

826655

INTERIM REPORT
on the
DIAMOND DRILL PROGRAM
on the
BOULDER MOUNTAIN PROPERTY
- COUSIN JACK ZONE -
of
GOLD RIVER MINES LTD. (NPL)
and
TEXAL DEVELOPMENTS LTD. (NPL)

May 1, 1973
Vancouver, B.C.

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COUSIN JACK ZONE

DRILL HOLE PLAN

SECTION 6600

SECTION 6650

SECTION 6700

SECTION 6750

Scale

1" = 40'

SUMMARY

On February 20, 1973 a diamond drill program was initiated on the Cousin Jack zone located within the East Shear Zone on the Boulder Mountain Property. As of April 28, 15 holes were completed for a total of 2092 feet.

The East Shear Zone is a north-southwest trending zone of chlorite, chlorite-sericite, and sericite-talc schists along the eastern portion of the property. A geophysical and geological survey on the property revealed the shear zone to extend 4000 feet north and 3000 feet southwest of the Cousin Jack showings.

Trenches, adits and sporadic outcrops along the zone reveal the presence of quartz veins up to four feet wide and carrying sphalerite and galena with lesser amounts of chalcopyrite, silver and gold. The mineralization also occurs as impregnations and replacements of the schists as well as along fracture planes in the more competent rocks. The quartz veins strike between 330° and 360° and dip from 20° to 55° to the west.

RESULTS

The results of drilling to date have outlined a zone of continuous mineralization for 450 feet along strike, from five to thirty feet thick and up to 100 feet wide. The zone consists of mineralized quartz veins of varying widths within a schist, which is relatively barren, although may be well pyritized.

The foot wall of the zone is always comprised of gouge and mylonite which is up to 20 feet thick and which passes to reddish and green unshered meta volcanics. A greenstone unit sandwiched between a lower shear zone, containing the bulk of the mineralization and an upper more competent shear zone may contain mineralized quartz veins or stringers along a maximum of ten feet of the foot wall. The greenstone is up to 46 feet wide and may be slightly schistose.

The mineralized sections of the drill holes to date on the Cousin Jack Zone assayed as follows:

COUSIN JACK ZONE

<u>Hole No.</u>	<u>Footage</u>	<u>Assay</u>				
		<u>% Cu</u>	<u>% Pb</u>	<u>% Zn</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>
73-A-11	0-5	0.10	0.39	2.70	0.08	0.18
73-A-13	15-20	0.06	0.52	4.55	0.03	0.05
	20-25	0.01	0.02	0.15	Tr.	Tr.
	25-30	0.04	0.23	3.38	0.04	0.12
	30-35	0.01	0.01	0.11	Tr.	Tr.
	35-40	0.45	0.01	2.24	0.001	0.05
	40-45	0.06	0.05	1.31	0.007	0.09
	45-50	0.03	0.02	0.04	0.003	Tr.
	50-55	0.11	0.64	2.84	0.023	0.46
	55-60	0.06	0.44	2.52	0.014	0.14
73-A-14	35-40	0.02	0.55	1.40	0.02	0.09
	40-45	0.13	1.53	4.12	0.08	0.38
	45-50	0.04	0.06	0.70	Tr.	0.08
	50-55	0.01	0.02	0.08	Tr.	Tr.
	55-60	0.10	0.73	1.90	0.04	0.25
	60-65	0.21	3.40	10.15	0.06	0.58
	65-70	0.01	0.05	0.29	Tr.	0.16
	70-75	0.07	0.98	3.86	0.20	0.41
73-A-15	65-70	0.06	0.48	1.64	0.07	0.13
73-A-16	65-70	0.04	0.10	1.50	0.03	0.02
73-A-17	67-72	0.01	0.14	1.29	Tr.	Tr.
	72-77	0.01	0.01	0.04	Tr.	Tr.
	77-82	0.05	0.12	6.12	0.01	0.06
73-A-18	43-49	0.01	0.03	0.26	Tr.	0.05
73-A-19	97-102	0.02	0.17	0.60	0.02	0.06
73-A-20	28-33	0.11	1.14	6.10	0.21	0.36
	33-38	0.01	0.06	0.27	0.005	0.01
	38-43	-	-	0.44	-	-
	43-48	-	-	0.17	-	-
	48-54	0.01	0.04	0.21	0.005	0.01

<u>Hole No.</u>	<u>Footage</u>	<u>% Cu</u>	<u>% Pb</u>	<u>Assay</u> <u>% Zn</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>
	54-59	0.31	0.31	1.74	0.04	0.42
	77-87	0.09	0.37	1.80	0.03	0.12
73-A-21	93-98	0.08	0.17	1.04	0.02	0.14
73-A-22	42-47	0.02	0.57	1.80	0.06	0.03
	47-52	0.04	0.06	0.79	0.01	0.02
73-A-23	in fault zone					
73-A-24	48-53	0.06	0.35	2.06		
73-A-25	53-58	0.05	0.53	2.54		
	58-63	0.01	0.02	0.15		
	79-86	0.03	0.57	1.24		

Drilling is continuing on the north, south and west extensions of the zone.

A preliminary tonnage and grade estimate was calculated from sections through the zone at 50-foot intervals. Each drill hole intersection was averaged for grade. The final grade was computed from the weighted average area of influence of each drill hole. A factor of 10 cubic feet of material per ton was used.

The tonnage figure was calculated from a zone 200 feet along strike. The zone was also intersected by drill holes 250 feet to the north, however, information was insufficient for tonnage calculation.

CONCLUSIONS

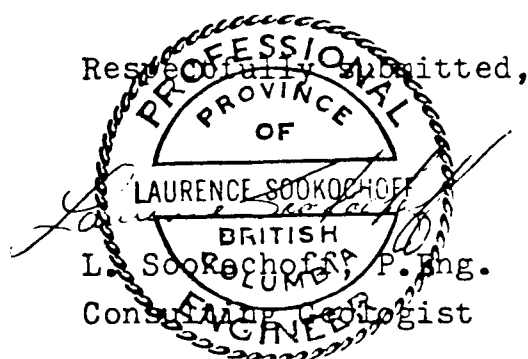
Drilling to date on the Cousin Jack zone has outlined 23,875 tons of drill indicated ore with an average grade of 0.41 % Pb, 1.95 % Zn, 0.08 % Cu, 0.03 oz/ton Au and 0.16 oz/ton Ag.

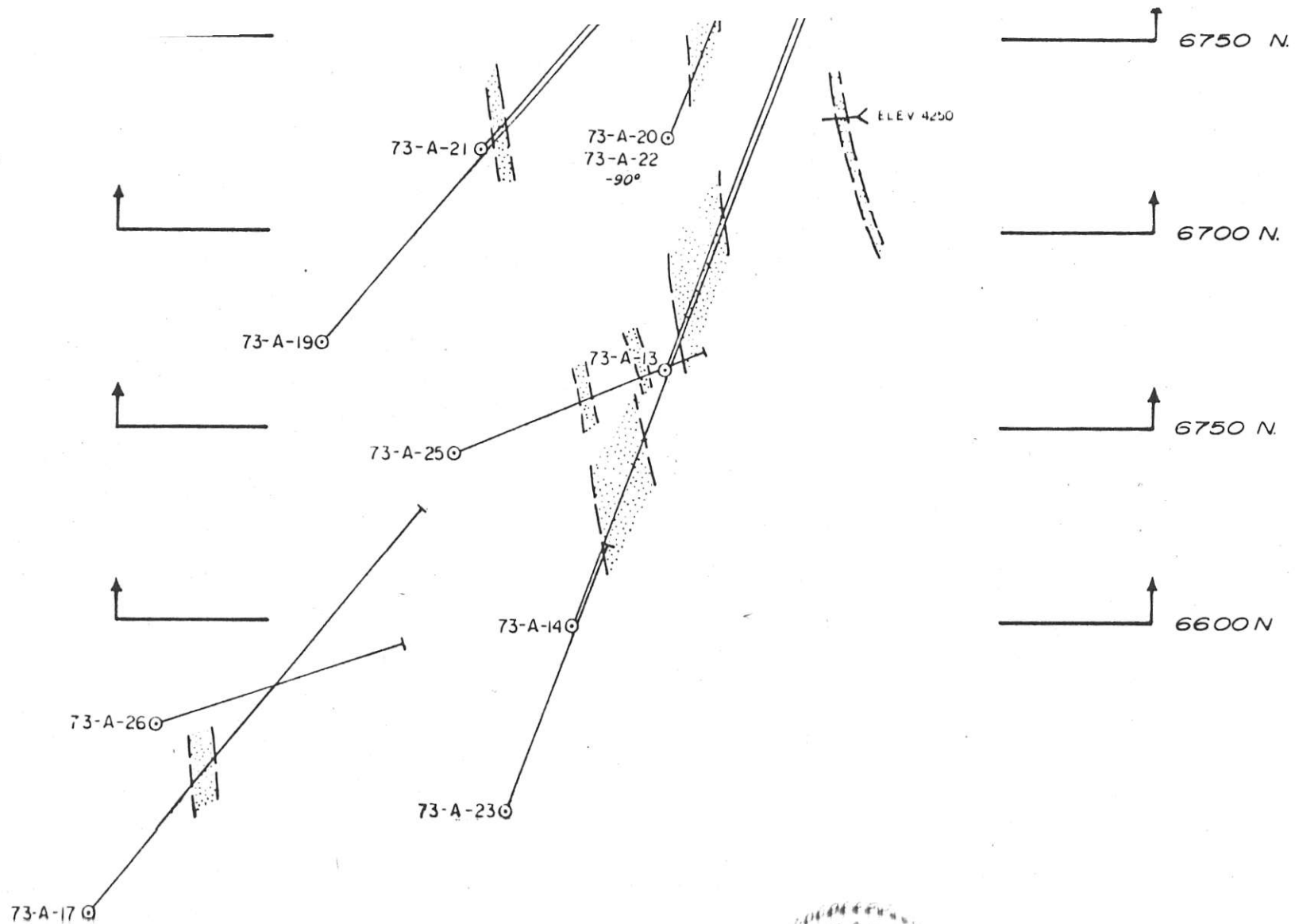
An estimated 75,000 tons of inferred ore is included in 200 foot extensions to the north, south and down dip. The inferred tonnage is estimated to be of similar grade as the drill indicated tonnage.

RECOMMENDATIONS

The drill program should be continued to delineate the zone to the north, south and west. The holes should be put down at regular spaced intervals of less than 100 feet.

Additional drilling should be carried out to test specific anomalous areas as outlined by the geophysical survey.





LEGEND

 Mineralized intersection
 proposed for adit



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 D RIVER MINES LTD. (N.P.L.)
 COUSIN JACK ZONE
 DRILL HOLE PLAN

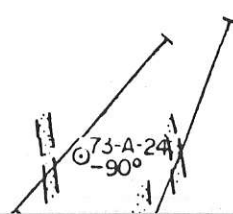
SCALE IN FEET

A

— 3900 E.

