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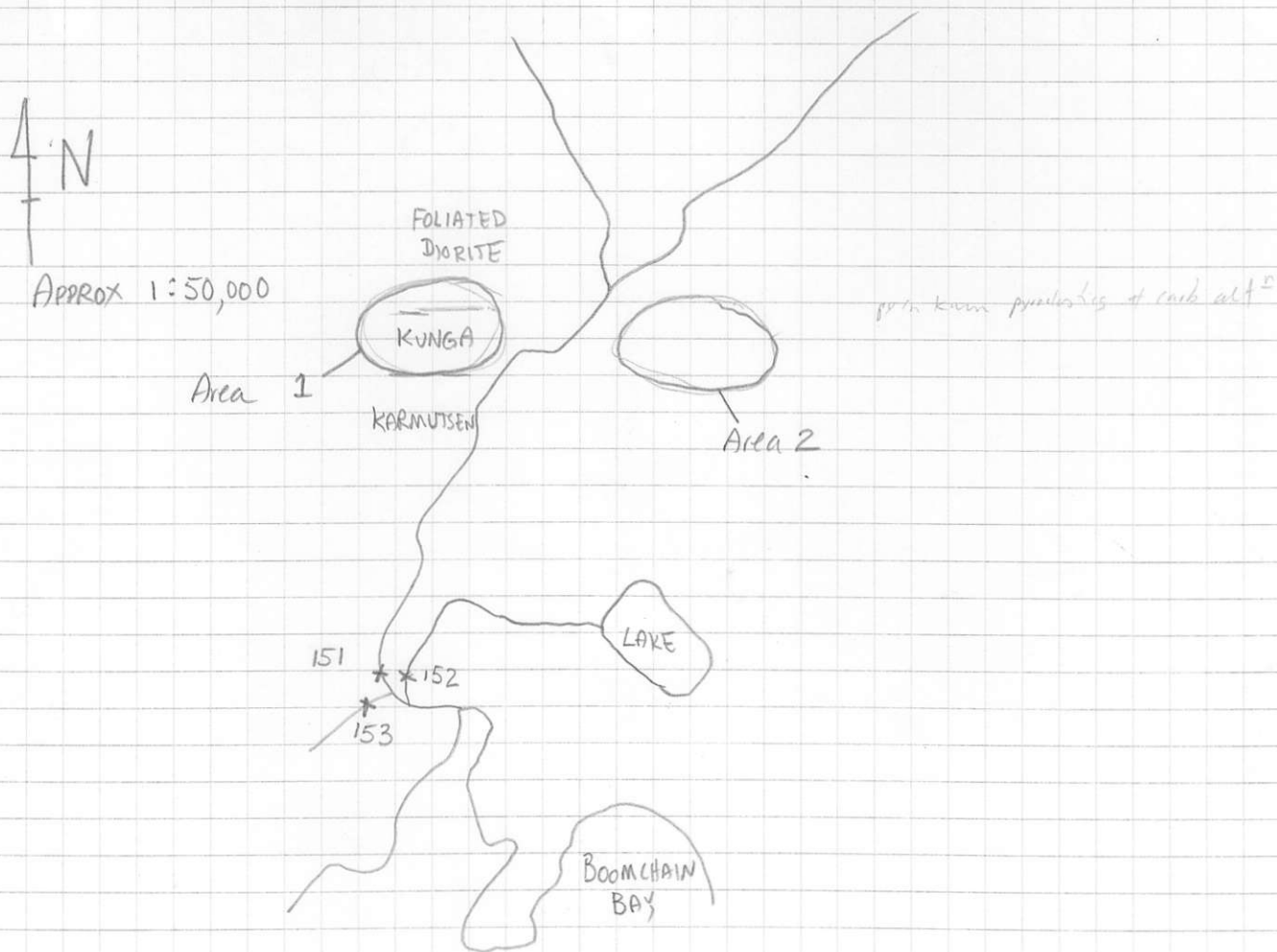
REGIONAL ANOMALIES

M466

29 Aug 77

Boomchain Creek

Recon Anomaly - Samples 77C151 Boomchain Creek 750 ppb Hg, 30 ppb Au;
2 small tributaries 800 ppb Hg and 690 ppb Hg



FOLLOW UP SILTING

67 silts were collected from the drainage of Boomchain creek.
Proposed Hg-Au-As geochem - cost \$9.50/sample plus prep.

