



**Other water observations:** Tannic colored

**Site area measurements:**  Indirect  Direct  Combination

Width: Channel- 1 - 3 m

Wetlands- 2 - 4 m

Depth: Channel- 15 - 40 cm

Wetlands- 0.2 - 1 m

Total length: 2420 m

**Total existing habitat area (est):** 6020 m<sup>2</sup>

Spawning area: Mainstem = 20 m<sup>2</sup> Tribs = 0 Total = 20 m<sup>2</sup>

Impounded area: Mainstem = 2000 m<sup>2</sup> Tribs = 0 Total = 2000 m<sup>2</sup>

Other rearing area: Mainstem = 3600 m<sup>2</sup> Tribs = 400 m<sup>2</sup> Total = 4000 m<sup>2</sup>

**Spawning Habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe spawning habitat:**

- There are two areas that will allow very limited coho spawning, but may be conducive to good trout spawning; they are both below old grades that have washed out. The gravel is not very deep in either area but could readily be improved.
- Substrate throughout the rest of the channel is silt, mud or clay with scattered shows of small gravel.

**Rearing habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe pond and rearing habitat:**

- The impounded areas are created by beaver dams. The waters are confined mainly to the channel and do not spread out over the wetland.
- Most of the stream is low gradient and has associated wetlands.
- There is almost an over abundance of instream cover provided by woody debris and roots.
- Side-stream cover is provided by an abundance of salmonberries, salal and sedges.
- There is quality shade in only two reaches of this system. It is provided by a 50 -80 year old mixed forest and a 20 - 40 year old conifer forest. The rest of the system will remain unshaded for some time due to young trees growing in wetland conditions.

**Unaccessible habitat:** None

**Wetland information:**  Bog  Marsh  Scrub-shrub Wetland  Forested Wetland

- There are four associated wetlands along this stream. The lower one is a marsh and the other three are presently scrub-shrub that may grow into forested wetlands.
- Some plants the were observed are: water parsley (Oenanthe sarmentosa), slough sedge (Carex obnupta), cat tails (Typha latifolia), small fruited bulrush (Scirpus microcarpus), soft rush (Juncus effusus), sitka spruce (Picea sitchensis), western red cedar (Thula plicata), western yew (Taxus brevifolia).

**Flooding potential:**  Low  Medium  High

**Fish Information:**

**Site entry condition to Ponds Creek (20.0153):**  Poor  Fair  Good

- The channel egresses into an eddy of slow water.

**Coho access and use:** Juvenile  Unknown  None  Poor  Fair  Good  
Adult  Unknown  None  Poor  Fair  Good

- Juvenile access is inhibited by a beaver dam at the mouth of the channel. The dam will submerge when high flows occur in Ponds Creek.
- A coho pre-smolt was captured on 1/18/95 in the upper end of the system.

- Other species access and use:** ( ) Chum ( ) Pink ( ) Sockeye ( ) Chinook (X) Trout
- On 1/18/95, three cutthroat, one rainbow trout and 30 cottid were captured.
  - The trout were in the lower reach and the cottid were throughout the system.

**Habitat Improvements:**

**Enhancement opportunities:**

- Add spawning gravel in the two places where grades access the creek.
- Remove select debris from a least two places that inhibit fish movement.
- There is a badly braided area that is detrimental to fry. It is suggested to either open a channel along an existing overflow channel or open the main channel through this area.
- Equipment access: Good access to upper end of channel and to the lower end. An old grade accesses the middle.

**Additional comments:**

- The upper wetland areas appear to have been impacted by logging twice.
- It appears that in one place along the road, the stream channel was filled and the stream piped over the side. The stream channel below the road is badly braided and shallow. This is the area that needs channelizing.

