SEPT 5/82 104-J SHESLAY REG.
KS-31

FOLLOWING UP LMST / SLOKO CONTACT NORTH OF SHESLAY STRIP ALONG RIVER. STARTING UP HIGH IN BASALT FLOWS AND WORKING WAY DOWN TO RIVER TO WEST. TWO SOIL SAMPLES WERE TAKEN ON THE WEST SIDE OF THE SHESLAY RIVER BEFORE STARTING THE TRAV.

841810
Dease Lake
104/J M-504

KS2T1 - 302 o/c
RED BRECCIA (FAULT ZONE).
WHITE ANGULAR CLASTS OF QUARTZ IN A JASPER MATRIX. CLASTS ARE EXTREMELY VARIABLE IN SIZE, UP TO 3 CM MAX DIMENSION. COMMONLY LIMONITE SPHERULITES THROUGHOUT ROCK IN PATCHES. SOME QUARTZ CLASTS ARE GRAY/CLEAR. NO SULPHIDES

ADJACENT o/c TO EAST.

SEPT 5/82 SHESLAY REG

KS2T1-303 O/C

WHITE TO ORANGE QUARTZ BRECCIA. ANGULAR MULTI-COLORED CLASTS IN FINER GRAINED SILICA MATRIX. POSSIBLY SILICIFIED LMST NO SULPHIDES. BOTH KS-302 + KS-303 SEEM TO BE FAULT BRECCIA FROM A LARGE NS-FAULT ZONE CUTTING THROUGH SECTION. SOME JASPER CLASTS IN BRECCIA

TOOK SAMPLES (SOIL) E+F AT BOTTOM OF STEEP CHUTE ALONG CLIFF FACE IN TWO DIFFERENT SOIL TYPES.

CONTINUING ALONG ~~CLIFF~~ FACE TOOK SOIL/SILT SAMPLE G IN SMALL STREAM DRAINING CLIFF AREA. ON THE CLIFFS ABOVE AND TO THE EAST OF "G" THE BRECCIA CHANGES TO ALTERED LMST AND SEDIMENTS.

NEVILLE CROSBY INC.

GEOCHEMISTRY DATA

MAP: 104 J.

NAME: John Hawthorne DATE: Aug. 17/82 PROJECT: M504

PHOTO NO. A12078-4 TRAVERSE NO: JH30 AREA: PØ Mt.

SAMPLE NO.	GRID LOCATION	CLR	TEX	SLP	HRN	ORG	PHY	COMMENTS	ANALYTICAL RESULTS						
JH2T2-655		1	2	–	3	1	4								
656		1	3	–	3	1	4								
657		1	2	–	3	–	4								
658		1	3	–	3	–	4								
659		1	3	–	3	1	4								
660		1	3	–	3	1	4								
661		1	2	–	2	1	4	reddish, gossanous							
662		1	3	–	3	–	4								
663		1	1	–	3	–	4								
664		1	1	–	3	–	4								
665		2	2	–	3	–	4	grey white amongst red.							
666		1	2	–	3	–	4								
667		1	1	–	2	–	4								

JUNE 24th

DUNIDONTU RIVER

RECONN TRAV

KS-6

KS251-52 FLOAT

PEBBLY SST. SEEMS TO HAVE SEVERAL KINDS OF GREEN CLASTS INCLUDING FELSIC VOLCANICS AND POSSIBLY FUCHSITE. SAMPLED THIS BECAUSE IT LOOKED JUICY. NO SULPHIDES.