* Samples Already taken

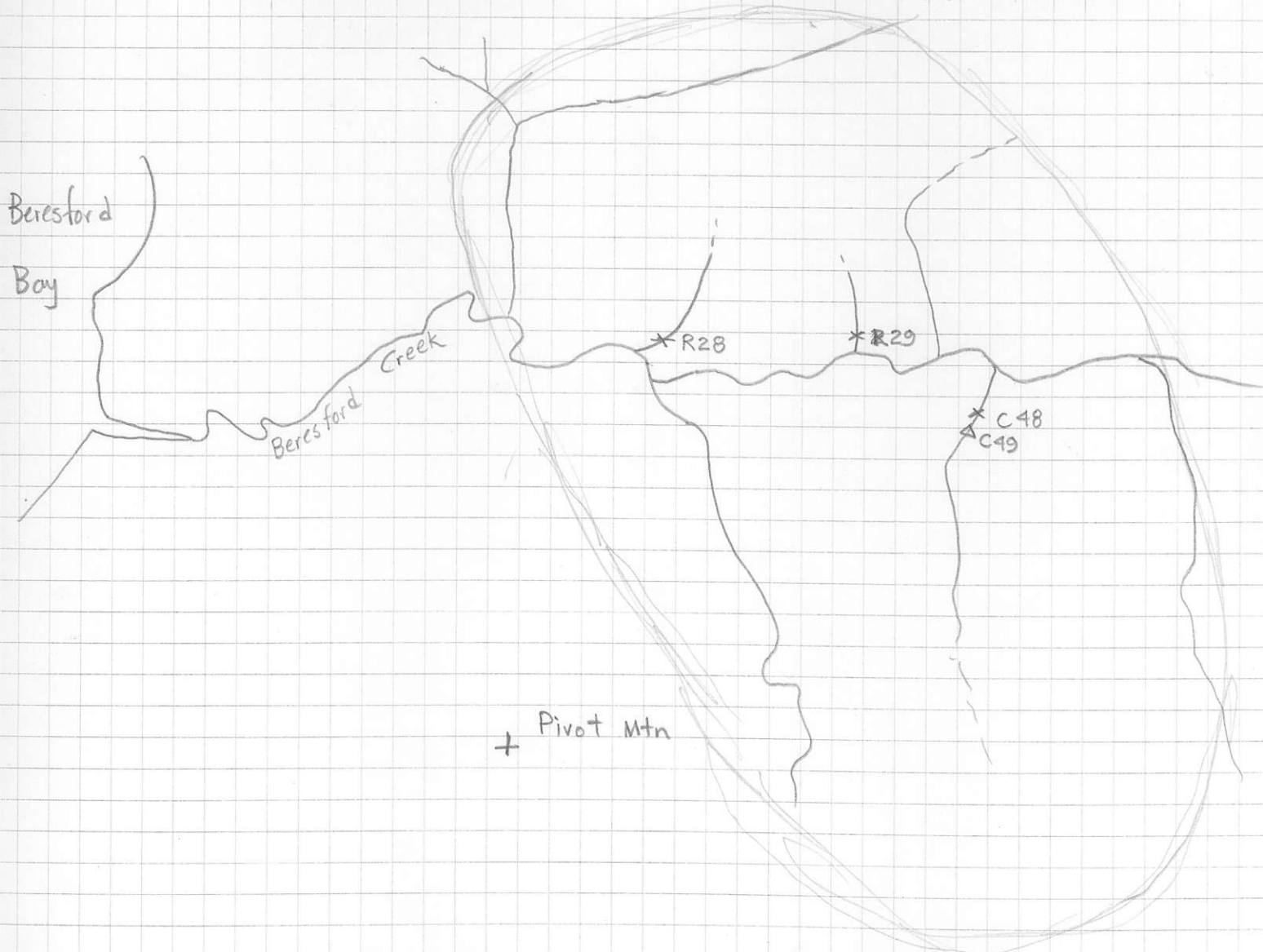
TOTAL \$ 800

GEOLOGY The three rock types encountered were Karmtusen volcanics, Kunga limestones and limy argillites and Foliated Diorite, all of which locally contain pyrite and silicification. The two areas shown above contain particularly abundant float and/or outcrops of silicified and pyritized volcanics, sedimentary diorite.

The Kunga limestone interpreted above was not mapped by Sutherland-Brown in his Bulletin but has been identified by its characteristic fossils. This strip of Kunga seems to run to the NW to Kitgoro Inlet and beyond to the Bulk Creek anomaly area - and to the SE to McKenzie Cove. Its outcrop area has been prospected by the Karmtusen silting program listed on the Geochem Cost Analysis sheet.

