

SITE NUMBER: ED-129R-05
LOCAL NAME: Johnny Shack Cr.
WRIA: 20.0129K

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: E. F. Dickey **DATE:** 1/10/92 **OBSERVER:** Nettnin

CHANNEL TYPE: Valley Wall Trib.

TRIBUTARY TO: West Branch of East Fork Dickey River (20.0129)

SITE LOCATION: R.B. @ River Mile- 1.3

LEGAL DESCRIPTION: SE1/4 S25 T30N R14W

	UPPER END	LOWER END	20.0129
WATER TEMP:	42 F	43 F	N/A
FLOW (CFS):	1.0 - 1.5	3.0 - 5.0	

SUBSTRATE TYPE: Silt & clay in lower 280 m reach (mouth to beaver marsh) Gravel, woody debris (large & small) and silt along the next 550 m reach (marsh to the first grade crossing). Silt & woody debris in the upper 450 to 500 m reach (lower grade crossing to the upper marsh).

SITE SIZE: **Length-** 1400 - 1500 m
Width- Water surface = 2 - 3 m
Channel = 6 - 10 m
Depth- 30 - 50 cm (Max. = 90 cm)

WATER SOURCE: Springs, a trib and a 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 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 mi. until coming to a new (c. 1990) concrete bridge. Continue about 0.5 mi. until the 9000 makes a hard left at the junction with the 9500 (Beaver's Corner). Proceed on the 9000 (traveling s.w.) for 2.9 mi. to the E.F. Dickey bridge. Continue another 2.1 miles to a major 3-way jct with the D-2900 and the D-5200. Make a hard turn to the left onto the 2900 and then drive to where a new grade goes up the hill. Continue along the old (lower) grade (proceed with caution as the road is brushy and very narrow in places, turnarounds are very limited). The trib. at the bad culvert is ED-129R-06 (a LB trib. to ED-129R-05). Continuing on another 0.1 mile the grade parallels ED-129R-05 and crosses it about 0.5 mile further along.

FISH ACCESS AND CURRENT USE: Fish appear to have unlimited access. A beaver dam about 800 m above the mouth and a debris jam 60 m further upstream will inhibit fish movement at lower flows. Observed two possible redds. A few juvenile coho were captured in minnow traps (see results below).

FLOODING POTENTIAL: No threat of flooding from tributary 20.0129. Flow in ED-129R-05, however, increased from about 5 cfs on the date of the initial survey (1/10/92) to about 15 cfs on a subsequent visit to the site (1/23/92). About 5 inches of rain fell in the 36 hr period prior to the latter observation. About 1.5 to 2 inch of rain fell in the 24 hour period preceding the observation made during the initial survey.

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(continued)

LANDOWNER: DNR.

COMMENTS & RECOMMENDATIONS: ED-129R-05 maintains a moderate to gentle gradient throughout as it meanders through a 30 - 40 yr old conifer stand. The lower 200 m reach has a gentle gradient and some shallow associated wetlands along the banks. Ground vegetation along this reach is rather brushy with a heavy growth of salal and salmonberry. Some rearing habitat along this reach is provided by old beaver dams and woody debris that create pooling.

About 280 m above the mouth of ED-129R-05 is an old beaver marsh. A left bank tributary with a flow of about 2 cfs (see ED-129R-06) converges with ED-129R-05 in this old marsh area.

From the marsh up into the middle reach of ED-129R-05 the channel has a moderate gradient with gravel visible at most riffles. Some gravel here appears clean and deep enough to accommodate spawners. A large amount of small woody debris seems to hold the gravel in small scattered lots rather than letting it concentrate in larger more useful bars.

A spur from the main old grade crosses ED-129R-05 about 840 m above its mouth and may be causing problems. The culvert at this point (as are all culverts observed on this system) is a "punching culvert". Instead of using pipes these culverts are built by laying logs side by side in the channel (parallel to the flow) and back-filling over them. Just above this first grade crossing is a debris jam that appears to cause passage problems at lower flows. This jam, however, also acts as a control that has ponded water upstream for about 100 m.

The 300 m reach above the old grade has a very gentle to flat gradient. Excellent rearing habitat occurs here with heavy brush along side the channel and heavy woody debris concentrations in the channel.

