

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): Nettnin
River System: E.F. Dickey	Date: 4/24/96
Site Identifier: ED-115L-04A	WRIA: 20.0115?
River Mile Location: 0.01	RB/LB: RB
Local Name: Surprise Cr.	Trib. to: Little Muddy ED-115L-04
Legal Description: NE¼ Sec14 T29N R14 W	County: Clallam
Habitat Type: Lower Valley Wall Tributary	
Landowner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - DNR - RTOC	

Directions to site:

Go north from Forks on Hwy 101 for 3.1 miles Turn left (west) about 0.1 mile beyond MP 195 onto the D-2000. Proceed west on the D-2000 about 5.0 miles to the D-2400 (just beyond the E.F.Dickey bridge). Turn right onto the D-2400 and drive 0.8 mile to the Thunder Creek bridge. Continue on the D-2400 another 0.5 mile then bear left onto the D-2420. Continue on the D-2420 for about 0.4 mile to a creek with a failed bridge. This is ED-115L-4. Cross the creek and continue up the road to the next stream crossing (0.1 - 0.2 mile). This is ED-115L-04A.

Site Overview:

This second order stream drains about 40 acres of timber land. Most of the topography is moderate to gentle. The stream is of moderate gradient up to the road crossing. It then becomes gentle; however, it flows mostly through a road ditch. The road appears to be abandoned at this time since the bridge has failed, the gravel has been removed from it and all the timberland this road accesses has been harvested.

Habitat Information:

Water source: Surface runoff from small wetlands.

Intermittent/year-around: Unknown at this time, probably intermittent.

Estimated flows (cfs): Lower end: 1 - 2 Upper end: 0.2 - 0.3

Water temperatures: Lower end: 8.5°C Upper end: 10.0°C

Adjacent stream temperature: 8.5°C

Other water observations: Slightly tannic in color

Site area measurements: Indirect Direct Combination

Widths: Channel- 0.3 -1.0 m Ponds- NA Wetlands- 10.0 - 15.0m

Depths: Channel- 20 - 30 cm Ponds- NA Wetlands- 6 - 15 cm

Total length (includes ponds and wetlands): 720 m

Total existing habitat area (est.): 500 m²

Spawning area: 0

Impounded area: 0

Other rearing area: 500 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- There is a small amount of sandy gravel within a few meters of the confluence.

Rearing habitat conditions: None Poor Fair Good Excellent

- Poor for coho: moderate gradient in the lower end and very little cover in the upper end.
- Suitable for trout in the lower end, not much cover in the upper end.

Describe pond and other rearing habitat:

- There are no ponds associated with this stream.
- The lower 400 m of this stream has heavy logging slash left in it. The stream has recovered to point that it is free flowing and the slash is now a benefit, creating pools and slowing velocities
- The trees and brush on the stream banks are creating quality shade; however, the alder growing along the road will probably be removed if the road is rehabilitated in the future.

Describe unaccessible habitat: NA

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- The wetland area is typical of side hill wetland. Water drains into an area of sedges and other wetland species and it is mixed with spruce, cedar and upland shrubs such as: elderberry, salmonberry and cascara.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to Little Muddy Cr. (20.0115?): Poor Fair Good

- Both the egress of Little Muddy Creek to Thunder Creek and the egress of Surprise Creek to Little Muddy Creek are open and accessible

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

Adult- Unknown None Poor Fair Good

- In February of 1996, four minnow traps were set in this stream from the road crossing, upstream to the source.
- Seventeen coho were captured; ten of them were caught below the culvert on the D-2420.

Other species access and use: Chum Pink Sockeye Chinook Trout

- On February 1996, five trout were also captured in the minnow traps. All five were caught below the culvert on the D-2420.

Habitat Improvements:

Enhancement opportunities:

Possible project type:

- Culvert removal
- Plank weirs

Equipment access:

- A light tractor might be able to cross what is left of the bridge but otherwise, no access.

