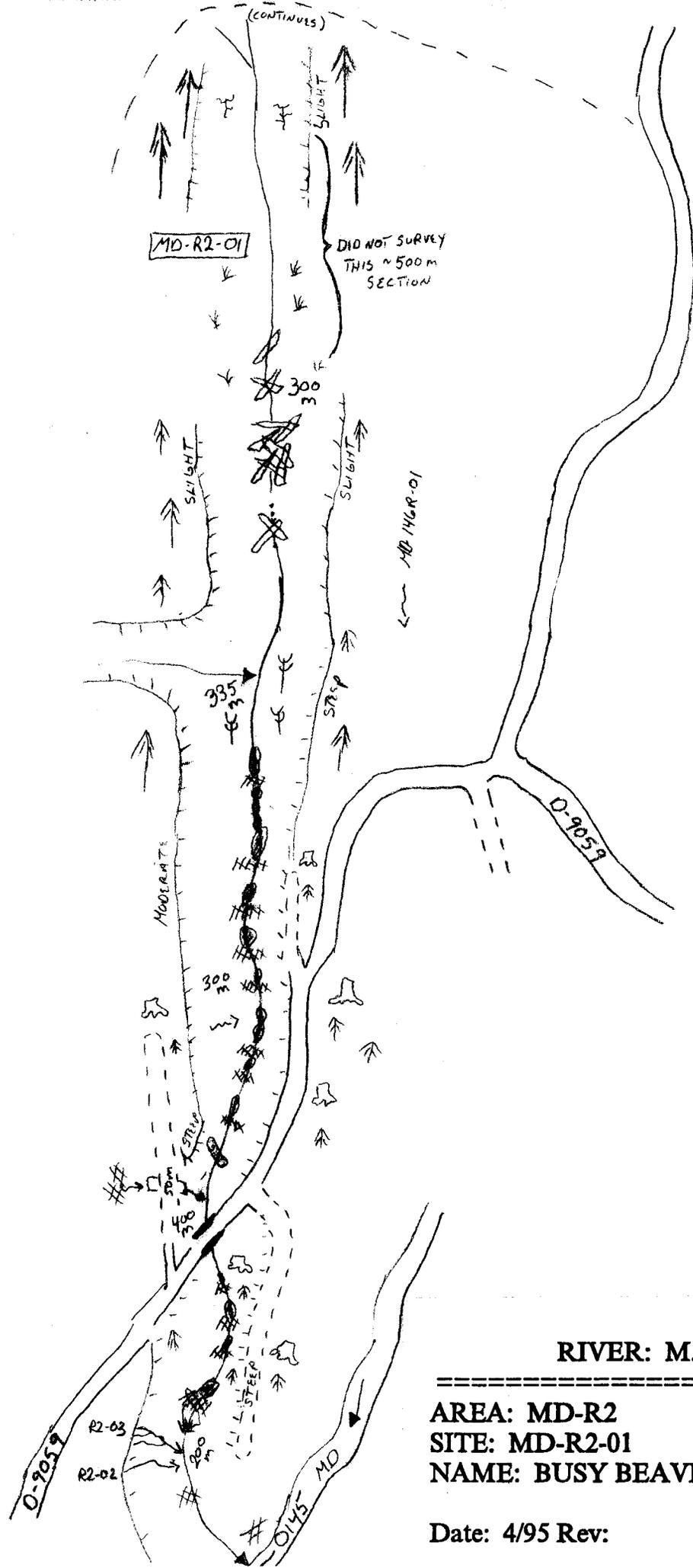
DATE: 1-17-96 - 1-18-96

OBSERVER: Darrow and Powell

The minnow traps were baited with salmon roe that was acquired at the Solduck Hatchery.

Trap No.	Date Set	Date Pulled	Coho	Catch		
				RBT	CTT	Cott.
1	1/17	1/18	0	0	1	8
2	1/17	1/18	0	0	1	4
3	1/17	1/18	1	0	1	9
4	1/17	1/18	0	0	0	15
Total Catch:			1	0	3	36

Traps 1 and 2 were placed below (~25 - 75 m) the bridge crossing the D-9059. Traps 3 and 4 were placed (~300 - 350 m) up stream of the D-9059 bridge.



RIVER: M.F. DICKEY

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 AREA: MD-R2
 SITE: MD-R2-01
 NAME: BUSY BEAVER CREEK

Date: 4/95 Rev:



RIVER: M.F. DICKEY

AREA: MD-R2

AREA MAP

DATE: 12/95