BERESFORD

Recent Anomaly Three silt R28 25 ppb Au; R29 180 ppb Au;
C48 210 ppb Au One rock chip of flint in creek
sampled by C48 → C49 400 ppb Au, 90 ppm Ag, 93 ppm As, 145 ppm Sb



Proposed Follow-up To Prospect area outlined above. Estimate
collecting 100 silt-soil + rock chip samples @
\$10/sample plus prep for Au, Ag, As, Hg

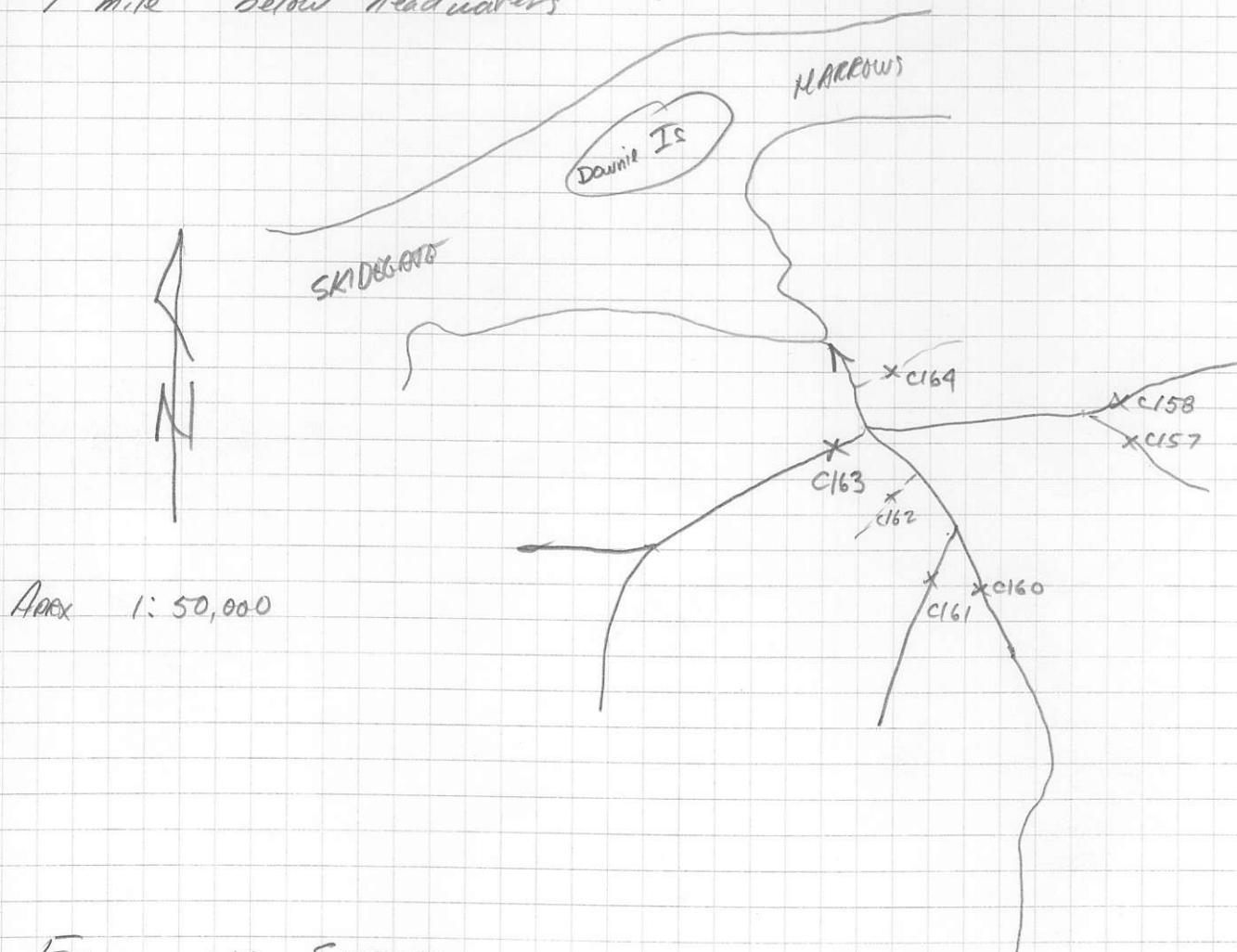
Note: This is a remote area not easily reached. Estimate
\$1000 access by helicopter from Sandspit or \$400
by fishing boat - however fishing season is on and
a fishing boat may not be accessible. Third alternative
is to fly to Langara Island by fixed wing \$200 return
and boat down 15 miles of exposed west coast
in Canoe Boat. Storm season is approaching & this
alternative probably should not be considered.