— 4000 E

— 4100 E



73-A-24

73-A-15

73-A-16

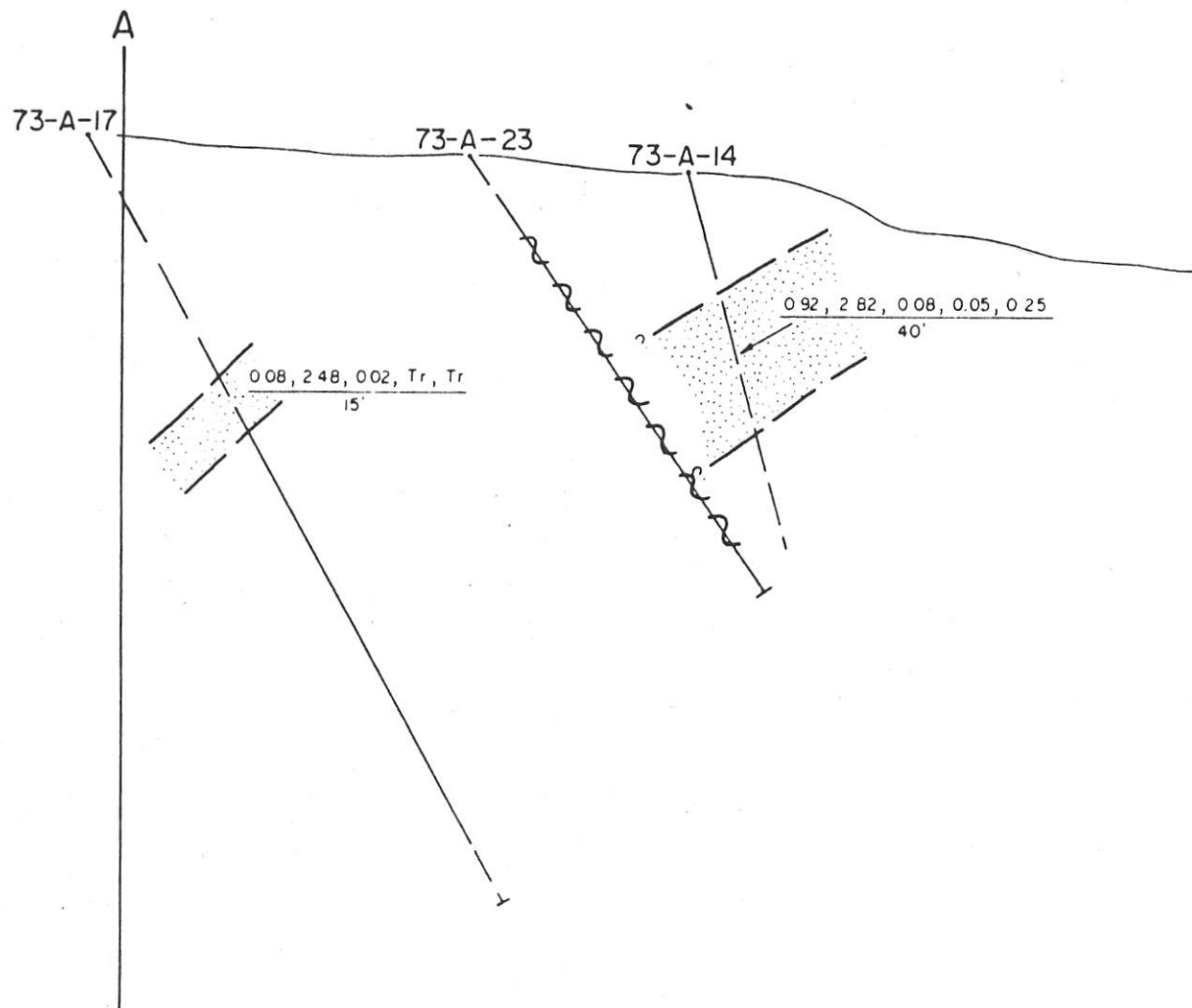
73-A-18

6800 N.

6900 N

7000 N.

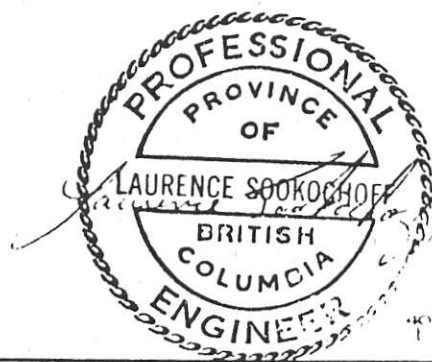
A'



ELEV 42'

Assay Sequence: Pb%, Zn%, Cu%, Au oz/ton, Ag oz/ton

 Mineralized Zone



T R TOUGH & ASSOCIATES LTD.
GOLD RIVER MINES LTD. (N.P.L.)
COUSIN JACK ZONE
SECTION 6600 N.