KS271-53 FLOAT

ALTERED SST WITH WHITE QTZ-CARB VEINS UP TO 2CM THICK. SOME OF THE VEINS CARRY MINOR PYRITE. OFTEN THE VEINS WEATHER RED-ORANGE INDICATING Fe-CARBONATE. SOME UNKNOWN BLACK MATERIAL IN VEINS

KS271-54 FLOAT

SIMILAR TO KS-53 BUT APPEARS LESS ALTERED AND HAS ALMOST NO PYRITE. VEIN MATERIAL DOES NOT FIZZ

M. THICKE. PØ MNT AUG 17/82.

(DEASOLK SHEET)

104J

DROPPED OFF ON TOP OF PØ MNT IN FRESH, C.G. Hb-DIOR. MOTTLED MED GRAY WEATHERED SURFACE, MOSTLY W/ BLACK LICHEN GROWTH. BLOCKY, LOW FRACTURE DENSITY. SOME EP CAN BE SEEN ON FRAC'S. POSSIBLY A WEAK FOLIATION TO Hb X/S (?).

BI & PYROXENE ALSO OTHER MAFICS PRESENT IN DIOR.

JOHN H. WILL BE TAKING SOILS EVERY 100M DOWN RIDGE.

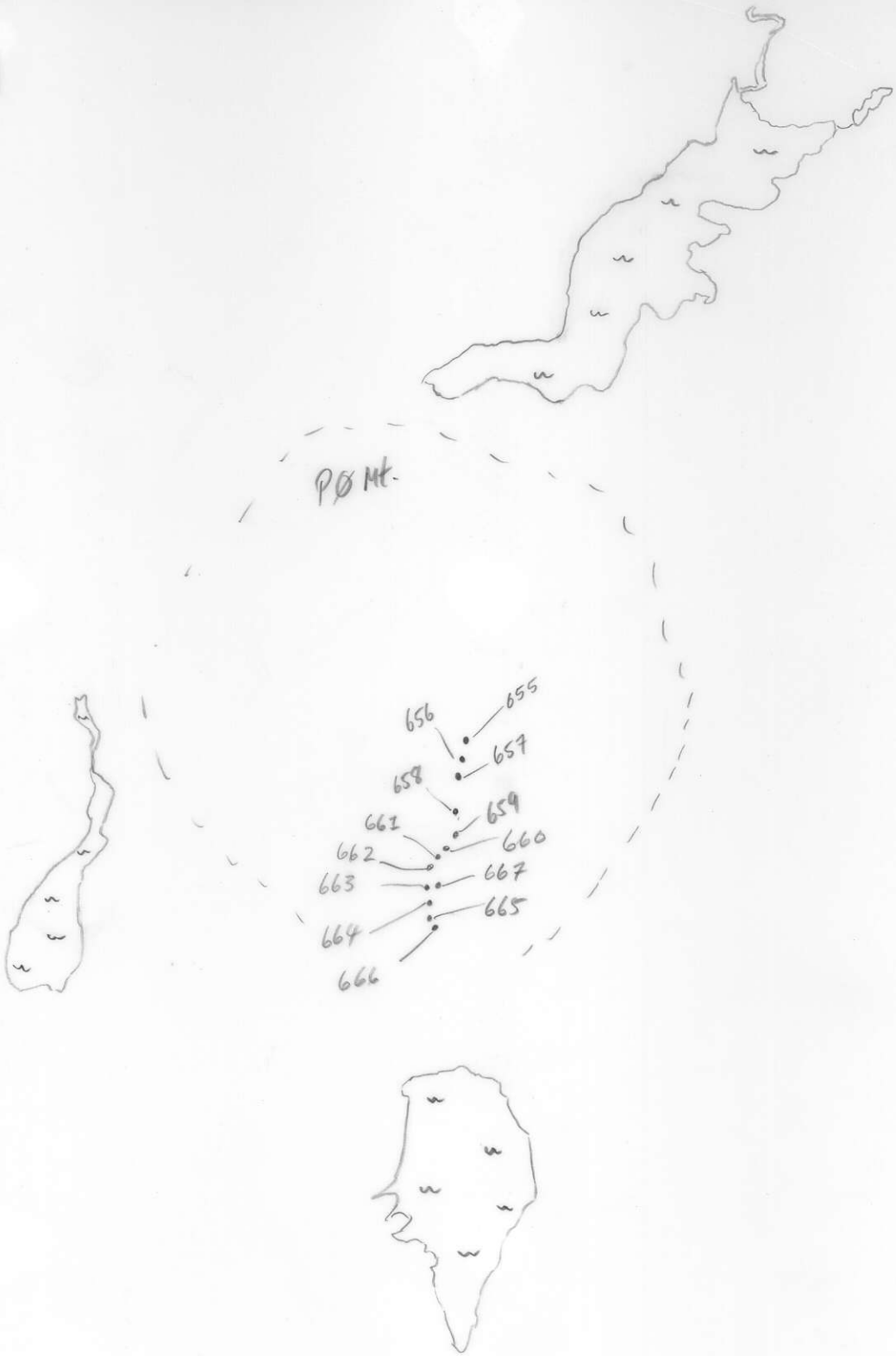
JH272-655 SOIL

STILL IN FRESH DIOR ONLY SOME RUST SHOWING ON FRAC'S.