TOTAL \$1500 - 2000 ?

SKIDEGATE NARROWS

Recon. Anomaly - Sample 77C163 - 3400 ppb. Hg

- 5' wide creek draining Kunga Fm - sample approx. 1 mile below headwaters



FOLLOW-UP SILTING

- 28 additional samples have been collected
- 16 of these are of regional aspect
 - 12 of these detail the original anomaly upstream from C136
 - Proposed Hg - As - Au geochem - Cost \$9.50/sample plus prep.

Geology Rusty weathering brecciated carbonate float with pyrite is abundant near headwaters of C163 creek.

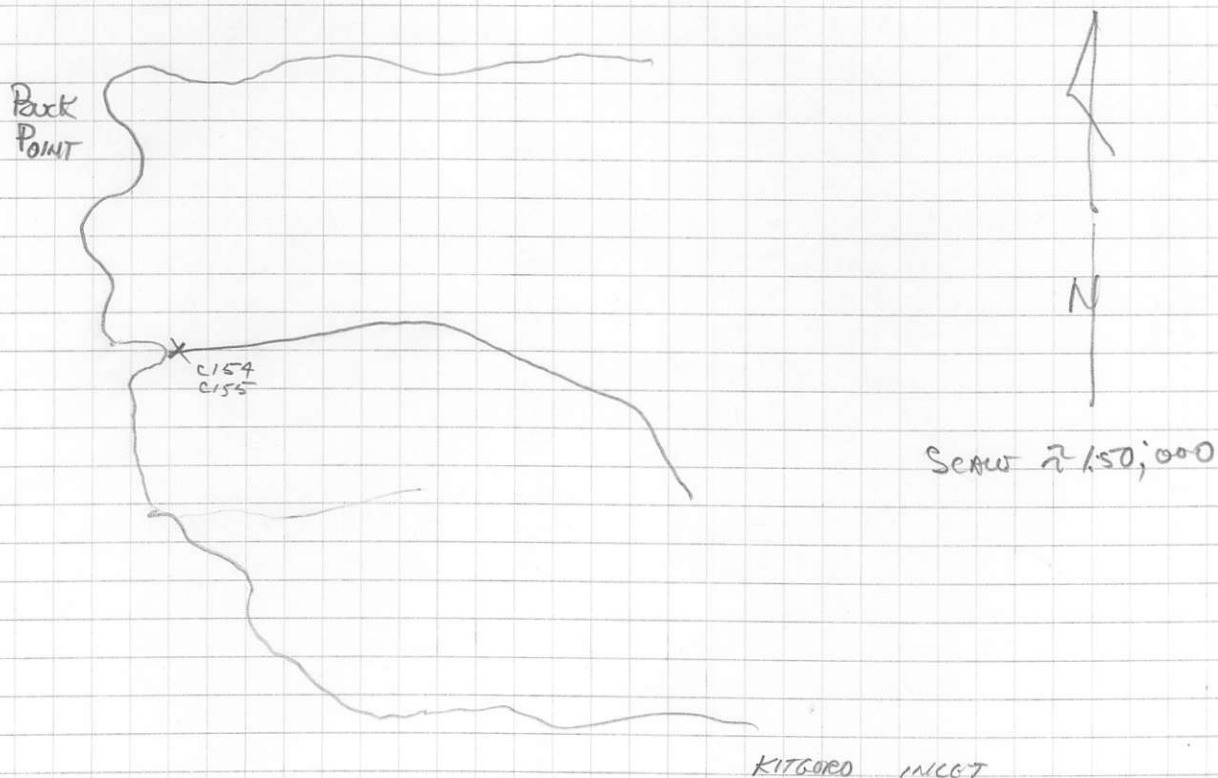
* SAMPLES ALREADY TAKEN

TOTAL \$ 300.00

Buck Point

Recon Anomaly - SILT - 48 ppm As
Rock Float

15 ppb Au (77C154)
(77C155)



Follow-up Sampling - Geology

21 additional silt and rock chip samples have been collected in drainage area. Silicified volcanic float and outcrop were seen in area 1/2 mile upstream from creek mouth. Barren o.c. limestone about 1/2 way up. Float in upper part of drainage looks dead. Silicification and quartz veining appear to be patchy or alternatively the creek may be on the edge of a larger system.

