

**SITE NUMBER:** D-L2-04  
**LOCAL NAME:** Deep Valley Creek  
**WRIA:** 20.0104D

**NORTH COAST OFF CHANNEL SITE INVENTORY DATA**

**RIVER SYSTEM:** Dickey      **DATE:** 2/27/91      **OBSERVER:** Young

**CHANNEL TYPE:** Short valley wall trib.

**TRIBUTARY TO:** Dickey River (20.0097)

**SITE LOCATION:** L.B. @ River Mile: 4.6 (WDF)

**LEGAL DESCRIPTION:** NW1/4 S7 T28N R14W

	<b>UPPER END</b>	<b>LOWER END</b>	<b>RIVER TEMP</b>
<b><u>WATER TEMP:</u></b>	7.0	7.0 C	7.5 C

<b><u>FLOW (CFS):</u></b>	0.25	0.25 - 0.5
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**SUBSTRATE TYPE:** Sand, silt and mud flat area below forks. Cobble and gravel in mid reach. Angular gravel, cobble and boulder in lower reach.

**SITE SIZE:**

- Length-** 465 m (mouth to fork)
- Width-** Channel = 1 - 2 m  
Surface = 0.5 - 1.5 m
- Depth-** Avg = 4 - 8 cm    Pools = 15 to 25 cm

**WATER SOURCE:** A network of small seep-like springs.

**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 La Push Rd about 3.1 mi. 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 0.4 mi. then turn left (west) onto a gravel road that parallels a power line. After 0.3 mi. the road makes a hard turn to the right (i.e. N.W.). Continue another 0.3 mi. until the road forks. Stay left at the fork and continue along this road about 0.75 mi. until it ends at a landing which overlooks the river. D-L2-04 is in the valley to the right (N.E.) of the road.

**FISH ACCESS AND CURRENT USE:** Poor. Quite steep at the mouth dropping some 2 to 3 m in elevation in the lower 10 to 20 m reach. Lower 300 m reach maintains a moderate to steep gradient. Looks like trout habitat. May offer some refuge to coho during winter freshets, but little long term rearing habitat.

**FLOODING POTENTIAL:** Low.

**LANDOWNER:** Unknown at this time (probably ITT Rayonier)

**COMMENTS & RECOMMENDATIONS:** D-L2-04 is a relatively short, moderately steep to steep, valley wall trib. The entire valley has been clear cut. Coho rearing habitat is minimal. Habitat seems better suited for trout.

(Continued on next page)

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**COMMENTS & RECOMMENDATIONS:** (continued)

D-L2-04 enters the river 20 to 30 m upstream of a wide riffle and on the outside of a 90 degree bend. It cascades some 2 to 3 m in elevation in the lower 10 to 20 m reach (i.e. just up from the mouth). Most of the lower 200 m reach lies in a very narrow, V-shaped canyon. Occasional small to medium sized woody debris jams in this "crevasse" help maintain a moderate to moderately steep, (est. 4 to 5%) terraced gradient.

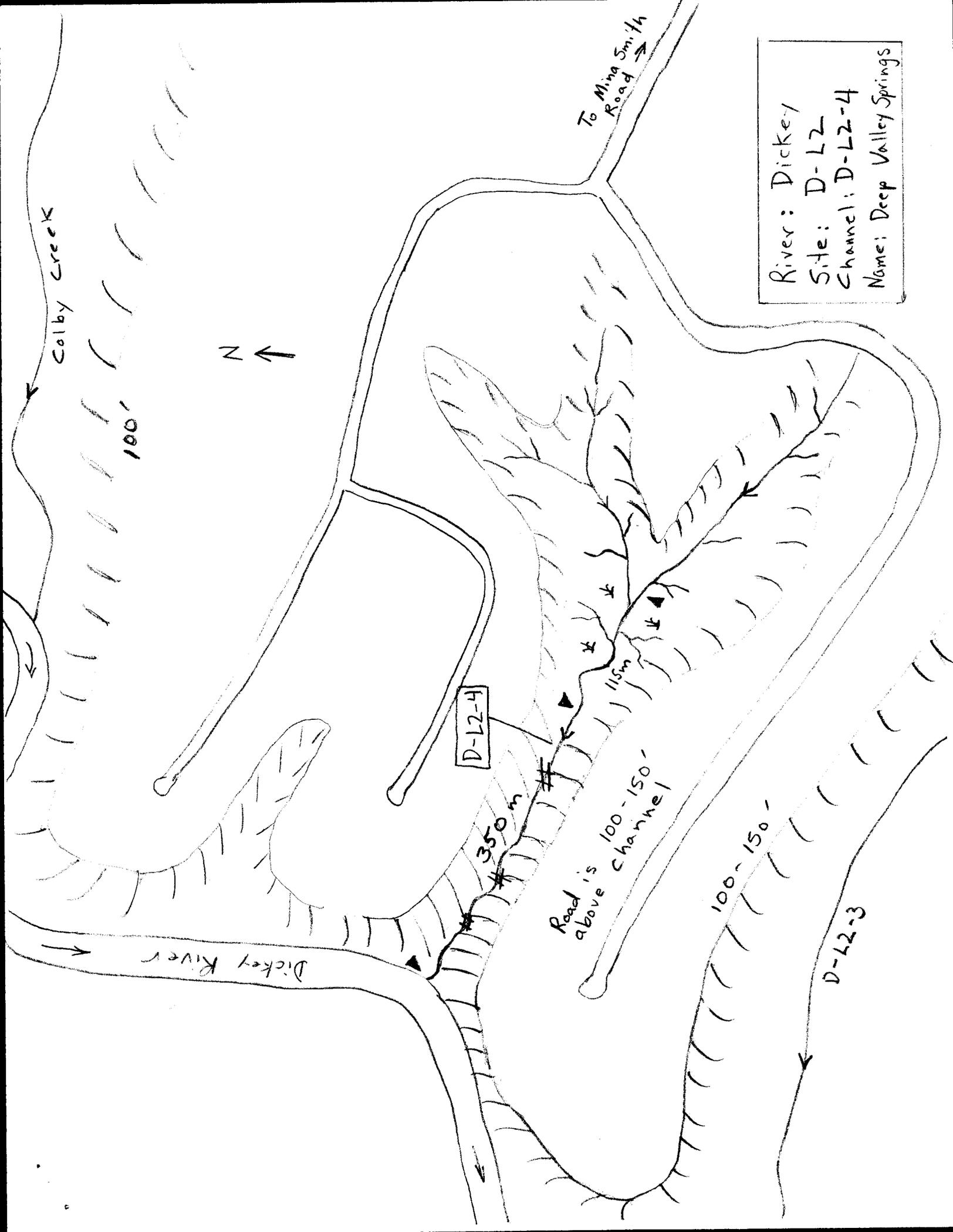
The valley slowly begins to widen and the gradient moderates as one move upstream along the next 150 m reach. Patches of heavy brush were encountered near the upper end of this middle reach.

About 350 m above the mouth of D-L2-04, the valley floor widens dramatically and the gradient becomes gentle. The channel tends to meander somewhat here. This reach could provide a limited amount of rearing habitat for any juvenile coho persistent and strong enough to make it this far upstream. A network of small seep springs was seen entering D-L2-04 from the relatively gentle side slopes in this reach.

465 m above its mouth, the channel of D-L2-04 forks. Each fork runs up into its own well defined valley. The gradient in each branch of this upper reach appears to increase considerably, and steadily, to the source of the channel. Flow above the fork could be measured in gal/min, although evidence suggest much more water than this may be present at times. The access road into D-L2-04 (see directions to site) crosses the left banch of the channel some distance above the fork.

Probably very little can be done to increase coho habitat here. Efforts would be restricted to the 115 m "flat" area below the fork. Machine access to this area would be possible, but not easy. Development of a small to medium pond(s) intended to receive fall plants and to accommo-date the few coho that might reach this area from the river may be a long range possibility. Water supply appears to be fairly reliable. Planting might be possible from the road crossing above the fork. Installation of control structures along the lower, steep gradient reach of D-L2-04 could make the "flat" area more easily accessible to juvenile salmonids. However, instability of the side slopes and lack of machine access in this lower reach would probably make this an expensive and risky project. For curiosity's sake, may want to minnow trap or electroshock the area below the fork to see if any juvenile coho can be found. Other areas on the Dickey will offer better enhancement opportunities.