JH272-656 SOIL

BI-GRDR. 2-3% EUHEDRAL BIOTITE BOOKS UP TO .75 cm ACROSS. ROUND QZ EYES & Hb PHENOS CAN ALSO BE SEEN. LIGHT

Project M504	NTS 104 J.	Scale 1:30,000	Page 1 of 1	Traverse JH30
Sampler John H.	Location, Target (words) PØ Mt. Regional Dease Lk Sheet		Sample Nos JH2T2-655 to 667	
Date Aug. 17/82	photo no. A12870-4		Cert. Nos	



GEOCHEM: Cu Mo Pb Zn U W ASSAY:

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

GOSSAN, MINERALS | INTRUSIVE | LIMESTONE DOLOMITE | SHALE | CHERT | VOLCANIC | CONGLOMERATE | SANDSTONE SILTSTONE

SILT X SOIL ● ROCK ■ PAN △ WATER O

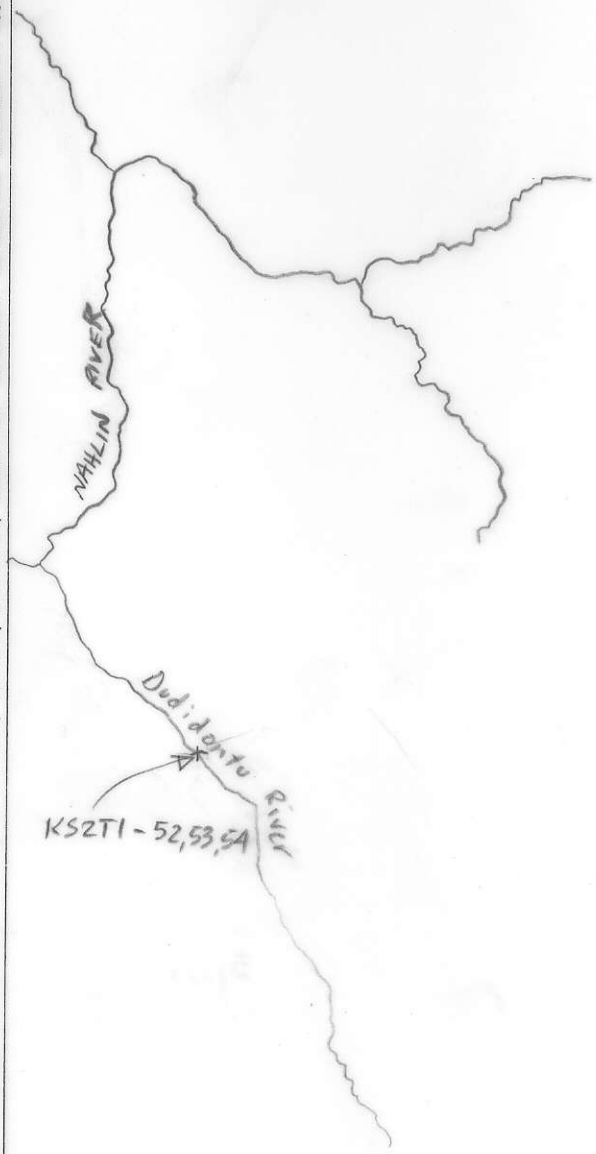
SPECIMEN SITE A,B,..; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

WSC-0-66962 ATTITUDES (~100/40 N)

Summary of August 17/82: Pyrrhotite Mt. Regional.

