

SITE NUMBER: WD-L5-06
LOCAL NAME: Spatterdock Slough
WRIA:

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: W.F. Dickey **DATE:** 5-19-94 **OBSERVER:** Powell

CHANNEL TYPE: Terrace Tributary

TRIBUTARY TO: Lake Dickey

SITE LOCATION: LS @ RM 23.1 WRIA

LEGAL DESCRIPTION: NE¼, NE¼, Sec 9, T30N, R14W

WATER TEMP: **UPPER END LOWER END LAKE TEMP**

FLOW (CFS): Channel was flowing at the time - amount unknown.

SUBSTRATE TYPE: Mud, silt

SITE SIZE: **Length-** 100 + m
 Width- Water surface = 2 m Channel = 2 m
 Depth- 1 -1.5 m

WATER SOURCE: Adjacent marsh

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 Rd. 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 for 16.5 mi. to a gate (just past the jct of the D-5000, an R-2 key is required to get through the gate. The key can be acquired at the Rayonier Inc office). Continue through the gate for 1.7 miles - where the woodland on the west side of the road transforms from a fairly new PCT unit to a decomposed PCT unit. Travel due west through woodland.

FISH ACCESS AND CURRENT USE: No fish were observed. Channel is an unobstructive opening to lake but it is uncertain how far into the marshlands it goes or if it ties into other channels within the marsh.

FLOODING POTENTIAL: Occasional backwater flooding from the lake.

LANDOWNER: Possibly DNR and Rayonier, Inc.

COMMENTS & RECOMMENDATIONS:

Comments:

- An undetailed observation was made of this channel due to water depth of surrounding marsh and canary grass height, both of which posed a problem for safety.
- Channel was not hip chained but was observed to be ~100 m.
- Channel was flowing.
- Waterlillies were observed growing ~100 m up the channel indicating the channel was still deep at that point.
- It is unclear at this time how this channel connects with the marshlands internal channel network.
- Internal channels were observed as flowing.

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COMMENTS & RECOMMENDATIONS: (Continued)

Recommendations:

- Attempt observing in Sept-Oct when the weather is still dry and the canary grass dies back.
- Minnow trap.
- Eradicate reed canary grass.

MARSH NAME: West Dickey Marsh

MARSH DATA SUPPLEMENT

DATE: 5/19/94

OBSERVER: Powell

INLET

OUTLET

WATER TEMPERATURE:

15° C

MARSH SIZE:

LENGTH - ~ 800 m

WIDTH - ~ 200 m

EST. MAXIMUM DEPTH - < 1 ft___, 1-2 ft___, 2-3 ft___, > 3ft X

WATER SOURCE:

- There is a small tributary that flows from the left bank and goes subsurface in the adjoining woodland that skirts the marsh. On 4/14/94 there was 40-60 gpm of water flowing from this trib. with a temperature of 9° C.
- Small flowing channels through left bank woodland were observed on 4/14/94 but were dry on 5/19/94. It is assumed these waters are associated to surface runoff and springs from the adjacent terrace.
- 20.0154 appears to contribute the most water into this system.

FISH ACCESS & CURRENT USE:

- There are three egress channels, one of which, WD-L5-06 appears to be significant. No fish were observed.

COMMENTS:

- The marsh water depth, above the willow zone on the lake, was too deep for penetrating the central area of the marshlands.
- Marsh observations were taken by circumventing along wooded areas of marshlands. The wooded areas were comprised of alder, small conifers, and several varieties of brushy vegetation.
- Canary grass height on 5/19/94 made it impossible to follow marsh channels safely.

RECOMMENDATIONS:

- Attempt observing internal marsh channeling characteristics in Sept-Oct when the weather is still dry and the canary grass dies back.

DATE: 10/17/94

OBSERVER: Powell

No appreciable rain fall in over a month; lowest flows of the season. There is still lots of water in upper marsh. Some of the channels within the marsh did not appear to be flowing. Spatterdock Slough (WD-L5-06) was greatly reduced and did not appear to be flowing. Temperature of the outlet of Spatterdock was 15° and the channel temp was 10°. Other channels within the marsh varied slightly in temperature, 9.5° to 11°. The lake temperature was 15° along the north edge. The middle larger outflowing channel, into the lake, appeared to have clearer looking water and was 9.5°. From my observations, it appeared that more water from the marsh was draining into this channel than Spatterdock Slough. Canary grass was still a problem for both maneuvering and observations.

