

Title Page

Nature of report: General prospecting, rock chip and channel sampling
Specific claims: Willo Group. (Willo #1 and #2, adjoining two post claims.)
Mining Division: Omineca
Specific NIS location: 93 M/5E, grid ref.: 340870
Latitude and longitude: 55 20' 40" longitude, 127 37' 40" latitude
Owner of claim: Willis Korff
Consultant: Dr. Tom Richards
Author of report: Willis Korff
Author's qualifications: Completed approved rock and mineral course under the direction of Dr. Tom Richards; Northwest Comm. College, 1979. Completed prospecting course; Dep't of Energy, Mines and Petroleum Resources under the direction of Tom Schroeter, 1979.
Date Submitted: May 27, 1980

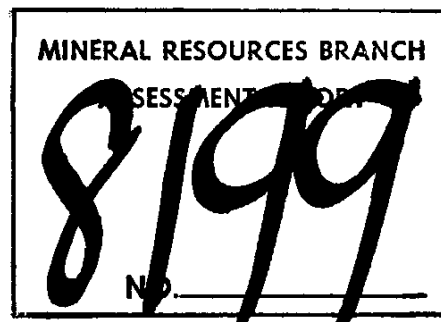
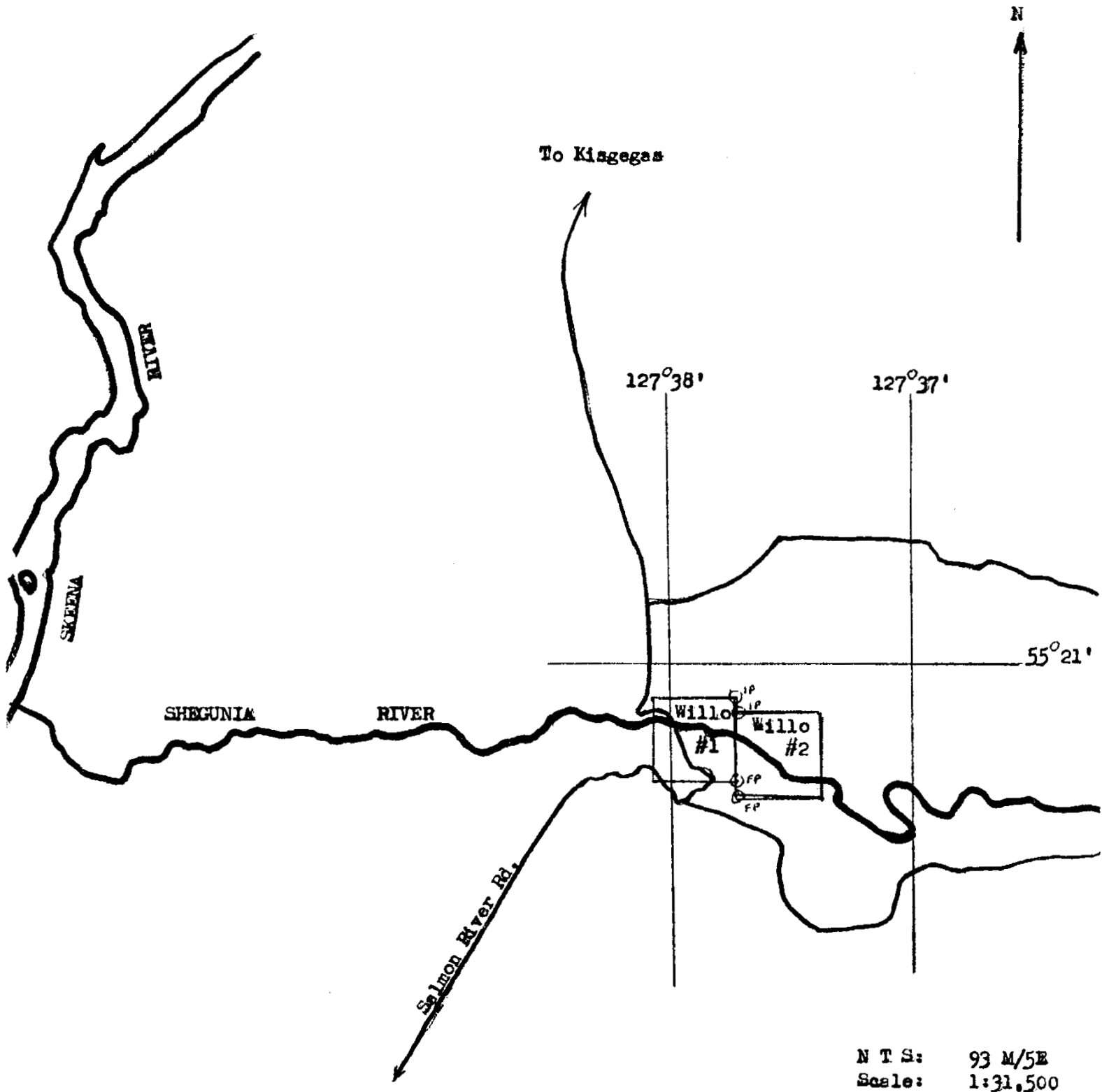


