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): Powell

River System: W.F. Dickey (20.0097)

Date: 1/5/95 & 1/26/95

Site Identifier: WD-153L-02

WRIA: 20.0157 A

River Mile Location: 2.5 mi.

RB/LB: LB

Local Name: Labrador Creek

Trib. to: 20.0153 Ponds Creek

Legal Description: NE¼ Sec 34 T31N R14W

County: Clallam

Habitat Type: Terrace tributary

Landowner: () Federal () State () County () Other Government (X) Private
- Rayonier Timberlands Inc.

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 Road. 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, a key is required to get through the gate. A key can be acquired at the Rayonier Timberlands Inc. office or the DNR office.). Continue through the gate for 3.2 mi. This culvert crossing is WD-153L-02. There is an old spur road ~0.1 mi above this point, on the left hand side of the road, which leads to the lower reach of this system.

Habitat Information:

Water source:
- Surface runoff, springs, and associated wetlands.

Intermittent/year-around: Intermittent.
- On 5/23/95, there was no flow through the D-9000 culvert; water was pooled below culvert.

Estimated flows (cfs): Lower end: 1 - 2 Upper end: 0.25 - 0.5

Water temperatures: Lower end: 5° C Upper end: 7° C

Adjacent stream temperature: 5°C (20.0153)

Other water observations:
- Tannic colored water.
- Numerous small channels in the lower reach.

Site area measurements: () Indirect () Direct (X) Combination
Width: Channel- 0.5 - 1.5 m; Pond- 5 - 10 m; Wetlands- up to 200+ m
Depth: Channel- 10 - 30 cm; Pond- 1.5+ m; Wetlands- variable
Total length surveyed: 1945 m

Total existing habitat area (est.): 2500 m^2
Spawning area: 400 m^2
Impounded area: 1000 m^2
Other rearing area: 1100 m^2

Spawning habitat conditions: () None (X) Poor () Fair () Good () Excellent

Describe spawning habitat:

- Lower reach has gravel from road fill which has washed down due to a beaver dam plugging a culvert.
- The majority of the channel substrate consist of mud, silt, detritus, and a small amount of gravel. High gradient tributaries recruit gravel.

Rearing habitat conditions: () None () Poor () Fair (X) Good () Excellent

Describe pond and other rearing habitat:

- The pond area was created from beavers plugging an old road grade culvert.
- Below the D-9000 road, the channel is low gradient with numerous small pools and braid running in various directions. Juvenile fish could get trapped in these areas during dry periods.
- There is an abundance of in stream cover from sedges/rushes and woody debris. The side stream cover is varieties of brush, alder, and small conifers.
- This system has tannic colored water.

Unaccessible habitat:

- Access may be limited to higher flows above the beaver dam.
- Culvert on the D-9000 may pose as barrier to migratory fish due to a 1 m plunge.
- Logging slash, in the upper end, could be a barrier.

Wetland information: (X) Bog (X) Marsh (X) Scrub-shrub Wetland (X) Forested Wetland

- The wetlands are primarily in the area between the old road grade and the D-9000. It is approximately 700 m long with variable widths up to 200 m.
- The marsh wetland is the largest and is comprised of sedges, rushes, water parsley, and skunk cabbage.
- The shrub wetland contains varieties of brush.
- The forested wetland is below the D-9000 and sporadically surrounds the shrub wetlands. It contains alder, skunk cabbage and sedges.
- There is a small area that has bog characteristics: it contains labrador tea and sphagnum moss. This area is southwest of the stand of large trees which are below the D-9000.

Flooding potential: (X) Low () Medium () High

- High velocity flows are evident in the mid and upper reaches.

Fish Information:

Site entry condition to (20.0153): () Poor () Fair (X) Good

- Entrance is wide and low gradient.
- There is LOD in 20.0153 near channel entrance.