Mike Thicke and I went out ~~at~~ on the first flight with Jerry Z. and Lorne R. We got off on the levelest ground on the top of pyrrhotite mt. and walked across to the top of the ridge leading downward where a 4 ft. cairn stood. Mike mapped in the dead diorite present there and we went down the ridge to the first gossanous showing. I started taking soils here, and chained 100 meter intervals down to the yellowish gossan, number 663. I took three more soils after this at 50 meter spacings. The soil numbers were JH272-655 to 667.

Project M504	NTS 104 J	Scale 1:250,000	Page 1 of 1	Traverse KS-6
Sampler K. Shannon	Location, Target (words) Regional Geology, Duase Lake Sheet		Sample Nos KS2T1 - 52 to 54	
Date June 24/82	photo no.		Cert. Nos	



GEOCHEM: Cu Mo Pb Zn U W

ASSAY:

GOSSAN, MINERALS | INTRUSIVE | LIMESTONE DOLOMITE | SHALE | CHERT | VOLCANIC | CONGLOMERATE | SANDSTONE SILTSTONE

SILT X SOIL ● ROCK ■ PAN △ WATER O

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

ATTITUDES (∠ 100/40 N)

BC11 6662 a - CSM

CHEVRON MINERALS —— DAILY TRAVERSE REPORT

JUNE 24/82

OUT IN MORNING TO GOAT CLAIMS WITH DEREK. WE WENT UP CREEK TO WEST OF FALLS CHECKING OUT INKLIN SEDIMENTS ADJACENT TO QUARTZ-FELDSPAR PPY. ALTERATION APPEARS MINIMAL; FEW SULPHIDES EXCEPT FOR PYRITE. NO BRECCIA WAS NOTED, THIS AREA DOES NOT APPEAR PARTICULARLY FAVOURABLE.

GEOCHEMISTRY DATA

MAP: 104J

NAME: John Hawthorne DATE: Sept. 5/82 PROJECT: M504

PHOTO NO. A12075-248 TRAVERSE NO: KS31 AREA: SHESLAY RIVER

SAMPLE NO.	GRID LOCATION	CLR	TEX	SLP	HRN	ORG	PHY	COMMENTS	ANALYTICAL RESULTS						
780		1	3	–	2	–	4	WEST BANK SHESLAY							
781		1	2	–	1	2	4	WEST BANK SHESLAY							
782		1	3	–	2	1	3	CLIFFS EAST BANK SHESLAY							
783		1	4	–	2	–	3	"							
784		1	4	–	3	–	4	"							
785		4	4	–	3	–	4	"							
786		1	4	–	3	–	4	"							
787		1	4	–	3	–	4	"							
788		1	3	–	3	–	4	"							
789		1	3	–	3	–	4	"							
790		1	3	–	3	–	4	"							
791		1	3	–	3	–	4	"							
792		1	3	–	3	–	4	"							