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Index Map, Willo Group



To Hazelton
14.5 km
via Salmon River Rd.
and Kispiox Rd.

N T S: 93 M/5E
Scale: 1:31,500

Drawn by Willis Korff

Total man-days general prospecting: 10

- a) bedrock investigation
- b) chip and channel sampling

Bedrock geology:

Buckled and fractured layered siltstone and sandstone underlie most of the Shegunia River area with some carbonaceous shale and impure coal seams exposed at the southeast extremity of the claim.

A sill like granite porphyritic intrusion is exposed at the southwest center of Willo #2 as the Shegunia cuts through. It is well altered and heavily pyrited with heavy gossans showing at each end of the 80 meter exposure.

Another granite porphyry is exposed in the northwest portion of the Willo #1 at the head of the gorge below Shegunia River bridge. The intrusion is weakly altered, rusty and weakly pyritic.

Mineral occurrences:

A 40 meter zone of porphyry in Willo #1 contains an estimated 50 stringer veins of $\frac{1}{2}$ to 3 inches in thickness and containing pyrite and pyrrhotite and smaller amounts of chalcopyrite, sphalerite and galena. A two inch section of one vein assayed:

In PPM		In percentage					
Au	Ag	Co	Cu	Pb	Sb	Zn	
<1	11	0.0070	0.22	0.52	0.014	0.16	(A1)

A six inch calcite vein is barely exposed at right angles to the stringer vein system. This vein has a heavy calcite/pyritic halo and narrows into a 3-4 inch vein of metallic sulphides, mainly pyrrhotite. A section of this vein assayed as follows:

In PPM		In percentage					
Au	Ag	Co	Cu	Pb	Sb	Zn	
<1	14	0.0084	0.17	0.14	0.051	0.81	(A2)

In Willo #2 an 80 meter cross section of the granitic intrusion is heavily gossened at each end with sporadic veins throughout the interior. A one inch vein of arsenopyrite at the northeast end of the showing assayed:

In PPM		In percentage					
Au	Ag	Co	Cu	Pb	Sb	Zn	
9	<10	0.050	0.10	0.0038	0.023	0.0031	(A3)

A sample of porphyry taken on the opposite side of the stream and containing heavy arsenopyrite, assayed 0.7 PPM Au and <10 PPM Ag. (A4)