Coho access and use: Juvenile- () Unknown () None () Poor (X) Fair () Good
Adult- (X) Unknown () None () Poor () Fair () Good

- Access may be limited to higher flows for passage over beaver dam.
- The lower and mid reaches would be affected by low flows due to braiding and subsurfacing.
- There is a 2 foot culvert with a 0.75 m plunge at the D-9000.
- The upper reach has ~50+ m of in stream debris due to old logging activity. It is uncertain if this jam is passable.

Other species access and use: () Chum () Pink () Sockeye ()Chinook (X) Trout

- Trout were observed below plugged culvert.

Habitat Improvements:

Enhancement opportunities:

- Pull plugged culvert but maintain integrity of dam for pond area.
- Fish passage into pond area.
- Replace culvert on the D-9000.
- Spawning pads in lower reach of channel.
- Remove slash in upper end of channel

- Equipment access: There is good access via old road grades to the lower and upper reaches.

Additional Comments:

GPS: (decimal degrees, Datum WGS84): 11/27/02
roughen channel - N48.14041, W124.47653

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: 9/21/95 **OBSERVER:** Powell

Wet August - Dry September: Water is still impounded behind the blocked culvert; it appears to have gone down 0.3 - 0.5 m. The temperature of the pond was 17° C. There was a minute flow seeping through the culvert. The stream bed was dry at the D-9000 culvert crossing.

DATE: 1/10/96 - 1/11/96 **OBSERVER:** Darrow and Powell

ATCH TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO UMRK	RBT MRK	CUTT	COTTID	
1	1/10/96	4.5° C	1/11/96	4.0° C	1	0	0	0	17
2	1/10/96	4.5° C	1/11/96	4.0° C	0	0	0	0	5
3	1/10/96	4.5° C	1/11/96	4.0° C	0	0	0	0	7
4	1/10/96	4.5° C	1/11/96	4.0° C	1	0	0	0	16
5	1/10/96	4.5° C	1/11/96	4.0° C	0	0	0	0	37
6	1/10/96	4.5° C	1/11/96	4.0° C	2	0	0	0	0
7	1/10/96	4.5° C	1/11/96	4.0° C	0	0	0	0	13
8	1/10/96	4.5° C	1/11/96	4.0° C	2	0	0	0	5
				TOTALS:	4	0	0	0	100

COMMENTS:
- Traps 1, 2, and 3 were placed in the wetland area where WD-153L-03 enters into WD-153L-02.
- Trap 4, 5 and 6 were placed around beaver pond area (above blocked culvert).
- Traps 7 and 8 were placed below (~15 - 30 m) blocked culvert/beaver pond.

DATE: 11/13/00 **OBSERVER:** King

Project is in good shape. No beaver activity. Has not had a heavy flow to test it yet. No fish were observed.

DATE: 1/3/01 **OBSERVER:** Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH COHO	RBT	CUTT	COTTID
1	1/2	6.5°C	1/3	6.5°C	7	0	6	5
2	1/2	6.5°C	1/3	6.5°C	4	0	1	3
3	1/2	6.5°C	1/3	6.5°C	11	0	1	0
4	1/2	6.5°C	1/3	6.5°C	0	0	1	0
5	1/2	6.5°C	1/3	6.5°C	3	0	5	2
6	1/2	6.5°C	1/3	6.5°C	0	0	2	1
7	1/2	6.5°C	1/3	6.5°C	0	0	0	0
8	1/2	6.5°C	1/3	6.5°C	0	0	0	0
9	1/2	6.5°C	1/3	6.5°C	0	0	0	0
10	1/2	6.5°C	1/3	6.5°C	0	0	0	0
				TOTALS:	25	1	16	11

Average size: 87.6 mm STD: 9.2 Min-Max: 73-113 Count: 25 fish

COMMENTS:
-Trap 1 was placed below the lowest plank control where gravel apron ends.
-Trap 2 was placed 3 - 4 meters above top plank control.
-Trap 3 was placed about 5 meter above top control.
-Trap 4 was placed about 35 meters upstream of top dam board.
-Trap 5 was placed about 90 meters upstream of project control area.
-Trap 6 was placed in pool at junction with WD-153L-03.
-Traps 7 and 8 were placed in WD-153L-03, downstream of the 9000 culvert.
-Trap 9 was placed about 65 meters downstream of the 9000 culvert.
-Trap 10 was placed directly below the 9000 culvert.