At the upper end of this reach (1140 m above the mouth) the main grade crosses ED-129R-05. Just upstream of this crossing ED-129R-5 emerges from a large cedar marsh. Several small tributaries feed this upper marsh.

The water in ED-129R-05 is tannic colored, but otherwise clear. The color and clarity appears to remain the same during high flows.

With good vehicle access points along ED-129R-05 (and ED-129R-06) it may be feasible to increase spawning production by adding gravel to this system. This would help to seed the currently existing rearing habitat. Select removal of excessive woody debris would allow the gravel to concentrate in longer usable deposits. The woody debris jam above the lower grade crossing should be removed and replaced with a control in order to allow better fish passage while still maintaining the pond.

The DNR has been contacted about its near future plans for this area. A thinning is scheduled for 1992, but will include only that area along the old grade up to the crossing of the LB trib (see ED-129R-06). The grade will be rehabilitated making it passable up to that point. A unit here is also scheduled for logging in late 1992 or 1993. Once this unit has been sold the old grade will be more fully rehabilitated with new culverts and more gravel added. If our enhancement plans for this site are in place, it should be very cost effective to have our materials hauled at the same time. We can also oversee and direct DNR's work to complement our enhancement plan.

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NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: E.F.Dickey

Channel No.: ED-129R-05
Site Name: Johnny Shack Cr.
WRIA: 20.0129K

DATE: 1/23/92

OBSERVER: Nettnin

Four minnow traps were baited with salmon roe and set on 1/22/92. These traps were pulled about 24 hrs later on 1/23/92. **Trap # 1**, set in the beaver marsh 280 m above the mouth, caught 48 sculpin (no coho or trout). **Trap # 2**, set about 300 to 350 m further upstream caught 7 sculpins and 3 coho. **Trap # 3**, set just above the first grade crossing (900 m above the mouth) caught 22 sculpin (no trout or coho). **Trap # 4**, set below the marsh where the old railroad grade crosses Johnny Shack Cr. (about 1100 m above the mouth) caught 6 sculpin and 1 salamander (no trout or coho).

DATE: 1/23/92

OBSERVER: Nettnin

About 5 inches of rain has fallen over the last 36 hrs. Flow was estimated at 12 to 15 cfs. Water color remained tannic but turbidity was low. The bottom of the channel could be seen in a three foot deep pool.

DATE: 3/9/92

OBSERVER: King & Nettnin

Some 30 to 40 coho smolts were observed in the marshy area at the confluence of ED-129R-06 (Trestle Creek) and ED-129R-05 (Johnny Shack Creek). Flow was about 1 to 2 cfs below the confluence of the two tributaries after 3 days with no significant rain (about 1.3 inches of rain have fallen so far this month).

DATE: 3/11/92

OBSERVER: Nettnin

Met with DNR personnel to discuss culvert replacements. The culvert under the main grade (i.e. on ED-129R-06) is scheduled to be re-placed during the summer of 1992. The culvert under the spur grade (i.e. on ED-129R-05) is scheduled to be replaced with a baffled culvert in 1993.

DATE: 5/29/92

OBSERVER: Young

Flow just below the old spur crossing (about 550 m above confluence of ED-129R-05 & ED-129R-06) was about 5 gal/min. Water temp was at 52 F. The water was very tannic colored. The surface width (where the flow was unrestricted) was 30 to 60 cm. Light rain & drizzle fell all day yesterday and into this morning. The month of May, however, has been very dry (less than 2 inches for the month) and will most likely be one of the driest Mays on record.

