

OFFICE AIRPHOTO GRAVEL SEARCH
ALONG
A SHORELINE ZONE OF TERRAIN
BORDERING
GREAT SLAVE LAKE
VICINITY
YELLOWKNIFE BAY, N.W.T.

J D MOLLARD AND ASSOCIATES LIMITED

CONSULTING CIVIL ENGINEERS AND ENGINEERING GEOLOGISTS



545

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Prepared for:

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1.0 PURPOSE OF STUDY

The primary purpose of this study was to stereoscopically map, on the airphotos, all sand and gravel prospects falling within three (3) bands of terrain along the shorezone of Great Slave Lake vicinity Yellowknife Bay. Secondly, we were to attempt to rate all mapped prospect areas according to a rating system (good, fair, poor, very poor).

2.0 AIRPHOTOS AND MAPS USED IN STUDY

The following maps and airphotos were acquired and used as reference material by us during the course of our airphoto mapping process:

- o 1:250,000 NTS topographic maps of study area acquired from Canada Map Office, Ottawa.
- o 1:50,000 NTS topographic maps of study area acquired from Canada Map Office, Ottawa.
- o 1:63,000 aerial photography of study area acquired from your own office and supplemented through our own ordering from NAPL, Ottawa.

- o Bedrock map 709A by A.W. Joliffe, Canada Department of Mines and Resources, Mines and Geology Branch, 1937, 1938, 1939.
- o Bedrock map 1055A by I.C. Brown, Geological Survey of Canada, entitled Geological Map of District of Mackenzie, NWT, 1958.

3.0 BEDROCK AND SURFICIAL GEOLOGY IN THE STUDY AREA

Bedrock types on the north shorezone of Great Slave Lake are granodiorite, granite, quartz diorite, syenite, some gneissic rocks, and may include proterozoic granitic rocks. The dominant types occurring in this part of the search area are expected to be granites and granodiorites.

In the search area that lies on the south side of Great Slave Lake bedrock types are dolomite, red arsenaceous limestone, sandstone, conglomerate, arkose, gypsum, and salt beds. Dominant types of bedrock in this area are expected to be the dolomites and limestones.

Because of the bedrock geology along the south shore of Great Slave Lake it is suspected that there will not be a very good chance of finding gravel deposits containing a high percentage of granitic particles in them. In fact, most prospects mapped on the south shore area are expected

to be sandy beach deposits of carbonate origin. In the airphotos one can see that these prospects are often subject to duning indicating the very fine nature of these deposits. The hope for this area would be that enough wave-washing has occurred at or near the Old Glacial Great Slave Lake level (600'-700' ASL) that sorting has produced some coarser beach deposits. Finally, these beach deposits may often be thin overlying the slopes of carbonate bedrock plateau forms.

4.0 SUMMARY COMMENTS ON PROSPECTS ALONG WESTERN SHORELINE OF GREAT SLAVE LAKE (PROSPECTS 1 TO 19)

- o Carbonate bedrock terrain such as exists in this area is not normally a geologic environment which is conducive to the formation of granular aggregate deposits. This may be particularly so where there is little evidence of the presence of glacial drift or glacial meltwater action. Accordingly, as noted previously, we expect most prospect areas mapped in this environment to be thin oversanded beach deposits on the slopes of elevated carbonate bedrock plateaus. But occasionally, given the proper exposure to lake wave-washing and good prevailing wind directions, more extensive beach deposits can be formed. In our study-area, where such deposits exist, they will likely be at the 600'-700' ASL level, the old Glacial Great Slave Lake level during the glacial retreat period.

- o The general surficial condition that exists in this area, inland of the shoreline of Great Slave Lake, is one of large low-lying flat areas covered by peat and salt-rich thin surface deposits over bedrock. Accordingly good access haul roads to any inland prospects may be rather difficult to locate. But if one or two of these inland prospects do prove up and make sense to you respect their haul distance and gradation characteristics, we could then look at locating acceptable haul routes from them to the shoreline of Great Slave Lake; this for winter haul purposes.

5.0 SUMMARY COMMENTS ON PROSPECTS ALONG AND INLAND FROM THE NORTHEAST SHORELINE OF GREAT SLAVE LAKE (PROSPECTS 20-38)

- o Good access will also be a problem for prospects in this part of the study area except for those prospects lying very near the shoreline of Great Slave Lake.
- o Prospects 20,21 and 22A can be accessed quite easily due to the low-lying channel that leads from them down to Great Slave Lake. I have shown a winter-road route location leading from these prospects to the lake. It passes by (adjacent to or over) other small prospects often indicated only by an "X" on the airphotos

(Prospect 22A). I expect overland haul to the mouth of this channel, from prospect 20 or 21, and then ice-haul to the west (say Yellowknife) is the most practical scenario to use if, in fact, these prospects prove up.

Prospect 20 is some 14 km from Great Slave Lake and Prospect 21 is approximately 20 km from Great Slave Lake (see kileage shown on possible haul route from vicinity 20 and 21 to Great Slave Lake).

- o Other prospects that have fair promise are 19B, 26 and 30 both lying near the lake and having good ice-haul access to Yellowknife. Prospect 28 is less likely to prove up but, again, has good access.

6.0 RATING OF PROSPECT AREAS

- o Good to Fair: ~~1, 13A, 19, 19A, 20, 21, 26, 32~~
- o Fair to Poor: ~~1-B, 4, 7, 8, 12, 13, 14A, 18A, 22, 22A, 30~~
- o Poor: ~~1-A, 2, 3, 6, 9, 10, 18, 23, 28, 29A, 33, 34~~
- o Very Poor: ~~5, 11, 14, 15, 16, 17, 24, 25, 27, 27A, 29, 31, 35, 36, 37, 37A, 38.~~

7.0 WARNING

We do not want you to spend any time or money on the POOR and VERY POOR prospects (see 6.0 above); this certainly until after you have checked out all the prospects listed in 6.0 under the GOOD to FAIR and FAIR to POOR categories.

We issue this warning because it will be expensive to chopper into a lot of these sites (you may have to prepare chopper pads, etc.). In those prospects falling into the first two rating categories (i.e. Good-fair, Fair-poor) we can actually see there is granular material in nearly all of these. The problem with these prospects is that you will need to check out "what is the coarseness (gradation) in the deposit?" Conversely, in the last two categories (i.e. poor and very poor) we would be surprised if more than one or two prospects, out of all the prospects in these two classes, prove up to have anything worthwhile in them. Thus you should consider these as backup prospects, to be checked only as a last resort.

TABLE 1
SUMMARY OF INFORMATION AND COMMENTS
ON INDIVIDUAL PROSPECT NUMBERS
(SEE FIGURES 1 AND 2 FOR LOCATION OF PROSPECTS)

TABLE I
SUMMARY OF SAND/GRAVEL PROSPECTS

Page 1

PROSPECT NUMBER : 1-A

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: May be thin gravelly beach deposits on
carbonate bedrock plateau slopes. Expect sandy
deposits if present

PROSPECT NUMBER : 1-B

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: check outwash sandy deposits for
areas that may be coarse enough to be
useable; expect highly oversanded.

PROSPECT NUMBER : 1

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Low Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: very low profile, ^{bedrock-cored} esker-like ridge with
esker delta-like area on south end of area.
Esker located in granitic bedrock terrain
and may therefore have coarse-graded areas
in deposit

PROSPECT NUMBER : 2

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench;

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: may be some sands or gravels on
perimeter of area mapped. Alternatively, entire
area shown may be composed of sands. Gravelly
textured zones may be very sparse.

PROSPECT NUMBER : 3

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench;

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: wave-washed marine beach (duned); expect
mainly one-sized sands near-surface; check
at depth for gradation changes

TABLE 1
SUMMARY OF SAND/GRAVEL PROSPECTS

Page 2

PROSPECT NUMBER : 4

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Appears to be granular material deposited
against granitic bedrock knobs. Check
aspect

PROSPECT NUMBER : 5

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan (?)

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Check this ridge; may be morainial
landform (tbl?) or a bedrock remnant.

PROSPECT NUMBER : 6, 7, 8

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Areas appears to be outwash, but with
that have some low beaches and strandlines on them
(ie wave-washed). May be all sand. Check
in areas where "bleaching" is evident for coarser material

PROSPECT NUMBER : 9, 10

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Areas of sand reworked by marine-washing;
low beaches and strandlines evident in photos.

PROSPECT NUMBER : 11

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Check slope areas of bedrock-cored peat-covered
plateau for thin wave-washed beach deposits.

TABLE 1
SUMMARY OF SAND/GRAVEL PROSPECTS

Page 3

PROSPECT NUMBER : 12, 13 and 13-A

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS:

Marine beaches @ 600'-700' elevation ASL
check gradation; 13-A areas look quite
good.

PROSPECT NUMBER : 14 & 14-A

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: 14 is very ^{poor} prospect; maybe some thin beach
materials on slopes of elevated plateau.

14-A looks more promising

PROSPECT NUMBER : 15

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: check slopes of mapped areas
of Prospect 15 for presence of marine beach
deposition. May be thin and local, over
carbonate bedrock plateaus.

PROSPECT NUMBER : 16

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Beach "splays" deposited by marine
waters and later reworked. Shows low
beach ridges and strandlines in photos.

PROSPECT NUMBER : 17

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beaches

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: check for sands or gravels on slopes
of plateau-like carbonate bedrock
@ ± 600'

TABLE I
SUMMARY OF SAND / GRAVEL PROSPECTS

Page 4

PROSPECT NUMBER : 18 & 19

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beaches

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: 18 - more beach deposits; on flat-lying
bedrock

19 - beach deposits in bay setting

PROSPECT NUMBER : 19-A

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan;

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: East area is a Krotzky-looking Kame(?)
West area is lower & flatter

PROSPECT NUMBER : 20 & 21

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Prospects 20 and 21 appear to be deltaic (Eskertic)
Great Slave Lake) at about 600' ASL. They are the best-looking
areas of a continuing chain of deltaic deposition
along the bedrock channel they are deposited in. This
deposition continues on down (discontinuous) right to present
Great Slave Lake shoreline.

PROSPECT NUMBER : 22

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: maybe some intermittent deposition
caught up in this old spillway channel.

PROSPECT NUMBER : Prospect 22-A (wide, ^{large} low channel area)

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: this is the channel where prospects 20 & 21
are found. There appears to be some deltaic
deposition of granular material (sand vs gravel?)
all the way along this channel though discontinuous
I have marked "X" at locations where this deposition is
exposed (i.e. not covered by flat). Most of the area is bedrock except

TABLE 1
SUMMARY OF SAND/GRAVEL PROSPECTS

Page 5

PROSPECT NUMBER : 23

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench; no landform
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: may be discontinuous segments of
old sandy beach along this reach of present-day
shoreline; difficult to tell but worth a check because
of the accessibility factor should material exist here.
a few houses may be present just to west of area mapped.

PROSPECT NUMBER : 24

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: these areas appear to have trees and
shrubs on them. It is therefore difficult to
tell if any outwash exists in bottom of these
bedrock spillway channels. Worth a check.

PROSPECT NUMBER : 25

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: there a couple of kame-like hills in this area
that may be granular or they may be till. worth
a quick chopper check. (knobs may be simply
till covered bedrock-cored hills, alternatively)

PROSPECT NUMBER : 26

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; beach
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: small beach ridges trapped between bedrock
"highs". Gradation unknown but easy to check
and very accessible to ice-haul. Definitely
material here but will need to prove quantity
and quality. The east area looks most promising.

