

LIST OF 1989 SOIL SAMPLES FOR NEUTRON ACTIVATION

The purpose of this exercise, which was suggested by Mike Gareau, is to evaluate the reliability of the geochemical gold analyses of the soil samples collected in 1989. The 1989 results show a number of clearly anomalous Au values, but their distribution varies from poorly defined clusters to spot highs. Consequently the data is difficult to interpret. One explanation of the poorly defined clusters is that the data is influenced by a nugget effect. If a significant portion of the gold is present as large flakes the size of the subsample used for neutron activation, which is 30 gm, would provide a more representative sample than the 10 gm subsample taken for standard geochemical analysis.

It is proposed to analyse 79 samples from target area C3 and 129 samples from target area C7. The ~~+80 and~~ -80 mesh portions of each sample, both of which were saved, will be combined and pulverized before the 30 gm subsample is taken for neutron activation. If the data are a clear improvement over the 1989 data, selected samples will be reanalyzed several times in order to determine the reproducibility of the method.

It is suggested that the analyses be done by Activation Laboratories Ltd. of 1336 Sandhill Drive, Ancaster, Ontario, L9G-4V5 (phone 416-648 9611). The sample preparation will be done by Tech Services Lab. at Unit 108, 2971 Viking Way, Richmond, B.C., V6V-1Y1 (phone 270 4669).

The cost per sample will be \$2.50 for preparation and \$10.50 for analysis. Each duplicate analysis will be \$10.50. The cost for 208 samples, exclusive of duplicate analyses and shipping, will be \$2704.00.

The following is a list of the samples selected.

Target Area C-3

GO AHEAD AND USE -80 MESH ONLY

P9539 L7650N: 9300E to 9480E  
 P9614 L7700N: 9280E to 9460E  
 \* P9539 L7750N: 9280E to 9480E  
 \* P9380 L7800N: 9280E to 9480E  
 P9542 L7850N: 9380E to 9480E

P9541 L7900N: 9280E to 9480E P9539  
 \* P9613 L7950N: 9300E to 9480E  
 P9541 L8000N: 9300E to 9480E

Target Area C-7

P9543 L10050N: 9240E to 9500E  
 P9543 L10100N: 9200E to 9500E  
 P9615 L10150N: 9200E to 9500E  
 \* P9540 L10200N: 9200E to 9500E  
 P9543 L10250N: 9200E to 9500E

P9542 L10300N: 9200E to 9500E P9540  
 P9540 L10350N: 9200E to 9500E  
 \* P9540 L10400N: 9200E to 9480E  
 L10450N: 9200E to 9460E

N.B. Some of these sequences, mainly from target area C-7, have one or two grid stations that were not sampled.

McCONNELL CREEK (V239)

1990 TRENCH AND DRILL CORE SAMPLES FOR REANALYSIS

FOR DUPLICATION (ROCK GEOCHEM FOR GOLD)

Please assay values over 1000 ppb Au

33 PO547	14782	PO547	14797	PO573	14922	PO532	14584
	14786		14798	PO56A	14959	PO54A	14736
	14787		14799	PO573	15059	PO54A	14760
	14788		14800	PO572	15060		
	14789		14801		15071		
	14790	14814		15083			
	14791	14815		15096			
	14792	14838		15097			
	14793	14839		15167			
	14794	14840		52505			

FOR TRIPLICATE REANALYSIS (3 MORE ANALYSES, ROCK GEOCHEM GOLD)

Please assay values over 1000 ppb Au

WA PO547	14783	PO547	14807	PO572	15072
	14784*		14865*		15094
	14785*	PO56A	14901*		15095*
	14795*	PO573	14930*		15160*
	14796*		15058*		

\* Do triplicate analyses then do total metallic assay on remainder.

FOR TOTAL METALLIC ASSAY FOR GOLD

10 PO547	14784	PO56A	14901
	14785	PO573	14930
	14795		15058
	14796	PO572	15095
	14865		15160

LAB PROJECTS

532	(TR)
544	(TR)
547	(DDH)
564	(DDH)
572	(DDH)
573	(DDH)

W.G.S. October 31, 1990