DATE: 1/3/03

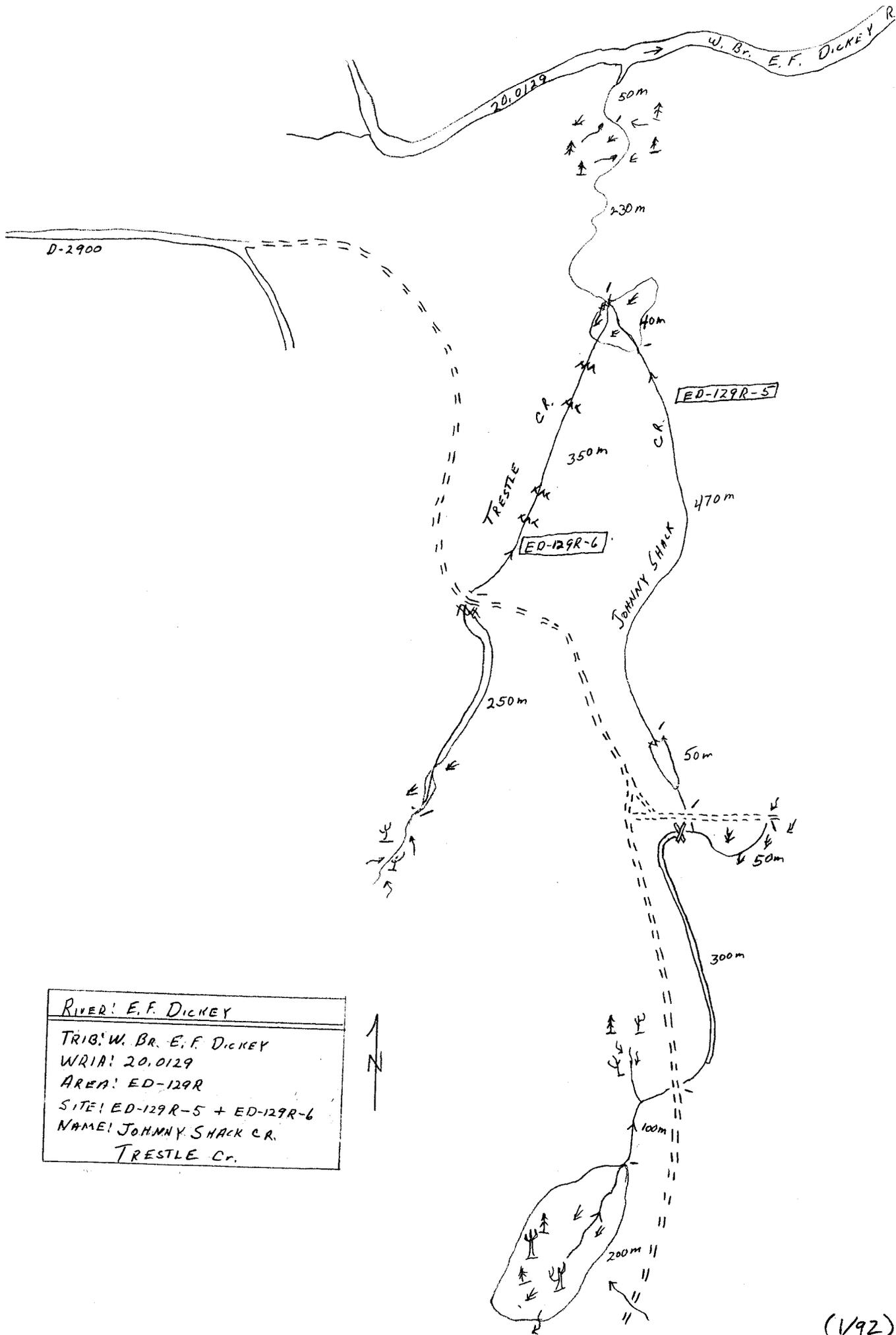
OBSERVER: Nettnin

The baffled culvert that was first used to replace a poorly placed culvert was also poorly placed - placed to high. It has been reset to proper elevations.

