

JUNE 30/81 K5-22 CLOUDY

AT HEAD OF STEEP CREEK WITH T. ZANGER DOING SECTION THROUGH INKLIN. START OFF AT TOP IN MAFIC CACHE CREEK ROCKS THEN HEAD INTO INKLIN SEDIMENTS.

840614

KST1-200 - AT CONTACT OF CACHE CREEK MAFIC ROCKS ~~AND~~ (GREENSTONES, GABBROS AND SERPENTINITES) WITH "INKLIN". CONTACT APPEARS TO BE VERTICAL

(O/C) WITH A 5 M DIORITE DYKE RUNNING PARALLEL TO THE CONTACT SAMPLED RUSTY ZONE ADJACENT TO DIORITE, IS MOSTLY BLACKENED CRUNGED MAFIC ROCKS WITH RUSTY SPOTS. THE "INKLIN" ROCKS ARE JUST MORE CACHE CREEK AHEAD.

AT THE WATER FALLS IS A RUSTY ALTERED ZONE WHICH TRENDS 140° STEEP NW.

(O/C) KST1-201 - ALTERED MAFIC VOLCANICS RUSTY WEATHERING SOME PYRITE PODS. HAVE LIGHT GREEN MINERAL ON FRACTURES. (NOT ON HAND SPEC.)

SILICIFIED FRAGMENTS

COCKADE QZ
RIMS

FINE GRAINED
ANKERITE MATRIX

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JUST ON OTHER SIDE OF RUSTY ZONE IS INKLIN SESS. THE INKLIN AND RUSTY ZONE LOOK ABOUT PARALLEL THE RUSTY ZONE IS THE CONTACT WITH THE CACHE CREEK ROCKS. TERRY Z. TOOK A FEW SOILS NEAR THE RUSTY ROCKS (WHICH HAVE MAMMARY WEATHERING AND CARB. VEINS)

THE INKLIN ROCKS AT THE CONTACT APPEAR TO BE MOSTLY FINE-GRAINED SESS BUT ARE TOO BASHED TO BE DESCRIBED.

(O/C) KST1-202 - RUSTY WEATHERING INKLIN SILTSTONES WITH TRACE STRINGERS AND DISSEM. OF PYRITE. MOST ROCKS ARE DARK COLOURED.

LITTLE FURTHER DOWN CREEK NEAR SHARP BEND IS ZONE OF DIORITE CUTTING ACROSS CREEK. ROCK LOOKS QUITE FRESH AND DOESN'T SEEM TO AFFECT THE INKLIN MUCH.

A SOIL WAS TAKEN TO CHECK.

AT ITS EASTERN-END THE DIORITE APPEARS TO TERMINATE ABRUPTLY AGAINST INKLIN SESS (FAULT?) THE DIORITE LOOKS LIKE A SILL.

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LITTLE FURTHER DOWN IS TALUS
OF WHAT LOOKS LIKE RHYOLITE PY.
IN CONTACT WITH BRECCIATED BLACK
SHALE ALONG CONTACT IS TRACE
FINELY DISSEMINATED PYRITE.

KST1-202a - TALUS WITH
RHYOLITE? AND SHALE BRECCIA
AND DISSEM. PYRITE ALONG
CONTACT. USED WHOLE SAMPLE
FOR ANALYSIS NO HAND SPEC.

(TALUS) KST1-203 - SILICIFIED AND
CALCITE VEINED GRAY SANDSTONE
INCLIN ROCK THAT HAS BEEN
JUICED PRETTY GOOD.

KST1-204 - ZONE OF RUSTY
ALTERATION CUTTING VERTICALLY
THROUGH INCLIN. THE INCLIN
ROCKS BECOME VERY INDURATED
(SILICIFIED?) AND ARE CUT
BY CALCITE STRINGERS WHICH
HAVE PODS OF PYRITE AND DISSEM.
PYRITE ALONG MARGINS. PYRITE
IS SILVERY WHITE. ZONE IS
VARIABLE AND IS APPROX 3 M
WIDE WITH SHARP SHEARED
MARGINS. (VEIN ACTIVITY)