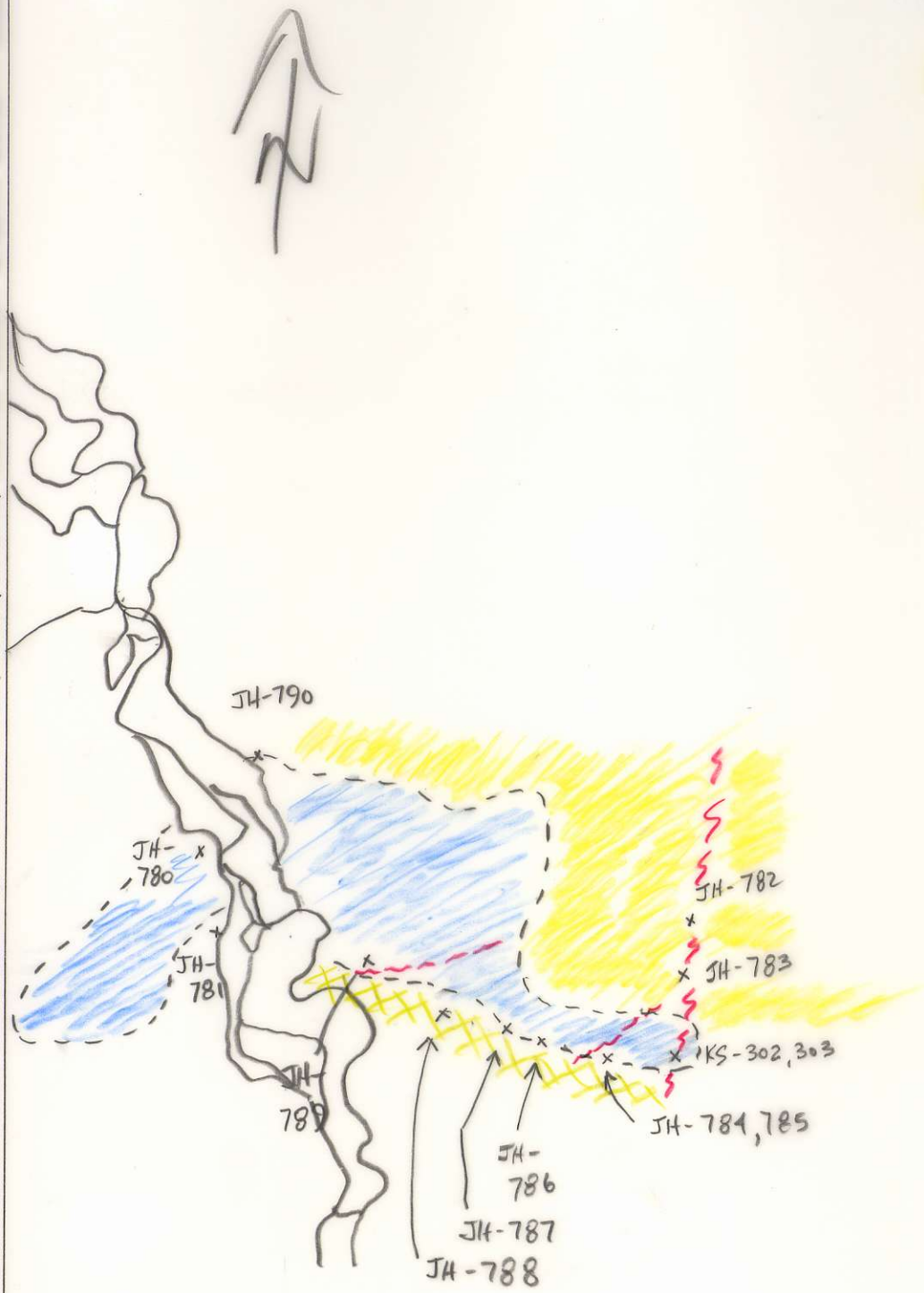
Ken Shannon's trav #31 with Derek B.

Project M504	NTS 104 J	Scale 40 CHAIN	Page 1 of 1	Traverse KS-31
Sampler K Shannon	Location, Target (words) SHESLAY REGIONAL - DEASE		Sample Nos KS2T1-302, 303	
Date SEPT 5/82	photo no. A12075 - 248		Cert. Nos JH2T2-780 to 790	

STIKINE-LMST

STIKINE - PHYLLITE, GREENSTONE

BASALT FLOWS



GEOCHEM: Cu Mo Pb Zn U W ASSAY:

GOSSAN, MINERALS | INTRUSIVE | LIMESTONE DOLOMITE | SHALE | CHERT | VOLCANIC | CONGLOMERATE | SANDSTONE SILTSTONE | ATTITUDES (100/40 N)

SILT X SOIL ● ROCK ■ PAN △ WATER O

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

104-J.
SEPT 5/82

With Derek checking a limestone / basalt contact north of Sheslay strip a few kilometers. According to the G.S.C. mapping Sloko volcanics are in the area as well but none were seen on the traverse.