DATE: 4/5/01 **OBSERVER:** Darrow

Lower than normal precipitation this winter and early spring. Zero erosion on new banks. Did plant some red osier dogwood this spring. Roughened channel and controls are fine. This site received two totes of coho carcasses from the Sol Duc Hatchery for nutrient enrichment.

DATE: 4/4/01 **OBSERVER:** Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH COHO	RBT	CUTT	COTTID
1	4/3	7°C	4/4	6.5°C	0	0	0	10
2	4/3	7°C	4/4	6.5°C	0	0	0	38
3	4/3	7°C	4/4	6.5°C	1	0	1	6
4	4/3	7°C	4/4	6.5°C	0	0	0	32
5	4/3	7°C	4/4	6.5°C	0	0	0	21
6	4/3	7°C	4/4	6.5°C	1	0	0	6
7	4/3	7°C	4/4	6.5°C	1	0	0	23
8	4/3	7°C	4/4	6.5°C	0	0	0	0
9	4/3	7°C	4/4	6.5°C	0	0	0	0
10	4/3	7°C	4/4	6.5°C	0	0	0	2
				TOTALS:	3	0	1	138

Average size: 93.0 mm STD: 7.0 Min-Max: 84-101 Count: 3 fish

COMMENTS:
-Trap 1 was placed upstream of upper plank control at outlet of pond.
-Trap 2 was placed in mid pond area.
-Trap 3 was placed in lower-mid end of pond on the left bank.
-Trap 4 was placed about 25 meters upstream of top control.
-Trap 5 was placed about 35 meters upstream of top control on right bank.
-Trap 6 was about 40 meters upstream of trap 5.
-Trap 7 was placed near confluence of WD-153L-03.
-Trap 8 was placed about 120 meters downstream of the 9000 culvert.
-Trap 9 was placed about 50 meters downstream of the 9000 culvert.
-Trap 10 was placed directly upstream of the 9000 culvert.

DATE: 10/17/01 **OBSERVER:** Nettnin

The creek is flowing. The disturbed areas are planted with red osier dogwood. The project looked good.

DATE: 6/1/02 **OBSERVER:** Darrow

Project looked real good. Vegetation is getting established. Observed a few 0+ coho at the lower end of the controls.

DATE: 11/27/02 **OBSERVER:** King

Looks good. Very little beaver activity. Did not observe any spawners on this date.
GPS: (decimal degrees, Datum WGS84):
roughen channel - N48.14041, W124.47653

DATE: 4/24/03 **OBSERVER:** King

Channel looks good. No fry observed. Small amount of beaver debris was removed.