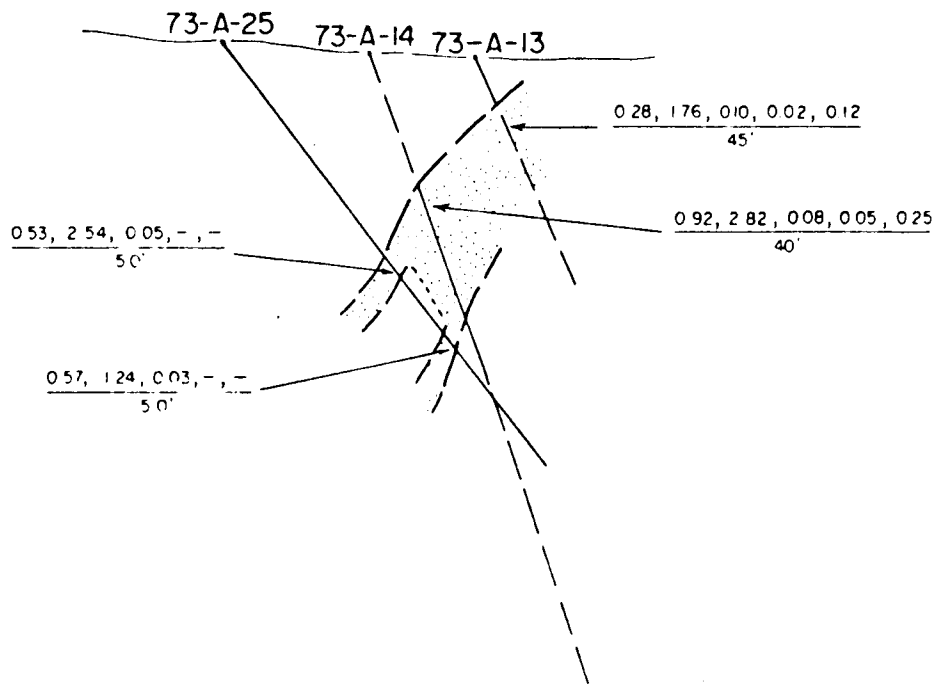
SCALE IN FEET



May - 73

A

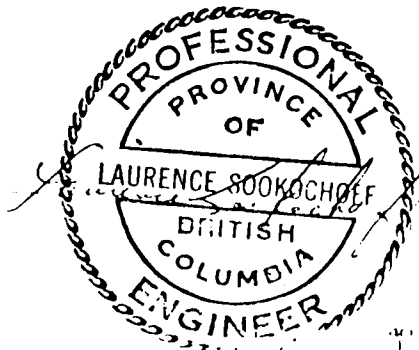
A'



ELEV. 4250

Assay Sequence Pt % Sn % Cu % Au oz/ton Ag oz/ton

Mineralized Zone

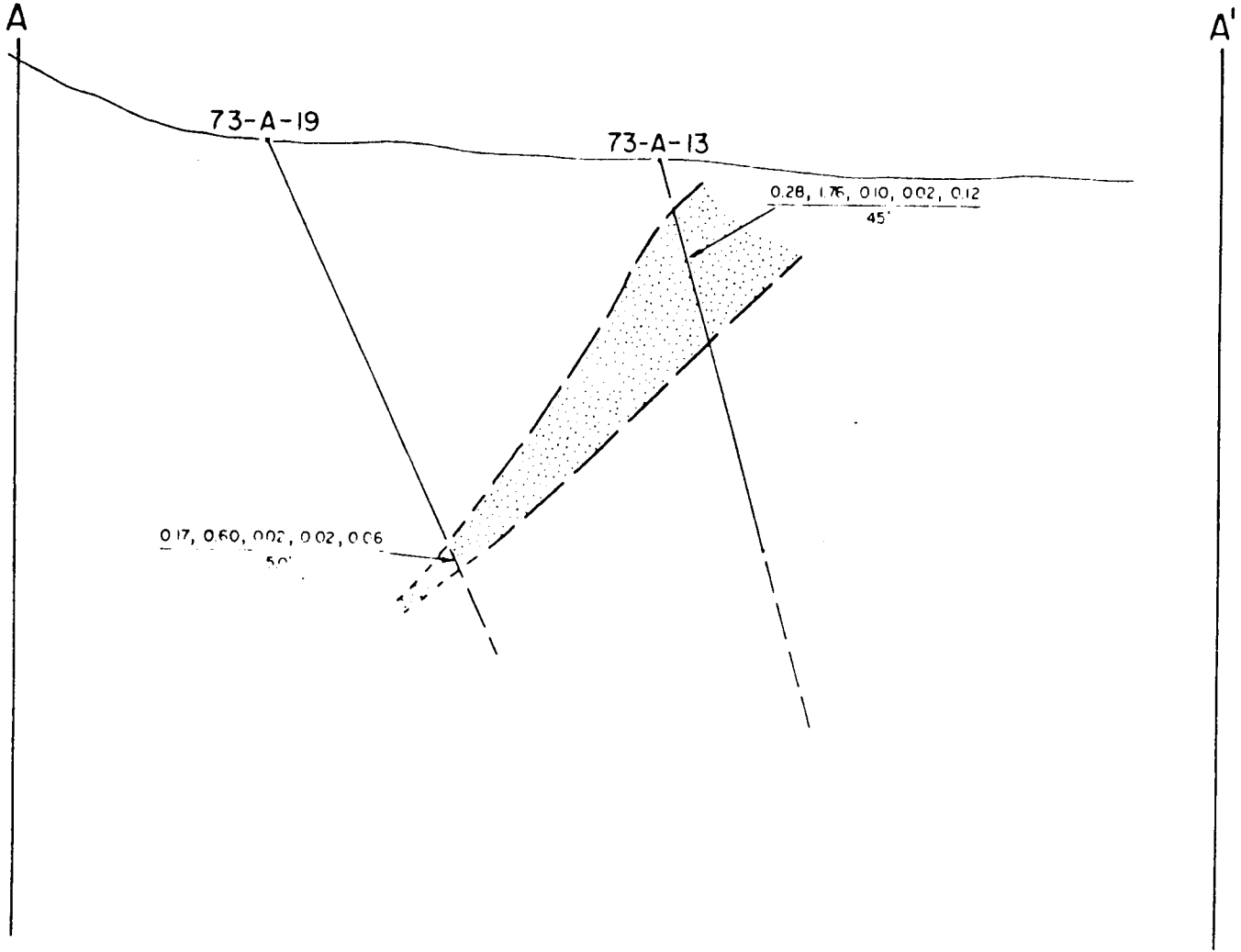


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COUSIN JACK ZONE


SECTION 6650 N.