DATE: 10/18/03

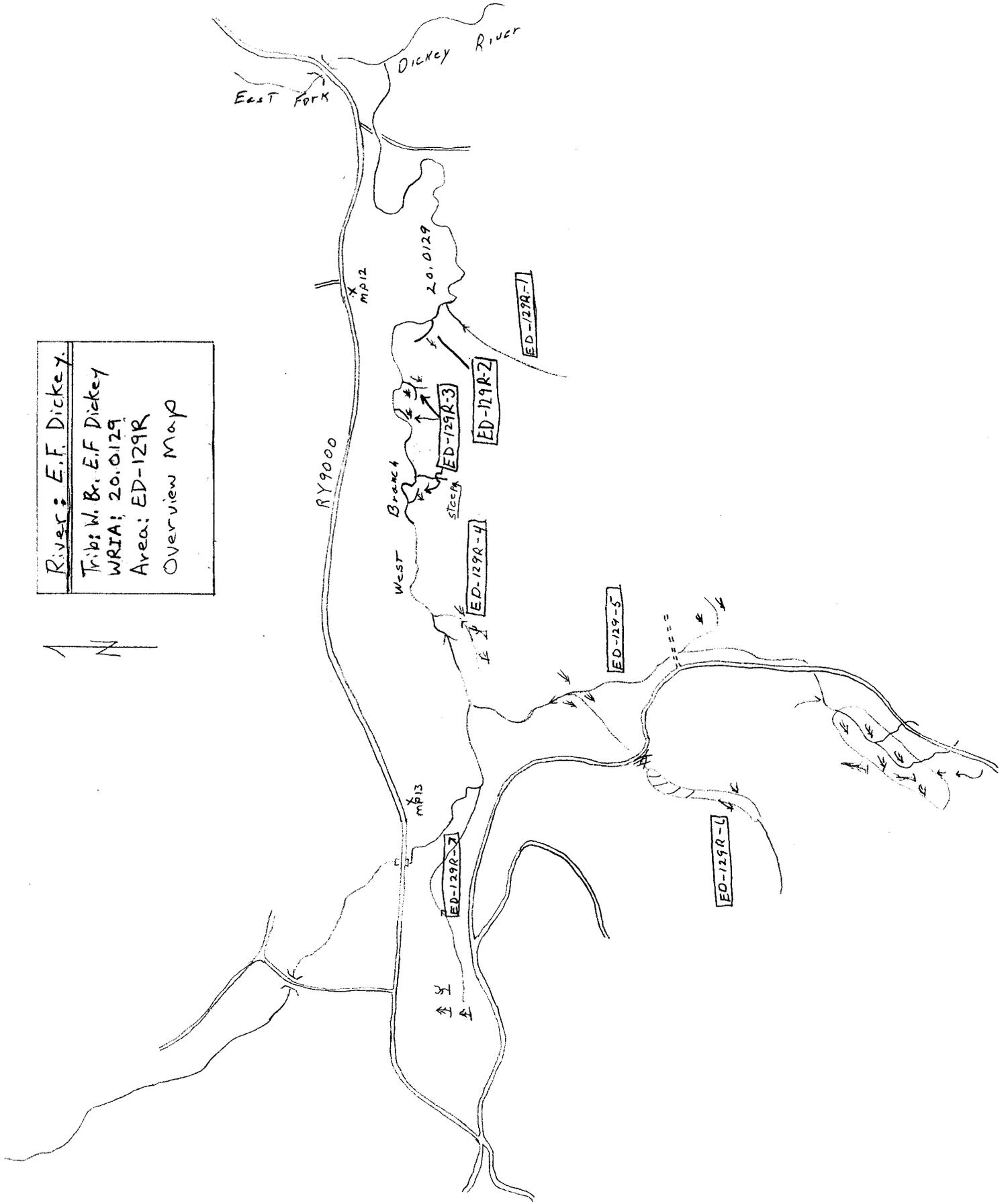
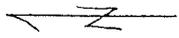
OBSERVER: Nettnin