Additional Comments:

- Since most of the fish caught in the minnow traps were below the culvert, it would appear there is a passage problem with the culvert; it should be removed or replaced.
- There are two culverts at this location, an 18 inch and a 36 inch; the smaller pipe contains most of the flow. The larger pipe functions when the smaller pipe is at capacity, but it will not pass fish due to a severe slope.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

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

DATE: 2/27/96

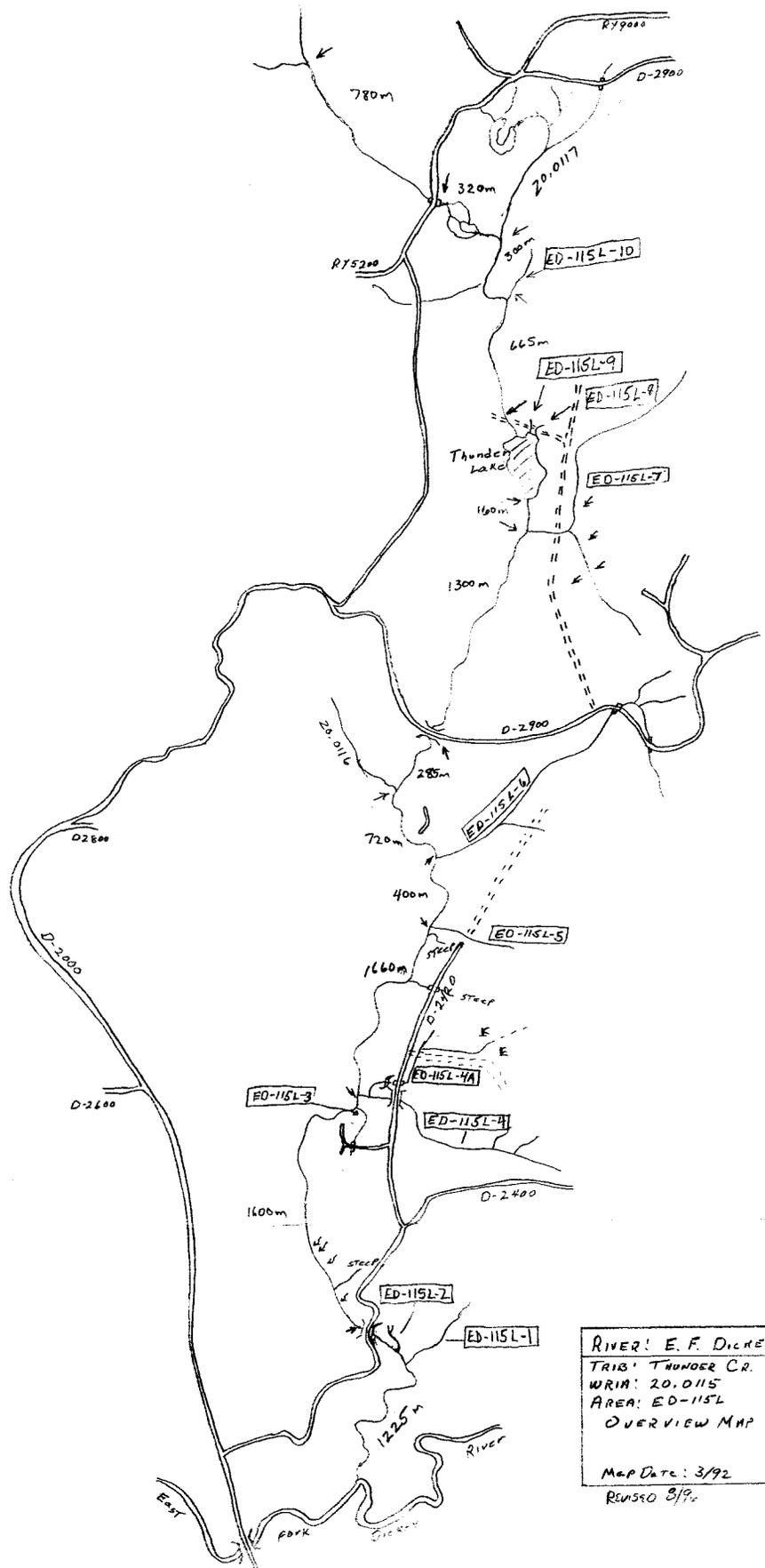
OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO		RBT	CATCH	
	SET	TEMP	PULLED	TEMP	UMRK	MRK		CUTT	COTTID
1	3/27	4.5°C	3/28	3.0°C	0	0	0	0	0
2	3/27	4.5°C	3/28	3.0°C	7	0	0	0	0
3	3/27	4.5°C	3/28	3.0°C	10	0	0	5	0
TOTALS:					17	0	0	5	0

COMMENTS:

- Trap 1 was placed in the ditch line along D-2420 about 30 m above #2 trap.
- Trap 2 was placed in the ditch just above the culvert for a spur to the D-2420.
- Estimated length 110-135 mm
- Trap 3 was placed Trap #3 was set in the plunge pool of the culvert under the D-2420 line.
- The culvert under road D-2420 appears to be a partial barrier.



