

SITE NUMBER: ED-R5-04
LOCAL NAME: Swordfern Springs
WRIA: 20.0131D

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: E. F. Dickey **DATE:** 4/12/91 **OBSERVER:** Young

CHANNEL TYPE: A small terrace tributary (partially wall-based).

TRIBUTARY TO: E. F. Dickey River (20.0110)

SITE LOCATION: R.B. @ R.M. 15.0 (WDF)

LEGAL DESCRIPTION: SW1/4 S20 T30N R13W

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	7.0° C	7.5° C	5.5° C
<u>FLOW (CFS):</u>	Dry	5 - 10 gal/min	
<u>SUBSTRATE TYPE:</u>	Mud.		

SITE SIZE: **Length-** 105 m (lower 30 m runs along back of gravel bar)
 Width- Surface = 0.3 - 1.0 m
 Channel = 1.0 - 1.5 m
 Depth- Avg = 5 - 10 cm Max. = 15 - 20 cm

WATER SOURCE: Seep springs from the toe of the hill.

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 Lk 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 another 6.0 miles (going past junctions with the 9300 & 6000 lines) until coming to a new (c. 1990) concrete bridge. Continue on the 9000 about 0.5 miles until the mainline makes a hard left at the junction with the 9500 (Beaver's Corner). Continue on the 9000 (traveling s.w.) for another 2.5 miles to the junction with the 9000.6. Turn right (north) onto the 9000.6 and proceed about 0.1 mi. to a bridge that crosses the East Fork. Park here and walk upstream about 340 m (about 0.2 mile) to the mouth of channel ED-R5-04.

FISH ACCESS AND CURRENT USE: Little, if any. A small amount of rearing habitat might be accessible during periods of high water.

FLOODING POTENTIAL: Low.

LANDOWNER: Unknown at this time (possibly DNR and/or ITT Rayonier).

COMMENTS & RECOMMENDATIONS: ED-R5-04 is a rather small, spring fed depression that runs along the toe of the hill at the back edge of a small alder flat. In its mid to upper reaches the channel parallels the river and is set back some 50 to 80 m from the bank.

(Continued on next page)

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COMMENTS & RECOMMENDATIONS: (continued)

ED-R5-04 converges with the river at the lower end of a flat gravel bar. The river channel above this point is wide and braided. Currently the "main" river channel runs through the middle of this braided area and the lower 35 m reach of ED-R5-04 runs along the back (right) edge of the active floodplain. During periods of high flow the flat bar is probably submerged and the lower 35 m reach of ED-R5-04 is part of the river.

As the channel makes its transition from the floodplain up onto the alder flat, water trickles over and through woody debris dropping some 2 to 3 ft. Under current conditions this debris forms an impassible barrier. It may, however, be passable during higher flows (if backwater flooding should occur).

Above the debris blockage ED-R5-04 has a narrow, well-defined channel for the next 20 m. This u-shaped channel has 2 to 3 ft high banks.

Continuing upstream the channel runs along the back edge of the alder flat some 50 m until ending at some small springs which emanate from the toe of the hill (i.e. from the right bank). The channel in this upper reach is a relatively wide, flat, mud-bottomed depression that supports a dense growth of slough sedge. The ground adjacent and south of the channel supports a stand of middle aged alder. The higher ground to the north of the channel is mostly conifer. Swordfern are very prevalent around the upper end of the depression.

It may be possible to do a small enhancement project here by deepening the channel and tapping into the groundwater. Conditions at the mouth of ED-R5-04 are poor at present and unstable. The braided river channel in this reach also seems fairly unstable. There is currently no machine access. Any project here would require the use of hand labor (and/or explosives).

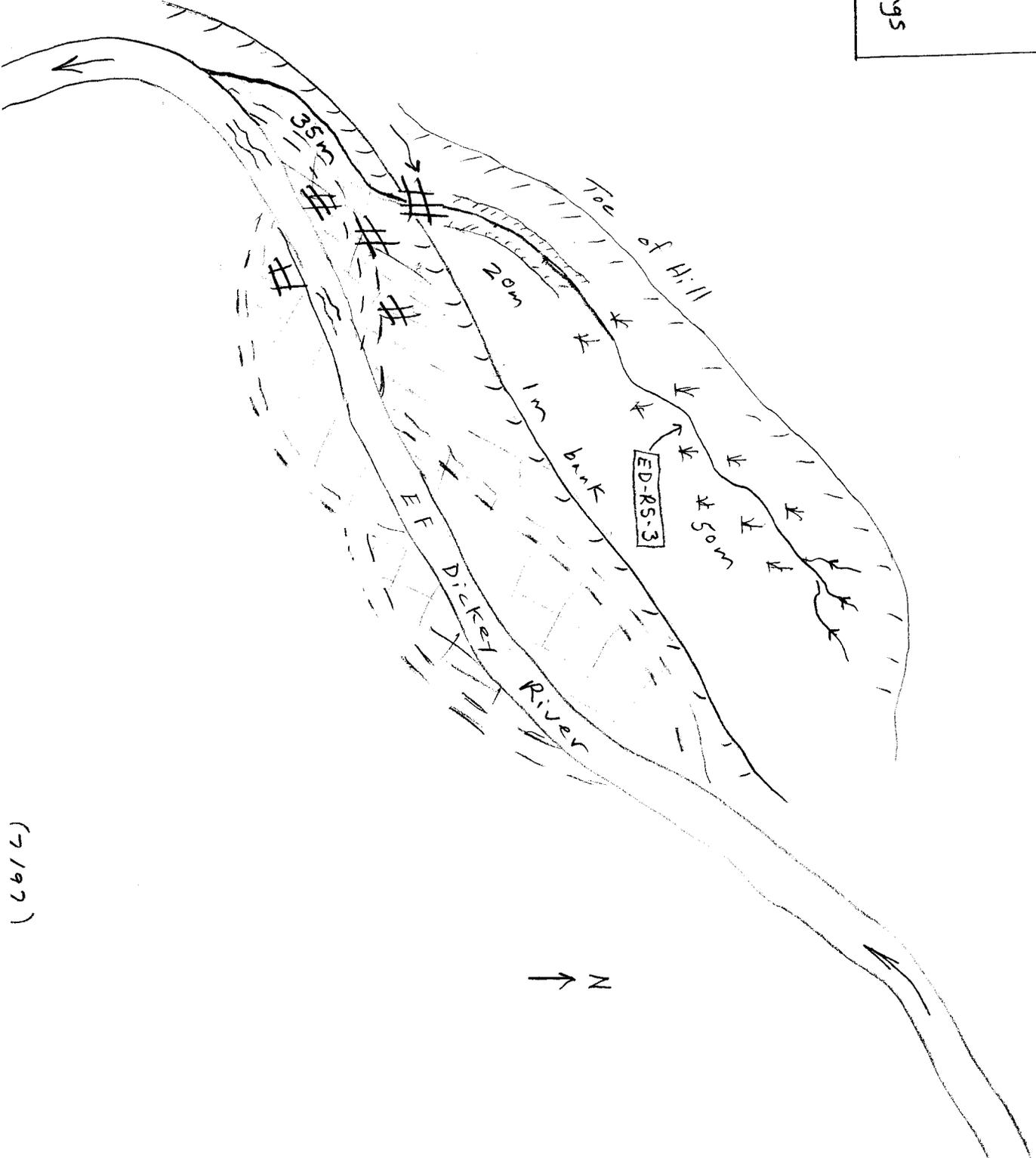
DATE: 5/29/92

OBSERVER: Young

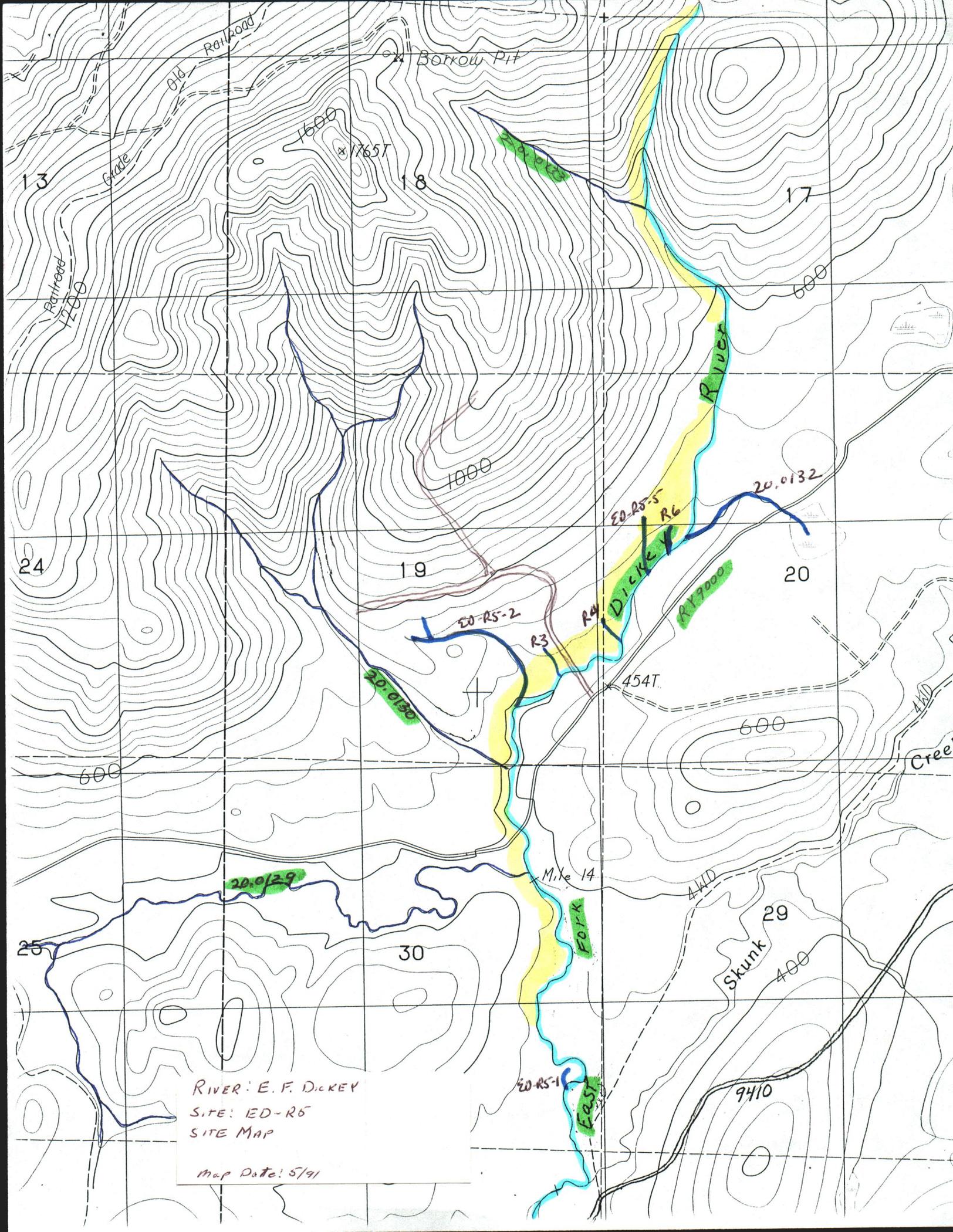
These observations were made during an unusually long period of dry weather. Rainfall for the month is well below average. This could possibly be the driest May on record.

The upper and middle reaches of ED-R5-04 were dry. A trickle of water was seen in the lower 35 m reach (i.e. running along the back edge of the gravel bar. Water temp in the channel was at 48° F. Flow in the East Fork was 2 to 3 cfs and the water temperature was at 51° F.

River: E.F. Dickey
Area: ED-R5
Site: ED-R5-4
Name: Sword Fern Springs

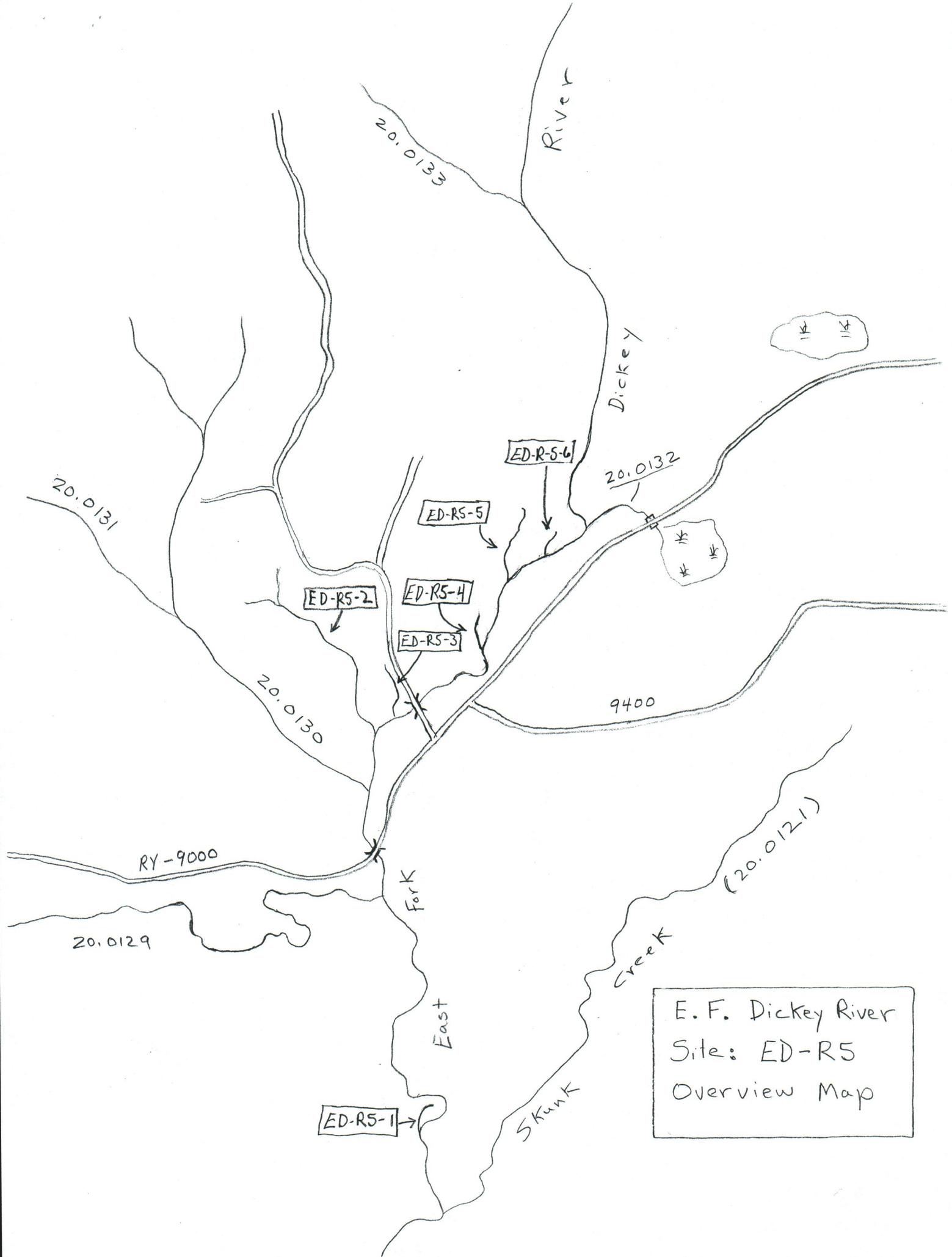


(7/97)



RIVER: E. F. DICKEY
SITE: ED-RS
SITE MAP

Map Date: 5/91



E. F. Dickey River
Site: ED-R5
Overview Map