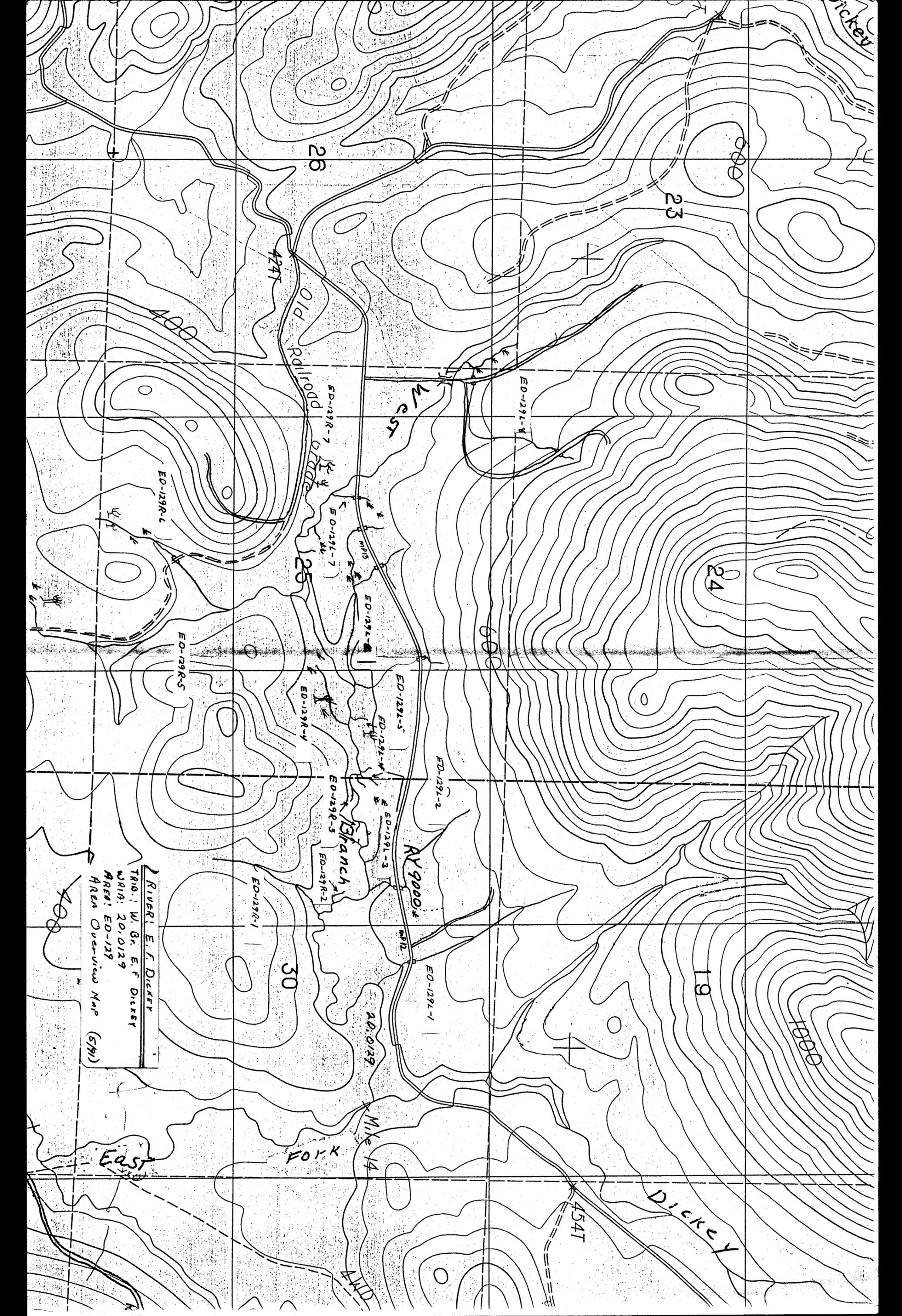
Baffles look good. No debris. Lower weirs look good.



RIVER: E. F. DICKEY
TRIB: W. BR. E. F. DICKEY
WRIA: 20,0129
AREA: ED-129R
SITE: ED-129R-5 + ED-129R-6
NAME: JOHNNY SHACK CR. TRESTLE CR.

River: E.F. Dickey
 Trib: W. Br. E.F. Dickey
 WRIA: 20.0129
 Area: ED-129R
 Overview Map





RIVER: E. F. DICKER
TRIG: W. B. E. F. DICKER
WARR: 20.0129
AREA: ED-129
AREA Overview Map (SR)