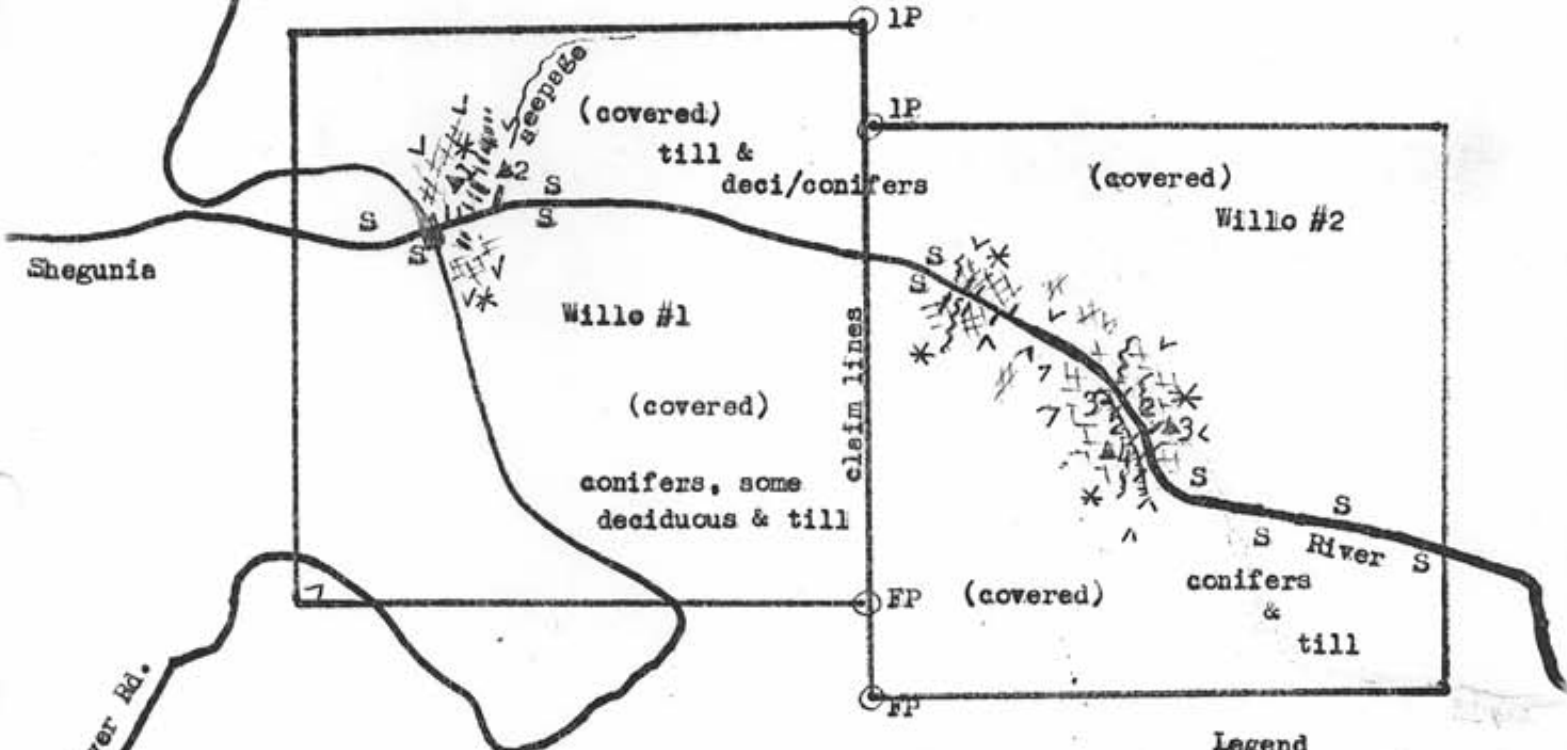
A 3 inch vein of dark grey soft and fibrous metallic was located near the center of the intrusion in porphyry and is probably a sulpho-salt although it has not been factually identified. (3-)

Five chip samples and three channel samples totalling 40 meters have been taken across the face of the southeast showing in Willo #2. An additional 6 inch chip across the face of three veins in the same area have been collected in preparation for assay.

Assays done by Dep't of Energy, Mines and Petroleum Resources.

Willo Group, Quineca Mining District

Plan



Shegunia

Willo #1

Willo #2

Salmon River Rd.

To Hazelton
14.5 km

claim lines

Legend

- Rock types: Sedimentary S
- Granite L
- Alteration *
- Fault ~~~~~
- Chip & channel samples ~~~~~
- Assayed samples A1, A2.
- Mineral occurrences:
- Heavy pyrite, gossan
- Arsenopyrite (heavy) 2
- Pyrite, pyrrhotite veins /
- Unidentified mineral vein 3-

Scale

0 100 200 300 400 500 meters

0 500 1000 1500 2000 feet

Itemized Cost StatementWillo Group

Days Worked:		General prospecting	Man-days
April 21, 1979		Willis Korff	1
" 22 "		" "	1
" 27 "		" "	1
" 30 "		Willis Korff, Lloyd Dodding	2
March 20 1980		Willis Korff	1
" 27 "		" " , Tom Richards	2
April 1 "		" " " "	2
		Preparation of Assessment Report	
May 24, 1980		Willis Korff	<u>1</u>
		Total man-days worked	11

Total man-days worked @ 56.00 per day 616.00

Vehicle expense: 7 trips to claim @ 50 miles per trip; 350 miles

350 miles @ .25 per mile

Total cost 87.50
703.50

Willis Korff