July 14th/73. 671202
Lion Group
93M/16

CAMP CHARLIE

CAMP #6

DATE: July 8th - 13th/73

LOCATION: Northeast of Takla lake, West of Omineca creek, on lion claim group.

MAPS: 93M/16E, 1" = 400' sketch.

AIRPHOTOS: BC 1581: 85, 84, 86, BC2067: 103, 104.

SILT SAMPLES: Y-507 - Y-518, Y-422 - Y-443 34 SA.

SOIL SAMPLES: C-1 - C-122 122 SA

CLAIMS STAKED: Lion 5 - 14. 10 claims

MINERALIZATION: Abundant pyrite in most rx types depending on degree of alteration (recrystallization, etc), shearing and weathering. Another chalcopyrite showing was found southeast of the main showing - more extensive but lower grade. This #2 showing also seems to be bounded by large (moderately) shear zones. It occurs (JS-73-7-13-6, etc) in a black andesite + mudstone? coloured by abundant black chlorite along fracture surfaces. There is a small indirect zone of intrusive rocks probably present as a dyke (JS-73-7-13-6a). A small adit has been driven below an intensely oxidized band that shows up near the top of the cliff. Other mineral occurrences were noted in the camp #5 report. An interesting pyrite rich rock is JS-73-7-12-12 - a black limestone with pyrite.

GEOLOGY: See Geology Map of LION Group 1" = 400'

CHEMEX LABS LTD.
STREAM SEDIMENTS – WATER

COLLECTORS: J. SHEARER
AREA: LION GROUP
FIELD MAP: Air Photo BC 1581-85-86 etc
DATE: August 4-11th/73

RESULTS PLOTTED BY:
POSTING MAP:
DATE:

ANALYST:
METHOD: (A):
(B):
DATE:

SAMPLE NUMBER	NOTES	SEDIMENT DATA					STREAM DATA						DRY GULLY	SPRING	SEDIMENT RESULTS									WATER RESULTS		
															Field Tests			Lab. Tests								
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity	pH			Cu	HM		Mo	Cu	Pb	Zn					
Y-540	150'N of 425 - 82W Trb 320	x	x	x			x	x	1½	2"	S															
Y-541	60'N of 325 98W 280° big gully - small creek		x	x			x	x	1'	1"	S															
Y-542	200' dust fly ash CL & 300' upst from Y-405, 284°	x	x	x		x	x	x	1'	2"	S															
Y-543	at CL, I-71+72 +210' S Trb 260	x	x	x		x		x	6"	2"	S															
Y-544	at CL, I-71+72 +240' N. Trb 220°	x	x	x		x	x mossy	x	6"	1'	S															
Y-545	30' SE of CP 75+76 I. Prob Y-514 cr. 230°		x	x				x	3'	2"	MS															
Y-546	290° 30' upst from Ominiecatla cr. ~2500' dust from camp#9.	x	x	x				x	6'	1'	MF															
Y-547	230° 900' upst from Y-546 at head Trb.	x	x	x				x	5'	8"	MF															
Y-548	270°, 900' upst from Y-546	x	x	x				x	4'	8"	MF															
Y-549	340° 1000' upst from Y-547	x	x	x				x	2.5	5"	MS															
Y-550	264°, Y-549 + 1000'		x	x				x	2'	4"	S															
Y-551	254° Y-550 + 1000'	x	x	x				x	2'	3"	MS															
Y-552	260°, in scrub Alder tangle	x	x	x			x	x	2'	2"	S															
Y-553	Y-552 + 800', Last possible SA. 260°	x	x	x			x	x	1'	2"	S															
Y-554	240°, small creek Trb to Y-545 cr.		x	x			x	x	8"	1"	S															
Y-555	330°, in flat area	x	x	x				x	3'	5"	S															
Y-556	1000' upst from Y-549 in flat meandering st. 326°.	x	x	x				x	3'	8"	S.															
Y-557	1000' upst from Y-548 on 230° creek	x	x	x				x	5'	6"	MF															
Y-558	1000' upst from Y-557, 250° on bedrx Limy siltstone	x	x	x				x	5"	8"	F															
Y-559	260° several channels	x	x	x				x	—	6"	MF															
Y-560	218° into valley between 2 Andesite ridges	·	x	x				x	5'	6"	MF															
Y-561	1000' + Y-560, 240° Talus Andesite Calc Veins		x	x				x	4'	6"	M															
Y-562	Trb - 300°, 800' + Y-561	x	x	x				x	2.5'	6"	MF															
Y-563	220° main creek, 1000' + Y-561	x	x	x				x	2'	5'	M															
Y-564	Y563 + 1000' upst, poor SA.	x	x	x				x	2'	3"	M.															
Y-565	258°, 1200' upst Ominiecatla from CAMP	x	x	x				x	5'	8"	MF															
Y-566	Y-565 + 1000' upst 250°	x	x	x				x	6'	6"	M															
Y-567	Y-566 + 1000',	x	x	x				x	5'	6"	M															
Y-568	Y-567 + 1000' just below red tangle + ⊥L Limestone	x	x	x				x	4'	8"	M															
Y-569	Y-568 + 1000' on Limestone bedrx.	x	x	x				x	4'	6"	M.															