Some major breccia zones along north and northeast trending faults were discovered. Most of these zones were in limestone and silicification is common. No sulphides were observed in the altered rocks.

While traversing along the base of the first major cliff below KS-303 the rocks were seen to be mainly breccia. Possibly a fault runs along the cliff-face making the breccia zone seem thicker than it really is. Abundant slickensided surfaces were seen, especially in the first main cliffs.

Below the first highly altered cliffs, Silicification became rare but structures and brecciation continued for a ways. Finally the limestones became unaltered and unbrecciated near the lower part of the cliff. The bottom part along the river looks unmineralized.

Project M504	NTS 104 J.	Scale 30000	Page of	Traverse 35
Sampler M. Thicke J. Hawthorne	Location, Target (words) PØ MNT		Sample Nos MT2T1-254 255 JH2T2-655-667	
Date Aug 17/82	photo no. A12078-4 D-9-4		Cert. Nos	

GEOCHEM: Cu Mo Pb Zn U W ASSAY:

GOSSAN, MINERALS | INTRUSIVE | LIMESTONE DOLOMITE | SHALE | CHERT | VOLCANIC | CONGLOMERATE | SANDSTONE SILTSTONE

SILT X SOIL ● ROCK ■ PAN △ WATER O

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

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ATTITUDES (100/40 N)

Project Tulseguah	NTS	Scale 1:250,000	Page 3 of 3	Traverse TZ-22
Sampler T. Zanger	Location, Target (words) Sheslay-River		Sample Nos TZT1-114-116 HMT1-2	
Date July 3/81	photo no. 104 J DEASE		Cert. Nos	

GEOCHEM: Cu Mo Pb Zn U W ASSAY:

BC11666 2 — CSM

ATTITUDES (100/40 N)

GOSSAN, MINERALS | INTRUSIVE | LIMESTONE DOLOMITE | SHALE | CHERT | VOLCANIC | CONGLOMERATE | SANDSTONE SILTSTONE

SILT X SOIL ● ROCK ■ PAN △ WATER O

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

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M. Thicke. PØ MNT - 104 JERK AUG 17 82

John & myself traversed down the nose of a west facing ridge of PØ MNT. on the Dease Lake Sheet. The trav began in fresh, course grained diorite (Hb). Biotite & pyroxene were other mafic phenos observed. Going west down the ridge at JH272-653 the intrusive had rust on fractures. By JH-657 there was PØ & Py on fractures of diorite. By JH-659 the intrusive was becoming more weathered - rotten (?) (ALTERRED ?) & the feldspars were altering to clay. Py or PØ could be seen in fine dissemination. This intrusive was definitely not juicy looking.
The other main type of intrusive rock was a light gray biotite granodiorite. Biotite books up to .75cm wide could be seen as well as quartz eyes & hornblende phenos. A quartz vein (?) in talus was sampled. The most interesting rock was a chalcedony breccia that could be followed in felsenmeer for 30-40m. The strike was ~ N-S & was up to 2m wide. Py stringers, dissemnations & blebs occurred up to 2%. Frags were small & angular. Chalcedony stringers were also present. Possibly 3 generations of silicification. Great looking rock.

July 3/81.

LD-13

observed as alteration of LDT-111

? could be later invasion of

jasperoidal SiO_2 ??

LDT-112 East ridge-bank above

Sherlag River - near Lake Shore.

Red limestone. Hematitic. Can be

observed across River as highly

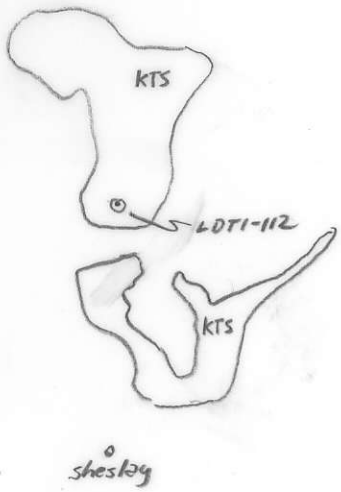
folded & contorted. Near Stoke

rhyolit contact

Hematic, fractured limestone.

METRIC LEVEL

Project MS04	NTS* 104 J	Scale 1" = 4 mi	Page of	Traverse LD-13
Sampler LAD	Location, Target (words)		Sample Nos LDT1-112	
Date July 3/81	photo no.		Cert. Nos	



GEOCHEM: Cu Mo Pb Zn U W

ASSAY:

BC16662a-CSM
ATTITUDES
GOSSAN, MINERALS
INTRUSIVE
LIMESTONE DOLOMITE
SHALE
CHERT
VOLCANIC
CONGLOMERATE
SANDSTONE SILTSTONE
SILT X SOIL ● ROCK ■ PAN △ WATER O
SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
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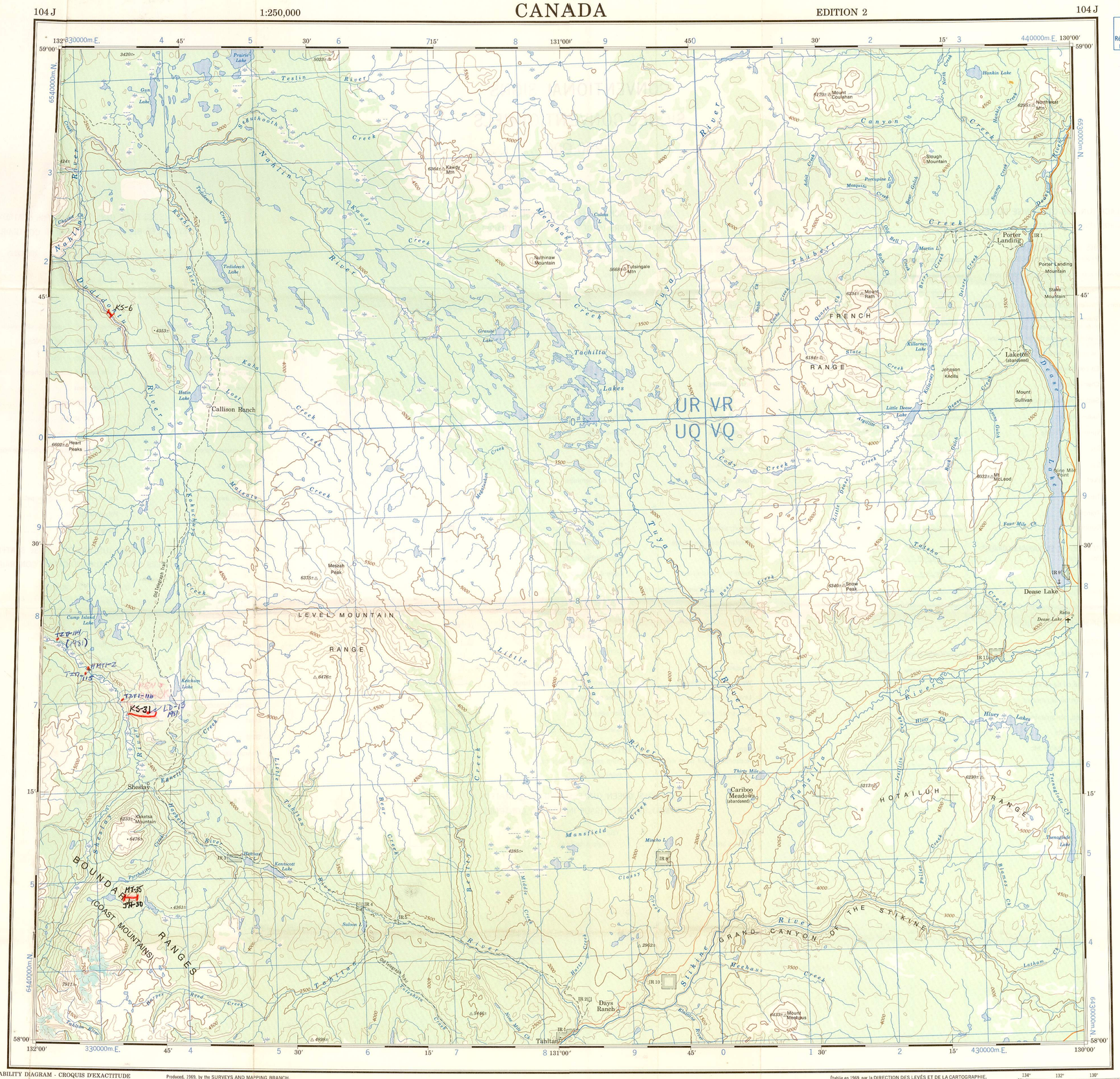
Military users, refer to this map as: Référence de cette carte pour usage militaire:	SERIES A502 SÉRIE	MAP 104J CARTE	EDITION 2 MCE EDITION