Proposed

21 - Hg-As-Au Geochem Analyses @ \$9.50/sample.
+ prep.

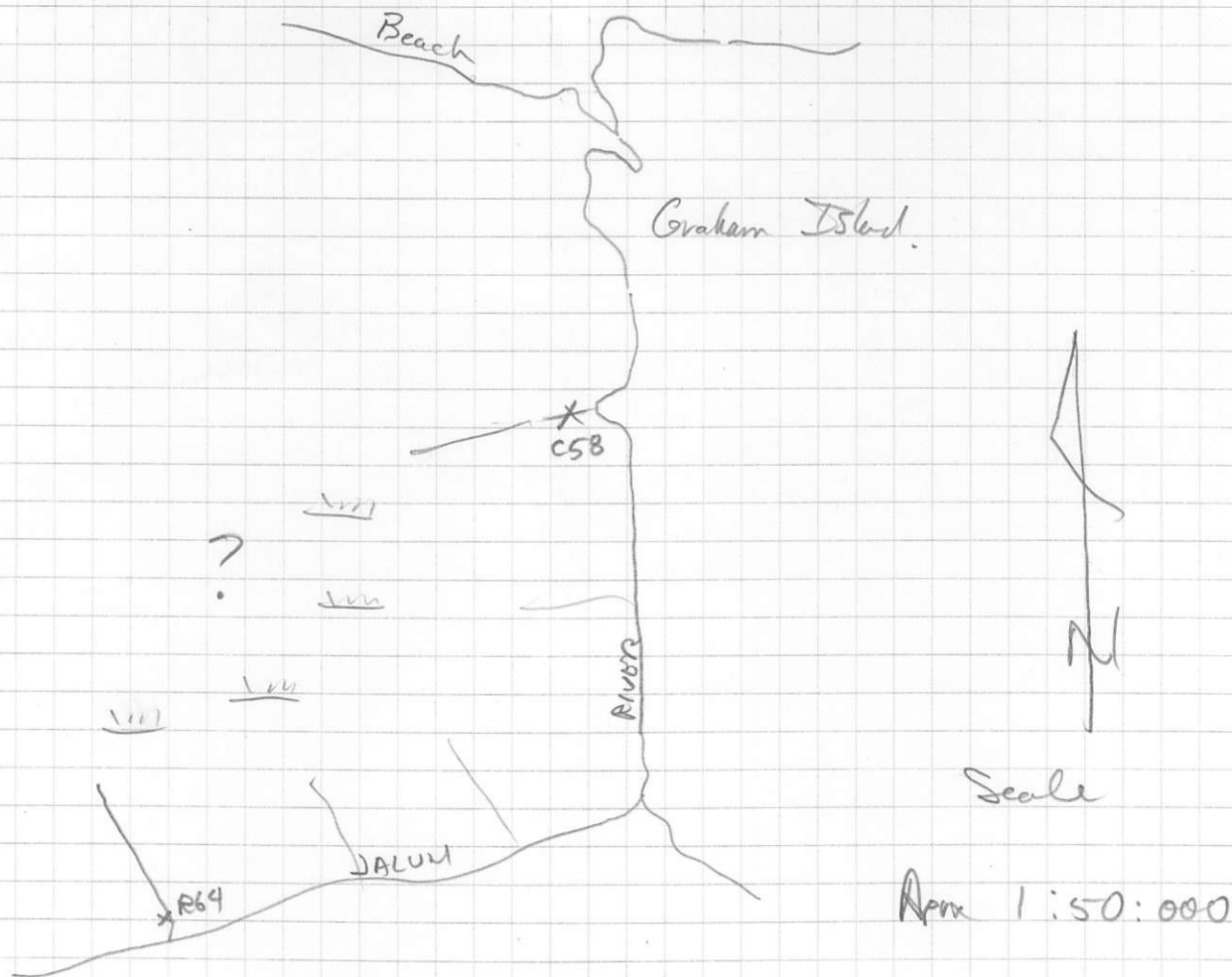
* Samples ALREADY TAKEN

TOTAL \$225⁰⁰

JALUM RIVER

RECON. ANOMALIES

77C58 - 250 ppb Au - silt
77R69 - 65 ppb Au silt



Bedrock in Jalum river is dead looking Messett volcanics, but 2 samples from creeks draining a large swampy area to the west contain anomalous gold. No other sampling in area, and nothing is known of the geology, although the entire area has been mapped as Messett by H.S. Brown. Current work has shown that windows exist in the Messett and that pre-Messett rocks are more extensive than indicated.