August 12 CAMP #9

CHEMEX LABS LTD.
SOIL SAMPLES

COLLECTOR: B. FRASER
RESULTS PLOTTED BY:
ANALYST:
AREA: Camp 8 - CHARLIE
MAP:
METHOD: H.M:
FIELD MAP:
DATE:
CU.:
DATE: AUGUST 10/73
DATE:

SAMPLE NUMBER	SAMPLE LOCATION	NOTES	TOPOGRAPHY					VEGETATION					SOIL DATA						FIELD SCREENED	VALUES				
			VALLEY BOTTOM	SLOPE UP	SLOPE DOWN	HILL TOP	LEVEL GROUND	HEAVILY WOODED	SPARSELY WOODED	BURNT	LOGGED	GRASSLAND	HORIZON SAMPLED	THICKNESS OF HORIZON	HORIZON DEVELOP-MENT GOOD	HORIZON DEVELOP-MENT POOR	PARENT MATERIAL DRIFT	PARENT MATERIAL BEDROCK		Mo	Cu	Pb	Zn	
	4S-16W	SEMI-SWAMP		M					✓				A	16"		X	X							
	4S-22W	BN., RTY.	✓						✓				A-B	14"		X	X							
	4S-28W	LT. BN.		M									B	16"	FAIR		X							
	4S-34W	BN.		MF									B	14"		X	X							
	4S-40W	RD. BN, RKY.		M									B	12"	X		X							
	4S-46W	BN, RTY		MF									B	14"		X	X							
	4S-52W	RD BN		MS									B	8"	X		X							
	4S-58W	RD BN, RTY.		M									B	12"	X		X							
	4S-64W	RD BN, RTY		M									B	8"	X		X							
	4S-70W	RD BN, RTY		M									B	12"	X		X							
	4S-76W	BN		M									B	8"	FAIR		X							
	4S-82W	RD BN		F									B	10"	X		X							
	4S-88W	BN, ALPINE		MF									B	10"	FAIR		X							
																	X							
	8S-86W	MED BN, ALPINE		MF									B	12"		X	X							
	8S-80W	BN		MF									B	10"		X	X							
	8S-74W	RD. BN, RKY.		M									B	10"	X		X							
	8S-68W	RD BN, RTY		M									B	10"	FAIR		X							
	8S-62W	MED BN.		M									B	10"		"	X							
	8S-56W	BL BN.		MF									A-B	15"		X	X							
	8S-50W	RD BN		MF									B	10"	FAIR		X							
	8S-44W	RD BN, RKY, RTY		M									B	10"	FAIR		X							
	8S-38W	RD BN, RKY, RTY		MF									B	10"	FAIR		X							
	8S-32W	MED BN		M									B	16"	"	X	X							
	8S-26W	DK BK-BN	✓	F									A	16"		X	X							
	8S-20W	DK BN		MS									A-B	14"		X	X							

CHEMEX LABS LTD.
SOIL SAMPLES

COLLECTOR: B. FRASER
RESULTS PLOTTED BY:
ANALYST:
AREA: CAMP 8 – CHARLIE
MAP:
METHOD: H.M.:
FIELD MAP:
DATE:
CU.:
DATE: AUGUST 6 /73
DATE:

SAMPLE NUMBER	SAMPLE LOCATION	NOTES	TOPOGRAPHY: VALLEY BOTTOM	TOPOGRAPHY: SLOPE UP	TOPOGRAPHY: SLOPE DOWN	TOPOGRAPHY: HILL TOP	TOPOGRAPHY: LEVEL GROUND	VEGETATION: HEAVILY WOODED	VEGETATION: SPARSELY WOODED	VEGETATION: BURNT	VEGETATION: LOGGED	VEGETATION: GRASSLAND	SOIL DATA: HORIZON SAMPLED	SOIL DATA: ~~THICKNESS OF HORIZON~~ DEPTH HORIZON	SOIL DATA: HORIZON DEVELOPMENT: GOOD	SOIL DATA: HORIZON DEVELOPMENT: POOR	SOIL DATA: PARENT MATERIAL: DRIFT	SOIL DATA: PARENT MATERIAL: BEDROCK	FIELD SCREENED	VALUES: Mo	VALUES: Cu	VALUES: Pb	VALUES: Zn	
DETAILED	SAMPLING	OF NORTHERN STAIN AREA ABOVE SILT Y-405																						
C-123		DK. RD. BN.	✓	ST	ST								B-C	8"		✓		✓						
C-124		" " "	✓	"	"								"	"		✓		✓						
C-125		" " "	✓	"	"								"	"		✓		✓						
C-126		" " "	✓	"	"								"	"		✓		✓						
C-127		" " "	✓	"	"								"	"		✓		✓						
C-128		" " "	✓	"	"								"	"		✓		✓						
C-129		" " "	✓	"	"								"	"		✓		✓						
C-130		" " "	✓	"	"								"	"		✓		✓						
C-131		" " "	✓	"	"								"	"		✓		✓						
C-132		" " "	✓	"	"								"	"		✓		✓						
C-133		" " "	✓	"	"								"	"		✓		✓						
ABOVE SAMPLES TAKEN AT ROUGHLY 25' INTERVALS FROM BEGINNING OF STAIN AREA. (EAST → WEST) ON SOUTH BANK OF CK.																								
C-134	W. EDGE OF STAIN AREA	BN											B	8"		✓	✓							
THE FOLLOWING SAMPLES WERE TAKEN WEST → EAST AT ~ 100' INTERVALS DOWN THE NORTH BANK OF THE CK. PARALLELING THE STAIN ZONE.																								
C-135		MED BN		MS	MF								B	8"		✓								
C-136		RD BN.		MS	MS								B	8"		✓								
C-137		RD BN.		MS	MS								B	8"		✓								
C-138		MED BN.		MS	MS.								B	10"		✓								

CHEMEX LABS LTD.
STREAM SEDIMENTS – WATER

COLLECTORS: B. FRASER

AREA: CAMP 8 – CHARLIE

FIELD MAP:

DATE: AUGUST 3-6 /73

RESULTS PLOTTED BY:

POSTING MAP:

DATE:

ANALYST:

METHOD: (A):

(B):

DATE:

SAMPLE NUMBER	NOTES	SEDIMENT DATA					STREAM DATA						DRY GULLY	SPRING	SEDIMENT RESULTS									WATER RESULTS		
															Field Tests			Lab. Tests								
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity	pH			Cu	HM		Mo	Cu	Pb	Zn					
Y-642			✓	✓					3½'	3"	MSL.															
Y-643			✓	✓					3'	2"	MSL															
Y-644		✓	✓						2'	2"	MSL.															
Y-645	SEMI-DRY	✓	✓						2'	—	—															
Y-646	POOR SAMPLE	✓	✓			✓			2'	3"	SL															
Y-647	" "	✓	✓						2'	4"	M															
Y-648			✓	✓					4'	3"	M.															
Y-649		✓	✓						4'	4"	M.															
Y-650		✓	✓	✓					5'	5"	M.															
Y-651		✓	✓	✓					6'	5"	M.															
Y-652		✓	✓	✓					6'	5"	M.															
Y-653			✓	✓					7'	4"	M.															
Y-654			✓	✓					7'	4"	M.															
Y-655		✓	✓						7'	5"	M.															
Y-656		✓	✓						7'	5"	M.															
Y-657.		✓	✓						3'	2"	M															