

DISCHARGE MEASUREMENT NOTES

Checked by

Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____

Weighted M. G. H.				changed to at
G. H. correction				Correct
Correct M. G. H.				Levels obtained

conditions: Cross section at culvert throat

Flow _____ Weather Fair

Other _____ Air 75 °F@ _____

Gage _____ Water _____ °F@ _____

----- Record removed ----- Intake flushed ^U_L -----

Observer _____

Control

Remarks Round Prairie Creek culvert below Villeli's diversion to a pond, adjacent to his home.

G. H. of zero flow ----- ft.

August 9, 2007

Memo To: The File
From: Keith Franklin
Subject: Richard Villelli Trust Application, 98-7859

On August 8, 2007, Greg Taylor and I visited the site where Mr. Villelli's diversion from Round Prairie Creek to an existing pond is located. The purpose of the visit was to obtain a stream flow measurement in Round Prairie Creek. Round Prairie Creek, at this location, resembles a wide swampy area with not enough of a defined channel to actually perform a stream flow measurement. A five foot diameter culvert, located downstream of the Villelli diversion, did provide an adequate location to obtain a flow measurement by use of a current meter. Flow at the culvert location was calculated to be 1.4 cfs.

The water elevation in the Villelli pond appeared to be the same elevation as the water level in Round Prairie Creek. No flow was observed flowing through the Villelli culvert into the pond. Mr. Villelli's son, who was present during the flow measurement, stated the flow in Round Prairie Creek is usually a lot lower during this time of year than it is now. Also, he stated when the creek is lower; the invert to Villelli's culvert from Round Prairie Creek to the pond is out of the water by about 8 to 10 inches. The Villelli culvert appeared to be a 15-inch corrugated black plastic pipe.

8/8/07



Flow measurement culvert on Round Prairie Creek

8/8/07



Culvert where flood measurement occurred on Round Prairie Creek



8/8/07

8/8/07



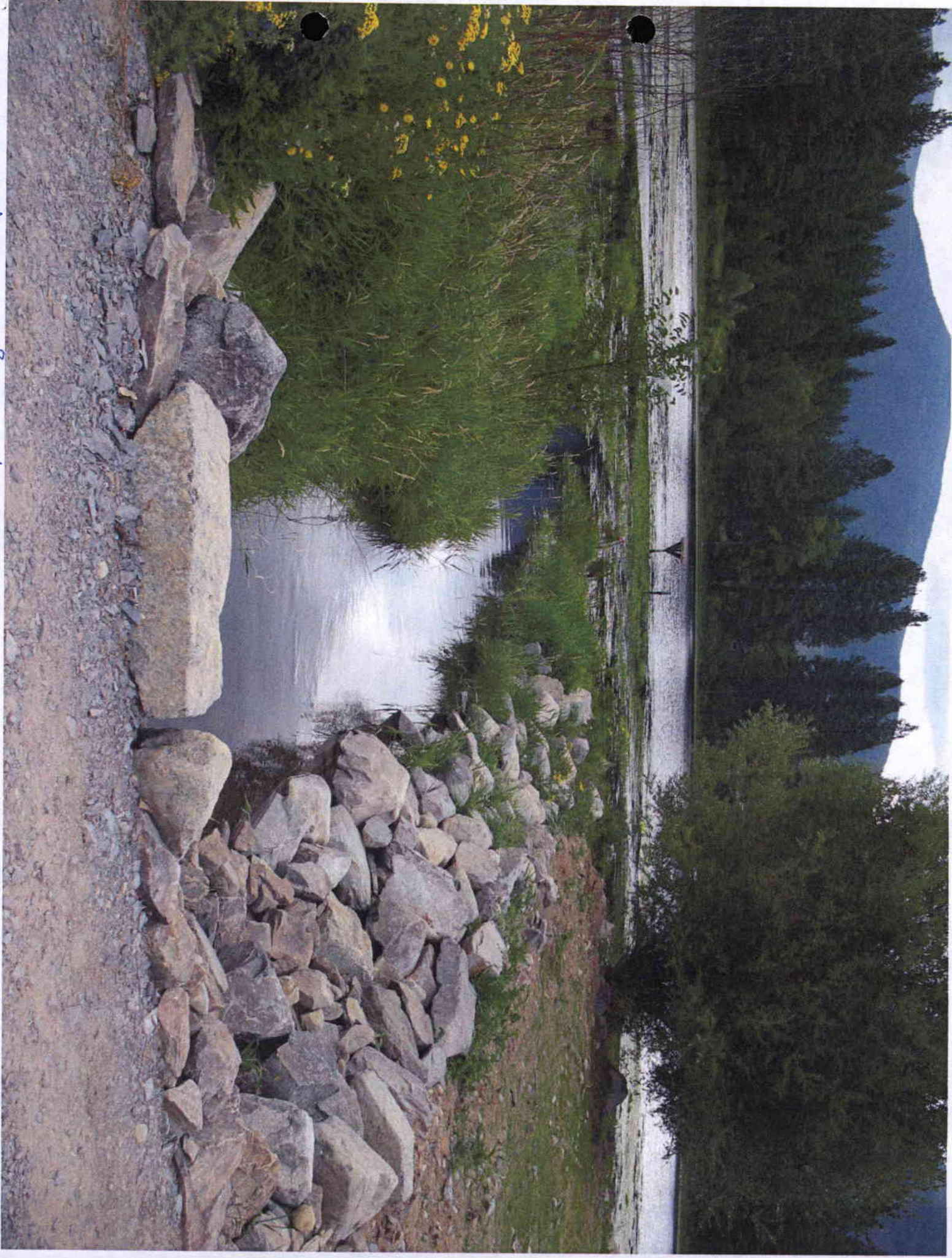
Culvert inlet to Villet's Pond

8/8/07



outlet to Vellellie's culvert to the Pond

8/8/07



Channel from Vail to the Vail: Road