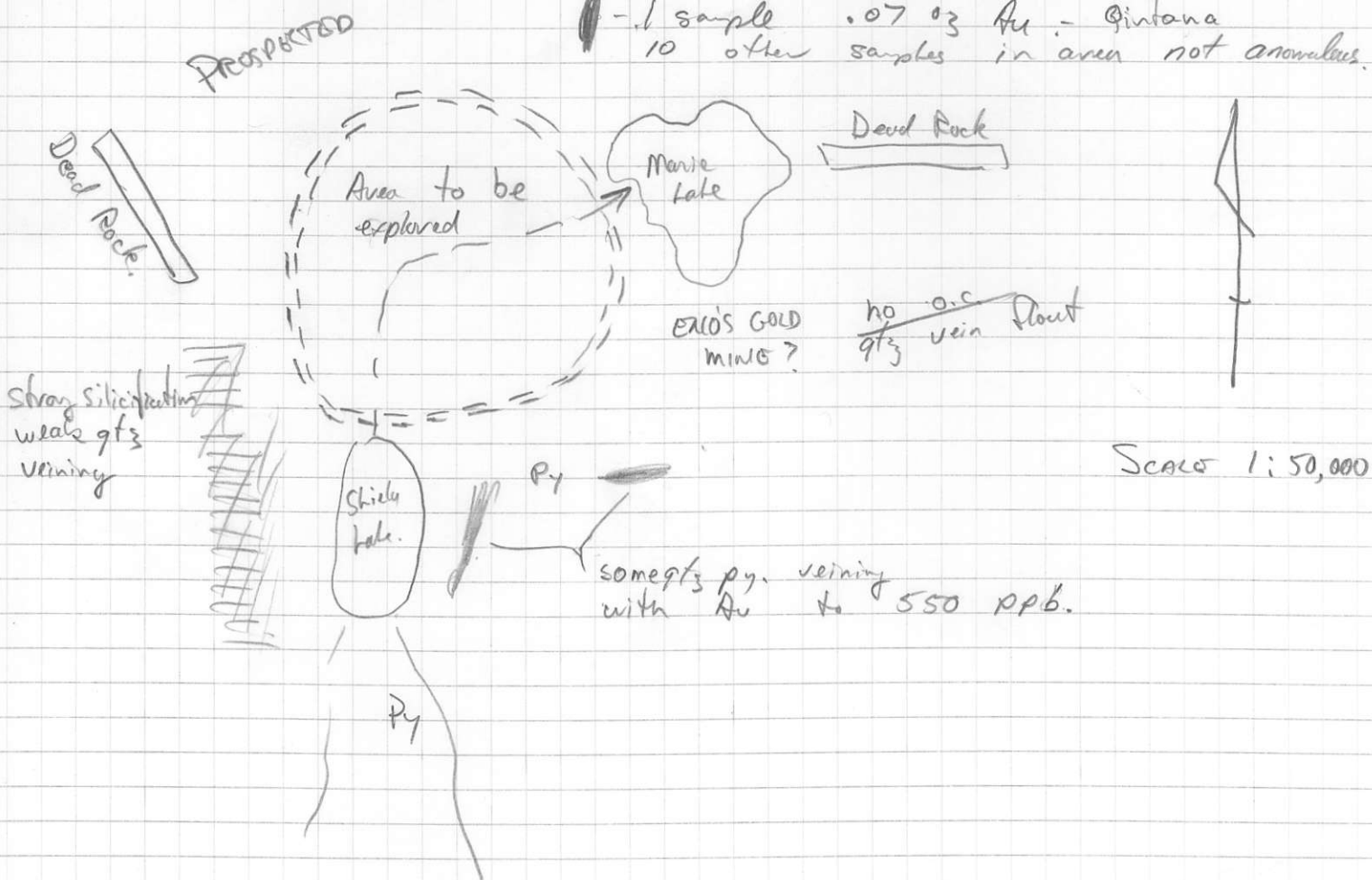
Proposal - The area is remote and could await follow-up till 1978.
- 50 additional samples should be enough to fully test the area of potential interest

① 50 - Au - As - Hg @ 9.50 + prep	550.00
② Transportation	200.00
TOTAL.	<u>\$ 750.00</u>

Micro Lakes - Shielu Lake

Recent Anomalies: - several rocks and silts including C18, 19, 31 - C2-C4 - strongly anomalous for Au
 - Some small areas of quartz veining and a large area of strongly silicified Massett volcanics are known west of Shielu Lake. Old gold prospect known as Eric's Gold Mine reported in area but exact location unknown.