East

Fork

MP 14

Dickey

Dickey

West

30

19

24

23

26

RV 9000

Old Rd

Branch

424T

454T

ED-129R-6

ED-129R-5

ED-129R-7

ED-129R-4

ED-129R-3

ED-129R-1

ED-129R-2

ED-129R-3

ED-129R-4

ED-129R-5

ED-129L-8

ED-129L-7

ED-129L-8

ED-129L-2

ED-129L-1

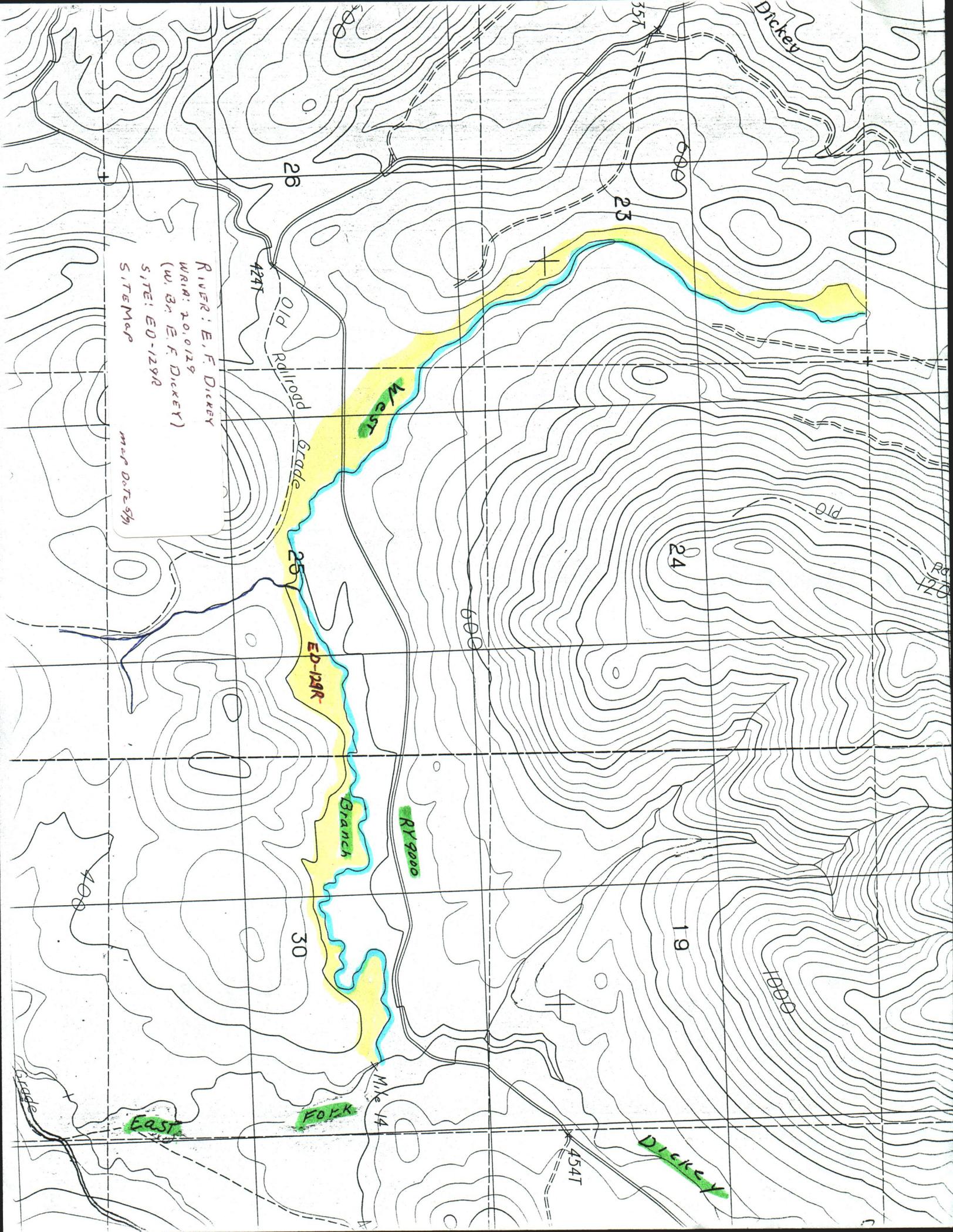
600

1000

800

400

400



RIVER: E, F, DICKEY
WRM: 20,0129
(W, B, E, F, DICKEY)
SITE: ED-129R
SITE MAP
MAP DATE: 5/91

EAST

FORK

Branch

ED-129R

West

DICKEY

RY 9000

Mile 14

30

25

26

23

24

19

400

600

500

454T

424T

35T

1000

100

120

Grade

Old Railroad Grade

Dickey

Rd