**Attachments Available:**

Contact respective region manager for the following checked items:

- (X) Aerials                      (X) Sketch                      (X) Maps  
 ( ) Other references          ( ) Spawning surveys      (X) Juvenile trapping

**MINNOW TRAPPING REPORT**

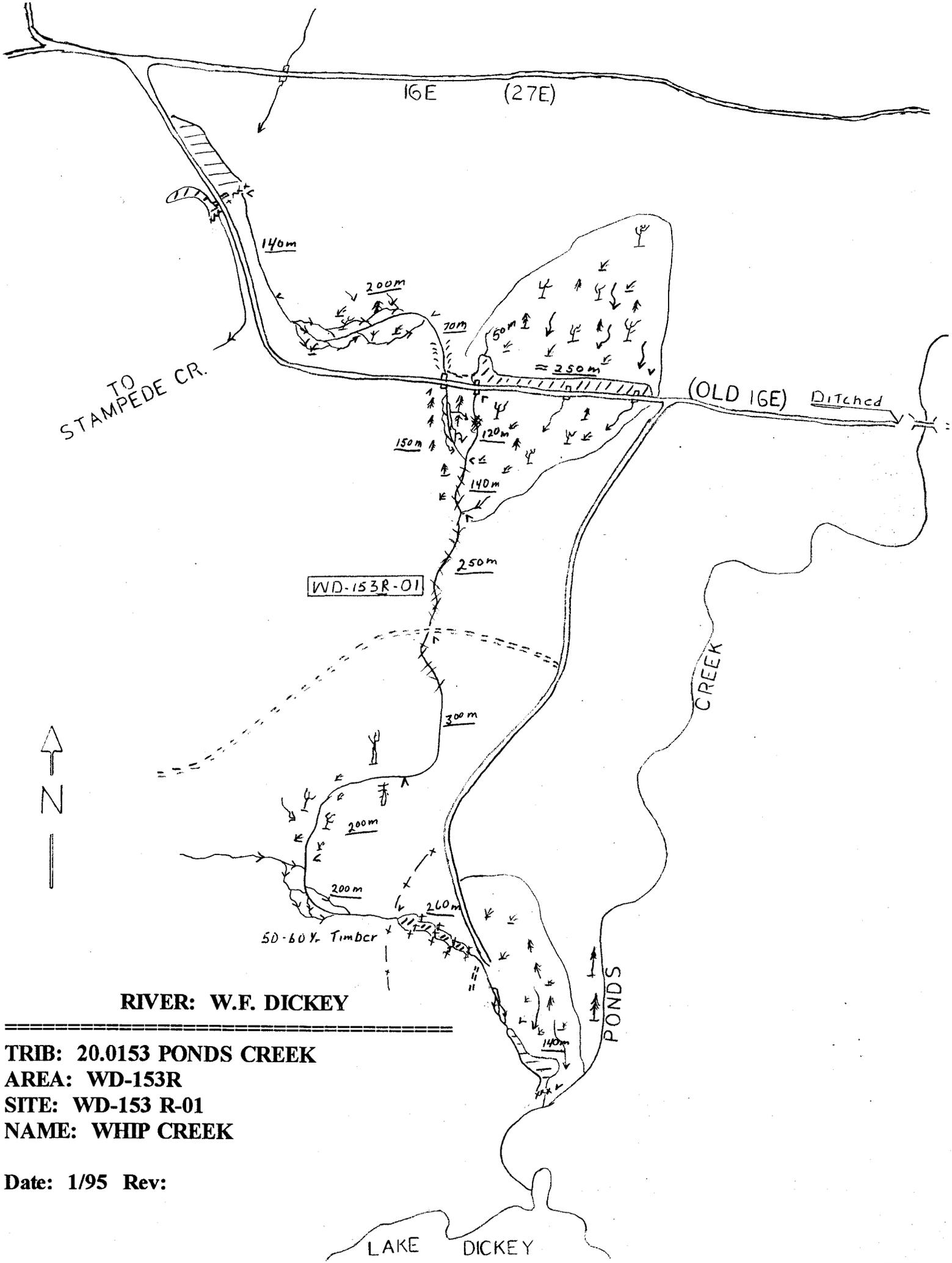
**DATE:** 1/19/95

**OBSERVER:** Nettnin

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO		RBT	CATCH	
					UMRK	MRK		CUTT	COTTID
1	1/17	5.5°C	1/19	-	0	0	0	0	12
2	1/17	5.5°C	1/19	-	1	0	0	0	5
3	1/17	5.5°C	1/19	-	0	0	0	0	0
4	1/17	5.5°C	1/19	-	0	0	1	2	3
5	1/17	5.5°C	1/19	-	0	0	0	0	10

**COMMENTS:**

- Trap one also has a crayfish.
- Trap three had two northwestern salamanders.