- 1 sample .07 oz Au - Gintana
 10 other samples in area not anomalous.



PROPOSAL

The area between Marie and Shielu lakes should be traversed, mapped and geochemed as soon as possible, as it is easily accessible by road.

Areas of interest west and south of Shielu Lake can await a more convenient time.

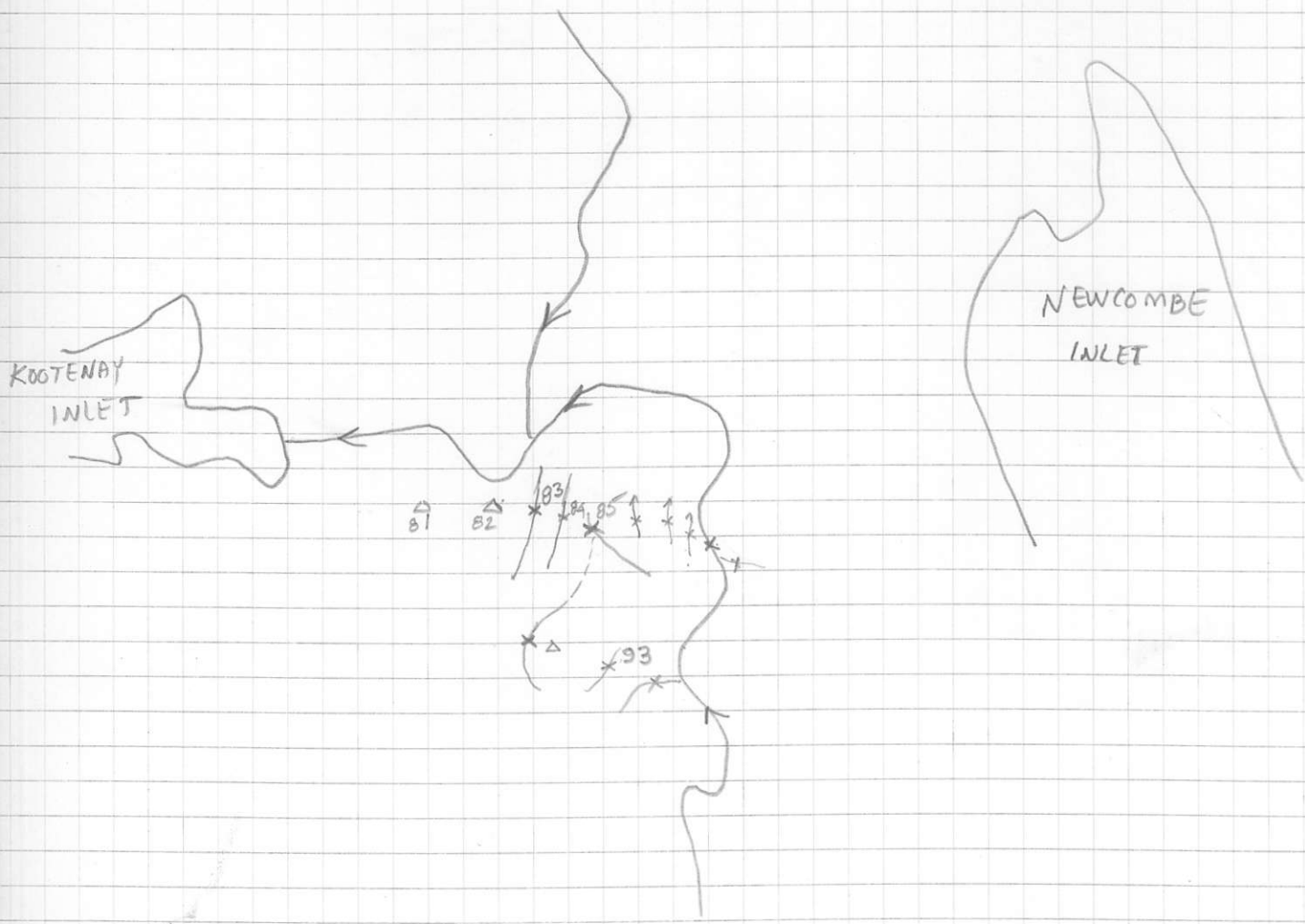
- 25 samples should be the maximum required to test this small area.