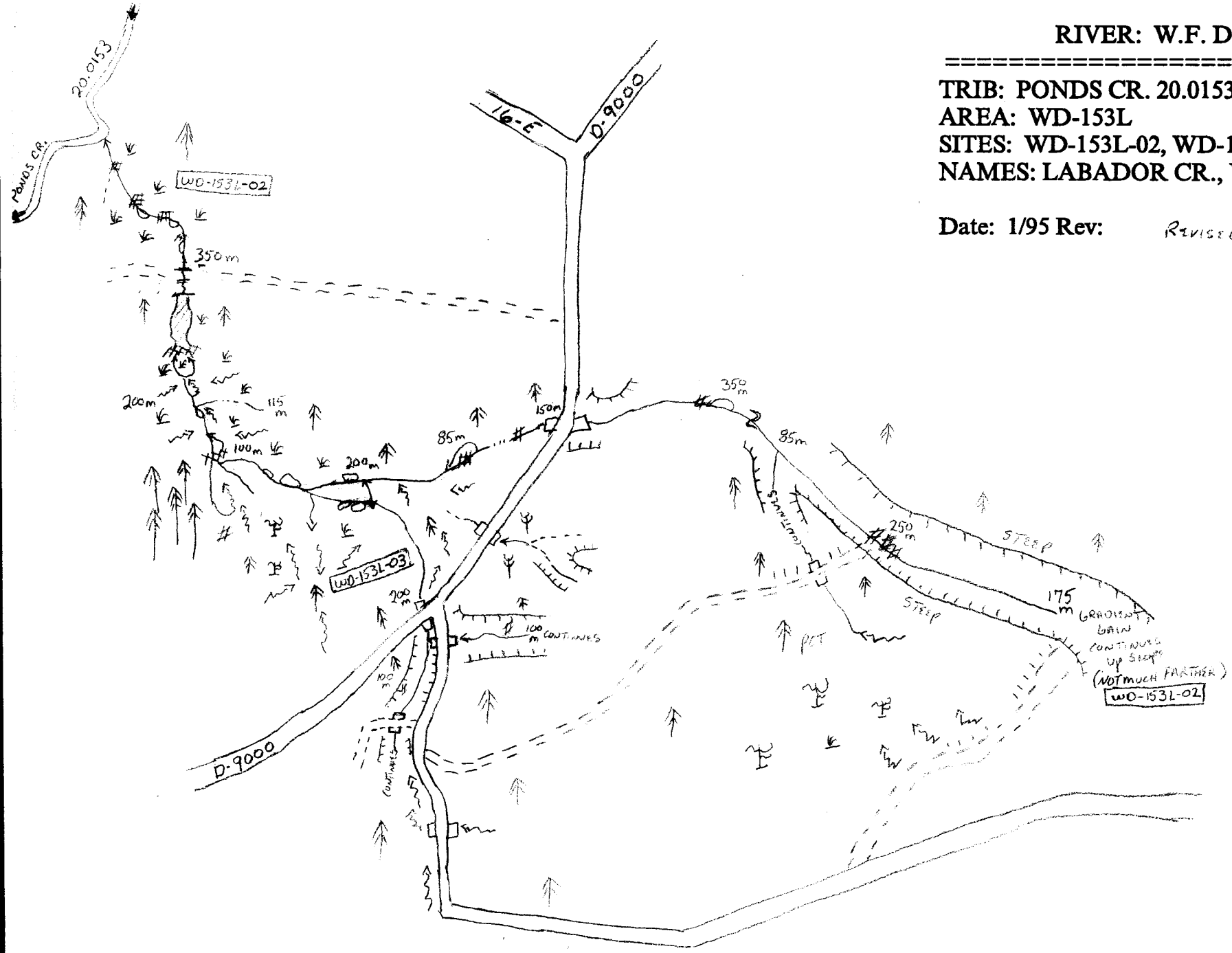
DATE: 10/22/03 **OBSERVER:** Nettnin

Project looks good.