River: Dickey  
Site: D-L2  
Channel: D-L2-4  
Name: Deep Valley Springs

N ↑

Colby Creek

100'

D-L2-4

350 m

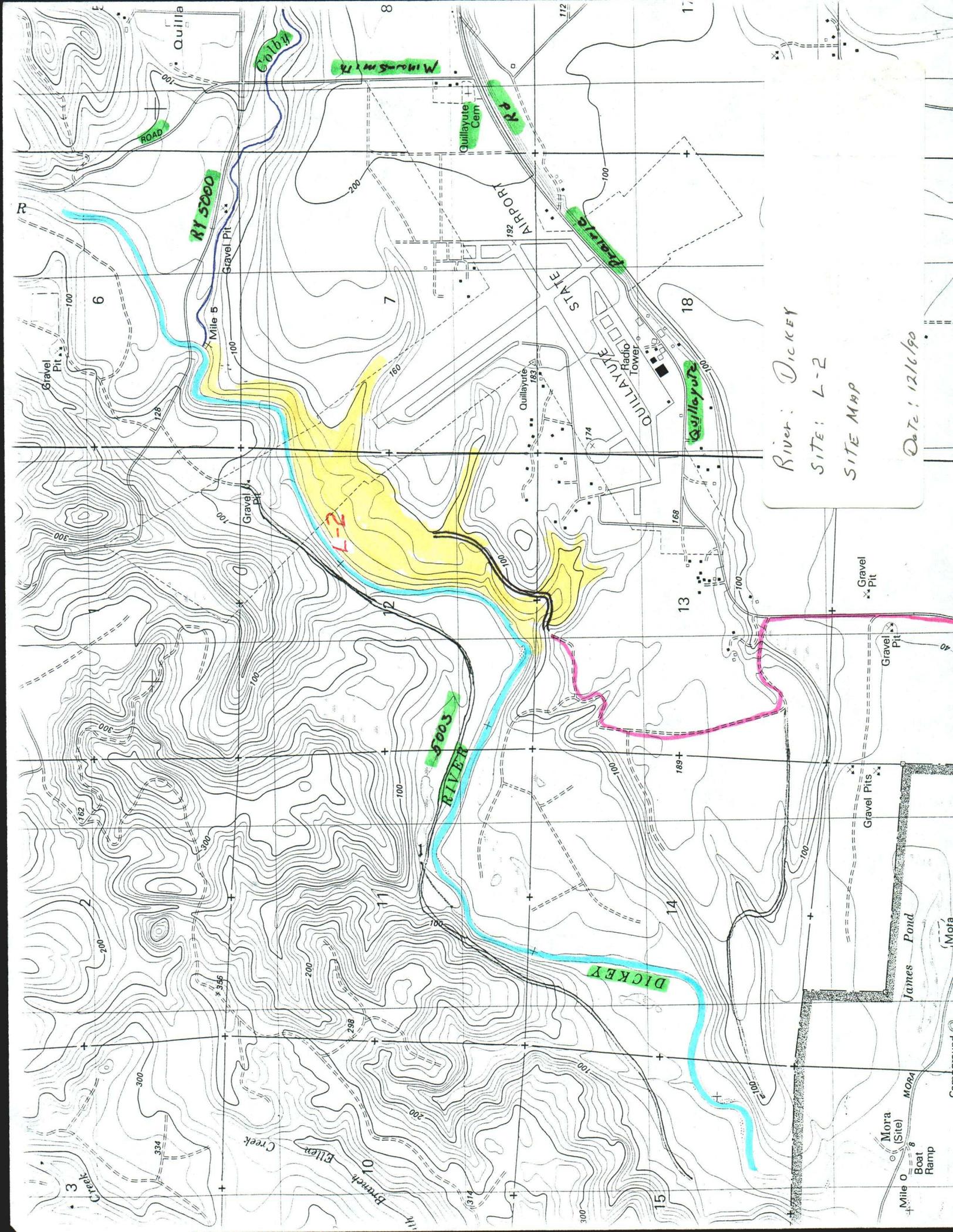
Road is 100-150-  
above channel

15m

Dickey River

D-L2-3

To Ming Smith  
Road →



River: DICKEY  
SITE: L-2  
SITE MAP  
Date: 12/6/90