SITE NUMBER: WD-L5-01

LOCAL NAME: Unnamed

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: W.F. Dickey **DATE:** 4/7/94

OBSERVER: Powell

CHANNEL TYPE: Terrace Tributary

TRIBUTARY TO: W.F. Dickey

SITE LOCATION: LS @ RM 21.2 WRIA

LEGAL DESCRIPTION: SE¹/₄, Sec 16, T30N, R14W

	UPPER END	LOWER END	LAKE TEMP
<u>WATER TEMP:</u>	9° C	8.5° C	10° C

<u>FLOW (CFS):</u>	0.25 - 0.5	1.0 - 1.5
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SUBSTRATE TYPE: Gravel, silt, sand, and cobble

SITE SIZE: Length- 800 m
Width- Water surface = 15 cm - 1 m Channel = 15 cm - 1.25 m
Depth- avg = 5 - 15 cm max = 1 m

WATER SOURCE: Springs, surface runoff, and tributaries

DIRECTIONS TO SITE: Head north from Forks on Hwy 101. Turn left just beyond mp 193 (1.0 mi. north of Forks) onto the La Push Rd. Proceed west on the La Push Rd about 3.1 miles. Turn right onto the Quillayute Rd. and continue west for 4.0 mi. Turn right onto Mina Smith Rd. (at Quillayute Cemetery) and proceed north about 0.8 mi. Turn left (west), after crossing the Colby Cr. bridge, onto the D-5000 line. Follow the D-5000 miles to mp 19 which is a bridge crossing the West Fork Dickey River. Take a left 0.2 miles past the bridge. Follow road 0.6 miles, road will take a left bend here. Park and walk down old road grade and take the first spur to the right. The first creek crossing is near the head waters of WD-L5-01. Pond can be relatively easy to access if you continue down grade to second creek crossing; backtrack to where game trails are distinguishable (flagged).

FISH ACCESS AND CURRENT USE: Multiple old beaver dams are passable during moderate flows. Large pond has no true outflow channel into stream but flows over old beaver dam during high flows. Saw several 7 - 14 cm fish rising in large pond.

FLOODING POTENTIAL: Low.

LANDOWNER: Possibly Rayonier, Inc.

COMMENTS & RECOMMENDATIONS:

- In a small wetland area, the channel forks before it enters into the lake.
- Up to 170 m, there are four small old beaver dammed ponds which are passable during moderate flows.
- There is a good gravel producing steep left bank at 200 m.
- At 300 m a large pond is encountered. Flow from pond to stream is impeded due to a lack of channel; an ancient beaver dam is responsible. Elevation of stream and pond are the same.
- At the outflow of the pond, to the right is WD-L5-02.
- Pond is about 100 x 175 m and is surrounded by wooded marshlands.
- Stream flows into the pond through several channels in the wooded marshlands.
- Upper channel encounters an old road grade at 625 m. There are two passable culverts (2' and 3' diam).
- Above grade, channel flows through wooded marshlands that is comprised of an abundance of LOD and spall which hinder passage and flow.
- At 800 m waters cease in channel characteristics.
- Upper and lower channels have good cover of LOD, alders, small conifers, and many varieties of brushy vegetation.

Recommendations:

- Improve egress of stream into lake by channelizing braided area.
- Improve egress of pond by channelizing.
- Improve egress of upper stream into pond by channelizing.
- Priority for future enhancement project.
- Minnow trap.
- Check late summer flows.

POND DATA SUPPLEMENT

POND NAME: Big Toad

DATE: 6/7/94

OBSERVER: Powell

INLET

OUTLET

WATER TEMPERATURE:

11° C

13° C

POND SIZE:

LENGTH - 60 m

WIDTH - 40 m (inlet) - 3 m (outlet)

EST. MAXIMUM DEPTH - < 1 ft___, 1-2 ft___, 2-3 ft___, >3ft X

WATER SOURCE: Upper WD-L5-01, springs and surface runoff.

FISH ACCESS & CURRENT USE: Egress from the pond is impeded during lower flows due to lack of channelization. Saw several 7 - 14 cm fish rising to the pond surface.

TYPE & AMOUNT OF IN POND COVER: Assorted wetland vegetation in and around pond; an abundance of sedges and spiraea. Submerged and partially submerged logs and stumps. Small, skeletal conifers surround pond.

COMMENTS:

- Pond size has greatly reduced since first survey on 4/7/94. Pond length then was estimated at 120 m with most LOD in the center of pond submerged.
- Ingress channels through wetland were partially obstructed by LOD at this flow.

RECOMMENDATIONS:

- Channelize for improved ingress and egress of pond.
- Minnow trap.
- Check late summer flow.

DATE: 6/7/94

OBSERVER: Powell

Very little rain in the past month. Outflow from culvert at grade crossing was 8-15 gpm and stream was 10° C. Outflow of pond was 15-25 gpm and 13° C.

DATE: 10/25/94

OBSERVER: Powell

Outflow from culvert at grade crossing was 10-20 gpm and 9° C. Upper right branch is dry. We have been experiencing dry conditions until 10 days ago - received 3" rain, and has been dry since.

Pond somewhat reduced in size since last survey in June, but still has a large watered area. Outflow of pond is a small (1') open area through remnants of an ancient beaver dam. At higher flows it should be passable. Outflow water was 9°C and 5-10 gpm. Small amounts of woody debris pose a passage problem, in the channel below the pond, at this flow.

No fish were observed.

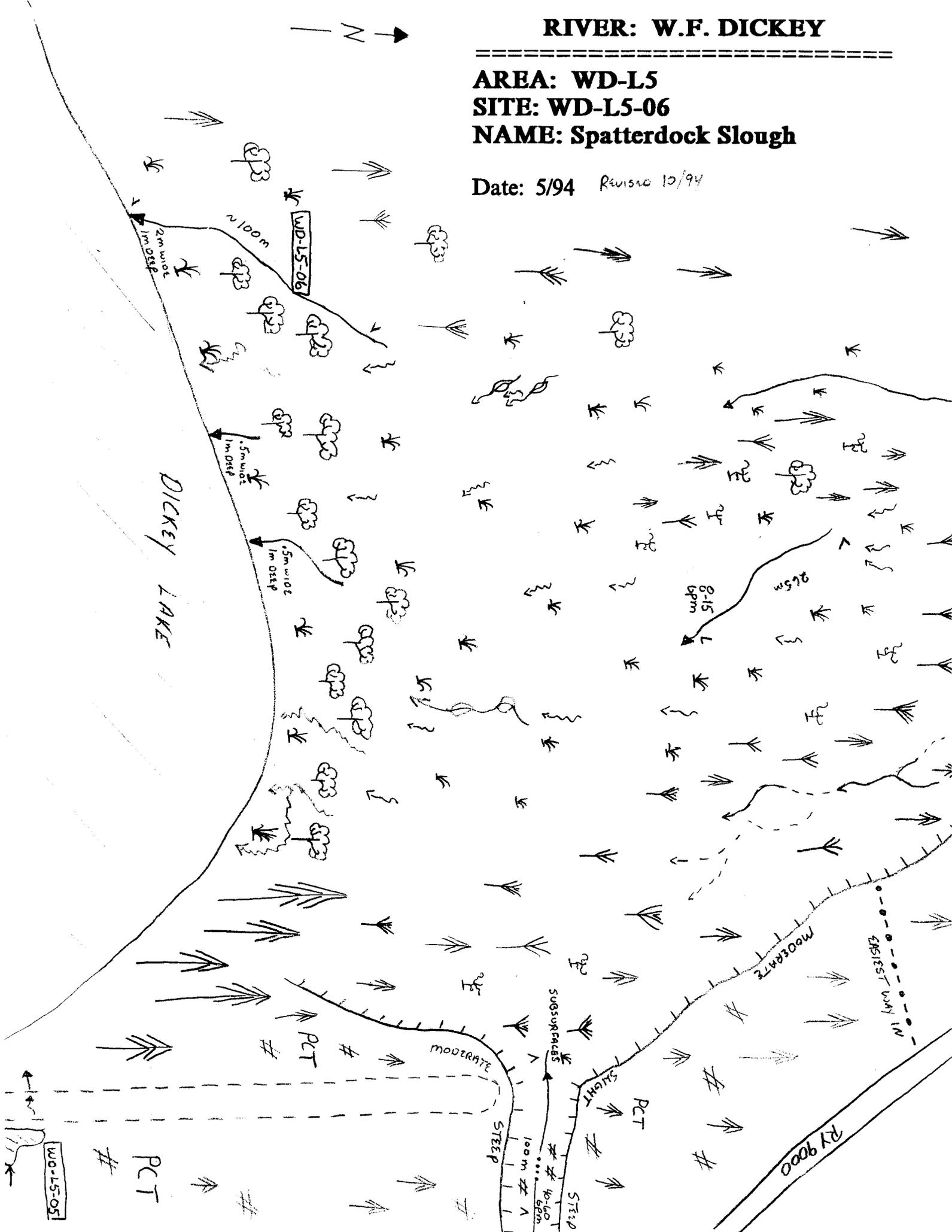
RIVER: W.F. DICKEY

AREA: WD-L5

SITE: WD-L5-06

NAME: Spatterdock Slough

Date: 5/94 Revision 10/94



RIVER: W.F. DICKEY

AREA: WD-L5

Overview of West Dickey Marsh

Date: 6/94