PROSPECT NUMBER : 27

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan; morainal?
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Tiny ridge-like landform may be ice-contact
morainal deposit and may have granular
material in it. Doubtful at best but
again it is worth checking.

TABLE I
SUMMARY OF SAND/GRAVEL PROSPECTS

Page 6

PROSPECT NUMBER : 27A

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS:

Low-lying area may have some deposition (outwash) along bottom of what appears to have been a bedrock spillway channel for glacial waters.

PROSPECT NUMBER : 28

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS:

Check tiny narrow ridge; may be granular. (?)

PROSPECT NUMBER : 29

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS:

check low-lying areas for outwash deposits; area wet

PROSPECT NUMBER : 29-A

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench; Knobby

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS:

maybe Kamey area (granular?) or maybe till draped over bedrock? Worth checking.

PROSPECT NUMBER : 30

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS:

Very tiny bench (terraces) may be remnant of a once larger terrace. The more northern area of the two looks the most interesting.

TABLE I
SUMMARY OF SAND/GRAVEL PROSPECTS

Page 7

PROSPECT NUMBER: 31

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Very poor prospects but chance of outwash gravels (valley train) in old glacial bedrock channels that were used by meltwaters.

PROSPECT NUMBER: 32

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Large area of sand and gravel at airport. Two open existing pits in general area are shown. Three open pit mines (Giant yellowknife I believe) are also shown. Check the extension area shown at open gravel pit nearest airport

PROSPECT NUMBER: 33 = 34 = 35

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: maybe four small areas of ice-contact deposition here(?); prospects are very poorly defined in airphotos and therefore questionable. Hope is for one of these to have granular material in it.

PROSPECT NUMBER: 36

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: Very poor prospect; check only if choppering past this area. Area is a low-lying wet area mainly peat-covered. Question would be: Is there sand or gravel outwash below the peat?

PROSPECT NUMBER: 37 = 37A

Geologic landform / feature: Esker; kame; outwash; ^{and} ice-contact; terrace; delta; fan
Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench
Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS: 37 is ridgy; 37A is flat. Can hardly get these areas in stereo as they are right on edge of stereo coverage. Worth checking.

TABLE I
SUMMARY OF SAND/GRAVEL PROSPECTS

Page 8

PROSPECT NUMBER : 38

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS :

*Cannot be sure whether these three (3)
small areas are peat-covered outwash
sand or gravel or just peat. But since
they are on shoreline of Great Slave Lake they are
worth a check.*

PROSPECT NUMBER :

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS :

PROSPECT NUMBER :

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS :

PROSPECT NUMBER :

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS :

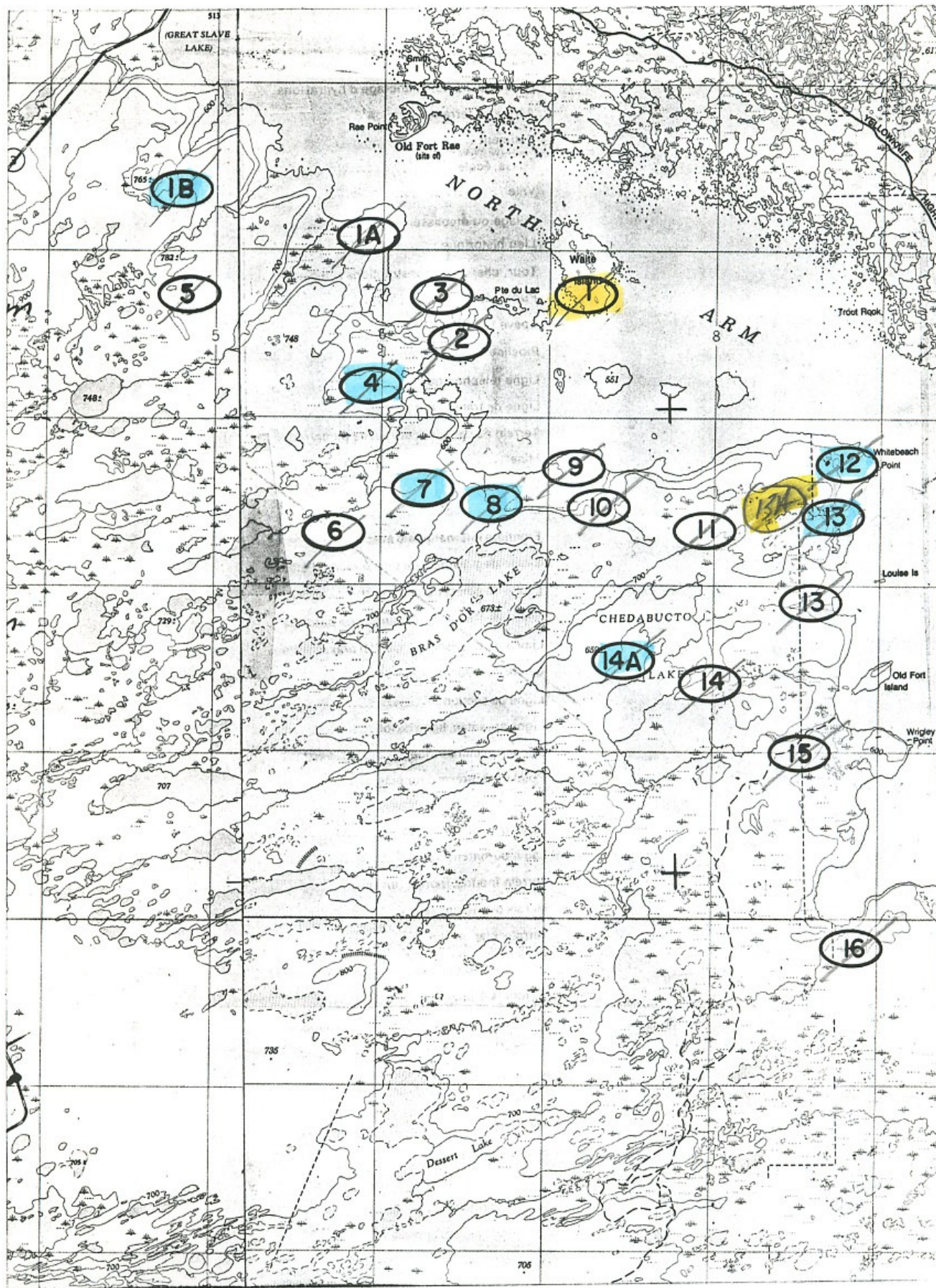
PROSPECT NUMBER :

Geologic landform / feature: Esker; kame; outwash; ice-contact; terrace; delta; fan

Surface topography: Ridge; hill; flattish; in drainage way; sloping; bench

Source of data: Farmwell (SWC or SRC); stereoscopic airphoto mapping

COMMENTS :



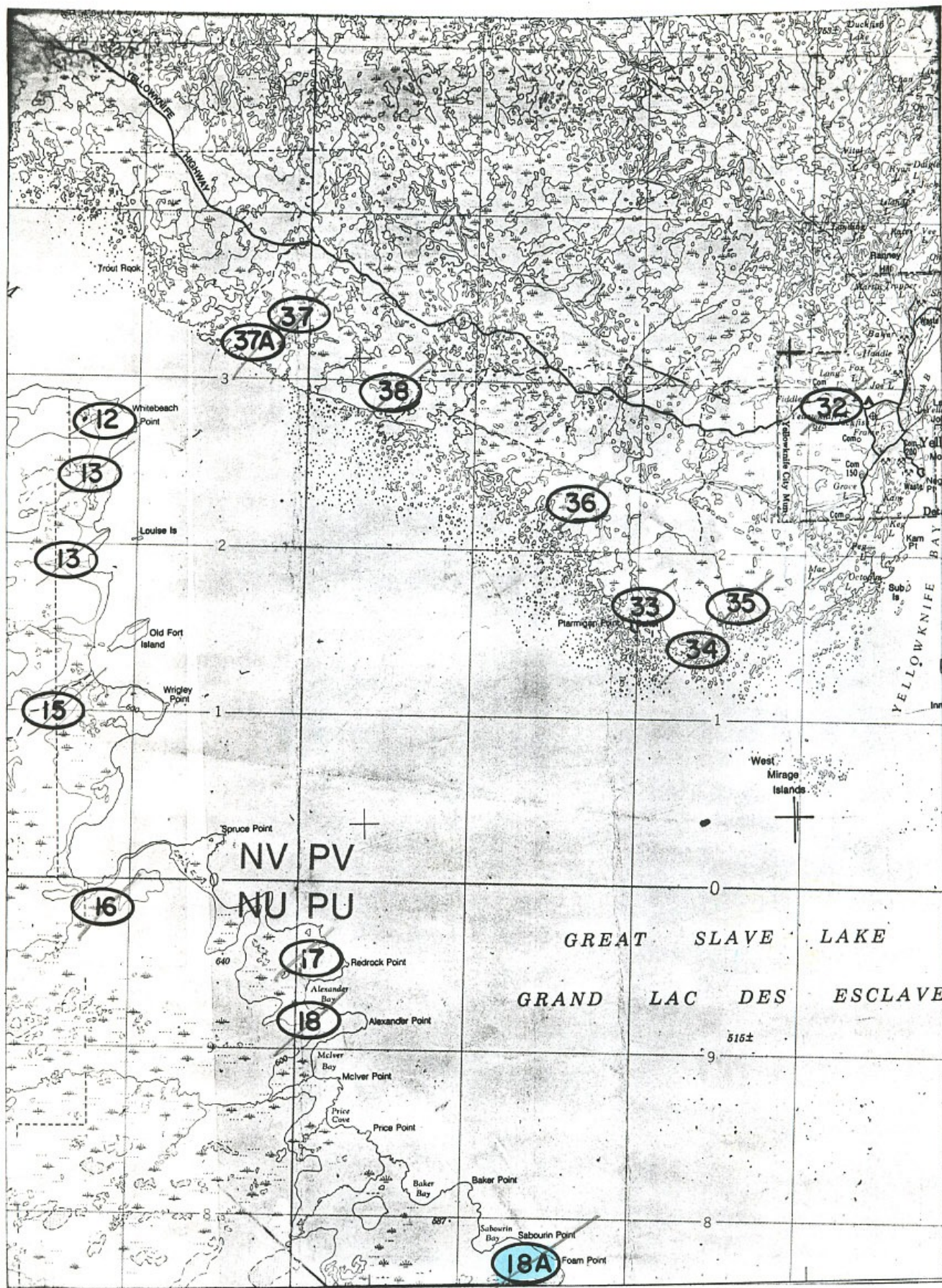
- Legend*
- Good to fair
 - Fair to Poor
 - Other

KEY MAP SHOWING PROSPECTS 1 to 38

0 5 10 15 20 25 30 km

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FIGURE 1
SHEET 1 of 3

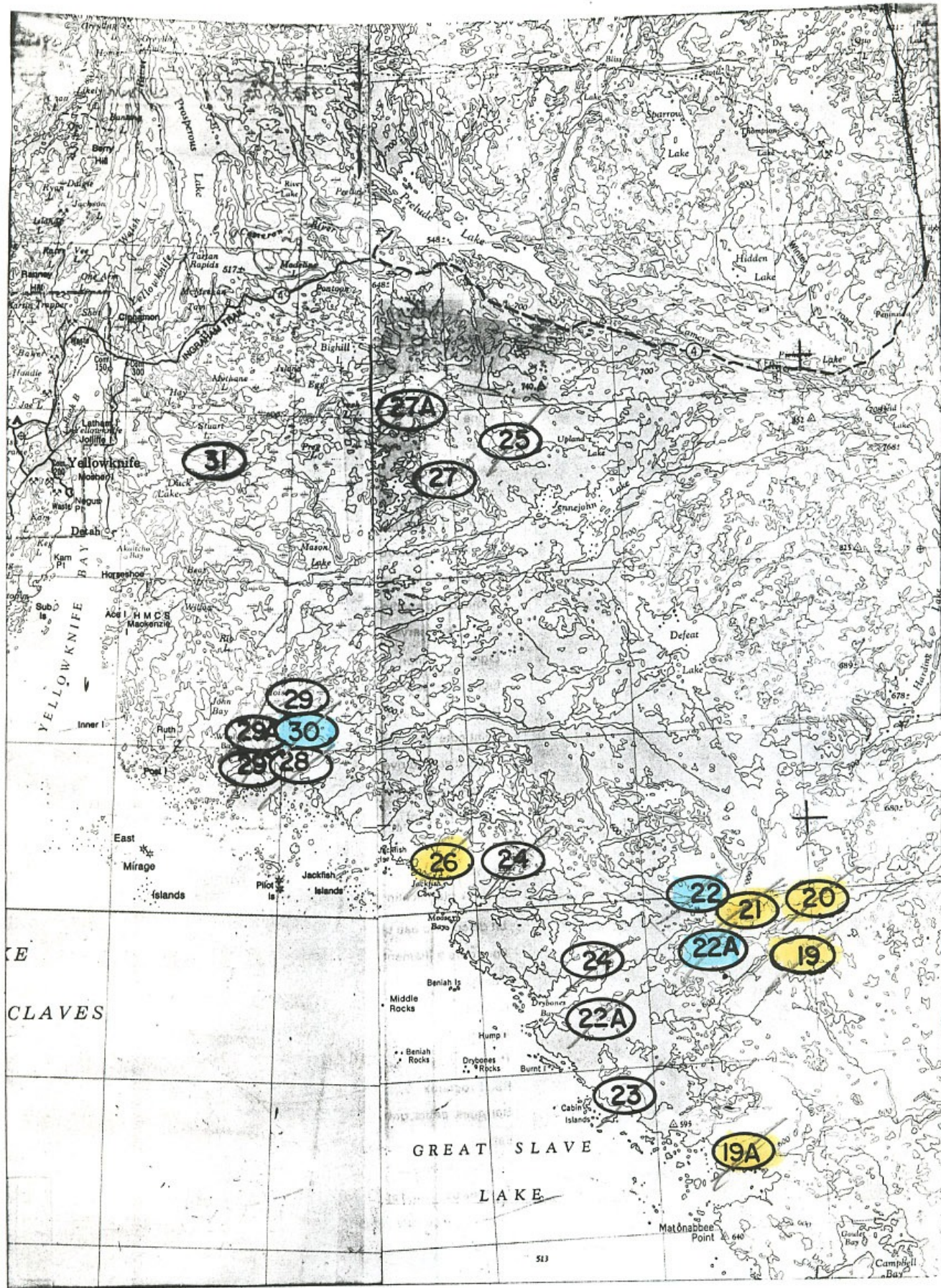


KEY MAP SHOWING PROSPECTS 1 to 38

0 5 10 15 20 25 30 km

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FIGURE 1
SHEET 2 of 3



KEY MAP SHOWING PROSPECTS 1 to 38

0 5 10 15 20 25 30 km

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FIGURE 1
SHEET 3 of 3

FIGURE 2

XEROXED AIRPHOTO PRINTS
SHOWING PROSPECT AREAS WITH COMMENTS

Color Legend



Green

Prospect Number



Pink

Airphoto-mapped sand or gravel
prospect area



Red

Open gravel(?) pit area



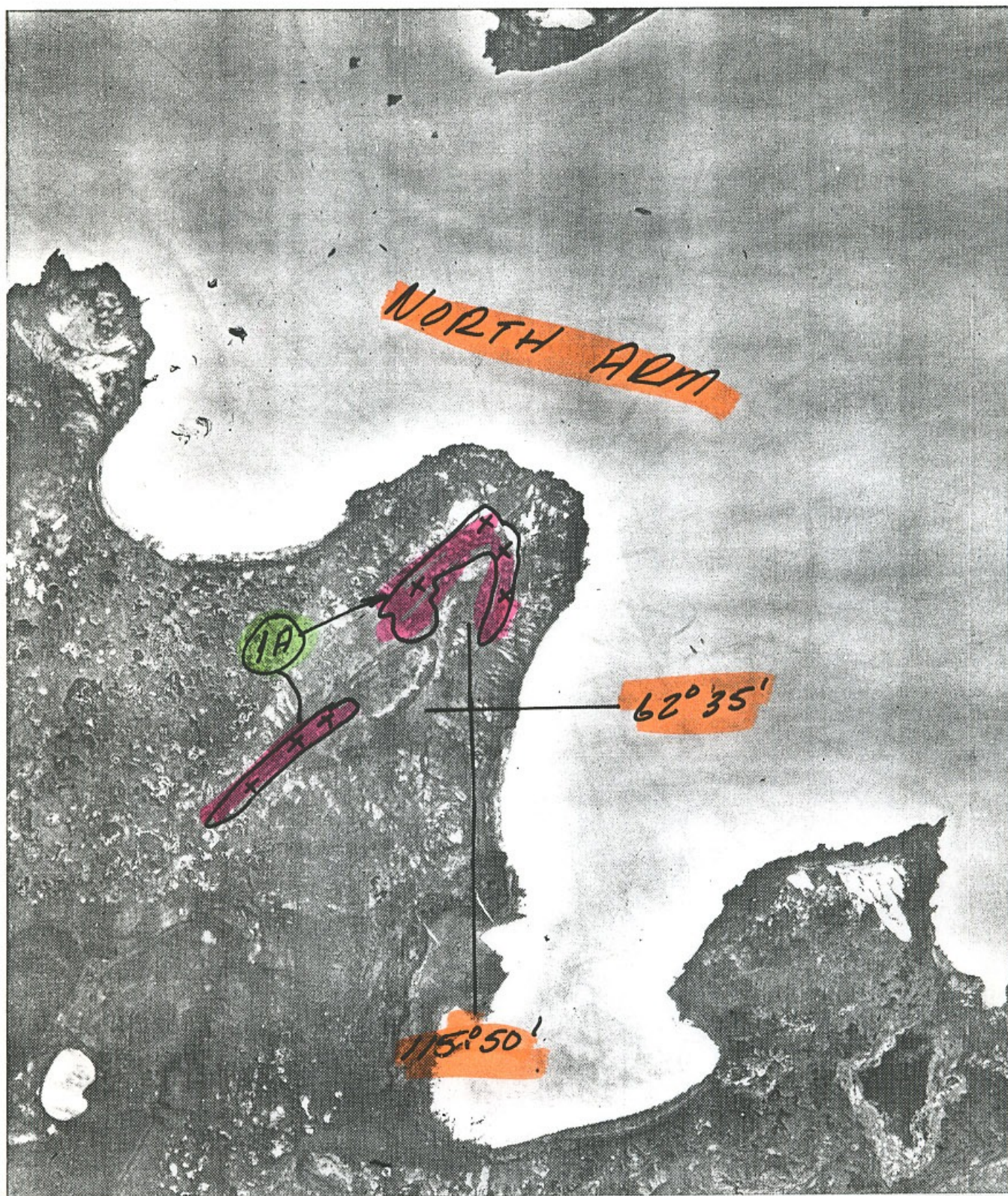
X-hatched Red

Possible open-pit minesite (ore
mining)



Orange

Settlements, rivers, lakes, creeks,
land locations, cultural features



0 1 2 3 km

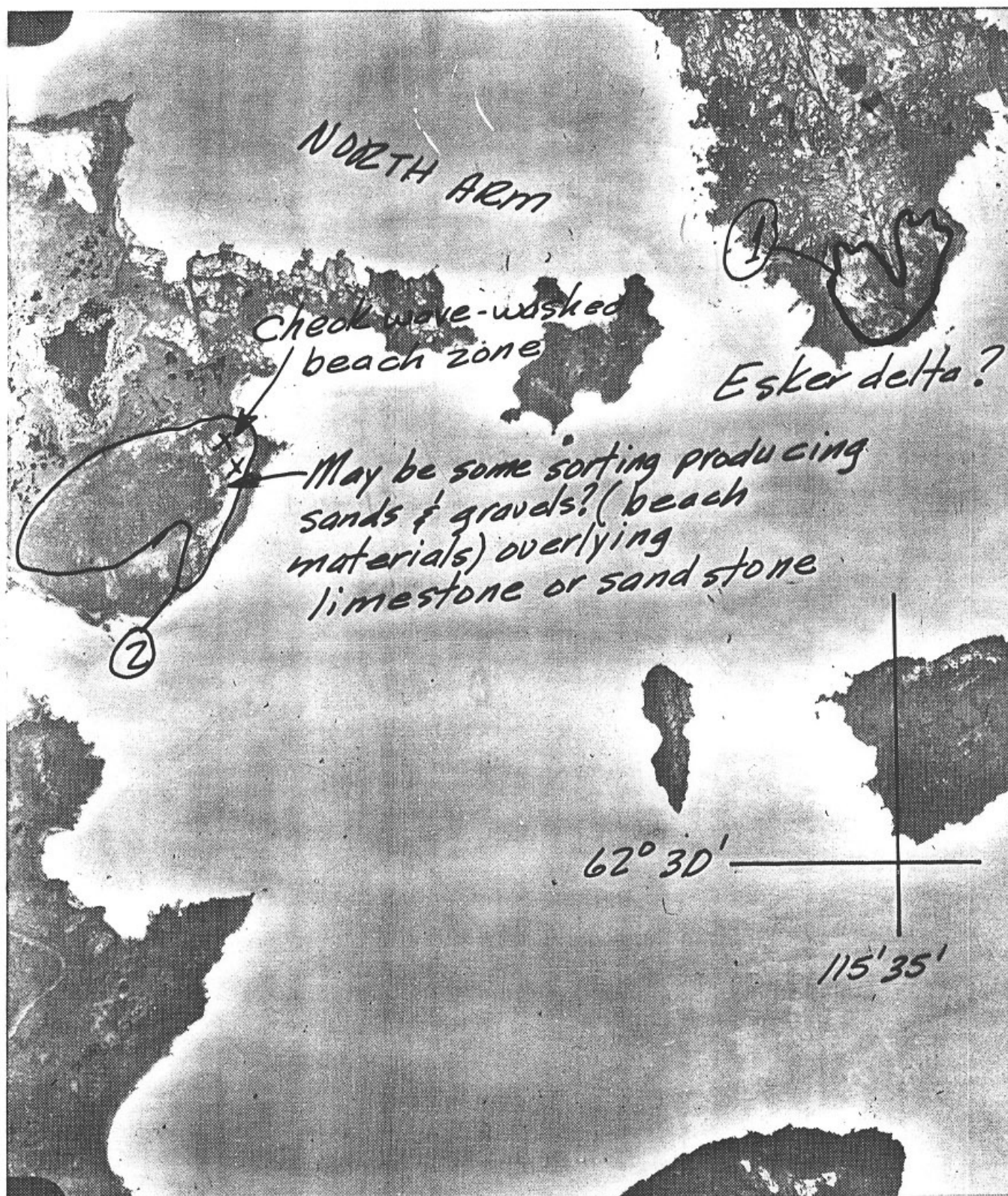
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NTS 85J
PROSPECT(S) 1A