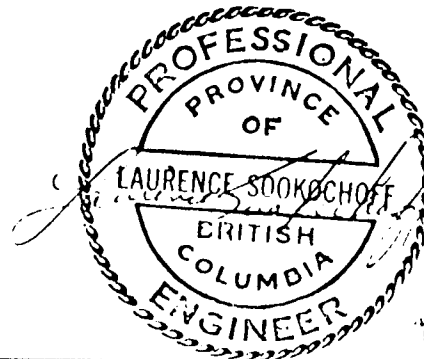
SCALE IN FEET





Assay Sequence: Pb%, Zn%, Cu%, Ag oz/ton, Ag oz/ton

 Mineralized Zone

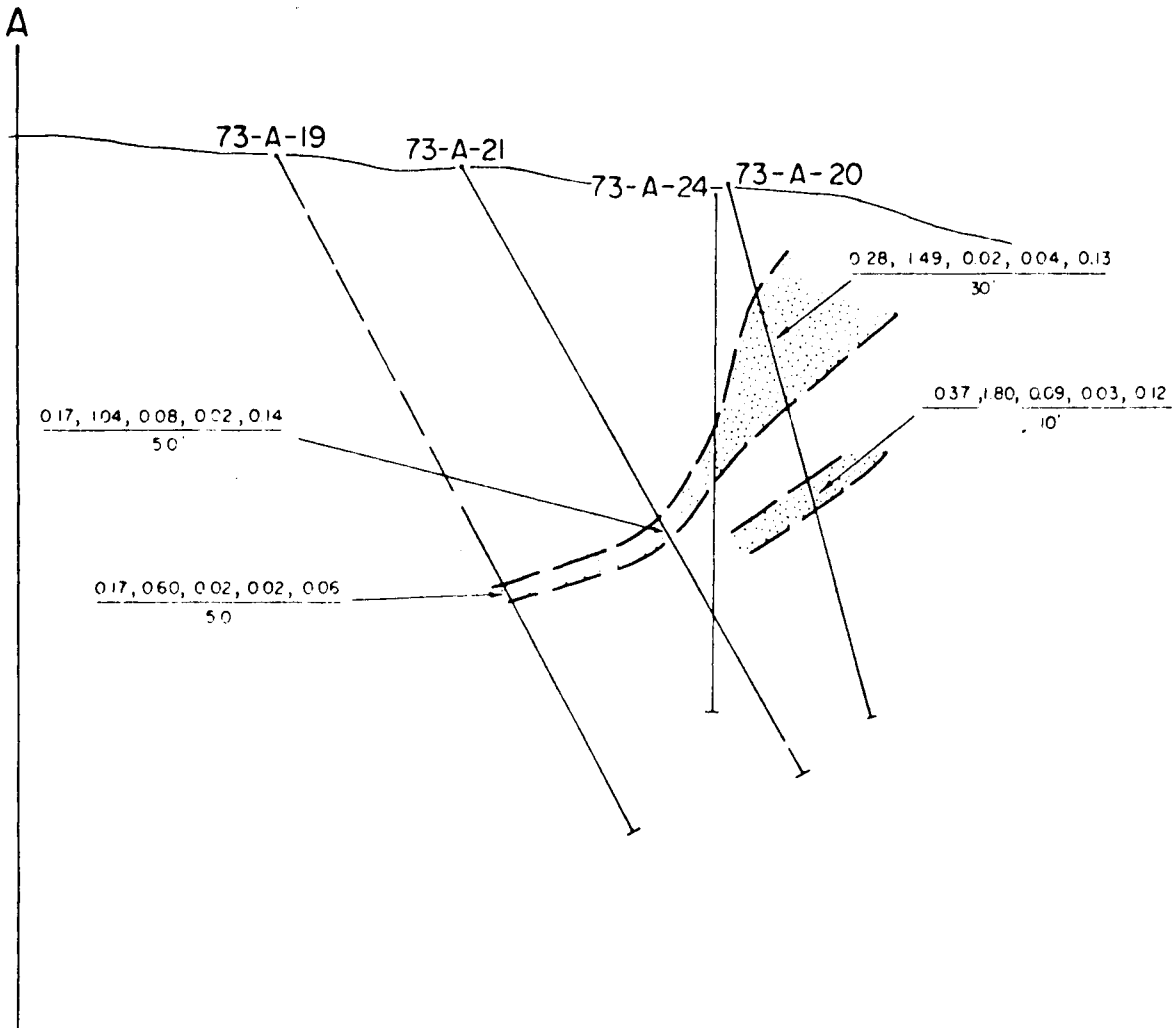


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 COUSIN JACK ZONE

SECTION 6700 N.

SCALE IN FEET

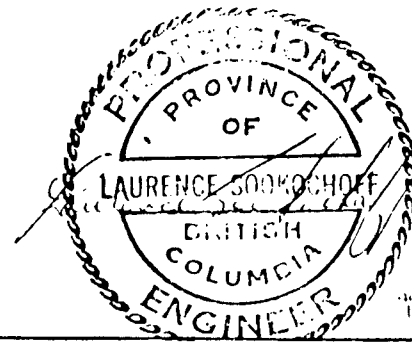




ELEV. 425

Assay sequence: Pb, Zn, Cu, Ag, Au, Fe, Mn, Ni, Co, Mo, U, V, Bi, W, As, Se, Te, Sb, Sn, Hg, Ti, Ca, Sr, Ba, K, Rb, Cs, Li, Na, Mg, Al, Si, P, S, Cl, Br, I, F, O, N, C, H

Mineralized Zone



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COUSIN JACK ZONE

SECTION 6750 N.

SCALE IN FEET