25 - Au, As, Hg @ \$9.50 + prep
 Transportation.

TOTAL \$350.00

KOOTENAY INLET

Recon Anomalies R 83 340 ppb Au ; R 93 45 ppb Au ; Intersecting
Samples are all < 5 ppb Au . All Hg < 200 ppb . All As < 20 ppm



Follow-up

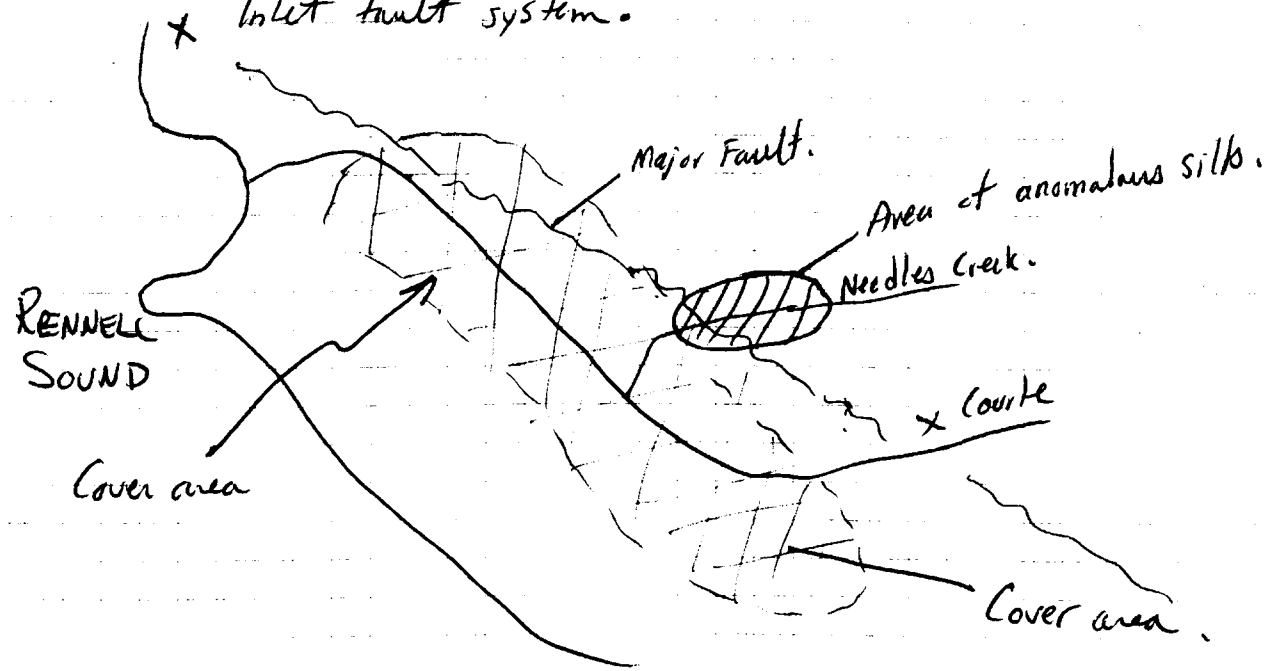
Propose to revisit area next year to examine more closely areas near anomalous silts and extend reele sampling to Newcombe Inlet.

Cost	Transportation	250	\$	200
	Followup assays	30 x 11/sample	\$	330
	Additional Rice	100 x 16		1600
	TOTAL		\$	2130.00

RILEY CREEK - NEEDLES CREEK

Reason Anomalies Several small ~~silts~~ ^{creeks tributary to} ~~collected from~~ ^{Needles}

Creek are known to be anomalous in Au (20-50 ppb) Au and Hg 1000-1500 ppb from some of Quintana's regional geochem. Also a Sb-Au showing ^{occurs} some 4 miles NW along strike of Courte and the Rennel Sand-Loscurule Inlet fault system.



Follow-up. Propose to silt Needles Creek and cover area along Riley Creek.

Cost. 135 samples x \$13.50/sample = \$1822.50
 Transportation 122.50

run for Au, Hg, As, Sb 1945.00