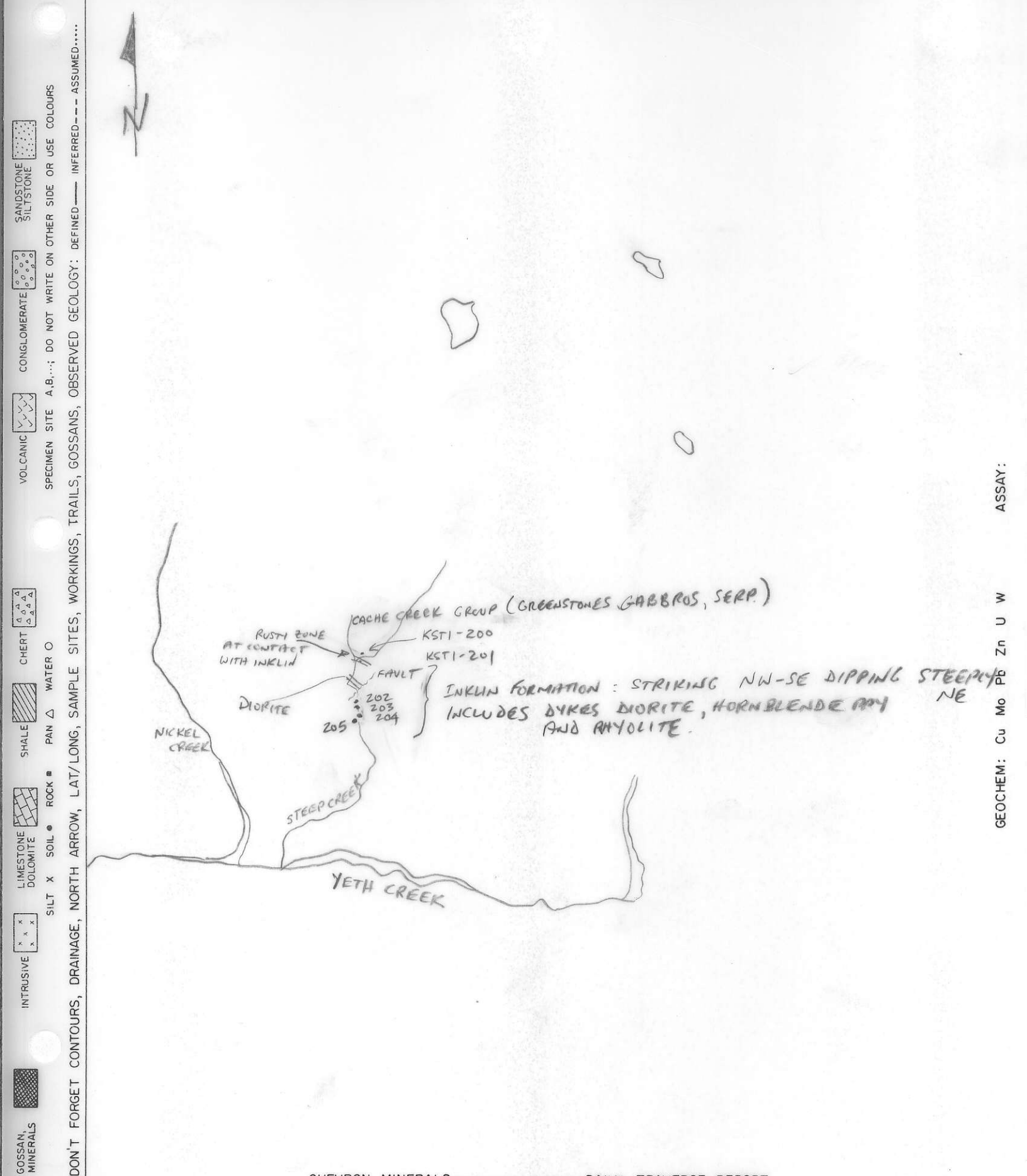
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KST1-205 - NEAR WHERE STREAM
LEAVES CANYON INTO BUSH. LOTS
OF HORNBLende PY FLOAT IN CREEK
(O/C) FOUND DYKE OF IT A FEW METRES
WIDE AND ADJACENT TO DYKE
SANDSTONES ARE PYRITIZED.

SAMPLE IS GRAY PYRITIC (1-5%)
SANDSTONE.

END OF TRAN.

Project	TULSEQUAH	NTS	104 K	Scale	1" = 1/2 MILE	Page	1 of 1	Traverse	KS-27	
Sampler	KEN SHANNON	Location, Target (words)			GOSSANS AND RHYOLITE PPT ON STEEP CREEK		Sample Nos			KST1-200-205
Date	JUNE 30/81	photo no.			BC 5616-032		Cert. Nos			



SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 CHERT
 WATER
 SHALE
 PAN
 ROCK
 LIMESTONE DOLOMITE
 SILT X SOIL
 INTRUSIVE
 GOSSAN, MINERALS
 DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED ——— INFERRED - - - ASSUMED.....

ASSAY:
 U
 W
 Zn
 Pb
 Cu
 Mo

SUMMARY FOR TRAV JUNE 30/81

KS-22

IN MORNING FINISHED STAKING GOAT CLAIMS ON NICKEL CREEK WITH TERRY ZANGER. STOOD UP ALL POSTS AND NOTED ONES WHICH COULD NOT BE PLACED BECAUSE OF CLIFFS, ETC.

IN AFTERNOON WENT DOWN STEEP CREEK WITH TERRY CHECKING OUT GOSSANS IN INKLIN SEDS AND SEEING IF PYRITIC RHYOLITE FROM NICKEL CREEK COMES THIS FAR EAST. MOST OF THE INKLIN ROCKS WHICH WERE RUSTY WEATHERING SEEMED TO CONTAIN PYRITE. THE RUSTY ZONES WERE USUALLY A FEW METRES ACROSS AND SEEMED TO BE RELATED TO VEINING. THE VEINS WERE BOTH CHALCEDONIC AND CALCAREOUS AND IN ONE SAMPLE PYRITE HALOS COULD CLEARLY BE SEEN EXTENDING ABOUT 1CM FROM A CALCITE STRINGER. MUCH OF THE PYRITE ALSO OCCUR AS DISSEMINATIONS THROUGHOUT THE ALTERED ZONES BUT NEVER MORE THAN 1 OR 2%. THE PYRITE IS A DISTINCTIVE WHITE-GOLD COLOUR AND DOESN'T APPEAR TO BE REGULAR PYRITE, BUT DOES FORM CUBES.

THE INKLIN ROCKS ARE CROSS-CUT BY A VARIETY OF DYKES IN THIS CREEK INCLUDING DIORITE, RHYOLITE AND MAFIC INTRUSIVES. THERE SEEMS TO BE MINOR PYRITIZATION ASSOCIATED WITH SOME OF THE DYKES BUT NOTHING LIKE THE HEAVILY PYRITIC PPY IN NICKEL CREEK.

THE ALTERED PYRITIC ZONES OF INKLIN LOOK INTERESTING AND COULD EASILY BE A PERMEABLE GOLD HOST.