CONVERSION SCALE FOR ELEVATIONS

Metres / Feet

TEN THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 9

GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
9V	UR VR / UQ VQ — 65 — 4

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 1000 METRES

THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

NU / NT — 1, 0, 9 — 3, 4, 5, 6

REFERENCE POINT	ROCKS (as above)
SQUARE: Read letters of 100,000 m. square	NU
EASTING: Read number on grid line immediately to left of point. Estimate tenths of a square from this line eastward to point.	5 4 — 54
NORTHING: Read number on grid line immediately below point. Estimate tenths of a square from this line northward to point.	0 4 — 04
EXAMPLE MILITARY GRID REFERENCE	NU5404

If reporting beyond 18° in any direction, prefix Grid Zone Designation as: 15VNU5404

RELIABILITY DIAGRAM - CROQUIS D'EXACTITUDE

A

A. Second edition map, derived from large scale mapping.

A. Deuxième édition, tirée de cartographie à grande échelle.

Produced, 1969, by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Printed 1971

Magnetic declination 1969 varies from 29°22' easterly at centre of west edge to 29°26' easterly at centre of east edge. Mean annual change 4.3' westerly.

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Roads:
loose or stabilized surface, all weather..... 2 lanes or more / less than 2 lanes
loose surface, dry weather.....

FOR COMPLETE REFERENCE SEE REVERSE SIDE

DEASE LAKE

CASSIAR DISTRICT

BRITISH COLUMBIA

Scale 1:250,000 Échelle

Miles 5 0 5 10 15 20 Milles

Kilometres 5 0 5 10 15 20 25 30 Kilomètres

CONTOUR INTERVAL 500 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 500 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie en 1969, par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Imprimée en 1971

La déclinaison magnétique pour 1969 varie de 29°22' est au centre de la limite Ouest à 29°26' est au centre de la limite Est. Variation moyenne annuelle 4.3' Ouest.

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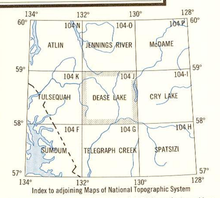
Routes:
gravier aggloméré, toute saison..... 2 voies ou plus / moins de 2 voies
de gravier période sèche.....

POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO



Index to adjoining Maps of National Topographic System
Tableau d'assemblage du Système National de Référence Cartographique

inches 0 1 2
centimetres 0 1 2 3 4 5

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

DEASE LAKE
104 J
EDITION 2