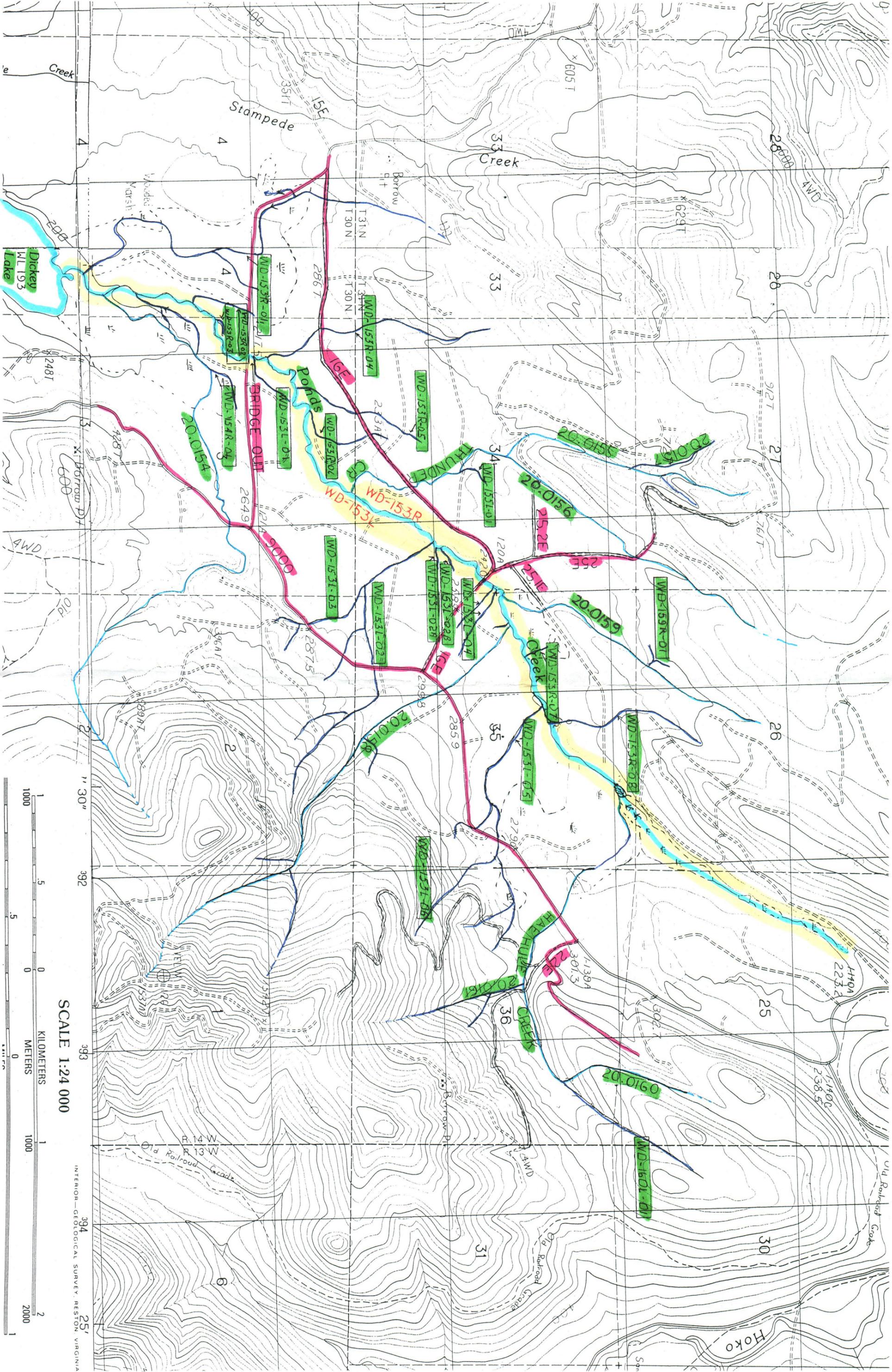


**RIVER: W.F. DICKEY**

**TRIB: 20.0153 PONDS CREEK**  
**AREA: WD-153R**  
**SITE: WD-153 R-01**  
**NAME: WHIP CREEK**

**Date: 1/95 Rev:**

**LAKE DICKEY**



SCALE 1:24 000

INTERIOR- GEOLOGICAL SURVEY, RESTON, VIRGINIA