RIVER: E. F. DICKEY TRIS: THUNDER CR. WRM: 20.015 AREA: ED-115L OVERVIEW MAP MAP DATE: 3/92 REVISED: 8/92

RIVER: E.F. DICKEY

TRIB: THUNDER CR. 20.0115

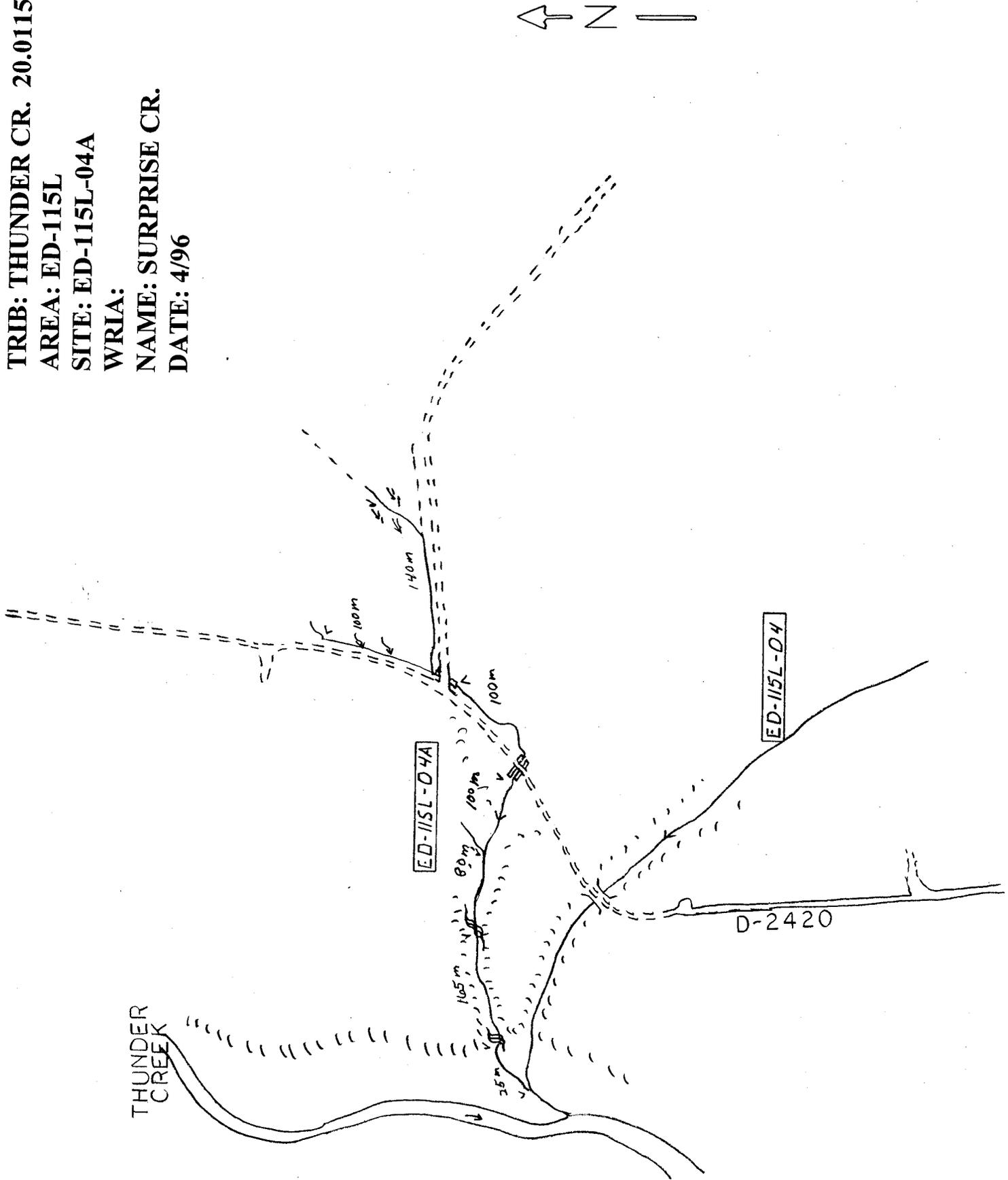
AREA: ED-115L

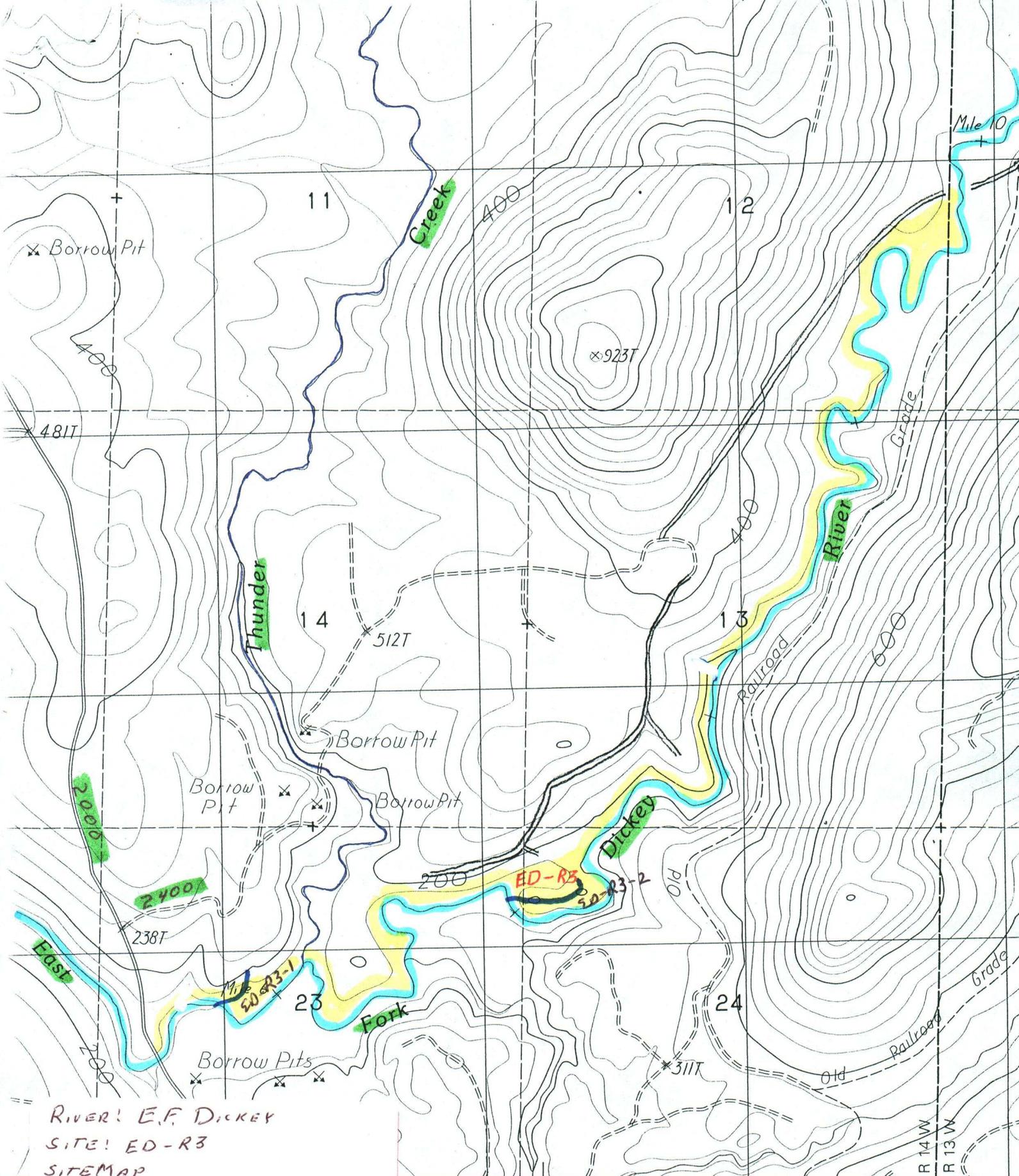
SITE: ED-115L-04A

WRIA:

NAME: SURPRISE CR.

DATE: 4/96





RIVER: E.F. DICKEY
 SITE: ED-R3
 SITEMAP

Map Date 3/11

BIOLOGICAL SURVEY
 USGS, NOS/NOAA
 I 1977 AND 1978
 D 1984
 PERT CONFORMAL CONIC
 RCATOR ZONE 10
 HINGTON NORTH ZONE

NORTH

391 27' 30" 392 393

SCALE 1:24 000