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NTS B5K
PROSPECT(S) 18



0 1 2 3 km

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NTS 85J
PROSPECT(S) 1, 2



0 1 2 3 km

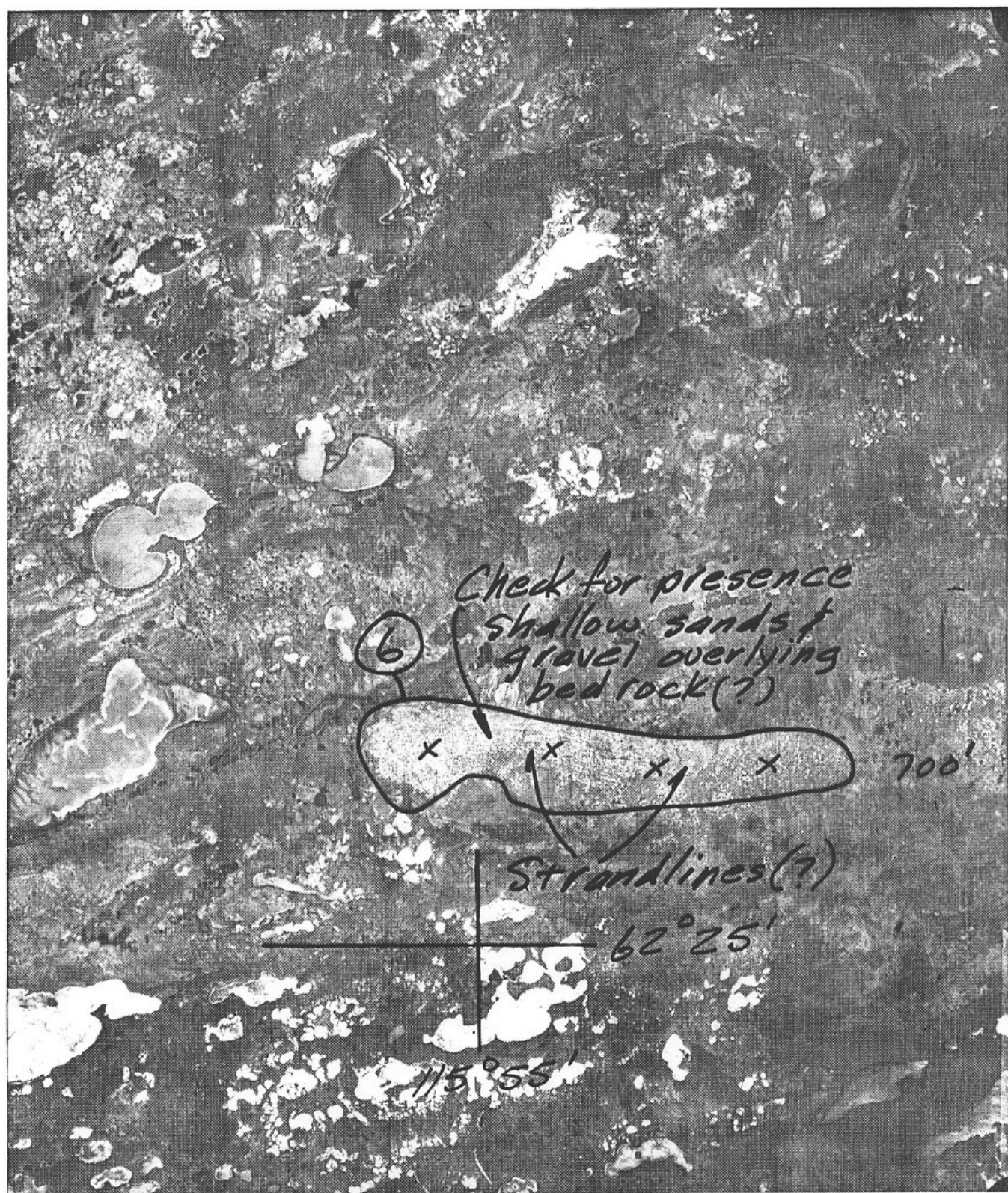
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NTS 85J
PROSPECT(S) 3,4



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NTS 85K
PROSPECT(S) 5



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NTS 85J
PROSPECT(S) 6



NTS 85J
PROSPECT(S) 7, 8



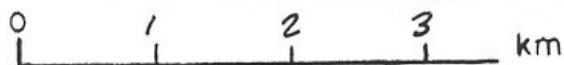
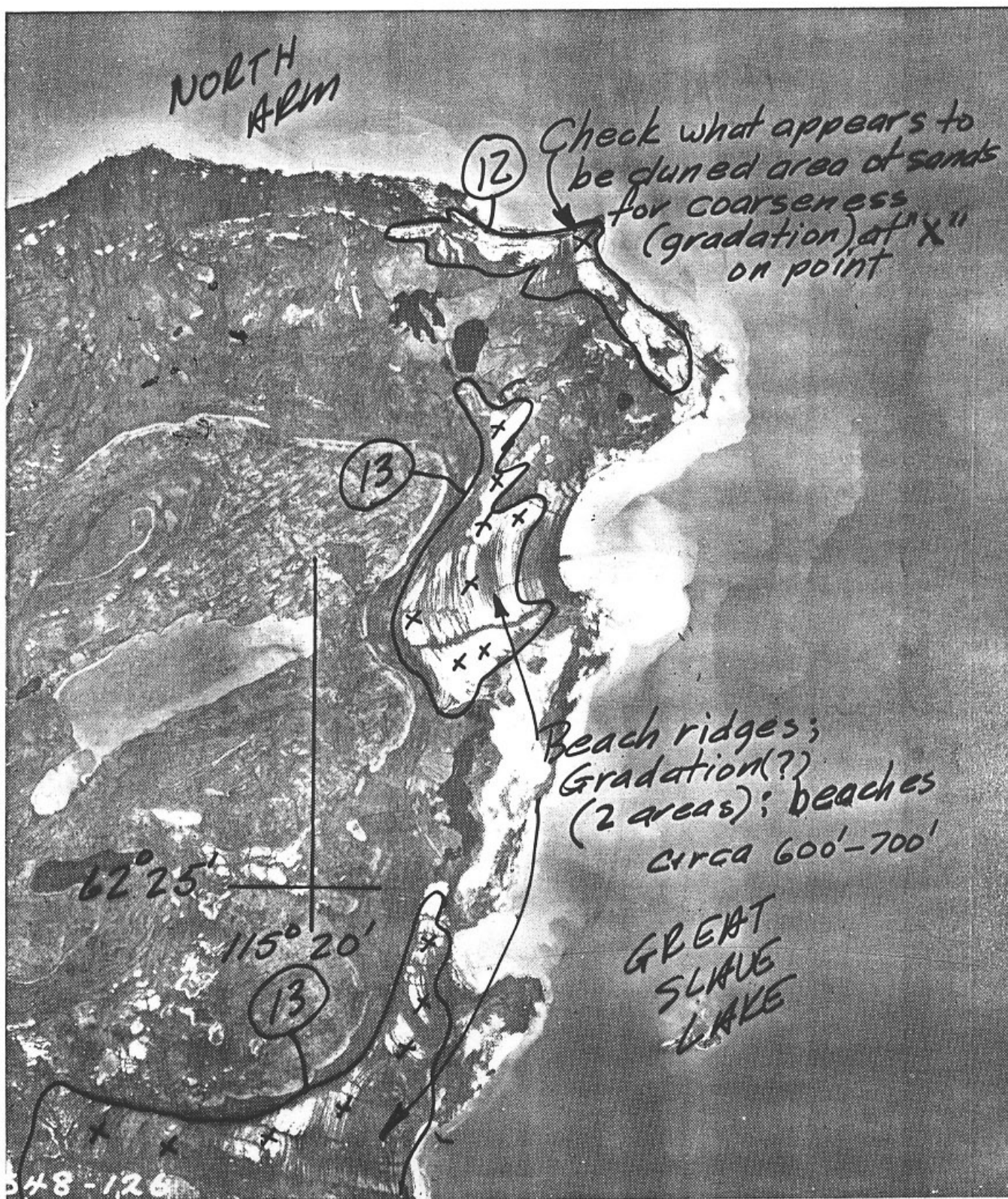
J.D. Mollard and Associates Limited
October, 1992

NTS 85J
PROSPECT(S) 9, 10



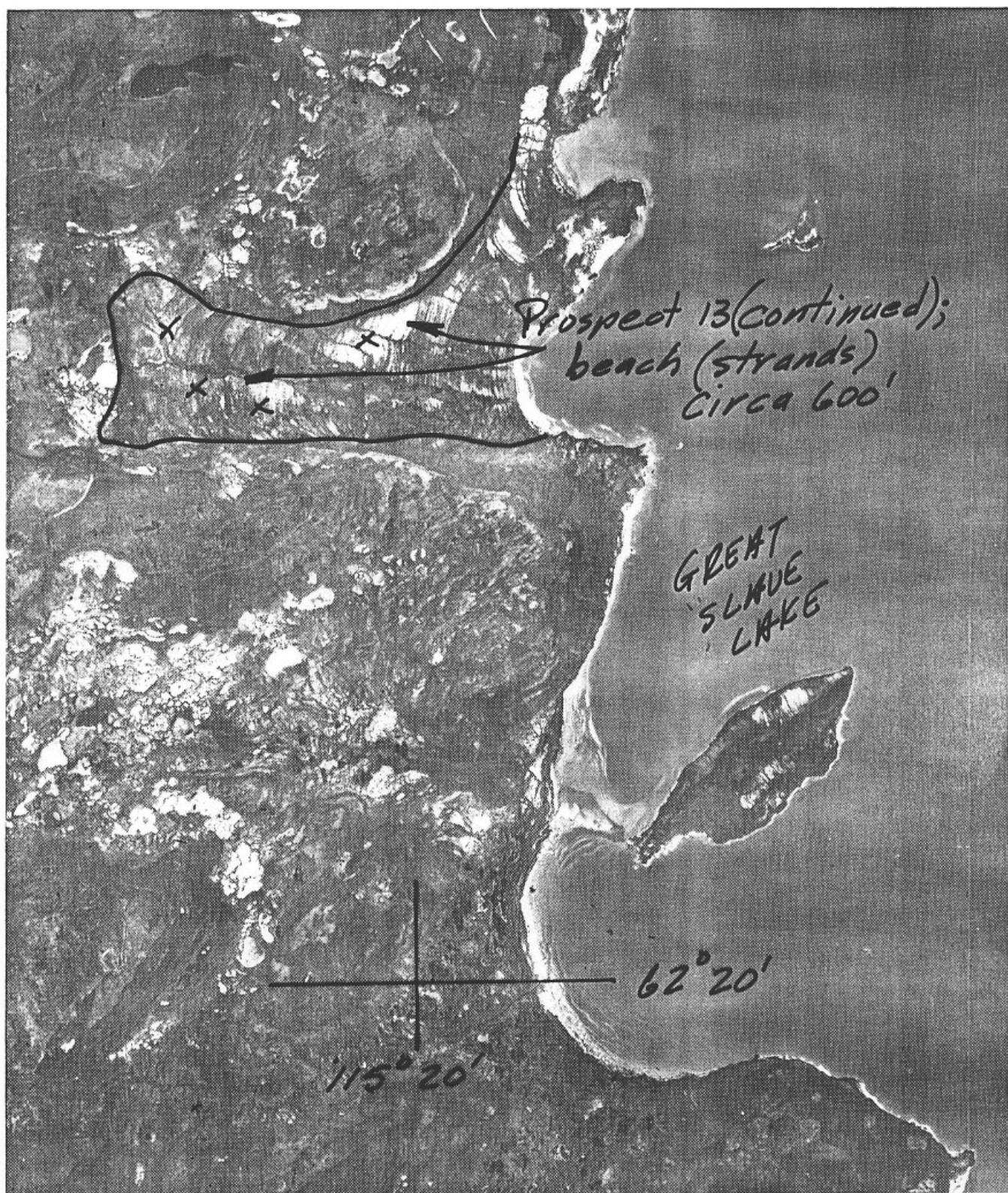
J.D. Mollard and Associates Limited
October, 1992

NTS 85J
PROSPECT(S) 11



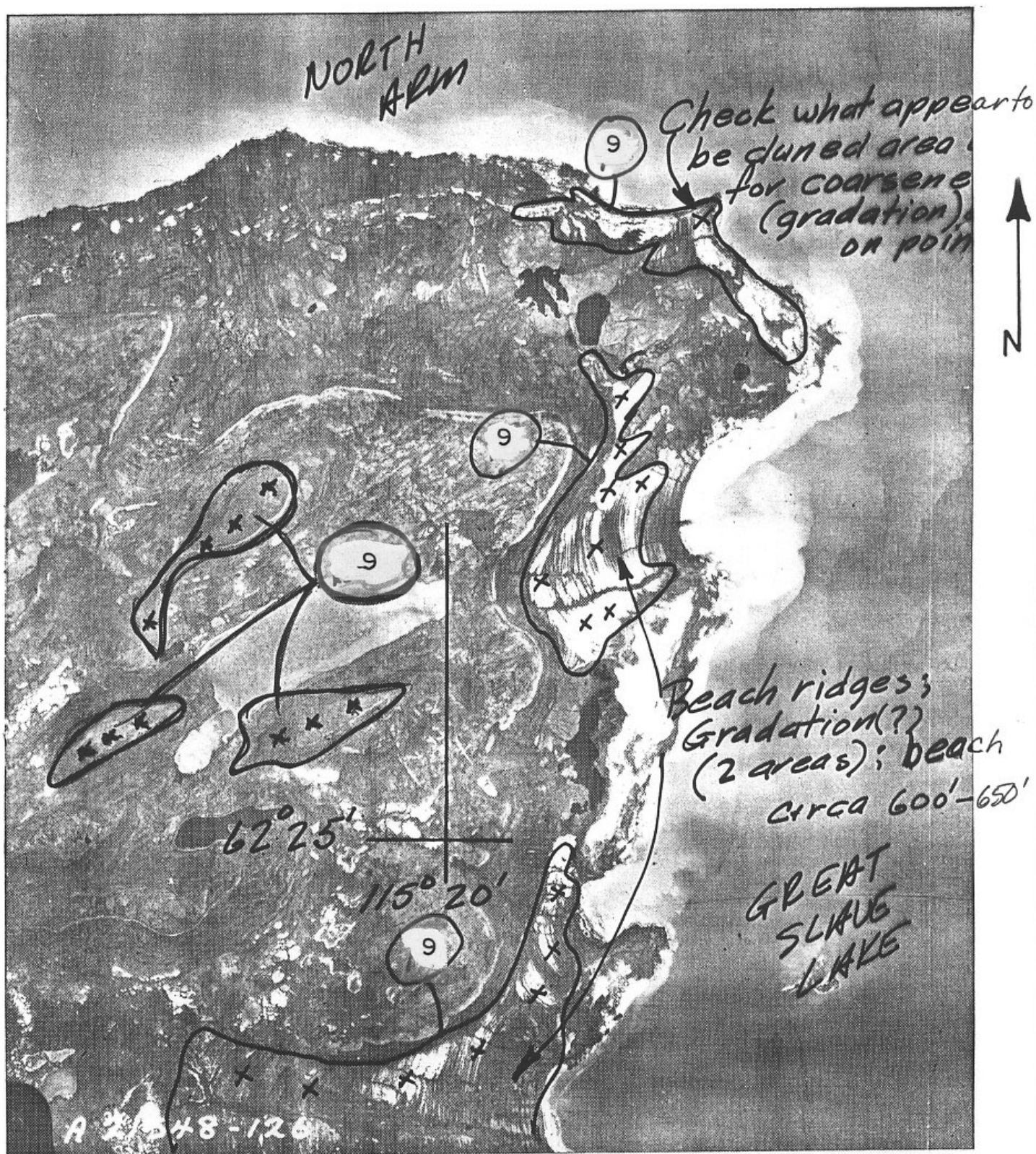
J.D. Mollard and Associates Limited
October, 1992

NTS 85J
PROSPECT(S) 12, 13



J.D. Mollard and Associates Limited
October, 1992

NTS 85J
PROSPECT(S) 13



0 1 2 3 km

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October, 1992

NTS 85J
PROSPECT(S) 13A



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October, 1992

NTS 85J
PROSPECT(S) 14



0 1 2 3 km

J.D. Mollard and Associates Limited
October, 1992

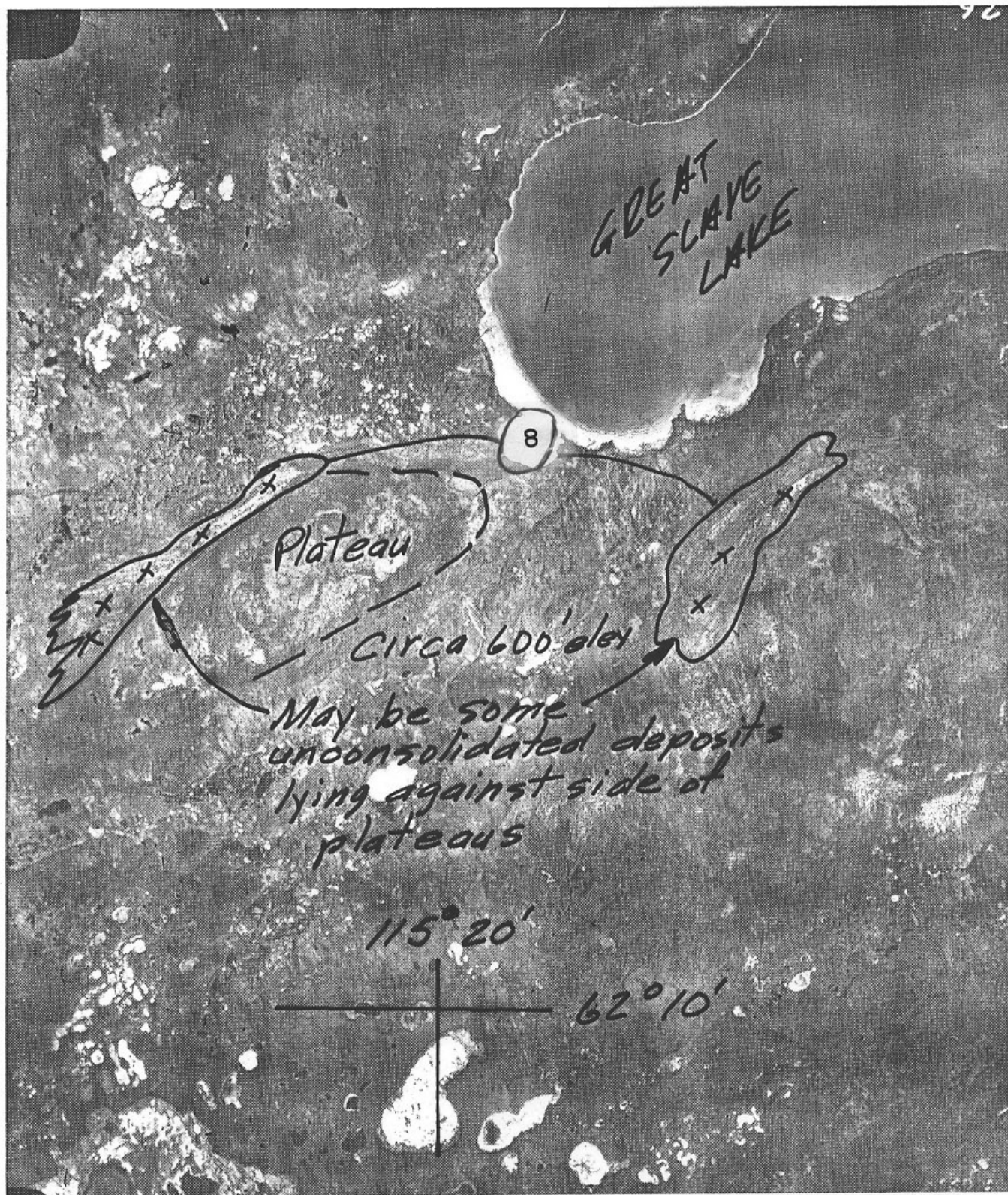
NTS 85J
PROSPECT(S) 14A



0 1 2 3 km

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NTS 85J
PROSPECT(S) 15



0 1 2 3 km

J.D. Mollard and Associates Limited
October, 1992

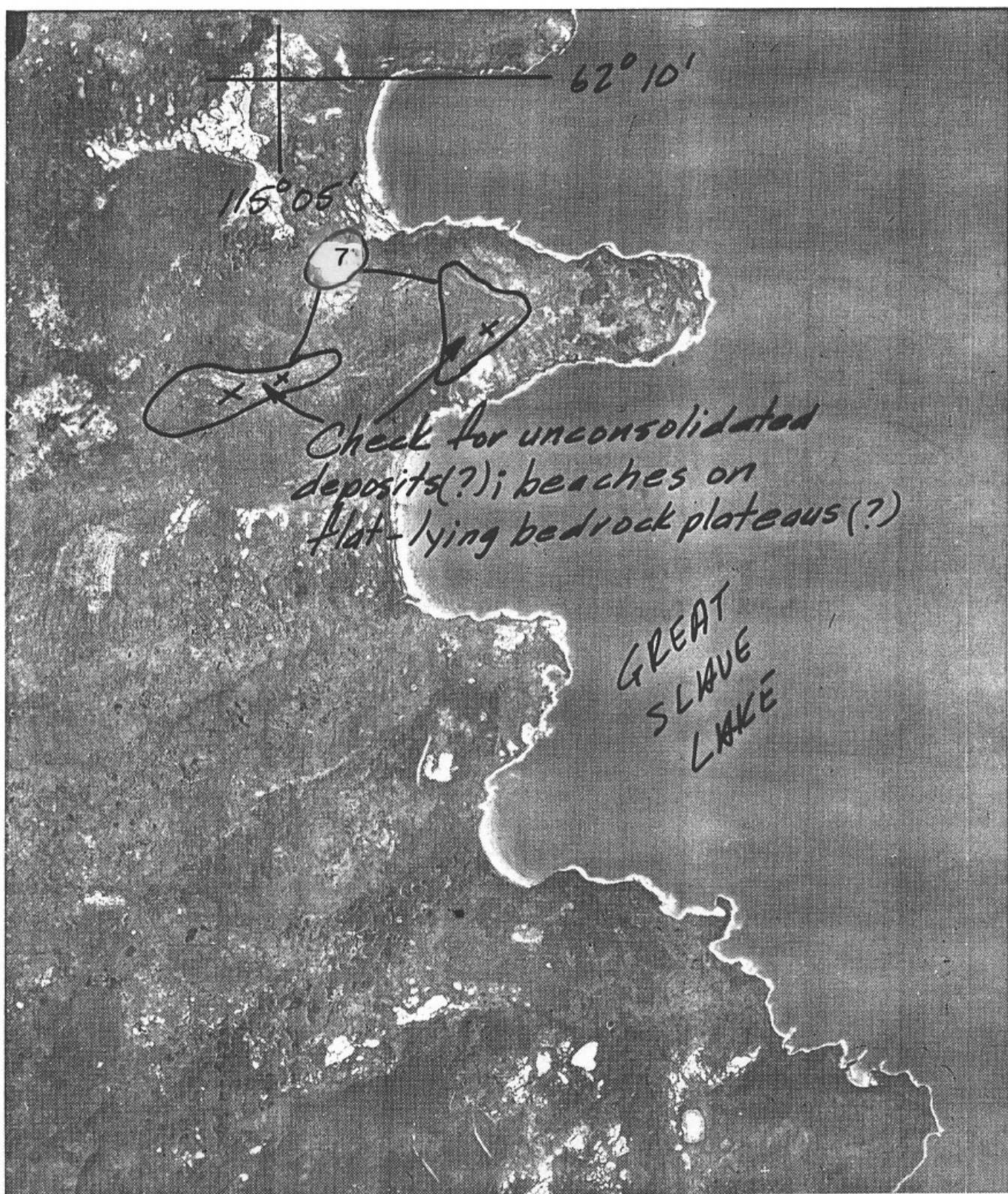
NTS 85J
PROSPECT(S) 16



0 1 2 3 km

J.D. Mollard and Associates Limited
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NTS 85J
PROSPECT(S) 16, 17



0 1 2 3 km

J.D. Mollard and Associates Limited
October, 1992

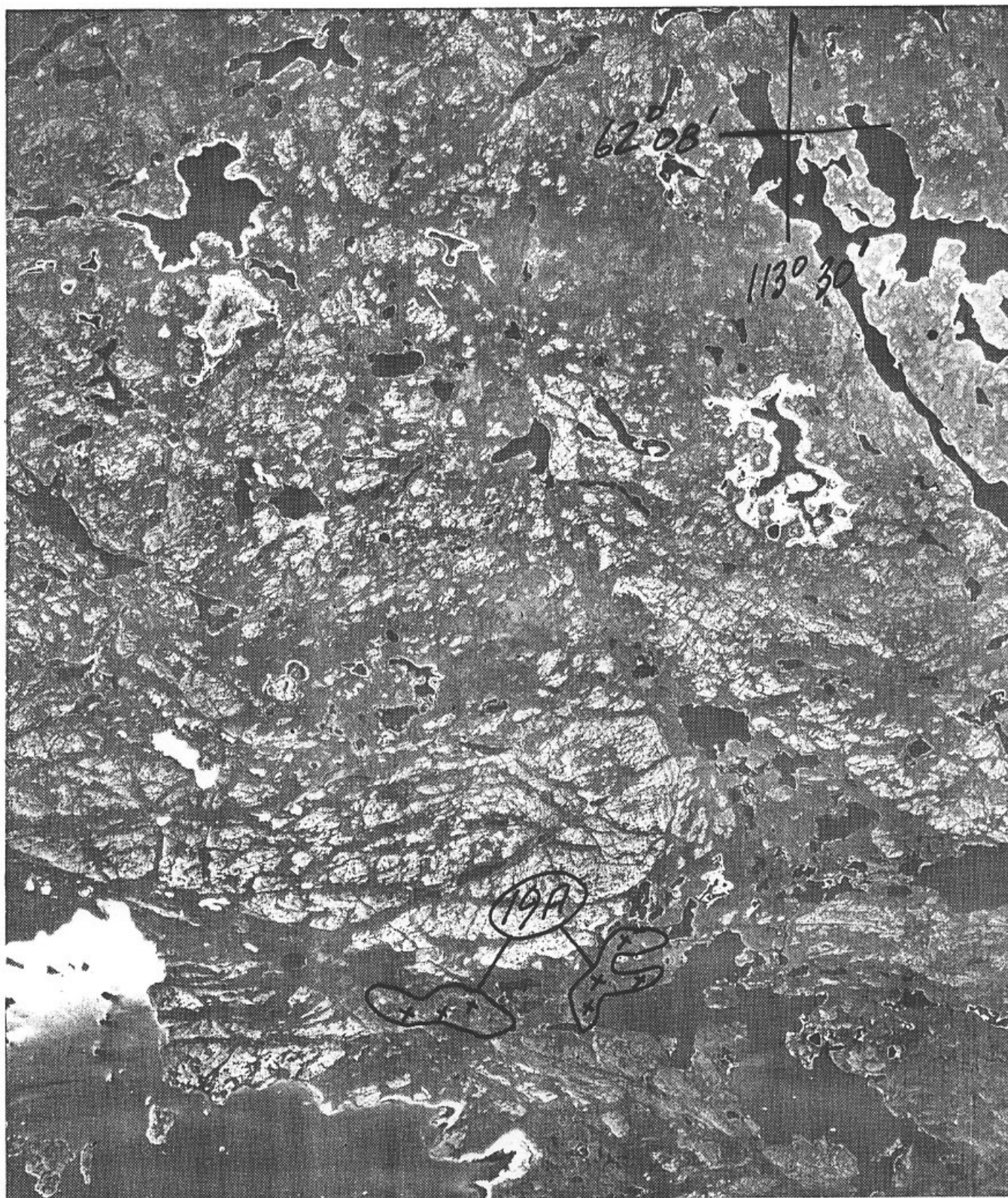
NTS 85J
PROSPECT(S) 18



0 1 2 3 km

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NTS 85J
PROSPECT(S) 18A



0 1 2 3 km

J.D. Mollard and Associates Limited
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NTS 85I
PROSPECT(S) 19A



0 1 2 3 km

J.D. Mollard and Associates Limited
October, 1992

NTS 85I

PROSPECT(S) 19, 20, 21, 22, 22A



0 1 2 3 km

J.D. Mollard and Associates Limited
October, 1992

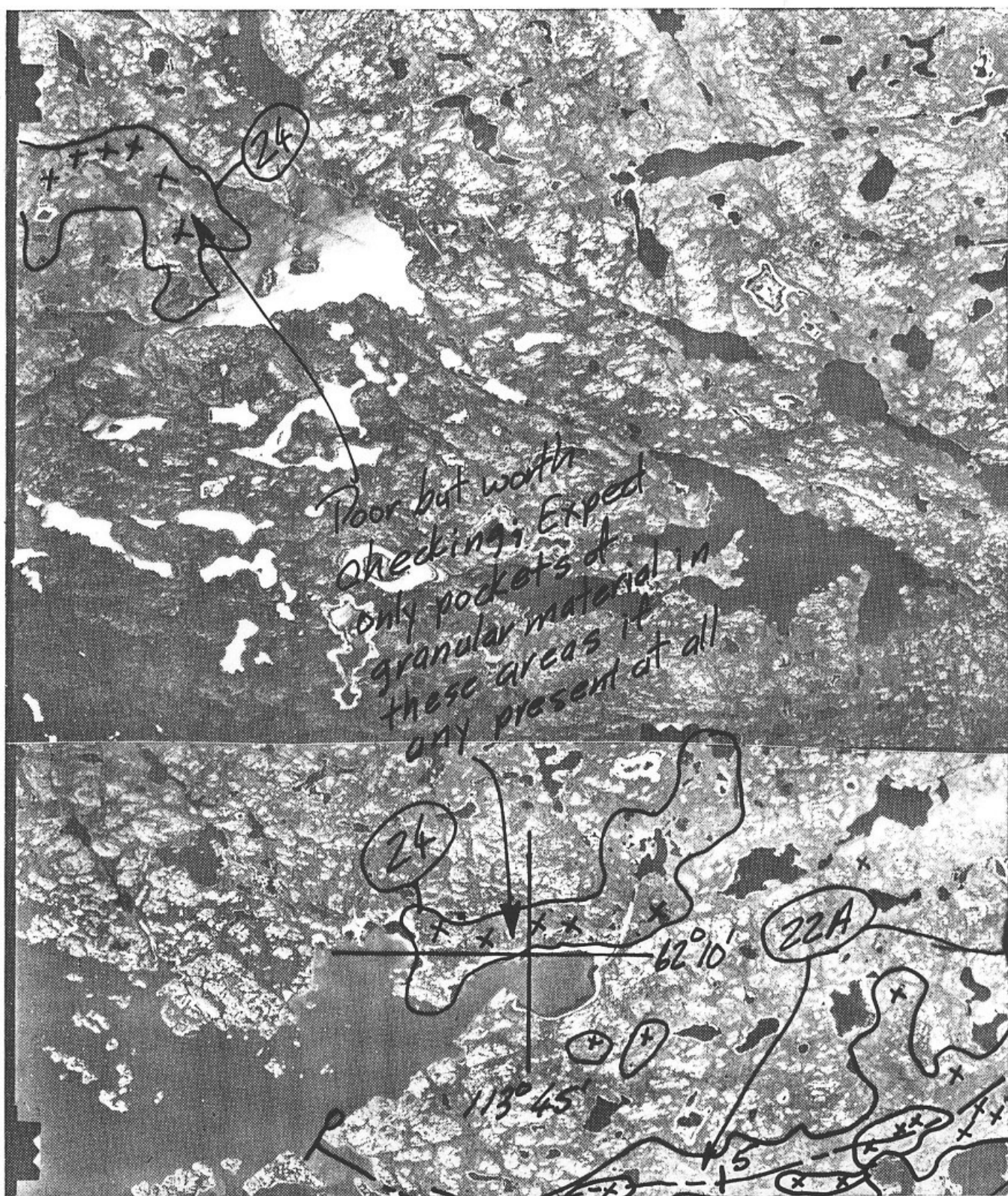
NTS 85I

PROSPECT(S) 19, 20, 21, 22, 22A



NTS 85I

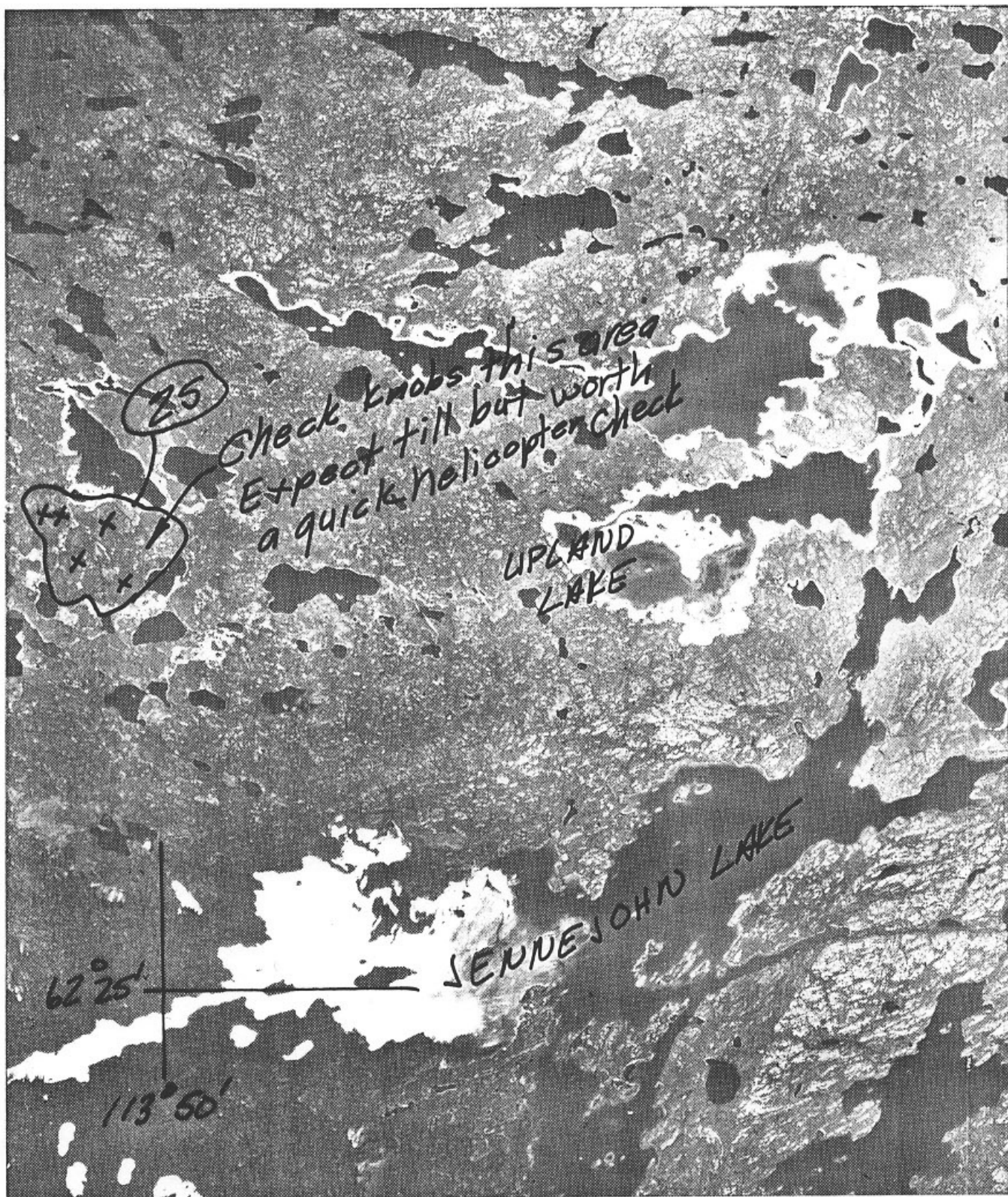
PROSPECT(S) 22A, 23



0 1 2 3 km

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NTS 85 I
PROSPECT(S) 24



0 1 2 3 km

J.D. Mollard and Associates Limited
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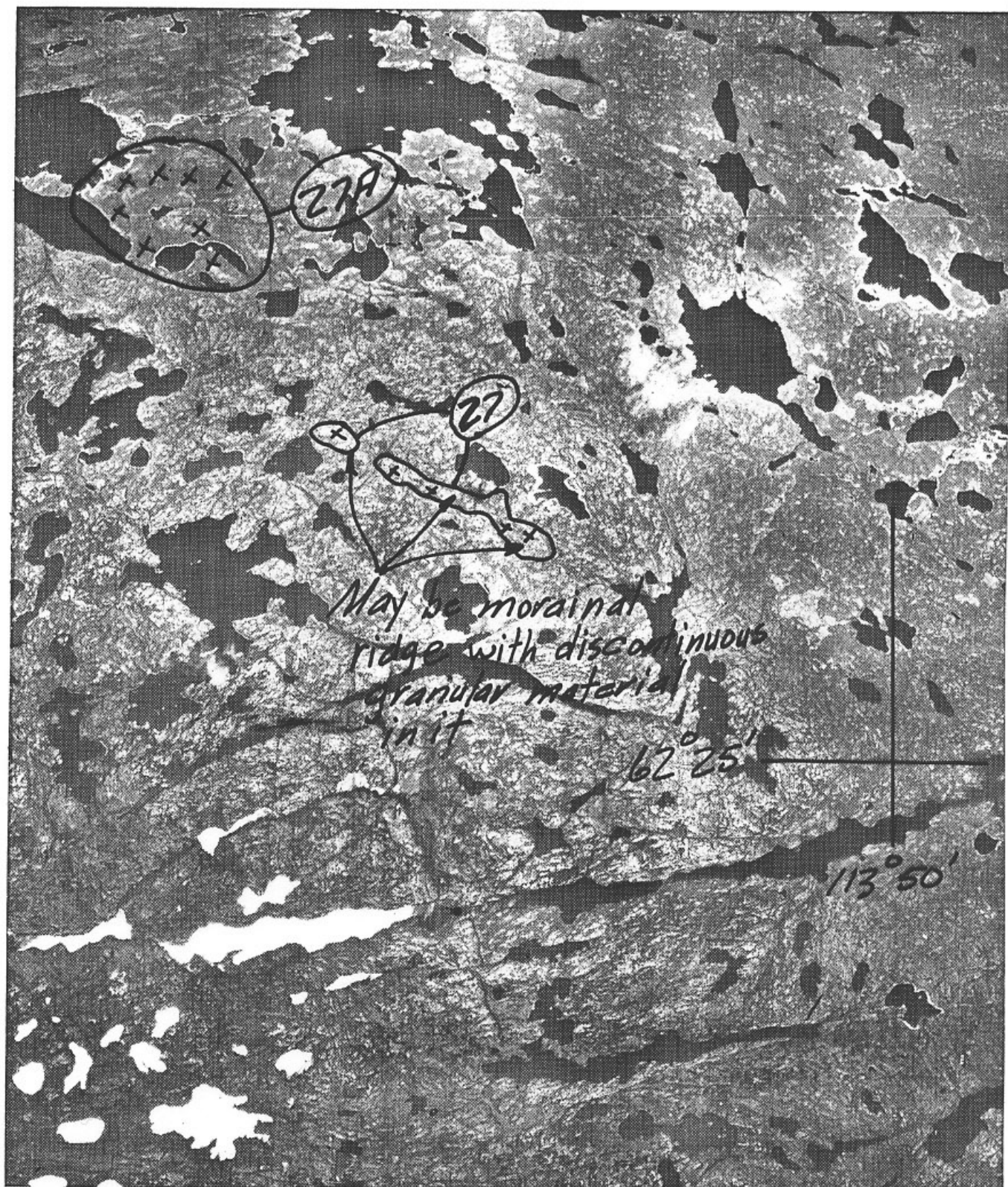
NTS 851
PROSPECT(S) 25



0 1 2 3 km

J.D. Mollard and Associates Limited
October, 1992

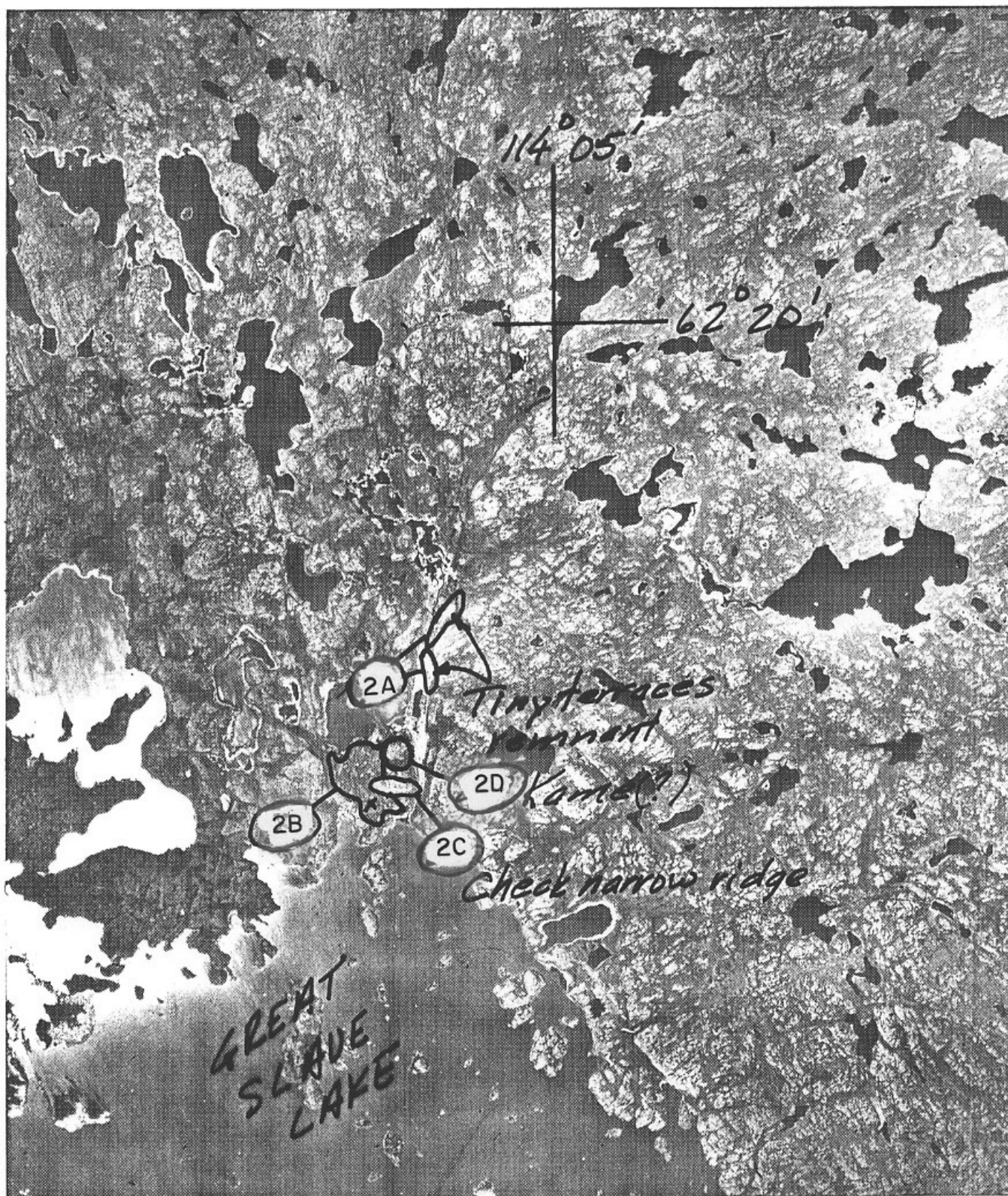
NTS 85I
PROSPECT(S) 24, 26



0 1 2 3 km

J.D. Mollard and Associates Limited
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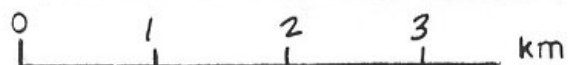
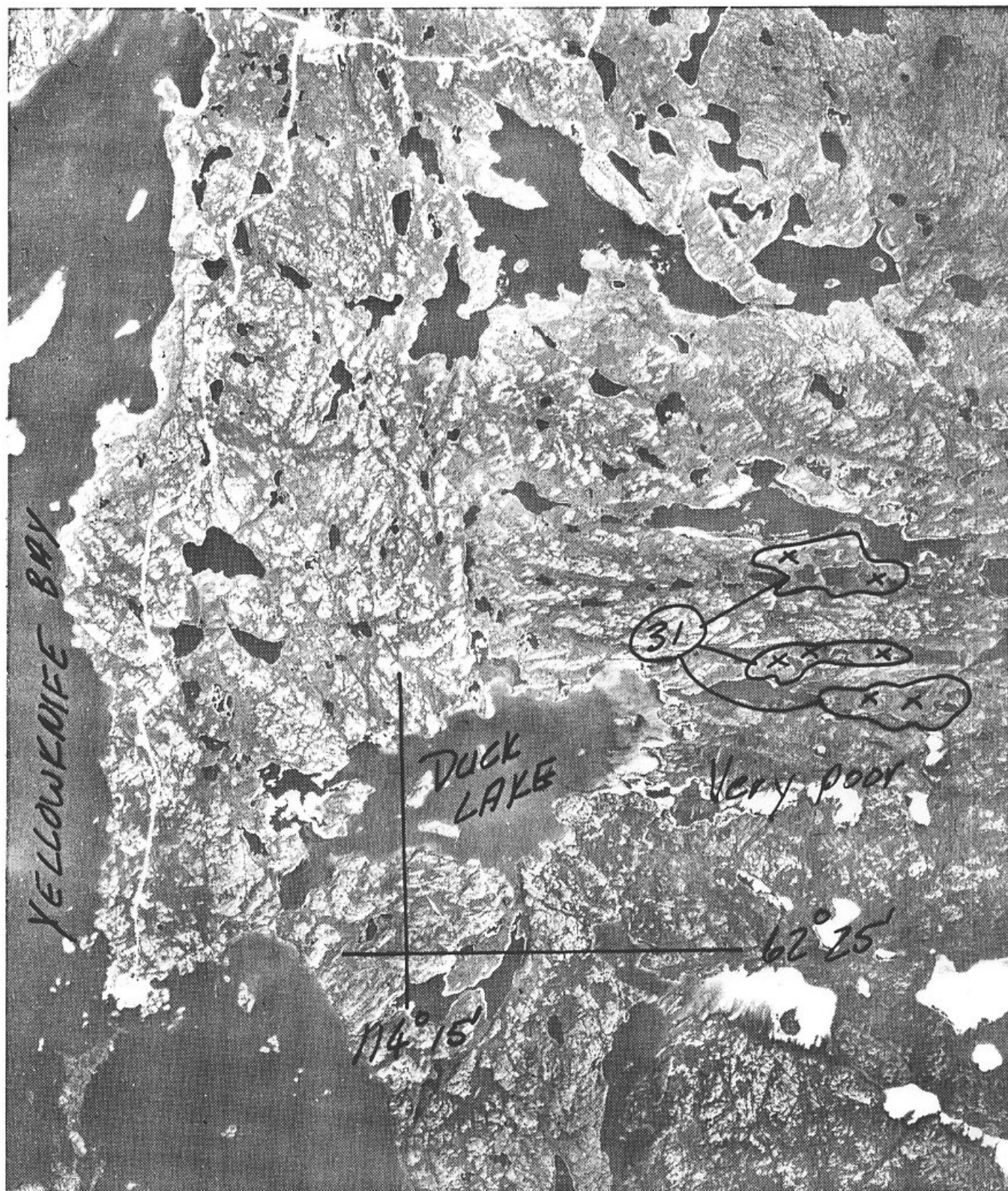
NTS B5I
PROSPECT(S) 27, 27A



0 1 2 3 km

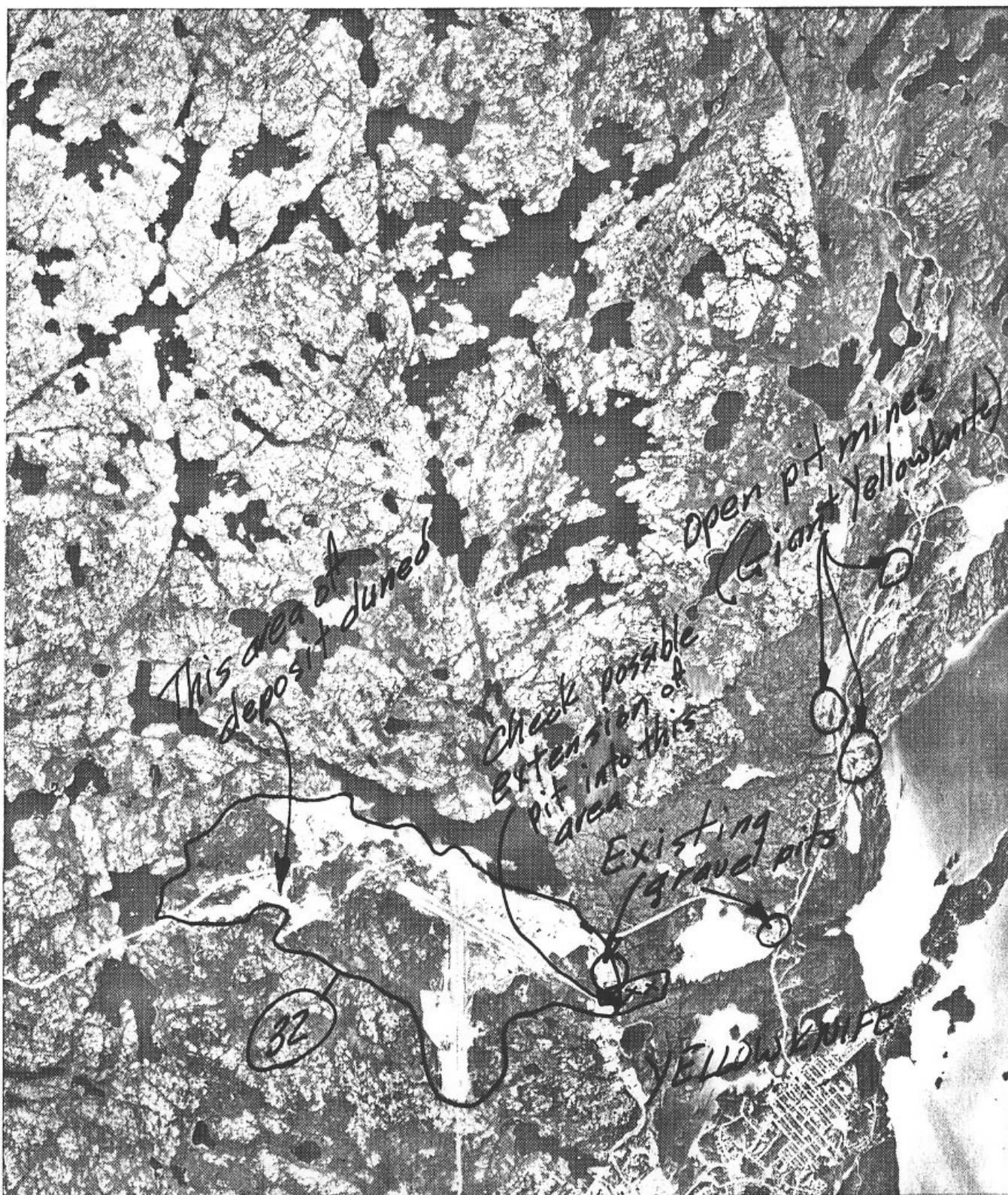
J.D. Mollard and Associates Limited
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NTS 85J
PROSPECT(S) 28, 29, 29A, 30



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NTS 85J
PROSPECT(S) 31



0 1 2 3 km

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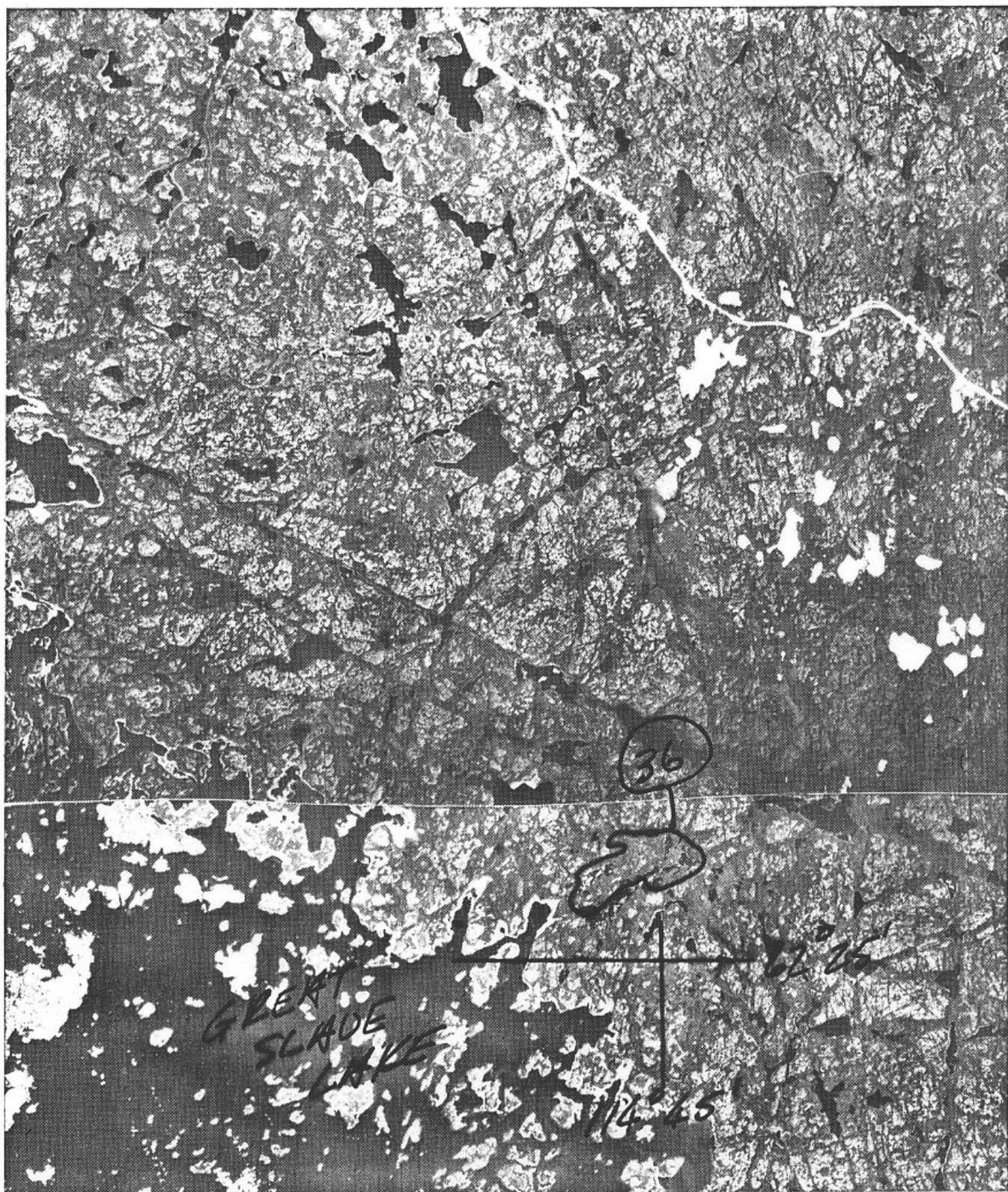
NTS 85J
PROSPECT(S) 32



0 1 2 3 km

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NTS 85J
PROSPECT(S) 33, 34, 35



0 1 2 3 km

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NTS 85J
PROSPECT(S) 36



0 1 2 3 km

J.D. Mollard and Associates Limited
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NTS 85J
PROSPECT(S) 37, 37A, 38

END OF REPORT