RIVER: W.F. DICKEY

TRIB: PONDS CR. 20.0153
AREA: WD-153L
SITES: WD-153L-02, WD-153L-03
NAMES: LABADOR CR., UNNAMED

Date: 1/95 Rev: REVISED 9/00



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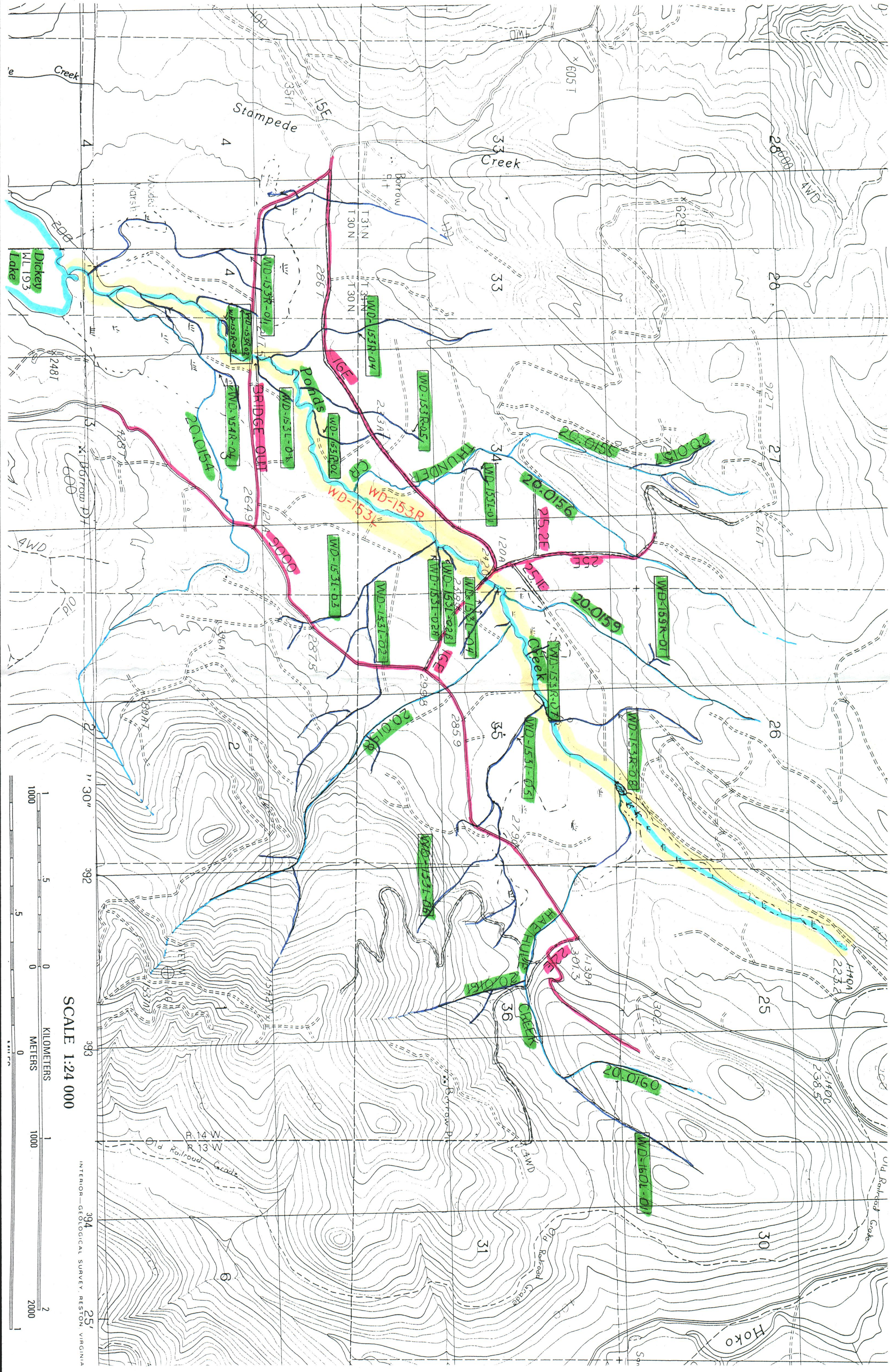

Stampede
Creek
Dickey Lake
WL 193
BRIDGE OUT
Ponds
WD-153R
WD-153L
WD-153R-01
WD-153R-04
WD-153R-05
WD-153R-07
WD-153R-08
WD-153L-01
WD-153L-03
WD-153L-05
WD-154R-01
WD-159R-01
WD-160L-01
20.0154
20.0155
20.0156
20.0159
20.0160
25.2E
25E
16E
9000
CREEK
Old Railroad Grade
Hoko
R 14 W
R 13 W
T 31 N
T 30 N
Borrow Pit
4WD
SCALE 1:24 000
KILOMETERS
METERS
INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA