

COMPILATION INVENTORY  
OF  
GRANULAR MATERIAL RESOURCES INFORMATION  
BORDERED BY  
LATITUDE 63° AND 68° AND  
LONGITUDE 102° AND 112°  
IN N.W.T.

Prepared for:

D I A N D  
Natural Resources and Economic  
Development Branch  
6th Floor, Les Terrasses  
de la Chaudiere  
Hull, Quebec  
K1A 0H4

Attn.: Mr. Robert J. Gowan  
Geotechnical Advisor,  
Land Management Division

August, 1994

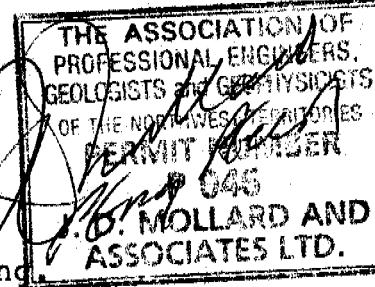
Prepared by:

D. G. Mollard, P. Eng.  
and

J. D. Mollard, Ph.D.,  
P. Eng., P. Geol.

J D Mollard and Associates  
Limited

810 Avord Tower  
2002 Victoria Avenue  
Regina, Saskatchewan  
S4P 0R7



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**Summary of Granular Resource Prospects**  
**- Eastern Slave Geological Province, N.W.T.**  
*(Source: Mollard, 1994)*

Area	NTS No.	Name of NTS Map Sheet	Prospects	S	M	L	Min. Volume (m <sup>3</sup> )
1	75M	MacKay Lake	50	26	16	8	9.86X10 <sup>6</sup>
2	75N	Walmsley Lake	57	31	10	16	17.31X10 <sup>6</sup>
3	75O	Artillery Lake	51	24	12	15	16.44X10 <sup>6</sup>
4	75P	Hanbury	47	24	9	14	15.14X10 <sup>6</sup>
5	76A	Baille River	67	44	10	13	14.44X10 <sup>6</sup>
6	76B	Healey Lake	52	21	27	4	6.91X10 <sup>6</sup>
7	76C	Aylmer Lake	112	75	18	19	21.55X10 <sup>6</sup>
8	76D	Lac De Gras	55	35	9	11	12.25X10 <sup>6</sup>
9	76F	Nose Lake	88	25	48	15	20.05X10 <sup>6</sup>
10	76G	Beechey Lake	87	67	20	0	2.67X10 <sup>6</sup>
11	76H	Duggan Lake	96	21	43	32	36.51X10 <sup>6</sup>
12	76I	Overby Lake	88	33	43	12	16.63X10 <sup>6</sup>
13	76J	Tinney Hills	94	78	8	8	9.58X10 <sup>6</sup>
14	76K	Mara River	84	32	26	26	28.92X10 <sup>6</sup>
15	76L	Kathawachaga L.	61	24	9	28	29.14X10 <sup>6</sup>
16	76M	Hepburn Island	64	38	12	14	15.58X10 <sup>6</sup>
17	76N	Arctic Sound	74	39	16	19	20.99X10 <sup>6</sup>
18	76O	Rideout Island	48	25	6	17	17.85X10 <sup>6</sup>
19	76P	Brichta Lake	46	15	12	19	20.35X10 <sup>6</sup>
20	66M	Perry River	42	11	8	23	23.91X10 <sup>6</sup>
			1363	688	362	313	359.08X10 <sup>6</sup>

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IN N.W.T.**

**1.0 TERMS OF REFERENCE FOR STUDY**

- a) Assemble at the contractor's premises all known aerial photographic studies and associated reports available for the study area defined by National Topographic Series (NTS) Map Sheets 75M to 75P, 76A to 76D, 76F to 76H, 76I to 76P, and 86A.<sup>1</sup>
- b) Review the assembled information to determine all potential granular resource materials identified in the study area and plot on 1:250,000 series basemaps.
- c) Provide copies (non-reduced) of existing maps (photomosaic base, wherever possible) or air photos with 2-3 reference points in UTM or Lat/Long which delineate each of the main granular resources on each map sheet, in terms of largest volume, highest quality or greatest potential for development.
- d) Provide a table or deposit summary which includes deposit number (unique values on each deposit), location (UTM coordinates) and where possible, information on the landform and geological origin, potential volume of granular material, an indication of potential constraints to development (e.g. frozen or unfrozen, possible massive ice) and any additional comments.
- e) Prepare a brief report on the potential granular resources of the study area.

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<sup>1</sup> Note that because JDM&A presently have very limited in-house data on 86A it has been replaced by 66M Perry River (notification to Bob Gowan August 25, 1994).

## DELIVERABLES

The contractor will be required to submit the following items for review and acceptance by the Scientific Authority:

- a) A very brief progress statement as an attachment to each request for progress payment.
- b) One set of full-sized 1:250,000 maps covering the study area, with all potential granular material sources reviewed as part of this study clearly marked and labelled, by not later than March 31, 1995.
- c) A final report, in 10 bound paper copies and one (1) unbound original, together with 1 copy of the report on disk (*Wordperfect* format) describing the work undertaken on this contract and presenting the results obtained in photo-reduced map and in tabular forms, by not later than March 31, 1995.

## **2.0 PROSPECT VS DEPOSIT**

This study extracts information from existing in-house maps and reports and from airphoto mapping studies (circa 1960-1993) done in the Northwest Territories for clients of J D Mollard and Associates Limited. Only a few of these office airphoto-mapped prospects have been field checked by ourselves though many may have been checked by other private companies or government agencies. Accordingly, source areas shown on the inventory maps in this study are not classified specifically as a prospect (an unproven airphoto-mapped prospect area) or as a deposit ( a mapped prospect that has been field checked and proven as positive with respect to the presence of aggregate). Rather, we have simply regarded all site areas as undifferentiated and called them *prospects* in our inventory tables.<sup>2</sup>

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<sup>2</sup> For purposes of this study the word *prospect* will be used in the remainder of this report to discuss all numbered site-areas.

### **3.0 UTM COORDINATES OF PROSPECTS**

Where a prospect area is small, only a single UTM coordinate is shown in the inventory table. Where a prospect covers a larger area and where the approximate shape of the prospect area can be meaningfully shown on the NTS maps either 2, 3, or occasionally 4 UTM coordinate locations (eastings and northings) are shown in order to define the location.

### **4.0 LANDFORM**

Many of the prospect landforms in the study area are complex, hence more than one landform type may be shown in the inventory table. For example, there are many esker-outwash complexes where these two landforms occur together within a single mapped prospect area. Similarly there may occasionally be eskers that have esker deltas associated with them. In both of these cases the two landforms will be shown against the prospect number in the inventory table.

### **5.0 SURFACE TOPOGRAPHY OF PROSPECTS**

The surface topography of prospect areas shown in inventory tables is derived mainly from the known common topography of the specific landform in question; this because the present study has been carried out without aid of re-examination by stereoscopic viewing. For this reason the surface topography shown for the various prospects should be regarded as approximate.

Where more than one surface topography is expected to exist in the prospect area there will be two topographic reliefs present in the inventory table. For example, an esker-outwash complex would be shown as being a ridge and a

plain. Similarly, an esker and associated delta may also be shown as a ridge and a plain, perhaps with a slope.

It is difficult to define the probable landform topography precisely but this column in the tables will at least give the user an approximate "feel" of the landscape forms in the prospect area.

#### **6.0 ESTIMATE OF PROSPECT SIZE**

A PROSPECT SIZE column is shown on the inventory table of each NTS sheet. Prospects are simply categorized as to order-of-magnitude; this rather than attempting to make a more precise estimate -- an estimate that one would have to attempt without the aid of stereoscopic airphoto examination.

Categories used (M<sup>3</sup>):

Small - tens of thousands to hundreds of thousands

Medium - hundreds of thousands to millions

Large - millions to tens of millions

#### **7.0 COMMENTS COLUMN IN INVENTORY TABLES**

The last column in the inventory tables marked COMMENTS is needed only occasionally. There are a few landforms such as beaches that are not shown in the inventory table format and these are noted under this column. As well, where the landform is uncertain, or no record of landform is available in existing studies, then this fact may be noted here.

## 8.0 EXPECTED PERMAFROST CONDITIONS

We do not have precise data with respect to permafrost on any of the prospects shown in this study; nor, most likely, will anyone. But we can group the prospects into zones and say something about the probability of permafrost conditions being present in each of those zones. Further, the chance of permafrost conditions being present -- particularly in the widespread discontinuous permafrost zone -- is a function of tree cover and organic cover conditions, sun exposure and aspect, and finally, topography.

In general, we can say the following about the probability of permafrost conditions being present in granular prospects in the study covered in this commission:

**Location: Southwest Corner of Study-Area lying to the south and west of line running through Lac de Gras and Artillery Lakes**

This region is located in the discontinuous permafrost zone. Occurrences are expected to be widespread. We would expect most tree- or shrub-covered ridges with a north-facing sun exposure to have permafrost conditions present on that north-facing slope. The crests and south or southwest facing slopes of esker ridges are expected to have a thicker mantle of permafrost-free sand and gravel. But if these ridges have an organic and/or heavy shrub cover the summertime frost-free zone may still only be a meter, or less, in thickness.

And likely nearly all flat outwash-type prospects, where they are tree-covered and/or organic-covered, will have permafrost present.

**Location: Remainder of Study Area lying northeast of a line through Lac de Gras and Artillery Lakes**

This area is mapped as an area of continuous permafrost. Because tree cover and organic cover are expected to be nearly absent in this region there may, in fact, be some cases of a thin layer of unfrozen material being available (summer only) on the south-facing slopes of eskers, kames, and ice-contact prospects. Otherwise, expect all prospects to be in a permafrost condition.

The above is a generalized overview of what one may expect with respect to the presence of permafrost in the granular prospects we have shown. It would be impossible to attempt to forecast precise permafrost conditions at each site; this even if one were to re-examine each one in the airphotos in stereoscopic view. In general, landforms that protrude above the surrounding landscape such as kames, eskers, et cetera, have a much better chance of having south-facing slopes that are partially unfrozen than do landforms such as outwash, low beaches, and the like.

# **TABLES**

**TABLE I**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 75M		ZONE I2V										SHEET 1 of 3						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE		COMMENTS					
	EASTING	NORTHING	Esker	Kame	Outwash	Icicolostic deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	455000 458000	7089000 7090000	X							X					X			✓
2	452000 458000	7079500 7083000	X								X					X		✓
3	471000 475000	7095000 7097000	X								X				X			✓
4	469000 475000 480000	7085000 7087000 7088000	X								X				X			✓
5	500000 506000	7092000 7093500	X								X				X			✓
6	516000 519000	7078000 7079500	X								X				X			✓
7	521000 525000	7081000 7082000	X								X				X			✓
8	520000 525000 531000	7092500 7093000 7094000	X								X				X			✓
9	538000 541000	7094000 7093500	X								X				X			✓
10	545000 548000	7094000 7093000	X								X				X			✓
11	538000 545000	7084500 7085000	X								X				X			✓
12	456000 461000 466000	7062000 7065000 7066000	X	X							X	X			X			✓
13	459000 465000	7058500 7062000	X								X				X			✓
14	454000 461000	7049500 7053000	X								X				X			✓
15	469000 472000 475000	7056000 7059000 7062000	X								X				X			✓
16	462000 468000 471000	7050000 7052000 7054000	X								X				X			✓
17	483000 491000	7068000 7072000	X								X				X			✓
18	480000 484000	7055000 7057000	X								X				X			✓
19	492000 495000	7052000 7034000	X								X				X			✓
20	503000 508000	7065000 7069500	X								X				X			✓
21	454000 456000 461000	7026000 7030000 7034000	X	X							X	X			X			✓
22	460000 469000	7026000 7027000	X	X							X	X			X			✓
23	470500 475000 479000	7028000 7033000 7035000	X	X							X	X			X			✓

TABLE I  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT		UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
		EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
24	484000 491000 497000	7036000 7039000 7042000	X	X							X	X						X	
25	500000 508000 515000	7044000 7043500 7046500	X								X							X	
26	517000 520000	7047500 7048500	X								X						X		
27	524000 530000 535000	7049000 7050000 7051000	X								X						X		
28	539000 542000	7052500 7053500	X								X						X		
29	499000 505000 510000	7033000 7034500 7036000	X								X						X		
30	517000 522000	7037500 7037000	X								X						X		
31	533000 537000	7039500 7043000	X	X							X	X					X		
32	540000 547000	7043000 7042500	X	X							X	X					X		
33	451000 459000	7015000 7017000	X	X							X	X					X		
34	453000 459000 464000	7002500 7006000 7008000	X								X						X		
35	467000 471000 475000	7009000 7011000 7012000	X								X						X		
36	468000 476000	7004000 7007000	X								X						X		
37	475000 480000 486000	7022000 7022500 7022000	X								X						X		
38	488000 494000 499000	7021500 7021500 7022000	X								X						X		
39	485000 493000 499000	7014500 7016500 7017500	X								X						X		
40	502000 510000 519000	7023000 7025500 7027500	X								X						X		
41	502000 509000 516000	7018000 7020000 7022500	X								X						X		
42	537000 540500	7020500 7021500	X								X						X		
43	452000 458000 463000	6989000 6992000 6993500	X								X						X		
44	466000 469000 473000	6995000 6997000 6999000	X								X						X		

TABLE I  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 75M

**ZONE 12V**

SHEET 3 of 3

**TABLE 2**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 75 N		ZONE 12V										SHEET 1 of 3						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE		COMMENTS					
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	550000 555000	7094000 7094000	X							X						X		
2	552000 558000	7088000 7088000	X							X							X	
3	550000 551500	7078500 7078500	X							X						X		
4	561000 565000	7081000 7081500	X							X						X		
5	578000 581000	7085500 7085500	X							X						X		
6	586000 589000	7092500 7091500	X							X						X		
7	600500 603000	7079000 7079500	X	X						X	X				X			
8	606000 609000	7096000 7096500	X							X						X		
9	618000 622000	7093000 7091500	X							X						X		
10	618000 621000	7080000 7083000	X							X						X		
11	631000 634000	7087500 7086500	X							X						X		
12	644000 647000	7087000 7087000	X							X						X		
13	638000 643000	7075500 7078000	X							X						X		
14	621000 628000	7070000 7071500	X							X						X		
15	634000 639000	7072500 7072500	X	X						X	X					X		
16	641000 647000	7071500 7072000	X							X						X		
17	554000 559000	7048500 7051500	X							X						X		
18	562000 566000 570000	7053000 7058000 7063500	X	X						X	X					X		
19	575000 581000 587500	7066000 7067000 7068000	X							X						X		
20	575000 579000	7060500 7060000	X							X						X		
21	587000 587500 590000	7055000 7052500 7051000	X							X						X		
22	585000 589000 593000	7065000 7063000 7059000	X							X						X		
23	594500 599000	7058500 7056500	X							X						X		
24	595000 599000 602000	7057000 7052500 7049500	X							X						X		

TABLE 2  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS			
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Ditch	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Beach	Small	Medium	Large
25	601000 608000	7069000 7067000	X	X							X	X					X	
26	612000 618000	7066000 7064500	X									X					X	
27	617000 620000	7059000 7055300	X									X					X	
28	622000 622500 624000	7058000 7054500 7051000	X									X					X	
29	629000 634000 639000	7061500 7059500 7059000	X	X								X	X				X	
30	629000 629500	7049000 7045500	X									X					X	
31	647000 645500 648000	7063000 7059500 7057500	X									X					X	
32	552000 555000	7032500 7031500	X									X					X	
33	558000 562000	7020000 7020500	X									X					X	
34	567000 574000	7025500 7025000	X									X					X	
35	570000 575000	7035500 7035500	X									X					X	
36	576000 580000	7021500 7021000	X									X					X	
37	581000 585000	7031500 7033500	X									X					X	
38	586000 589000	7023500 7022000	X									X					X	
39	594000 599000	7034000 7037000	X									X					X	
40	594000 598000 601000	7024500 7023500 7027000	X									X					X	
41	609000 611000	7042500 7041000	X									X					X	
42	607500 611500	7029000 7029500	X									X					X	
43	607000 611000	7024000 7024000	X									X					X	
44	608500 611000 615000	7022000 7019000 7017000	X									X					X	
45	632000 636500	7043000 7039000	X									X					X	
46	637500 639000	7031500 7030500	X									X					X	
47	634000 637000	7016000 7017000	X									X					X	
48	642500 646000	7017000 7015500	X									X					X	

TABLE 2  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 75 N ZONE 12V

SHEET 3 of 3

TABLE 3  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 75 - 0		ZONE 13 V		SHEET 1 of 3										COMMENTS		
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE		COMMENTS				
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-Contact Deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Small	Medium
1	359000 361000	7095500 7094000	X							X					X	
2	365500 367000	7098000 7095000	X							X					X	
3	379500 381000	7088500 7086000	X							X					X	
4	352500 355000	7072500 7073000	X	X						X	X				X	
5	356500 360000	7074000 7074000	X	X						X	X				X	
6	363000 369000	7073000 7072000	X	X						X	X				X	
7	372500 374500	7071000 7070500	X	X						X	X				X	
8	393500 395000 393000	7097500 7093000 7091000								X	X				X	
9	400000 400500	7089000 7085000	X							X					X	
10	404000 408000	7096000 7094000	X							X					X	
11	410000 416000	7096000 7089500	X							X					X	
12	418000 421000 422500	7089000 7087000 7084500	X							X					X	
13	424000 426000 430000	7083500 7080500 7078500	X							X					X	
14	416500 416000	7079000 7073000	X							X					X	
15	424000 424000	7080000 7074000	X							X					X	
16	424500 426000	7072000 7070000	X							X					X	
17	439000 439500	7074000 7070000	X							X					X	
18	440500 444000	7074500 7074000	X							X					X	
19	446000 450000	7073500 7073000	X							X					X	
20	446000 447000 447500	7072000 7068000 7062000	X							X					X	
21	440000 440000	7068000 7066000	X							X					X	
22	429000 431000	7067500 7066500	X							X					X	
23	435500 436000	7066000 7064000	X							X					X	
24	432000 432000 431500	7064000 7060000 7056000	X							X					X	

TABLE 3  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 75-0		ZONE 13V		SURFACE TOPOGRAPHY										DEPOSIT SIZE			COMMENTS		
PROSPECT	UTM GRID		GEOLOGIC LANDFORM																
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-Contact Deposit	Terrace	Delta	Cone or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large	
25	441000 444000	7056500 7052000	X							X							X		
26	432000 434000 435000	7054000 7048000 7046000	X								X							X	
27	362000 369000	7056000 7052000	X								X							X	
28	389000 392000	7058000 7055000	X								X							X	
29	353000 357500	7044500 7040000	X								X							X	
30	360000 366000 371000	7039000 7039500 7039000		X							X							X	
31	386000 391000	7034000 7034000	X								X							X	
32	394000 400000	7034000 7033500	X								X							X	
33	352000 353000	7017000 7016000	X	X							X	X						X	
34	373000 372000	7026000 7023000		X							X							X	
35	368000 365000	7014000 7010000	X								X							X	
36	385000 391000 399000	7021000 7022000 7022000	X								X							X	
37	401000 409000	7023000 7023000	X								X							X	
38	426000 432000	7026000 7025500	X	X							X	X						X	
39	442000 444000	7015000 7015000	X								X							X	
40	373000 378000 382000	7009000 7008500 7008000	X	X							X	X						X	
41	385000 392000	7008000 7006000	X	X							X	X						X	
42	406500 408000	7003500 7003000	X								X							X	
43	418000 424000	7002000 7001000	X	X							X	X						X	
44	425000 431000 436000	7001000 7000500 6999500	X	X							X	X						X	
45	422000 424000	7000000 6997000	X	X							X	X						X	
46	426000 428500 432000	6995000 6993500 6993000	X	X							X	X						X	
47	435000 439000	6992000 6990500	X	X							X	X						X	

TABLE 3  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 75-0		ZONE 13V		SHEET 3 of 3														
PROSPECT	UTM GRID		GEOLOGIC LANDFORM		SURFACE TOPOGRAPHY	DEPOSIT SIZE	COMMENTS											
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-scarfed Deposit	Terrace	Distro	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Smooth	Medium	Large
48	439500 444000 449000	6999000 6997000 6997000	X	X							X	X					X	
49	443000 446000	6990000 6989500	X								X						X	
50	351000 352000	6992000 6993000	X								X						X	
51	383000 388000 392000	6991500 6992000 6992000	X								X						X	

TABLE 4  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 75 P		ZONE 13 V										SHEET <u>1</u> of <u>3</u>			
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS				
	EASTING	NORTHING	Ester	Kame	Outwash	Icecontact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench
1	481000 481500 484000 483000 485000	7090000 7085000 7083000 7079000 7078000			X						X				X
2	488000 487000 487000 490000 490000 493000 493000	7086000 7082000 7076000 7083000 7075000 7082000 7076000			X							X			X
3	496000 496000 500000 500000 504000 504000	7082000 7078000 7083000 7079000 7084000 7082000			X							X			X
4	508000 509000 512000 512000 516000 519000	7086000 7081000 7089000 7084000 7088500 7088000			X							X			X
5	520000 524000 525000	7084000 7082000 7078000	X				X			X		XX			X
6	509000 509000 512000 512000 514000 516000 514000	7077000 7072000 7075000 7071000 707000 7069000 7067000			X							X			X
7	519000 521000 524000	7068000 7067500 7069000		X								X			X
8	532000 536000	7071000 7071500	X	X							X	X			X
9	544000 548000	7068000 7068000	X								X				X
10	452000 456000	7072000 7071000	X								X				X
11	460000 464000 466000	7070000 7066000 7061000	X								X				X
12	463000 463000 464000	7060000 7055000 7050000	X								X				X
13	457000 459000	7050000 7048000	X								X				X
14	488000 488000 489000	7072000 7067000 7062000	X								X				X
15	476000 480000 483000	7064000 7059000 7053000			X						X				X

TABLE 4  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 75 P		ZONE 13 V										SHEET 2 of 3					
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS					
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
16	474000 477000	7046500 7044500	X							X					X		
17	484000 488000 491000	7051000 7045000 7042500			X					X					X		
18	483000 485000	7042000 7039500	X							X					X		
19	510000 510000	7051000 7046000	X							X					X		
20	516000 518000	7052500 7054500		X							X				X		
21	515000 514000 515000 517000 520000 520000 522000 523000	7064000 7061000 7058000 7059000 7058500 7055000 7057000 7059000															
22	528000 528000 533000 533000 536000 536000 539000 538000	7061000 7057000 7062000 7056000 7060000 7056000 7059000 7056000		X							X				X		
23	538000 541000 545000 544000	7054000 7053000 7055000 7050000		X							X				X		
24	513500 516000	7042500 7040500	X							X					X		
25	532000 536000	7035000 7034000	X							X					X		
26	491000 493000	7033000 7030500	X							X					X		
27	493500 498000 502000 509000 513000	7040000 7037000 7033500 7030000 7026500			X					X					X		
28	515000 519000 522000 526000	7026000 7024000 7022000 7021000			X					X					X		
29	516000 517000 518000	7023000 7019000 7016000	X	X						X	X				X		
30	520000 522000	7014000 7011000	X							X					X		
31	529000 533500	7020000 7018500			X					X					X		

TABLE 4  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

PROSPECT	NTS 75 P ZONE 13 V		SURFACE TOPOGRAPHY										DEPOSIT SIZE			COMMENTS		
	UTM GRID		GEOLOGIC LANDFORM					TOPOGRAPHY					SIZE					
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
32	537000 541000 545000 548000	7017500 7014000 7013000 7012000			X						X						X	
33	530000 535000	7006000 7005000	X								X			X				
34	540500 542500	6997500 6996000	X								X			X				
35	474000 479000	7025500 7024000	X								X			X				
36	465000 471000	7025000 7020000	X								X			X				
37	456000 461000 466000	7014000 7014000 7013000	X								X			X				
38	468000 472000 476000	7013000 7012000 7011000	X								X			X				
39	478000 483000 488000	7017000 7017500 7016000	X								X			X				
40	494000 497000	7014000 7012000	X								X			X				
41	457000 461500	6995000 6994500	X								X			X				
42	468000 470000	6998500 6999000	X								X			X				
43	474000 477000	6989500 6988500	X								X			X				
44	480000 482000	6989000 6988500	X	X							X	X			X			
45	490000 494000	6986000 6986000	X	X							X	X			X			
46	507000 509000	6994000 6994000		X								X	X			X		
47	534000 534000	6987000 6986000	X								X				X			

**TABLE 5**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS				
	EASTING	NORTHING	Esker	Kame	Ostwald	Ice-contact Geology	Terrace	Delta	Cone or ton	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
1	454000 460000	7208000 7206000	X	X							X	X					X
2	466000 473000 471000	7207000 7203500 7207000	X	X							X	X					X
3	480000 483000	7203000 7201000	X	X							X	X					X
4	480000 484000	7201000 7198000	X	X							X	X					X
5	492000 492000	7208000 7204000	X	X							X	X					X
6	513000 515000	7207000 7206500			X							X					X
7	526000 530000	7208000 7200000	X	X							X	X					X
8	535000 541000	7207000 7204000	X	X							X	X					X
9	512000 515000	7195500 7195500			X							X					X
10	495000 505000 511000	7196000 7195000 7193000	X	X							X	X					X
11	507000 503000	7192000 7186000	X	X							X	X					X
12	511000 510000	7190000 7187000		X								X					X
13	536000 538000	7191000 7189000		X								X					X
14	455000 457000	7186000 7188000	X	X							X	X					X
15	458000 462000	7184000 7192000	X	X							X	X					X
16	454000 459000 465000	7181000 7178000 7177000	X	X							X	X					X
17	474000 479000	7180500 7182000	X								X						X
18	465000 466000 471000	7175000 7171000 7171500	X	X							X	X					X
19	511000 513500	7178000 7172500		X								X					X
20	539500 539000	7182000 7178000	X								X						X
21	538500 539500	7172000 7176000	X								X						X
22	544500 544500	7170000 7172000		X								X					X
23	468000 473000	7165000 7167000			X							X					X

**TABLE 5**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76A		ZONE 13W										SHEET <u>2</u> of <u>3</u>			
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS			
	EASTING	NORTHING	Ester	Kame	Outwash	Icecontact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench
24	472000 475000	7163500 7163000			X							X		X	
25	521000 522000	7162000 7161000			X							X		X	
26	534000 538000 541000	7156500 7157000 7161000								X	X			X	
27	456000 460000 463000	7153000 7154000 7152000	X	X						X	X			X	
28	454000 455000	7143000 7147000	X							X				X	
29	460000 462000 464000	7140000 7139000 7142000	X							X				X	
30	470000 474000	7142000 7141000	X							X				X	
31	481000 486000	7141000 7141000	X							X				X	
32	489000 491000	7141500 7143000	X							X				X	
33	487000 486500	7135000 7137500	X							X				X	
34	493000 500000 509000	7147000 7151500 7151000	X							X				X	
35	511500 513000	7150000 7149000		X							X			X	
36	499000 502000	7144000 7143000	X							X				X	
37	506000 514000	7142000 7141000	X							X				X	
38	516000 520000	7146000 7142500		X							X			X	
39	525000 525500	7155000 7148000		X							X			X	
40	527000 529000	7145000 7147000		X							X			X	
41	453000 455000	7133000 7136000	X							X				X	
42	460000 460000	7132000 7135000	X	X						X	X			X	
43	462000 468000 470000	7133000 7133000 7134000	X							X				X	
44	495000 498000 499000	7129000 7133000 7139000	X	X						X	X			X	
45	517000 518000	7137000 7138000		X							X			X	
46	521000 524000	7133500 7137000		X							X			X	

**TABLE 5**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS			
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-conduit deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
47	460000 464000 468000	7120000 7123000 7122000	X					X		X		X				X		
48	470000 476000 481000	7116000 7119000 7124500	X							X							X	
49	483000 486000	7126000 7124000	X							X						X		
50	500500 501000	7123000 7117000		X								X				X		
51	514000 517000	7126500 7127000		X								X				X		
52	531000 533000	7121000 7123000	X							X						X		
53	545000 548000	7120500 7121500		X								X				X		
54	537500 536500	7113500 7116500		X								X				X		
55	545000 544000	7113000 7115000		X								X				X		
56	470000 474000	7100000 7101500	X	X						X	X					X		
57	487000 489000	7112000 7108000	X							X						X		
58	489500 490000	7105000 7102000	X							X						X		
59	496000 494000	7102000 7098000	X							X						X		
60	503000 505000	7114000 7112000	X	X						X	X						X	
61	508000 510000	7110000 7107000	X	X						X	X					X		
62	510500 510000	7105000 7102000	X	X						X	X					X		
63	522000 521000	7105000 7102000	X							X						X		
64	520500 520500	7100000 7097000	X							X						X		
65	529000 530500	7108500 7107500	X							X						X		
66	530000 532000	7101000 7104000	X							X						X		
67	533500 532000	7100000 7097000	X							X						X		

**TABLE 6**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 76B		ZONE 13W										SHEET 1 of 3						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE		COMMENTS					
	EASTING	NORTHING	Ester	Kome	Outwash	Ice Margin Geology	Terrace	Delta	Cone orton	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	417500 418000	7206000 7209000			X							X					X	
2	419000 421000	7205000 7203000			X							X					X	
3	423000 427000	7202000 7198000			X							X					X	
4	430000 430000	7200000 7197000	X								X						X	
5	433000 439000 442000	7199000 7196000 7192000			X							X					X	
6	436000 436000	7206000 7208000			X							X					X	
7	439000 440000	7209000 7208000			X							X					X	
8	440000 441000	7204000 7204000			X							X					X	
9	450000 452000	7194500 7195500	X								X						X	
10	444000 447000	7189000 7186000			X							X					X	
11	452000 452000	7186000 7186000			X							X					X	
12	451000 451000	7182000 7184000			X							X					X	
13	425500 427000	7180000 7183000	X								X						X	
14	420000 424000	7174000 7177000	X								X						X	
15	439000 441000	7165000 7169000	X								X						X	
16	438500 440000	7160000 7161500	X								X						X	
17	443000 445000	7157000 7158000	X								X						X	
18	361000 365000	7158000 7156000	X	X							X	X					X	
19	364000 368000 373000	7154500 7150000 7148000	X								X						X	
20	359000 364000	7145500 7144500	X								X						X	
21	371000 374000 379000	7134000 7138000 7137500	X								X						X	
22	382000 384000	7138000 7138000	X								X						X	
23	387000 390000	7137500 7134500	X								X						X	
24	412000 417000	7149500 7150000	X								X						X	
25	425000 427000	7151000 7150000	X								X						X	

**TABLE 6**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76B		ZONE 13W		SURFACE TOPOGRAPHY										DEPOSIT SIZE			COMMENTS		
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large			
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-Contact Deposit	Terrace	Delta	Cone or Fan										
26	434500 436000	7150000 7153000	X							X							X		
27	430000 432000	7146500 7148000	X								X						X		
28	423500 429000	7141500 7145500	X								X						X		
29	429000 433000 436000	7142500 7139000 7135000	X								X						X		
30	441500 446500	7136500 7141000	X								X						X		
31	430000 432000	7132500 7132000	X								X						X		
32	440000 440500	7131500 7134500	X								X						X		
33	433000 438500 439000	7123500 7125500 7128000	X								X						X		
34	355500 362000	7127500 7127500	X								X						X		
35	355000 359000	7126500 7121000	X								X						X		
36	366000 372000 377000	7125000 7123000 7120000	X								X						X		
37	363000 366000	7118000 7117500	X								X						X		
38	369000 374000	7116000 7113000	X	X							X	X					X		
39	384000 392000	7118000 7117500	X								X						X		
40	379000 384000	7113500 7112500	X								X						X		
41	387000 388000	7112000 7111000	X								X						X		
42	391000 395500	7110000 7110000	X								X						X		
43	383500 389500	7107500 7102000	X								X						X		
44	402000 404000	7117000 7117000	X								X						X		
45	412000 414000	7116000 7116000	X								X						X		
46	399000 405000 411000	7108000 7108000 7106300	X								X						X		
47	393000 399000	7101000 7099000	X								X						X		
48	416000 418000	7105000 7103000	X								X						X		
49	412000 416000	7102000 7102000	X								X						X		

Beach (wave-eroded esker)

TABLE 6  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

TABLE 7  
SUMMARY OF SAND AND GRAVEL PROSPECTS

TABLE 7  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76C ZONE 12W			SHEET <u>2</u> of <u>5</u>														
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS						
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
23	562000 566000 569000	7186000 7187000 7188000	X							X						X	
24	570000 573000 575000	7188000 7186000 7184500	X							X						X	
25	576000 578000	7184500 7183000	X							X						X	
26	558000 559500	7184500 7181500	X							X						X	
27	548000 551000 554000	7180500 7180000 7179000	X							X						X	
28	559000	7179000	X							X						X	
29	562000	7177000	X							X						X	
30	563000 567000	7175500 7174000	X							X						X	
31	579500 579000	7179000 7175000	X							X						X	
32	588500 592000 596000	7178500 7175000 7173000	X							X						X	
33	586000 587500	7172000 7170500	X							X						X	
34	588000 590500	7170500 7167500	X							X						X	
35	597000 598000	7171500 7170500	X							X						X	
36	548000 554000 556500	7172500 7166000 7160000	X							X						X	
37	575000 576500	7167000 7165500	X							X						X	
38	600000	7167500	X							X						X	
39	602000 605000 607000	7169000 7168500 7167000	X							X						X	
40	609000 612000 614000	7167000 7167000 7166500	X							X						X	
41	615000 620000 623000 628000	7167000 7168500 7170000 7170000	X							X						X	
43	636000	7169000	X							X						X	

**TABLE 7**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76C		ZONE 12W										SHEET 3 of 5					
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS					
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-concentric Deposit	Terrace	Detro	Cone or Ion	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
44	557000 561000 564000	7159000 7157000 7155000	X							X						X	
45	549000 552000 556000	7157000 7155000 7151000	X							X						X	
46	557000 559000	7152000 7151000	X							X				X			
47	561000 564000 567000	7151000 7148000 7144000	X							X						X	
48	5775000 578000	7162500 7157500	X							X				X			
49	582000 585000	7164500 7161000	X							X				X			
50	587000 588000	7162000 7160000	X							X				X			
51	588500 591000 594000	7165500 7164000 7162000	X							X				X			
52	595000 599000	7161000 7160000	X							X				X			
53	594000 595500	7161000 7160000	X							X				X			
54	596500	7157500	X							X				X			
55	589000 590000	7157000 7151000	X							X				X			
56	601000 601000 603000	7156000 7153000 7151000	X							X				X			
57	610000 615000	7165000 7161500	X							X				X			
58	619000 621500	7158000 7153000	X							X				X			
59	619000	7159000	X							X				X			
60	618000 620000	7161500 7161500	X							X				X			
61	623000 628000 634000	7162000 7161000 7158500	X							X				X			
62	622000 625000	7160000 7159000	X							X				X			
63	626000 628000	7159000 7157000	X							X				X			
64	637000 649000	7158500 7160000	X							X				X			



**TABLE 7**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 76C		ZONE 12W										SHEET <u>5</u> of <u>5</u>						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
87	633000 635000	7136000 7133500	X							X				X				
88	636000 637000	7136000 7135000	X							X				X				
89	638000 640000 644000	7133000 7131500 7129000	X							X				X				
90	623000 627000	7129000 7126000	X							X				X				
91	633000 636000	7123500 7121000	X							X				X				
92	638000 641000	7121000 7119000	X							X				X				
93	643000 645000	7118000 7117000	X							X				X				
94	551000	7120000	X							X				X				
95	555000 559000 562000	7119000 7116000 7115000	X							X				X				
96	558000 561000	7115000 7113000	X							X				X				
97	562000 564000	7119000 7118500	X							X				X				
98	566000 568000	7115000 7115000	X							X				X				
99	563000 566000	7110000 7108500	X							X				X				
100	576000 582000	7117000 7116500	X							X				X				
101	575000 577000	7113500 7113000	X							X				X				
102	584000 587000	7116000 7114000	X							X				X				
103	583000 584000	7110000 7108000	X							X				X				
104	593000 595000	7113000 7111000	X							X				X				
105	606000	7118000	X							X				X				
106	554000	7105500	X							X				X				
107	550000 553000	7105500 7104000	X							X				X				
108	559000 577000	7103000 7100500	X							X				X				
109	562000 565000	7100500 7100500	X							X				X				
110	574000	7098000	X							X				X				
111	585000	7101000	X							X				X				
112	594000	7099000	X							X				X				
113	644000	7105000	X							X				X				

TABLE 8  
**SUMMARY OF SAND AND GRAVEL PROSPECTS** ✓

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS					
	EASTING	NORTHING	Escher	Kame	Ostream	Iciclehang	Ice-deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Beach	Small	Medium
1	463000 467000	7206000 7205500	X									X					X	
2	477000 481000	7204000 7207000	X									X					X	
3	455000 461000	7193000 7193000	X									X						X
4	468000 475000	7192500 7194500	X									X						X
5	468000 469000	7185000 718000	X									X					X	
6	480000 481000	7182000 7178000	X									X					X	
7	491000 498000	7201000 7203000	X									X					X	
8	495000 494000	7195000 7192000	X									X					X	
9	491500 496000	7180500 7179000	X									X					X	
10	508000 513000	7192500 7194000	X									X					X	
11	507000 512000 516000	7184000 7184500 7183000	X									X						X
12	522000 525000 527000	7197000 7197000 7199000	X									X					X	
13	526000 533000	7189000 7189000	X									X					X	
14	539000 546000	7205000 7204000	X									X					X	
15	541000 545000	7190000 7191000	X									X					X	
16	527000 532000	7179000 7178000	X									X					X	
17	542000 547000	7178000 7173000	X									X					X	
18	467000 468500	7175000 7166000	X									X					X	
19	473500 474500	7171000 7166000	X									X					X	
20	461000 463000	7162000 7159000	X									X					X	
21	455000 460000	7157000 7153500	X									X					X	
22	485000 487000	7171000 7167000	X									X					X	
23	477000 479000	7151000 7149000	X									X					X	
24	494500 497000 499000	7170000 7167000 7163000	X									X					X	

**TABLE 8**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76 D		ZONE 12 W										SHEET 2 of 3						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Icecontact Deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
25	497000 499000	7152000 7148000	X							X				X				
26	505500 506000	7174000 7171000	X							X				X				
27	512000 512000	7168000 7164000	X							X				X				
28	520000 518500	7169000 7163000	X							X				X				
29	507000 513000	7158000 7154500	X							X				X				
30	539000 540500	7166000 7160500	X							X				X				
31	530500 532000	7159000 7154000	X							X				X				
32	468000 471000	7140000 7137000	X							X				X				
33	465000 470000	7132000 7129500	X							X				X				
34	452000 456000	7127000 7127000	X							X				X				
35	468000 472000	7123000 7122500	X							X				X				
36	488000 495000	7143500 7140000	X							X				X				
37	486000 491000	7137000 7136000	X							X				X				
38	508000 512000	7145000 7143000	X							X				X				
39	499000 507000	7138000 7136000	X							X				X				
40	514000 516500	7129500 7129500	X							X				X				
41	542500 547000	7145000 7139500	X							X				X				
42	541000 544000	7137000 7131500	X							X				X				
43	461000 463000	7113000 7109000	X							X				X				
44	454000 458000	7103000 7104000	X							X				X				
45	469000 474000	7112500 7114000	X							X				X				
46	472000 475000	7105500 7107000	X							X				X				
47	489000 493000	7122500 7122500	X							X				X				
48	490000 496000	7111500 7110500	X							X				X				
49	492000 497000 501000	7105000 7104500 7105000	X							X				X				

TABLE 8  
SUMMARY OF SAND AND GRAVEL PROSPECTS



TABLE 9  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

TABLE 9  
SUMMARY OF SAND AND GRAVEL PROSPECTS

NTS 76F		ZONE 12W		SURFACE TOPOGRAPHY										DEPOSIT SIZE			COMMENTS	
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY					DEPOSIT SIZE					
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
50	580500 581500	7263000 7259000	X								X					X		
51	605000 609000	7249500 7246500	X								X					X		
52	550500 552000 553500	7284000 7280500 7277500	X								X					X		
53	563000 564000 566000	7269000 7265000 7263000	X								X					X		
54	567000 569000	7262000 7259000	X								X					X		
55	573000 573000	7257000 7254000	X								X					X		
56	579500 579500	7248500 7246500	X								X					X		
57	581500 581000	7244000 7241000	X								X					X		
58	592000 591500	7241000 7243500	X								X					X		
59	551000 549000	7279000 7276000	X								X					X		
60	548500 549500	7274000 7269000	X								X					X		
61	551000 552000	7267000 7265000	X								X					X		
62	553500 555000	7263000 7261000	X								X					X		
63	557000 557000	7259000 7257000	X								X					X		
64	557500 56000	7255000 7252500	X								X					X		
65	581000 563000 566000	7251500 7248000 7246000	X								X					X		
66	569000 572000	7244000 7241000	X								X					X		
67	574000 579000	7240000 7235500	X								X					X		
68	547000 549000	7250500 7249000	X								X					X		
69	553000 555000	7247000 7245000	X	X							X	X				X		
70	557000 559000	7244000 7242500	X								X					X		
71	562000 567000 571000	7241000 7238000 7234500	X								X					X		
72	573000 576000	7234000 7230000	X								X					X		
73	578000 585000 590000	7228500 7226000 7224000	X								X					X		
74	589500 595000	7225000 7225000	X								X					X		

TABLE 9  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76F ZONE I2W			SHEET <u>4</u> of <u>4</u>															
PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS			
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-concentric deposit	Terrace	Delta	Cone on fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
75	596000 600000 602000	7221500 7222500 7221000	X							X						X		
76	604500 607000 610000	7220000 7217000 7216500	X								X					X		
77	614000 616000	7215000 7214000	X								X					X		
78	559000 562000 565500	7236000 7234000 7232000	X								X					X		
79	569000 571000	7229000 7227000	X								X					X		
80	577000 577000	7227500 7226000		X								X			X			
81	556500 557500	7231500 7229500	X								X				X			
82	577500 582500	7219500 7217000	X								X				X			
83	592000 597000	7214000 7210500	X								X				X			
84	547000 549000	7225500 7224000	X								X				X			
85	552000 554000	7221000 7219000	X								X				X			
86	556000 557000	7218000 7216000	X								X				X			
87	563000 567000	7213000 7212000	X								X				X			
88	570000 575000	7211500 7210500	X								X				X			

**TABLE 10**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76 G		ZONE 13W		SURFACE TOPOGRAPHY												DEPOSIT SIZE			COMMENTS				
PROSPECT	UTM GRID		GEOLOGIC LANDFORM						Ridge			Hill			Plain			Slope			Bench		
	EASTING	NORTHING	Esther	Knoll	Outwash	Icetongue deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Small	Medium	Large						
1	364000 368000 371000	7318000 7314000 7311000	X							X								X					
2	380500 382000	7322000 7320500	X							X								X					
3	384000 388000 391000	7317000 7313000 7306000	X							X								X					
4	388000 387000	7311500 7306000	X							X								X					
5	422000 423000	7317000 7318500					X				X							X					
6	428500 429000	7319500 7317000	X							X								X					
7	431500 432500	7320000 7318000	X							X								X					
8	445000 448500	7320000 7315000		X							X							X					
9	450000 453500	7313500 7310000	X	X						X	X							X					
10	430000 433000	7309000 7309500	X							X								X					
11	374000 374000	7303000 7301000	X							X								X					
12	376000 378000	7297000 7295000	X							X								X					
13	379500 380500	7293000 7295000	X							X								X					
14	375000 375500	7297000 7292500	X							X								X					
15	362500 363000	7289500 7288000		X							X							X					
16	387000 388000	7298000 7296000	X							X								X					
17	394000 395000	7302000 7300000	X							X								X					
18	394500 394000	7298500 7297000	X							X								X					
19	395000 399000	7299000 7295500	X							X								X					
20	394500 396500	7294500 7291500	X							X								X					
21	397500 399500	7293500 7294000		X							X							X					
22	408500 410500	7295500 7297000		X							X							X					
23	414000 415000	7300000 7301000	X							X								X					
24	404000 407000	7289000 7286000	X							X								X					
25	437500 439000	7292300 7291500	X							X								X					

**TABLE 10**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76G		ZONE 13W										SHEET 2 of 4						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
26	443000 447000	7290000 7289000	X							X				X				
27	448000 450500	7287500 7287500		X								X		X				
28	436500 435500	7289000 7284000	X	X						X	X				X			
29	435000 434400	7282000 7278000		X						X				X				
30	440500 440500	7285000 7283500	X							X				X				
31	443500 445500	7279500 7274500	X	X						X	X			X				
32	375500 378000	7291000 7286500	X							X				X				
33	379500 381500	7284500 7281500	X							X				X				
34	381500 385500	7280000 7275000	X							X				X				
35	387000 388000	7284000 7286000		X							X	X		X				
36	387000 393000	7273500 7267500		X						X				X				
37	394000 396000 399000	7266000 7264000 7265000	X							X				X				
38	412500 412500	7277500 7275500	X							X				X				
39	414000 415000	7274500 7273000	X							X				X				
40	417000 417500	7271000 7270000	X							X				X				
41	419000 420500	7267500 7266500	X							X				X				
42	433000 432000	7272000 7270000	X							X				X				
43	451000 453000	7268000 7263000	X	X						X	X			X				
44	423000 425000 428500	7265000 7261500 7258000	X							X				X				
45	431000 434500 438500	7255000 7251000 7247000	X							X				X				
46	448000 449000	7247500 7246000	X							X				X				
47	362000 367000 369500	7273000 7267000 7261500	X							X				X				
48	370000 371500	7259000 7256500	X							X				X				
49	372000 374000 373500	7255000 7251000 7248500	X							X				X				
50	373500 377000	7245500 7239000	X							X				X				

**TABLE 10**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 76G		ZONE 13W										SHEET 3 of 4						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Hcf contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Beach	Small	Medium	Large
51	379000 380000	7239000 7240000			X							X			X			
52	378000 379500	7238000 7237000			X							X			X			
53	401500 402500	7253500 7250000	X								X				X			
54	403000 403500	7251000 7247500	X								X				X			
55	407500 409000	7251000 7252000	X								X				X			
56	411500 411500	7251000 7250000		X								X			X			
57	411000 412000	7241000 7242000	X								X				X			
58	416000 419000	7243000 7241000	X								X				X			
59	419000 421000	7239000 7240500		X								X			X			
60	405500 405500	7239000 7235000	X								X				X			
61	410000 411500	7238000 7237000	X								X				X			
62	413500 413500	7235000 7233500	X								X				X			
63	423500 423500	7235000 7234000	X								X				X			
64	425000 427000 426500	7235500 7236000 7233500	X	X							X	X			X			
65	436000 437000	7234000 7235500		X								X			X			
66	441000 445000	7235000 7237000		X								X			X			
67	449000 450000	7236000 7234000		X								X			X			
68	436500 439500	7232500 7230500	X	X							X	X			X			
69	441000 446500	7229000 7230500		X								X			X			
70	449000 451000	7230500 7229500	X								X				X			
71	452000 453000	7228500 7226500		X								X			X			
72	391000 392000	7229000 7228000		X								X			X			
73	393000 398000	7225000 7223500	X	X							X	X			X			
74	400500 404000	7221500 7220000		X								X			X			
75	388000 389000	7216000 7214000	X								X				X			
76	407000 408000	7216000 7214000	X								X				X			

TABLE 10  
SUMMARY OF SAND AND GRAVEL PROSPECTS

NTS 76G ZONE 13W

SHEET 4 of 4

TABLE 11  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76H		ZONE 13W		SHEET 1 of 5										COMMENTS			
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Ester	Kome	Outwash	Icicle contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
1	460500 461000	7315500 7318000	X							X						X	
2	455000 458500	7308500 7303000	X								X						X
3	464000 466000	7301500 7301500	X							X						X	
4	472000 476000	7303000 7301500	X							X						X	
5	485000 485000	7315000 7313000		X							X					X	
6	487000 489000 486000 489000	7313000 7311000 7309000 7309000		X							X					X	
7	483000 485000 487000 489000	7301000 7306000 7303000 7306000		X							X					X	
8	491500 491500	7315500 7319000	X								X					X	
9	492000 495000 499000	7311000 7306000 7302000		X							X					X	
10	50000 502000 502500	7318000 7312000 7308000	X								X					X	
11	504500 507000	7305000 7301500	X								X					X	
12	507500 508500 511500	7318000 7313000 7306000	X								X					X	
13	512000 516000	7318000 7313500	X								X					X	
14	513000 516000 518500	7304000 7300000 7293500	X								X					X	
15	518000 522000 525000	7318000 7313000 7309000	X								X					X	
16	527000 530000 533000	7306500 7304000 7297500	X								X					X	
17	532000 534000 536500	7319000 7315000 7311000	X								X					X	
18	537500 540000 542000	7308000 7308000 7302000	X								X					X	
19	542000 544500	7319000 7313000	X								X					X	
20	535000 538000	7298500 7296000	X								X					X	
21	541000 542000	7295500 7294500	X								X					X	
22	455500 457500	7291500 7292500		X								X				X	

**TABLE II**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76H		ZONE 13W							SHEET 2 of 5								
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY		DEPOSIT SIZE	COMMENTS							
	EASTING	NORTHING	Ester	Kame	Outwash	Ice contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
23	481500 482000	7298000 7296000	X							X							X
24	483500 483000 483000	7297000 7293000 7290000			X							X					X
25	479500 476000 479000	7292000 7289500 7288500	X	X							X	X					X
26	487000 492000	7298000 7295000	X								X						X
27	494500 497000	7291500 7289000	X								X						X
28	500500 502500	7296000 7291000	X								X						X
29	507000 512500 514000	7294000 7287000 7281000	X								X						X
30	521000 523500	7290000 7285500	X								X						X
31	538000 539000	7284500 7282000	X								X						X
32	544000 544000	7287000 7284000	X								X						X
33	476000 475500	7282000 7278000	X	X							X	X					X
34	475000 473500 470500	7277000 7273000 7268000	X								X						X
35	467000 469000	7272500 7270000	X								X						X
36	476000 480000 484000	7273000 7270500 7267000	X								X						X
37	475500 477000	7267000 7265500	X								X						X
38	490000 494000	7281500 7278500	X								X						X
39	501000 505000	7285000 7281500	X								X						X
40	499000 501000	7275000 7273500	X								X						X
41	493000 494500	7273500 7269000	X								X						X
42	505000 506000 507000	7271500 7268000 7269000	X								X						X
43	499000 502000 501000 503000	7263500 7262000 7266000 7265500	X	X							X	X					X
44	520000 523000 528000	7276000 7281000 7284000			X							X					X
45	510500 515000 520000	7267000 7273000 7273000	X	X							X	X					X

**TABLE 11**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 76H		ZONE 13W										SHEET <u>3</u> of <u>5</u>						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Oulwash	Ice-concentrifugal	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
46	528500 532000 537000	7281500 7278000 7276500	X	X						X	X						X	
47	540000 545000	7274500 7271000	X								X						X	
48	539000 540000 542500	7275000 7271000 7268000	X								X						X	
49	536000 538000	7275500 7271500		X								X					X	
50	532000 534000	7276500 7275000		X								X					X	
51	528000 531000 535000	7274500 7273000 7271000	X	X							X	X					X	
52	524000 525500	7273500 7271000	X								X						X	
53	512000 514500	7266500 7265000	X								X						X	
54	517500 517500	7268000 7262000	X								X						X	
55	527000 529500 533000	7268000 7264500 7258500	X								X						X	
56	454500 457000	7260500 7257500	X								X						X	
57	465000	7260500	X								X						X	
58	481000 484000	7259000 7259000	X	X							X	X					X	
59	484000 487000	7257000 7252000	X	X							X	X					X	
60	504000 505500	7259000 7256000	X								X						X	
61	517000 517500	7259000 7253500	X								X						X	
62	520000 522000	7257000 7253000	X								X						X	
63	523500 525000	7251000 7248000	X								X						X	
64	535500 536000	7252000 7249000		X								X					X	
65	526500 527500	7245500 7243000	X								X						X	
66	536000 539000	7245000 7244000		X								X					X	
67	460000 462000	7248000 7248000	X	X							X	X					X	
68	468000 472000 472000 475000	7247500 7248500 7245000 7242500	X	X							X	X					X	
69	477000 480000 483000	7240500 7240500 7241000		X							X						X	

TABLE 11  
SUMMARY OF SAND AND GRAVEL PROSPECTS

NTS 76H ZONE 13W			SHEET 4 of 5															
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS					
	EASTING	NORTHING	Ester	Kame	Outwash	Abandoned Deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
70	484000	7248500			X					X			X					
71	480000 484000	7246000 7247000	X	X					X	X			X					
72	488000 488500	7246500 7245000			X					X	X			X				
73	485000 487000 491000	7245000 7242000 7242000			X					X	X			X				
74	490000 493000 494000 498000 503000	7250000 7252000 7245000 7241000 7237500	X	X					X	X			X					
75	485000 490000 494000 499000 503000	7239000 7239000 7237000 7238000 7235000			X					X			X					
76	508000 512000 514500	7249000 7242000 7237500	X							X			X					
77	506000 508000 510000 513000 516000	7234000 7231500 7227500 7225000 7222500			X					X			X					
78	518500 519500	7229500 7228500	X							X			X					
79	524000 526000	7237000 7236500	X							X			X					
80	532000 536000	7234500 7233500	X	X					X	X			X					
81	453500 457000 457500 459000	7228000 7227000 7222000 7226500	X	X					X	X			X					
82	462000 465000	7227500 7227500	X	X					X	X			X					
83	459500 459500	7224000 7221000	X	X					X	X			X					
84	465000 468000 471000	7225500 7224000 7225000	X	X					X	X			X					
85	462000 465000	7220500 7221500	X	X					X	X			X					
86	463000 464500	7214000 7210000	X							X			X					
87	490000 493000	7224500 7223500	X							X			X					
88	484500 486000	7215500 7215500	X							X			X					
89	505000 505000	7212000 7209000			X							X			X			
90	521500 523000	7213000 7210000			X					X			X			X		

TABLE 11  
SUMMARY OF SAND AND GRAVEL PROSPECTS

NTS 76H

**ZONE 13W**

SHEET 5 of 5

**TABLE 12**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 76-1		ZONE 13W										SHEET 1 of 4						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-Contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	459000 460500	7429500 7427500	X							X				X				
2	492500 494000	7431000 7429000	X								X			X				
3	496000 501500	7428500 7425500	X							X							X	
4	492500 493000	7426500 7425000	X							X				X				
5	492000 494000 494000	7422000 7419500 7418000	X	X						X	X			X				
6	495000 498000 499500	7416500 7414500 7411500	X	X						X	X			X				
7	493000 493500	7413000 7410000	X	X						X	X			X				
8	511500 513500	7428500 7424000	X							X				X				
9	515500 517000	7421000 7418000	X							X				X				
10	517500 519000	7415000 7416000	X							X				X				
11	520500 521500	7410500 7409000	X							X				X				
12	516000 517500	7403500 7403500	X							X				X				
13	521000 521000	7406000 7403500	X							X				X				
14	522000 523000 525500	7401000 7398500 7395000	X							X				X				
15	525500 525500 526500	7420000 7416000 7413500	X							X				X				
16	527500 531000 533000	7411000 7404000 7401000	X							X				X				
17	528000 529000 531000	7431000 7426000 7423000	X							X				X				
18	532000 534000	7421000 7418000	X							X				X				
19	537000 539000 541000	7412000 7408000 7405000	X							X				X				
20	456000 457000	7402000 7401000	X							X				X				
21	458000 459000	7399500 7398500	X	X						X	X			X				
22	460500 462000	7399500 7599000	X							X				X				
23	460000 459500	7394000 7392000	X							X				X				

**TABLE 12**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76-1 ZONE 13W

SHEET 2 of 4

PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS						
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
24	461500 461500	7394000 7392000	X								X					X	
25	489000 490000	7402000 7399000	X								X					X	
26	498000 500000	7394000 7391000	X								X						X
27	491500 492000 494000	7394000 7391000 7387500	X								X					X	
28	465500 467000	7379000 7378000	X								X					X	
29	468000 469000	7377000 7375000	X								X					X	
30	464500 466500	7376000 7372000	X								X					X	
31	483000 461500	7372000 7368500	X								X					X	
32	491000 493500	7380500 7381500	X								X					X	
33	489000 489500	7376500 7375000	X								X					X	
34	495500 496000 496000	7384000 7379000 7374000	X								X					X	
35	504000 504500 507000	7386000 7383000 7381000	X	X							X	X				X	
36	509000 511000 514500	7379500 7376000 7375500	X	X							X	X				X	
37	527000 526500	7383000 7378000	X								X					X	
38	532000 534000 537000	7388000 7384500 7382000	X	X							X	X				X	
39	539000 540000	7383500 7381500	X								X					X	
40	544000 543000	7387000 7384000	X								X					X	
41	529500 530000 530500	7376000 7372000 7368000	X								X					X	
42	526000 527000	7368000 7365000	X								X					X	
43	540500 540500	737700 7375000	X								X					X	
44	542000 542000	7373000 7368000	X								X					X	
45	468500 469500	7366000 7364500	X								X					X	
46	471000 473000 474500	7360000 7355000 735000	X								X					X	
47	494000 493500 495000	7364000 736000 7357500	X								X					X	

TABLE 12  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76-1		ZONE 13W										SHEET 3 of 4						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Icecontact Deposit	Terrace	Delta	Cone or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
48	496500 499000 501000	7373000 7368000 7364000	X							X						X		
49	501500 504000 506000	7362000 7359000 7354000	X							X							X	
50	506000 509000 512000	7361000 7359000 7357500	X							X						X		
51	514000 516000 519000 522000	7364000 7360000 7362000 7360500	X	X						X	X					X		
52	530000 533000	7361000 7360500	X							X						X		
53	538000 536000 536000	7362000 7359000 7355500		X							X					X		
54	534000 534000	7358000 7355000	X							X						X		
55	538000 538500	7358500 7356000		X							X					X		
56	477000 479000	7347000 7344500	X							X						X		
57	476000 474000 474500	7346000 7343000 7339000	X							X						X		
58	475500 475500	7337000 7332000	X							X						X		
59	457500 460000	7326500 7325500	X							X						X		
60	463500 465500	7322500 7320500	X							X						X		
61	481500 484000	7336500 7335500	X	X						X	X					X		
62	486000 489000	7335000 7332500	X	X						X	X					X		
63	495500 4970000	7346500 7344000	X							X						X		
64	493500 496000	7338500 7337500	X							X						X		
65	499500 501500 502000	7338000 7335500 7331500	X							X						X		
66	489000 488000	7326000 7324500	X							X						X		
67	487000 486000	7323500 7321000	X							X						X		
68	490000 491000	7323500 7321500	X							X						X		
69	509000 510000 511000	7348500 7344500 7342500	X							X						X		
70	515500 599000	7351500 7349000	X							X						X		

TABLE 12  
SUMMARY OF SAND AND GRAVEL PROSPECTS.

NTS 76-1

**ZONE 13W**

SHEET 4 of 4

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS			
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-contact Deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope		
71	521500 527000	7347000 7345500			X						X				X	
72	513500 517000 521000	7335500 7339000 7341000			X						X				X	
73	521000 524500	7337500 7333500	X							X					X	
74	518000 519000	7334000 7330000	X							X					X	
75	515500 518000	7329000 7327500	X							X					X	
76	511000 513500 514500	7328500 7329500 7327000	X							X						
77	516000 517500	7325000 7320500	X							X					X	
78	509000 511000	7324000 7321000	X							X					X	
79	506000 507000	7322000 7321000	X							X					X	
80	503000 501500	7324000 7320500	X							X					X	
81	522000 525000 528500 529000	7357500 7352000 7352000 7349000		X							X				X	
82	529000 532000 534000	7346000 7342500 7338000	X							X					X	
93	528500 529000	7337500 733600		X							X				X	
84	537000 537500 539000	7354000 7351000 7347000	X							X					X	
85	542000 544500	7347000 7344500	X							X					X	
86	540500 542000 545000	7346000 7338000 7333000	X							X					X	
87	529000 531000 534500	7329000 7325000 7321500	X							X					X	
88	537000 539000 540500	7326000 7323500 7321000	X							X					X	

**TABLE 13**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76 J		ZONE 13W						SHEET 1 of 4										
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS					
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cane or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	410500 411000	7428000 7427000	X	X						X	X					X		
2	412500 413000	7426000 7424000	X							X					X			
3	414000 417000 420000	7424000 7424000 7424000	X	X						X	X					X		
4	422000 423500	7423500 7422500	X							X					X			
5	429500 429500	7426000 7424000	X							X					X			
6	427500 429000	7419000 7417500	X							X					X			
7	430000 431500	7417000 7417500	X							X					X			
8	430000 430500 431000	7416000 7413000 7410000	X							X					X			
9	432000 432000	7407000 7404000	X							X					X			
10	435000 436000	7417000 7416000	X							X					X			
11	438500 438500	7417500 7415500	X							X					X			
12	440000 441000	7412500 7411000	X							X					X			
13	442000 443000	7409000 7406000	X							X					X			
14	446000 447000	7403500 7403000	X							X					X			
15	454000 455500	7403500 7403000	X							X					X			
16	448500 448000	7399000 7397000	X							X					X			
17	448000 448500	7393000 7391500	X							X					X			
18	450000 450500	7390000 7388500	X							X					X			
19	451000 452000	7386000 7386000	X							X					X			
20	453500 453500	7385000 7383500	X							X					X			
21	398000 398000	7401000 7400000	X							X					X			
22	410000 410500	7408000 7407000	X							X					X			
23	411000 410500	7405500 7402000	X							X					X			
24	412000 415000 419000	7408000 7405000 7406000	X							X					X			
25	411000 412000	7400000 7399000	X							X					X			

**TABLE 13**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76 J		ZONE 13W										SHEET 2 of 4						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS							
	EASTING	NORTHING	Escher	Karne	Outwash	Ice-Contact Geology	Terrace	Delta	Cone or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
26	414000 416500	7396000 7393000	X							X						X		
27	412500 413000	7390500 7389000	X								X					X		
28	417000 416500	7385000 7383500	X							X					X			
29	420000 421000	7386500 7388000	X							X					X			
30	423500 424000 427000 428000	7388000 7385500 7382000 7379000		X							X				X			
31	429500 430500	7376500 7376500	X								X				X			
32	431500 434000 438000	7375000 7373500 7373500	X								X				X			
33	431500 431500	7372500 7371000	X								X				X			
34	438000 438000	7371000 7368000	X								X				X			
35	439000 439000	7366000 7365000	X								X				X			
36	403000 404000	7372000 7372000	X								X				X			
37	407000 410000	7372000 7372500	X								X				X			
38	417000 418000	7372500 7371000	X								X				X			
39	406000 408000	7369500 7369500	X								X				X			
40	408000 412000 413500 416000	7360500 7361000 7360500 7362000	X								X				X			
41	409000 411000 413000	7357500 7357500 7358000	X								X				X			
42	427000 429000	7350000 7350500	X								X				X			
43	431000 432000	7350000 7350500	X								X				X			
44	434500 436000	7350300 7350300	X								X				X			
45	416000 417500	7343000 7343500	X	X							X	X			X			
46	419000 422000	7343500 7343500	X	X							X	X			X			
47	425000 425000	7342000 7341000	X								X				X			
48	429000 430500	7339000 7339000	X								X				X			
49	432000 434000	7338000 7338000	X								X				X			
50	432000 433500	7341500 7342500	X								X				X			

TABLE 13  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76 J		ZONE 13W										SHEET 3 of 4						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS						
	EASTING	NORTHING	Esker	Kame	Outwash	Icecontact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
51	435000 436000	7342500 7343000	X							X						X		
52	438500 440000	7341500 7341500	X								X					X		
53	440500 442000	7340000 7339500	X								X					X		
54	445000 447000 449000	7339000 7337000 7335500	X							X						X		
55	422000 424500	7336000 7334500					X				X						X	
56	437000 437500	7335000 7333500	X								X					X		
57	447000 449500	7333500 7332000	X								X					X		
58	430000 429500	7326500 7325000		X							X					X		
59	433000 434500	7326000 7325500		X							X					X		
60	436000 437500	7325000 7324000		X							X					X		
61	440000 442000	7325500 7325000		X							X					X		
62	450200 450200	7327000 7325000	X								X					X		
63	439000 441000	7324000 7322000		X							X					X		
64	438000 438000	7323000 7322000	X								X					X		
65	430500 431500	7322000 7321000	X								X					X		
66	370500 372000	7387000 7388000	X								X					X		
67	367000 368500	7383500 7384000	X								X					X		
68	375000 375000	7383500 7382500	X								X					X		
69	377500 378000	7381000 7380000		X							X						X	
70	379000 380000 382500 384000	7377000 7374000 7370000 7366000	X								X					X		
71	378000 378000	7377000 7375000		X							X					X		
72	369000 369500 368500	7379000 7376500 7373000		X							X					X		
73	379000 377000 374000	7370000 7367000 7364500	X								X					X		
74	377000 377000	7365000 7362000	X								X					X		
75	370000 370500 370000	7367000 7365000 7363000	X								X					X		

TABLE 13

NTS 76 J ZONE 13 W

SHEET 4 of 4

PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS					
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
76	378000 379000	7360000 7358500	X							X						X		
77	370500 370000	7356000 7354000	X							X						X		
78	378000 378000	7355000 7353500	X							X						X		
79	369000 368500	7351000 7347000	X							X							X	
80	365000 367000	7331000 7330000	X	X						X	X					X		
81	383000 382000	7351000 7350000	X							X						X		
82	384500 384000	7349000 7347000	X							X						X		
83	388000 389000	7350000 7347000	X							X						X		
84	380500 380500	7342000 7340000	X							X						X		
85	400000 400000 399500	7349000 7346000 7344000	X							X						X		
86	396500 398000	7341500 7340000	X							X						X		
87	398500 398000	7338500 7337000	X							X						X		
88	398000 398000	7331500 7330000	X							X						X		
89	398500 399500	7327000 7325000	X							X						X		
90	405000 405000	7343000 7340000	X							X						X		
91	405200 406000	7339000 7336500	X							X						X		
92	411000 411500	7325000 7322000	X							X						X		
93	414500 415000	7323000 7321500		X							X					X		
94	417100 417500	7322000 7321000	X							X						X		

**TABLE 14**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76K		ZONE I2W										SHEET 1 of 4			
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS			
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposits	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench
1	544000 548000	7420000 7420000			X							X			X
2	561000 560000 563000	7431000 7426000 7425500	X								X			X	
3	574000 575500	7428000 7425500	X								X			X	
4	572000 574000	7422000 7422000			X						X			X	
5	581000 580500	7431000 7426000	X								X			X	
6	580000 582000	7423500 7424000	X								X			X	
7	581000 583500 584500	7421500 7420000 7417500	X								X			X	
8	591000 595000	7430500 7432000			X							X			X
9	590000 591000	7429000 7425000			X							X			X
10	593000 592000	7423000 7420000			X							X			X
11	597000 600000 602500 604500	7430000 7426500 7425500 7422500	X	X							X	X			X
12	610000 608500 608000	7433000 7430000 7426000	X								X				X
13	545000 550000 553500 556000 560000	7417000 7413500 7410000 7407000 7403000	X	X							X	X			X
14	566000 567500	7413000 7410000	X								X				X
15	571500 571500	7411000 7407000		X								X			X
16	579000 582500	7408000 7411000		X								X			X
17	586000 588000	7414000 7416000	X								X				X
18	589000 591000	7417000 7419000		X								X			X
19	613000 613500	7417000 7418000		X								X			X
20	574500 577000	7404000 7406000		X								X			X
21	596000 597000	7402000 7401000		X								X			X
22	600500 602000	7409000 7407500		X								X			X

**TABLE 14**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 76K		ZONE 12W							SHEET <u>2</u> of <u>4</u>							
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY		DEPOSIT SIZE	COMMENTS						
	EASTING	NORTHING	Ester	Kame	Outwash	Ice Contact Deposit	Terrace	Cone or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
23	610000 610000 610500	7409000 7406000 7401000	X						X					X		
24	629000 629000 629100	7404000 7400000 7397000	X							X				X		
25	551000 555000	7398500 7396000	X							X				X		
26	560500 563000	7391500 7393000		X							X				X	
27	565000 567000	7394000 7395000		X							X				X	
28	564000 564000 565500	7401000 7397000 7396000	X							X				X		
29	565000 569000	7399500 7399500	X							X				X		
30	569000 572500	7398000 7400500		X							X				X	
31	568000 570000 574000	7391000 7389000 7388000	X							X				X		
32	576000 578500	7391500 7392000		X							X			X		
33	611000 611500 611500	7399000 7396000 7393000	X							X				X		
34	546000 549000 553000 558000	7391000 7388500 7388000 7384000	X	X						X	X			X		
35	578000 582000	7381000 7380000	X							X				X		
36	583000 585000 587500	7378000 7380000 7383000		X							X				X	
37	586000 589000	7380000 7380000	X							X				X		
38	591000 591500	7387000 7385000		X							X				X	
39	612000 615500 617500	7391000 7389000 7385000	X							X				X		
40	550000 552000 555000	7373000 7372000 7374000	X							X				X		
41	564000 563500	7380000 7379000	X							X				X		
42	580500 582000	7371000 7372000		X							X				X	
43	581000 583000 584000	7370000 7370000 7368500	X							X				X		
44	591500 594000 596000	7383000 7377500 7374000		X							X				X	

**TABLE 14**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76K ZONE 12W			SHEET <u>3</u> of <u>4</u>															
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Icecontact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
45	596500 599000 596500	7372000 7372500 7369000		X								X					X	
46	602000 604500	7372000 7370000		X								X					X	
47	630500 630000	7380000 7377000	X									X					X	
48	545000 547000	7361500 7362500	X									X					X	
49	548000 548000	7366000 7364500	X									X					X	
50	551500 554000	7366000 7366500	X									X					X	
51	556000 558000	7367000 7367500	X									X					X	
52	569000 571000	7363000 7363000	X									X					X	
53	578500 579000	7366500 7368000		X								X					X	✓
54	581000 580800	7366000 7364000	X									X					X	
55	581500 582000	7362500 7360000	X									X					X	
56	588500 591000	7367500 7368000	X									X					X	
57	610000 611500 612000	7368000 7366500 7363500		X								X					X	
58	588000 593500 597000	7352000 7350000 7347000		X								X					X	
59	606000 608000 608000	7352500 7353500 7351000	X									X					X	
60	611000 611500 610000	7361000 7357000 7354000		X								X					X	
61	550500 552000 552000	7347500 7343000 7339000	X									X					X	
62	550000 553000 557000	7350000 7349000 7348000		X								X					X	
63	558500 560000 564000	7347000 7345000 7345500		X								X					X	
64	569000 571500	7344000 7341500	X	X								X	X				X	
65	580000 582000	7349000 7346500	X									X					X	
66	600000 603500 607000	7345000 7344000 7346000		X								X					X	
67	608500 611000 612000 613500	7345000 7342000 7340000 7336000		X								X					X	

TABLE 14  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76K		ZONE 12W										SHEET <u>4</u> of <u>4</u>						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-Tongue Deposit	Terrace	Delta	Cone or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
68	556000 560000 564000	7335500 7337000 7337000	X	X						X	X					X		
69	566000 569000 570500	7337000 7335000 7333000	X	X						X	X					X		
70	571500 573000	7331500 7329000	X	X						X	X					X		
71	579500 580500	7339500 7337000	X							X						X		
72	583000 584500	7339500 7340500	X							X						X		
73	611000 612000	7335500 7333500		X							X					X		
74	614000 616000 618000	7334500 7331500 7330000		X							X				X			
75	617000 620000 619000 622000	7336000 7336500 7334000 7336000		X							X				X			
76	629500 629000	7332500 7330000	X							X					X			
77	626000 630000 634000	7336000 7333500 7331800	X	X						X	X				X			
78	562500 563500	7324500 7321000	X							X					X			
79	576000 579000	7324500 7321500	X	X						X	X				X			
80	614000 614000	7328000 7324000		X							X				X			
81	623000 626000 624000	7327500 7329000 7331000		X							X				X			
82	627500 628500	7327500 7327000		X							X				X			
83	630200 631000	7329000 7321000		X							X				X			
84	633000 634000	7323000 7325000		X							X				X			

**TABLE 15**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76L		ZONE I2W										SHEET 1 of 3						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-Contact Deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	456000 457000	7427000 7425000	X							X				X				
2	458500 459000	7419000 7417000	X							X				X				
3	460000 460000	7412000 7410000	X							X				X				
4	483000 483000	7420000 7419000	X							X				X				
5	491500 491000	7430000 7428000		X							X			X				
6	494000 496000	7430000 7426000		X							X			X				
7	497000 500000 503000	7420000 7415500 7413500	X							X				X				
8	507000 508000	7411000 7408000		X							X			X				
9	521000 521500	7430000 7428500		X							X			X				
10	530000 533000 534500	7430000 7428000 7426000	X	X						X	X			X				
11	535000 536000	7424000 7421000	X	X						X	X			X				
12	539000 541000	7420000 7420500	X							X				X				
13	456000 460000	7399000 7394500	X							X				X				
14	471000 472000 474000	7410500 7406500 7402000	X	X						X				X				
15	475000 477000	7399500 7394000	X	X						X	X			X				
16	484000 484500	7407000 7405000	X							X				X				
17	488500 489000	7398000 7395000	X							X				X				✓
18	503000 500000 499000 502000 500500	7408500 7406500 7405000 7402000 7399500		X							X			X				
19	503000 506500 509000	7399000 7398000 7397000		X							X			X				
20	512000 514500 517000	7395000 7393500 7392000	X	X						X	X			X				
21	528000 526000 525000	7412000 7409000 7406000		X							X			X				
22	527000 530000 532000	7403500 7400000 7396000		X							X			X				
23	538000 540000 543000	7395000 7393600 7392500	X							X				X				

TABLE 15  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76 L		ZONE 12 W										SHEET 2 of 3						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS						
	EASTING	NORTHING	Ester	Kame	Outwash	Icecontact deposit	Terrace	Delta	Cone or fan	Toes	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
24	465500 466000	7388000 7386000	X							X				X				
25	480500 481500	7390500 7389000	X							X				X				
26	484000 483500	7384000 7381000	X							X				X				
27	490000 490000	7384000 7382000	X							X				X				
28	491500 492000	7385000 7384000	X							X				X				
29	524000 529000	7385500 7384500	X							X				X				
30	527000 528500 531000	7383000 7378000 7376000	X	X						X	X			X				
31	534000 538000 542000	7375000 7377500 7378000	X	X						X	X			X				
32	467000 767500	7373000 7372000	X							X				X				
33	472000 473000	7372000 7370500	X							X				X				
34	481000 481000	7374000 7371500	X							X				X				
35	482500 483000	7367500 7365500	X							X				X				
36	505000 503500 502000	7369000 7366000 7363000	X							X				X				
37	507000 509000 511000	7379000 7376000 7374500	X	X						X	X			X				
38	512000 517000 520000	7373000 7372000 7369000	X	X						X	X			X				
39	521500 525000	7367500 7365500	X	X						X	X			X				
40	528000 535000 537500	7364000 7364000 7361000	X	X						X	X			X				
41	539000 542000 543000	7359500 7359500 7361000	X	X						X	X			X				
42	474000 476000	7357000 7358000	X							X				X				
43	460000 464000 461000	7350500 7351000 7349500	X	X						X	X			X				
44	456000 459000	7350000 7346000	X							X				X				
45	460000 462000 466000	7344000 7340500 7337500	X	X						X	X			X				
46	472000 475500	7344000 7341000	X							X				X				
47	479000 483000	7341000 7340000	X							X				X				

TABLE 15  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

SHEET 3 of 3

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS					
	EASTING	NORTHING	Ester	Kame	Outwash	Ic-contact deposit	Terrace	Delta	Cone of tan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
48	498000 496000	7356000 7352500	X							X					X			
49	501000 503000	7350500 7353000	X							X					X			
50	509000 508000	7348000 7346000	X							X					X			
51	521500 520500 521000 520000	7365000 7359000 7355000 7350000	X	X						X	X					X		
52	530500 531000	7344000 7339000	X							X					X			
53	542000 544000	7355000 7353000	X	X						X	X				X			
54	471000 474000 477000	7336500 7334500 7331500	X	X						X	X				X			
55	478000 480000 480500	7329000 7326000 7323000	X	X						X	X				X			
56	489000 480500	7337500 7335000	X							X					X			
57	495000 497000 499000	7329000 7325000 7322000	X							X					X			
58	509500 508500	7337000 7334000	X							X					X			
59	516000 519500	7323500 7326500		X							X					X		
60	526000 527000 529000	7330000 7328000 7326000	X	X						X	X					X		
61	530500 532000 531000	7324000 7322000 7321000	X	X						X	X					X		

TABLE 16  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

NTS 76M		ZONE 12W		SHEET <u>1</u> of <u>3</u>													
PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY		DEPOSIT SIZE		COMMENTS						
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-concentric deposit	Terrace	Delta	Cane orton	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
1	500000 500000	7512000 7509000			X							X					X
2	499000 498500	7507000 7504500			X							X					X
3	501500 504500	7504000 7501000	X	X						X	X						X
4	527000 527000	7523000 7519000	X								X					X	
5	526000 527500	7516500 7517500	X								X					X	
6	523500 522000	7510500 7508000	X							X					X		
7	527500 529000	7503000 7501000	X							X					X		
8	531500 532000	7501500 7500000	X							X					X		
9	505000 506500	7497000 7492000	X	X						X	X					X	
10	509500 509500	7491000 7490000		X								X				X	
11	507500 507500	7485500 7484000		X							X					X	
12	512500 514500	7486500 7486000	X								X					X	
13	515000 516000	7484500 7484000	X								X					X	
14	507000 507500	7481000 7478000	X							X					X		
15	509000 510000	7474500 7476000		X							X				X		
16	536500 536000	7497000 7493000	X							X					X		
17	539000 539500	7497500 7494000	X							X					X		
18	531200 531200	7482000 7480000	X							X					X		
19	540000 541000	7477000 7476000	X							X					X		
20	535000 536000	7473500 7471000	X							X					X		
21	472000 473000 471500	7477000 7473500 7470000	X	X						X	X	.	X				
22	471000 471000 473000	7467000 7464000 7462500	X							X					X		
23	475000 475000 476000	7469000 7468000 7466000	X	X						X	X				X		
24	477500 480000	7464500 7462000	X	X						X	X				X		
25	476500 476000	7459000 7455000	X							X					X		

**TABLE 16**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76M		ZONE 12W		SHEET <u>2</u> of <u>3</u>													
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS			
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
26	484000 488000 492000	7459500 7458000 7457000	X	X						X	X					X	
27	482500 483000	7454500 7453000	X								X			X			
28	495000 498500	7455500 7454000	X								X					X	
29	500000 501500	7452500 7451000	X							X					X		
30	510000 511000	7467500 7466500		X								X		X			
31	511000 512500	7462000 7460000	X								X				X		
32	514500 516000	7457500 7455000	X								X				X		
33	518000 522000 526000	7453000 7452500 7452500	X	X							X	X			X		
34	528000 532000	7469500 7466000	X								X				X		
35	524000 526000	7465000 7464000	X								X				X		
36	527000 528000	7463000 7462500	X								X				X		
37	529000 532000	7453000 7453000	X								X				X		
38	535000 537000	7452000 7455000	X								X				X		
39	537000 539000	7452500 7452000	X								X				X		
40	540500 542000	7451500 7452500	X								X				X		
41	478000 479000	7440500 7437000	X								X				X		
42	484500 485000	7442500 7440000	X	X							X	X			X		
43	487500 487500 489500	7441500 7440000 7439000	X	X							X	X			X		
44	490000 490500 493000	7437000 7433000 7431500	X	X							X	X			X		
45	503000 503000	7449000 7447000	X	X							X	X			X		
46	508000 509000	7451000 7451000		X								X		X			
47	510000 511000	7449500 7449000		X								X		X			
48	513000 514000	7450500 7449500		X								X		X			
49	512000 513000	7448500 7448000		X								X		X			
50	508000 509500	7442000 7430500	X								X				X		

TABLE 16  
SUMMARY OF SAND AND GRAVEL PROSPECTS

NTS 76M

**ZONE 12W**

SHEET 3 of 3

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS			
	EASTING	NORTHING	Ester	Kame	Outwash	Ic-Contact Deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	
51	515000 518000	7434500 7433000	X	X						X	X				X	
52	521000 524000 527000	7440000 7438000 7437500	X								X			X		
53	526000 528000	7435000 7434000	X	X							X	X		X		
54	528000 530000	7442000 7439000	X								X			X		
55	531500 533000	7441500 7439000	X								X			X		
56	540500 541500	7448000 7447000		X								X			X	
57	462000 462000	7513000 7512000									X	X	X		Beach	
58	463000 464000	7506500 7507000									X	X	X		Beach	
59	484500 485000	7515000 7516500									X	X	X		Beach	
60	493000 494000	7520000 7520000									X	X	X		Beach	
61	506000 506500	7535000 7536000									X	X			X Beach	
62	508000 510000 511000	7520000 7520000 7525000									X	X			X Beach	
63	513000 516000	7528000 7529000									X	X	X		Beach	
64	535000 535500	7541000 7540000									X	X	X		Beach	

**TABLE 17**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76 N		ZONE 12W		SURFACE TOPOGRAPHY										DEPOSIT SIZE			COMMENTS		
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY					DEPOSIT SIZE						
	EASTING	NORTHING	Esker	Kame	Ostwald	Ice-contact deposits	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large	
1	547500 548000	7494500 7492000	X							X						X			
2	556500 556500	7500500 7498000	X								X						X		
3	556500 558000	7495500 7492000	X								X						X		
4	560500 562000	7490500 7489000	X								X						X		
5	566500 567000	7488000 7486000	X								X						X		
6	569000 569500	7482000 7480500	X								X						X		
7	561000 561000	7484000 7481000	X								X						X		
8	559500 560000 559500	7487000 7485000 7482500	X								X						X		
9	568000 567500	7481000 7478000	X								X						X		
10	559500 559500	7481000 7479500	X								X						X		
11	561000 560500	7479500 7478000	X								X						X		
12	559000 558000 557000	7478000 7475000 7471000	X								X						X		
13	560500 559500	7477000 7470500	X								X						X		
14	573000 574000	7474500 7474000	X								X						X		
15	567000 569000	7472000 7470000	X								X						X		
16	565500 565000 565500	7474000 7470000 7464500	X								X						X		
17	569500 569000	7468000 7465000	X								X						X		
18	569000 568500	7463000 7461000	X								X						X		
19	568000 570000	7460000 7458500	X								X						X		
20	582000 582500	7469500 7466500	X								X						X		
21	584000 585000	7462000 7461000	X								X						X		
22	572000 573000	7456500 7456500		X								X					X		
23	574500 578000 580500	7456500 7456000 7454500		X								X					X		
24	585000 585000	7455000 7454000	X								X						X		

**TABLE 17**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76N		ZONE 12W		SURFACE TOPOGRAPHY										DEPOSIT SIZE			COMMENTS		
PROSPECT	UTM GRID		GEOLOGIC LANDFORM																
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-tongue deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large	
25	593500 594500	7457500 7457000			X							X					X		
26	589000 591000	7449000 7449000	X								X						X		
27	594500 594000	7452000 7451000		X								X						X	
28	593000 593000	7450000 7448000		X								X						X	
29	596000 598000	7449000 7450000		X								X						X	
30	593500 593500	7447000 7445500		X								X						X	
31	596000 596000	7447000 7444000		X								X						X	
32	590500 592000	7443500 7441000	X	X							X	X						X	
33	598500 599000	7439500 7439000		X								X						X	
34	584000 583500	7447500 7444500	X								X							X	
35	585000 585500	7441500 7440500	X								X							X	
36	590500 590500	7435000 7433500	X								X							X	
37	595000 597500	7433500 7434000		X								X						X	
38	599500 600500	7435000 7434500		X								X						X	
39	543000 543000	7474000 7472000	X								X							X	
40	543500 543000	7470000 7467000	X								X							X	
41	543500 546000	7465500 7464000	X								X							X	
42	547000 548000 549500	7461000 7456500 7451500	X								X							X	
43	559500 559000	7460000 7457500	X								X							X	
44	559500 562000	7452500 7455000	X								X							X	
45	568500 568500	7455500 7452000	X								X							X	
46	552500 555500	7449500 7449500	X								X							X	
47	559000 559000	7449000 7445000	X								X							X	
48	562500 562000	7448000 7445000	X								X							X	
49	568000 569000	7447000 7446000	X								X							X	
50	568000 571000 572500	7444000 7442500 7441000	X								X							X	

TABLE 17  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

PROSPECT	NTS 76N		ZONE 12W		SHEET <u>3</u> of <u>3</u>														
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large	COMMENTS
51	571000 572500	7435500 7434500	X								X					X			
52	543000 547000	7449000 7448500	X									X					X		
53	550000 550500 549000	7447500 7445000 7441000	X	X								X	X					X	
54	546500 546000	7439000 7435000	X	X								X	X				X		
55	549000 551000 553000	7439000 7437000 7437000		X									X					X	
56	555000 558000	7439000 7436500		X									X					X	
57	559000 560500	7434500 7432500	X									X				X			
58	553000 556000	7523000 7521000										X	X				X	Beach	
59	556000 558000	7511000 7510000										X	X	X				Beach	
60	564000 566000	7513000 7515000										X	X				X	Beach	
61	574000 576000	7538000 7537000										X	X	X				Beach	
62	582000 583500	7542000 7540000										X	X				X	Beach	
63	579000 579000	7521000 7518000										X	X				X	Beach	
64	574000 574500	7501000 7499000										X	X				X	Beach	
65	582000 586000	7506000 7501000										X	X				X	Beach	
66	602000 604000	7535000 7535500										X	X	X				Beach	
67	622500 624000	7527000 7529000										X	X	X				Beach	
68	623000 624500	7508000 7509000										X	X	X				Beach	
69	598000 599000	7500000 7496000										X	X				X	Beach	
70	607500 610000	7496000 7495000										X	X				X	Beach	
71	598000 598000	7491500 7486500										X	X				X	Beach	
72	591000 593000	7475000 7469000										X	X				X	Beach	
73	611000 612000	7478000 7476000										X	X	X				Beach	
74	616000 618000	7467500 7467500										X	X	X				Beach	

TABLE 18  
SUMMARY OF SAND AND GRAVEL PROSPECTS ✓

PROSPECT	UTM GRID		GEOLOGIC LANDFORM						SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS			
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-contact deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	409000 409500	7529000 7527000	X							X						X		
2	407500 410500	7527500 7523500	X							X						X		
3	412000 413000	7521000 7519500	X							X						X		
4	418000 419000	7531000 7527000	X							X						X		
5	439000 438500	7529000 7527500	X							X						X		
6	452000 453000	7543000 7540500	X							X						X		
7	453000 455000	7534000 7532000	X							X						X		
8	458000 458000	7531000 7527000	X							X						X		
9	443000 447000	7521000 7517000	X							X						X		
10	449000 451000	7520000 7516500	X	X						X	X					X		
11	435000 434500	7515000 7512000	X							X						X		
12	445500 445000	7506000 7505000	X							X						X		
13	448000 450000	7508500 7505000	X							X						X		
14	452500 455000	7512000 7506000	X	X						X	X					X		
15	456500 457000	7514000 7511000	X							X						X		
16	455500 457000	7504000 7501000	X							X						X		
17	400000 401500	7507000 7506000	X							X						X		
18	416000 419000	7511000 7508000	X							X						X		
19	420000 421500	7506000 7503000	X							X						X		
20	425000 425000	7510000 7509000	X							X						X		
21	410000 413000 417000	7498000 7497000 7494000	X							X						X		
22	423000 425000	7492000 7490000	X							X						X		
23	426500 428000	7489000 7488000	X							X						X		
24	430000 432000	7486000 7484000	X							X						X		

**TABLE 18**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

NTS 76-0		ZONE 13W										SHEET 2 of 2					
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE	COMMENTS					
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-Contact Deposit	Terrace	Delta	Cone or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium
25	441000 443000 445000	7496000 7493000 7489000	X							X				X			
26	447000 449000	7486000 7484000	X							X				X			
27	452000 454500	7498000 7494000	X							X						X	
28	456000 457000	7492000 7489000	X							X						X	
29	406000 410000 412000	7488000 7487000 7484000	X							X						X	
30	404000 407000	7484000 7483000	X	X						X	X	X				X	
31	406000 408000	7478000 7476500	X	X						X	X	X				X	
32	413000 418000 421000	7483000 7481000 7477000	X							X						X	
33	423000 425000	7475000 7474000	X							X						X	
34	410000 414000 416500	7468000 7466000 7464000	X							X						X	
35	430000 432000	7463000 7461500	X							X						X	
36	431000 434000 437000	7472000 7470000 7467000	X							X						X	
37	440000 442000 446000	7465000 7462000 7457000	X							X						X	
38	456000 457000	7476000 7474000	X							X						X	
39	456000 455500	7469000 7466000	X							X						X	
40	407000 409000	7449500 7449500	X	X						X	X					X	
41	410000 413000 417000	7448000 7449000 7449000	X	X						X	X					X	
42	409000 411000	7440000 7439500	X	X						X	X					X	
43	414000 416000	7437000 7437500	X	X						X	X					X	
44	435000 437500	7454000 7450500	X							X						X	
45	431000 432000	7443000 7442000	X							X						X	
46	445000 446000	7452000 7450500	X	X						X	X					X	
47	446500 447500	7449000 7447500	X	X						X	X					X	
48	454000 454500	7441000 7439500	X							X						X	

**TABLE 19**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76P		ZONE 13W										SHEET 1 of 2						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Ice deposit	Terrace	Delta	Cone or Ion	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
1	461000 463000	7536000 7531000	X								X				X			
2	461000 461500	7528000 7520500	X								X						X	
3	462000 463000	7517000 7511500	X								X						X	
4	490500 492000	7532000 7533000	X								X					X		
5	499000 502000 502000	7521500 752000 7517000	X								X					X		
6	516000 521000	7531000 7533500	X	X							X	X					X	
7	520000 521000	7524000 7522000	X								X					X		
8	515000 517000	7519000 7521000	X								X					X		
9	539000 540500	7536000 7539000	X								X					X		
10	464000 467000	7509500 7503000	X								X					X		
11	469000 472000	7500000 7493500	X								X					X		
12	496000 498000	7510000 7506000	X								X					X		
13	494000 494000	7499000 7496000	X								X					X		
14	496000 495000	7489000 7487000	X								X					X		
15	516500 519000	7509500 7507000	X								X					X		
16	520500 522500	7505500 7499500	X								X					X		
17	512000 512000 512000	7503000 7499000 7494000	X								X					X		
18	518000 518000 517000	7501000 7498000 7493000	X	X							X	X				X		
19	513500 513000	7492000 7486000	X								X					X		
20	533000 533000	7511000 7509000	X								X					X		
21	530000 530000	7494000 7493000	X								X					X		
22	458000 459500	7487000 7480000	X								X					X		
23	474000 475000 477000	7490000 7486000 7481000	X	X							X	X				X		
24	477500 478500 479500	7479000 7475000 7470000	X	X							X	X				X		

**TABLE 19**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS ✓**

NTS 76P		ZONE 13W										SHEET 2 of 2						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-Tongue Deposit	Terrace	Delta	Cone or Fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
25	467000 470000	7473000 7468000	X							X						X		
26	495500 496500	7479000 7471000	X								X						X	
27	506000 507000 508000	7481000 7474000 7469000	X								X						X	
28	514000 515000	7484000 7479000	X								X						X	
29	532000 531500	7472000 7470000	X								X						X	
30	457000 459000 461500	7473000 7467000 7462000	X								X						X	
31	463000 464000	7457000 7454000	X								X						X	
32	475500 477000 477500	7464000 7460000 7454000	X								X						X	
33	481000 482500	7466000 7459000	X	X							X	X					X	
34	483000 484500 484500	7456000 7453000 7446000	X	X							X	X					X	
35	479000 481000	7449000 7442000	X								X						X	
36	497500 497000	7469000 7465000	X								X						X	
37	509000 508000 508500	7464000 7458000 7451000	X								X						X	
38	514000 514000	7467000 7463000	X								X						X	
39	515000 516000	7456000 7450000	X	X							X	X					X	
40	523500 524000	7460500 7458000	X								X						X	
41	531000 532000 532500	7456000 7453000 7448500	X	X							X	X					X	
42	490500 492000	7437000 7432000	X								X						X	
43	509000 508500 509500 510500	7448000 7442000 7438000 7434000	X								X						X	
44	519000 520000	7441000 7437000	X								X						X	
45	526000 527500 528000	7439000 7436000 7432000	X								X						X	
46	513500 513500	7472000 7469000	X								X						X	
											.							

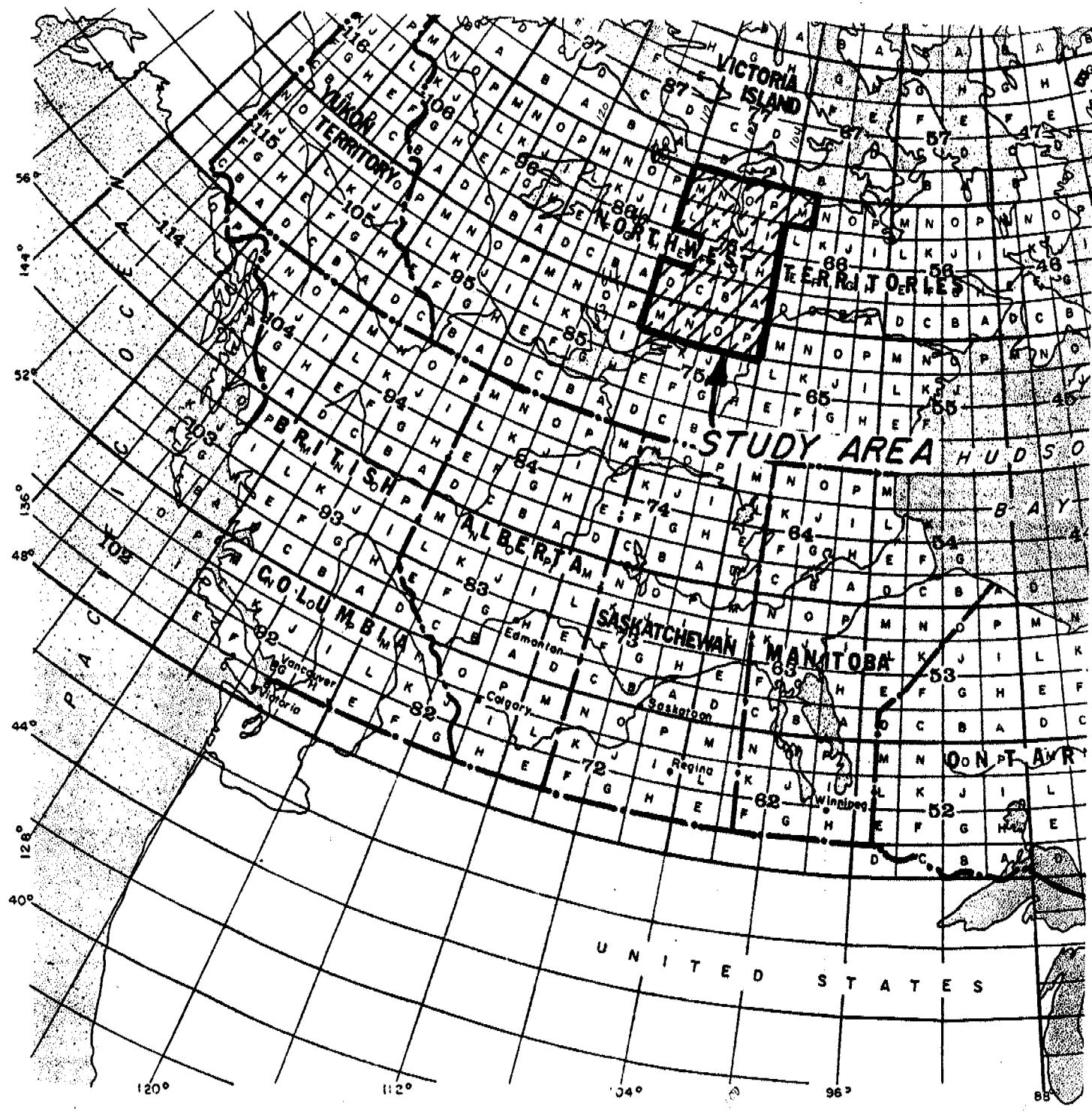
**TABLE 20**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS** ✓

NTS 66M		ZONE 13W										SHEET 1 of 2								
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS						
	EASTING	NORTHING	Ester	Kame	Outwash	Ice-conduit deposit	Terrace	Delta	Cone on fan	Status	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large		
1	548000 545000	7543000 7539000			X							X					X	Beach or scarp		
2	560000 561000	7532000 7530000	X								X			X						
3	565000 567000 569000	7540000 7534000 7528000			X								X				X	Beach or scarp		
4	571000 573000	7522000 7518000			X								X				X	Beach or scarp		
5	579000 579000	7520000 7518000			X								X		X			Beach or scarp		
6	574500 573000	7516500 7512000			X								X				X	Beach or scarp		
7	594000 594000	7519000 7516000			X								X			X		Beach or scarp		
8	563000 562500	7503000 7499000			X								X		X			Beach or scarp		
9	574000 572000 571500	7509000 7503000 7497000			X								X				X	Beach or scarp		
10	577000 576000	7501000 7498000	X								X				X					
11	584500 587000 588000	7506500 7501000 7496000			X								X				X	Beach or scarp		
12	587500 589500	7506500 7504500			X								X				X	Beach or scarp		
13	602500 602500	7508000 7506500			X								X		X			Beach or scarp		
14	546500 547500	7491500 7489000			X								X		X			Beach or scarp		
15	564000 565000	7493000 7490000			X								X				X	Beach or scarp		
16	587000 588000 589000 588500	7495000 7490000 7485000 7479000	X								X						X			
17	592000 593000	7491000 7487000			X								X				X	Beach or scarp		
18	594000 595000	7486000 7482000			X								X				X	Beach or scarp		
19	610000 610500	7494000 7491000	X								X				X					
20	618500 619000	7486000 7481000			X								X				X	Beach or scarp		
21	565500 565000	7487000 7480000	X										X				X			
22	549500 550000 551500	7473000 7468000 7464000	X	X							X	X					X			
23	564500 565000 566500	7477000 7471000 7465000			X								X				X	Beach or scarp		

**TABLE 20**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

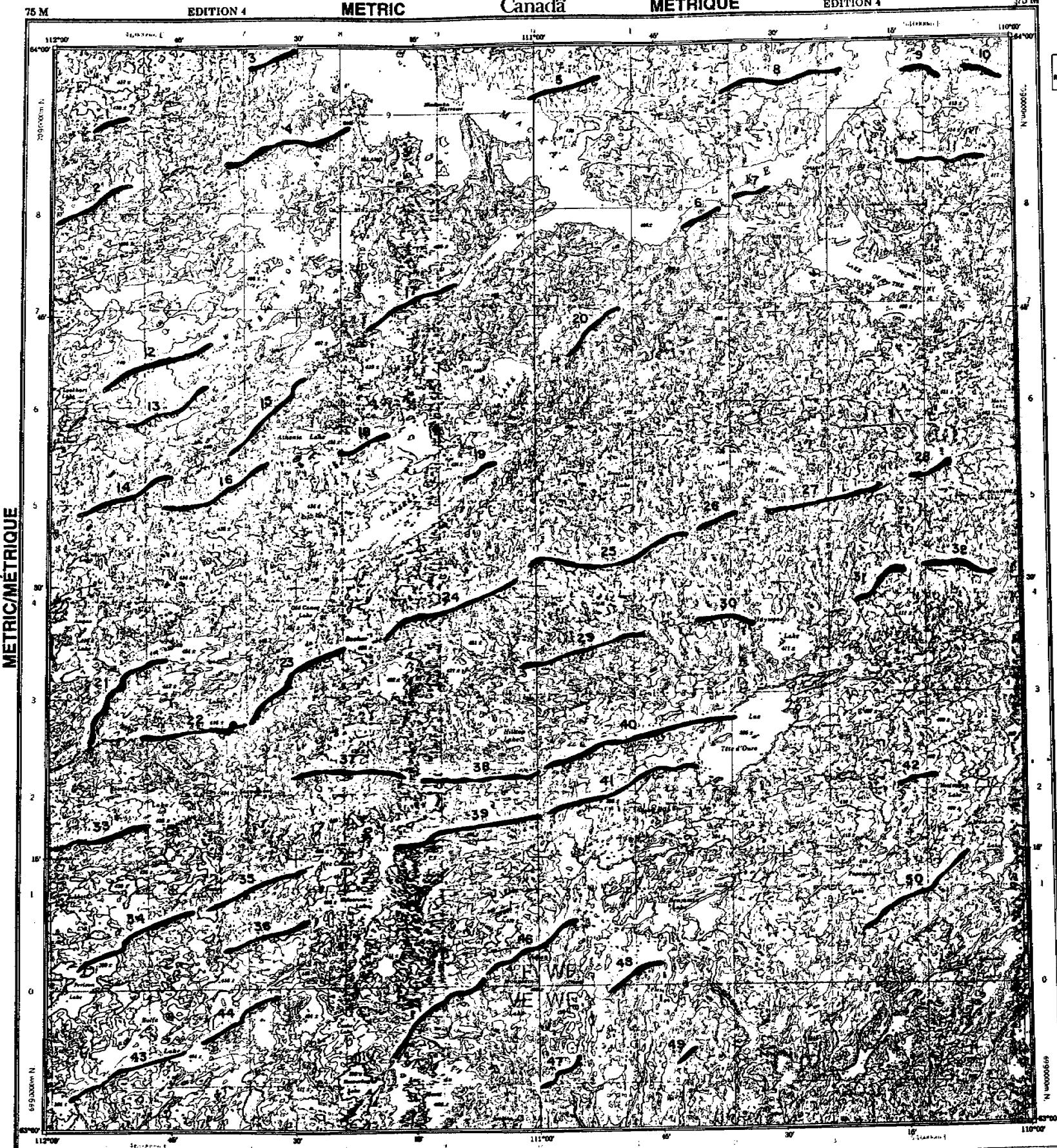
NTS 66M		ZONE 13W										SHEET 2 of 2						
PROSPECT	UTM GRID		GEOLOGIC LANDFORM					SURFACE TOPOGRAPHY			DEPOSIT SIZE			COMMENTS				
	EASTING	NORTHING	Esker	Kame	Outwash	Ice-Contact Deposit	Terrace	Delta	Cone or fan	Talus	Ridge	Hill	Plain	Slope	Bench	Small	Medium	Large
24	578000 577500	7477000 7473000	X								X						X	
25	578000 577500	7471000 7464000	X								X						X	
26	589000 588500	7469000 7467000	X								X						X	
27	589000 589000	7464500 7462000	X								X						X	
28	601000 605000 607500	7472000 7467000 7462000		X								X				X		Beach or scarp
29	611500 615000	7475500 7470000	X								X						X	
30	553000 553500	7461000 7454000	X	X							X	X					X	
31	554000 556500	7452000 7447500	X	X							X	X					X	
32	568000 569000	7461000 7458000	X								X						X	
33	570000 570000	7450000 7444000		X								X					X	Beach or scarp
34	578000 579000 580500 581500	7457000 7451000 7446500 7441000		X								X					X	Beach or scarp
35	590000 591000	7455000 7453000	X								X						X	Beach or scarp
36	610000 611000	7457000 7452000		X								X					X	Beach or scarp
37	618500 618500	7461000 7456500	X								X						X	Beach or scarp
38	623000 624000	7455000 7452000	X								X						X	
39	548000 548000 548000	7444000 7438000 7433000		X								X					X	Beach or scarp
40	558000 559000 560000	7444000 7439000 7434000	X	X							X	X					X	
41	610000 611000	7449000 7444000		X								X					X	Beach or scarp
42	613000 614000	7438000 7434500		X								X					X	Beach or scarp

# **FIGURES**



### KEY MAP SHOWING STUDY AREA

J.D. Mollard and Associates Limited  
August, 1994



MAP 75 M, DISTRICT OF MACKENZIE, NWT, CANADA  
PRODUCED FOR THE CANADA ENERGY, MINES AND RESOURCES  
BUREAU D'ÉNERGIE, MINES ET DES RÉSOURCES DU CANADA  
BY THE CANADA MAP OFFICE, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA,  
ON YOUR BEHALF BY J.D. MOLLARD AND ASSOCIATES LIMITED.

**MACKAY LAKE**  
DISTRICT OF MACKENZIE  
NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

Scale 1:250,000 Echelle  
1:250 000

CONVERSION SCALE FOR ELEVATIONS  
ÉCHELLE DE CONVERSION DES ALTITUDES

Metres	Feet	Metres	Feet
0	0	100	328
100	328	200	656
200	656	300	984
300	984	400	1312
400	1312	500	1640
500	1640	600	1968
600	1968	700	2296
700	2296	800	2624
800	2624	900	2952
900	2952	1000	3280

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© 1990 BUREAU D'ÉNERGIE, MINES ET DES RÉSOURCES DU CANADA

TABLE I  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	NTS 75 M		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE	
	UTM GRID	EASTING				
PROSPECT	UTM GRID	EASTING	NORTHING	GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
1	455000	7089000	X	Plain	X	X
2	452000	7079500	X	Plain	X	X
3	471000	7095000	X	Plain	X	X
4	469000	7085000	X	Plain	X	X
5	500000	7092000	X	Plain	X	X
6	516000	7078000	X	Plain	X	X
7	521000	7081000	X	Plain	X	X
8	522000	7092500	X	Plain	X	X
9	538000	7094000	X	Plain	X	X
10	545000	7094000	X	Plain	X	X
11	538000	7084500	X	Plain	X	X
12	456000	7062000	X	Plain	X	X
13	459000	7058500	X	Plain	X	X
14	454000	7049500	X	Plain	X	X
15	469000	7066000	X	Plain	X	X
16	462000	7060000	X	Plain	X	X
17	483000	7068000	X	Plain	X	X
18	480000	7055000	X	Plain	X	X
19	492000	7052000	X	Plain	X	X
20	503000	7065000	X	Plain	X	X
21	454000	7028000	X	Plain	X	X
22	460000	7026000	X	Plain	X	X
23	470500	7028000	X	Plain	X	X
24	484000	7036000	X	Plain	X	X
25	500000	7044000	X	Plain	X	X
26	517000	7047500	X	Plain	X	X
27	524000	7049000	X	Plain	X	X
28	539000	7052300	X	Plain	X	X
29	498000	7033000	X	Plain	X	X
30	517000	7037500	X	Plain	X	X
31	533000	7039500	X	Plain	X	X
32	540000	7043000	X	Plain	X	X
33	451000	7015000	X	Plain	X	X
34	453000	7002500	X	Plain	X	X
35	467000	7009000	X	Plain	X	X
36	471000	7011000	X	Plain	X	X
37	475000	7012000	X	Plain	X	X
38	488000	7021500	X	Plain	X	X
39	493000	7016500	X	Plain	X	X
40	502000	7023000	X	Plain	X	X
41	502000	7018000	X	Plain	X	X
42	537000	7020500	X	Plain	X	X
43	452000	6985000	X	Plain	X	X
44	466000	6995000	X	Plain	X	X
45	485000	6994000	X	Plain	X	X
46	495000	7002000	X	Plain	X	X
47	500000	6990000	X	Plain	X	X
48	508000	7000000	X	Plain	X	X
49	514500	6992500	X	Plain	X	X
50	534000	7006000	X	Plain	X	X

50	51	52	53
51	52	53	54
52	53	54	55

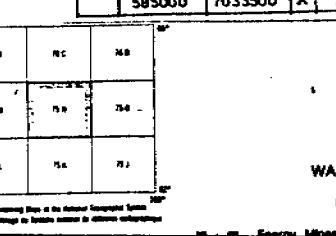
MACKAY LAKE  
75 M  
EDITION 4

J. D. Mollard and Associates Limited  
August, 1994

FIGURE 1

TABLE 2  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	550000	7094000	Elk	Hill	X
	555000	7094000	Kore	Ridge	
2	552000	7088000	Oulash	Plain	X
	558000	7088000	Gull	Bench	
3	550000	7078500	Terrace	Small	
	555000	7078500	Cone	Medium	
4	561000	7081000	Orion	Large	
	565000	7081500	Talus		
5	578000	7085500	Delta		
	581000	7085500	Cone		
6	586000	7092500	Talus		
	589000	7091500	Ridge		
7	600500	7079000	Hill		
	603000	7079000	Plain		
8	606000	7096500	Plain		
	609000	7096500	Slope		
9	618000	7093000	Bench		
	622000	7091500	Small		
10	618000	7080000	Hill		
	621000	7083000	Plain		
11	631000	7087500	Slope		
	634000	7086500	Bench		
12	644000	7087000	Small		
	647000	7087000	Hill		
13	638000	7075500	Plain		
	643000	7078000	Slope		
14	621000	707000	Bench		
	628000	7071500	Small		
15	634000	7072500	Hill		
	639000	7072500	Plain		
16	641000	7071500	Slope		
	647000	7072000	Bench		
17	554000	7048500	Small		
	559000	7051500	Hill		
18	562000	7053000	Plain		
	566000	7058000	Slope		
	570000	7063500	Bench		
19	575000	7068000	Small		
	581000	7067000	Hill		
	587500	7068000	Plain		
20	575000	7060500	Slope		
	579000	7060000	Bench		
21	587000	7055000	Small		
	587500	7052500	Hill		
	590000	7051000	Plain		
22	585000	7065000	Slope		
	589500	7063000	Bench		
	593000	7059000	Small		
23	594500	7058500	Hill		
	599000	7056500	Plain		
24	595000	7057000	Slope		
	598000	7052500	Bench		
	602000	7049500	Small		
25	601000	7069000	Hill		
	608000	7067000	Plain		
26	612000	7066000	Slope		
	618000	7064500	Bench		
27	617000	7059000	Small		
	620000	7055500	Hill		
28	622000	7058000	Plain		
	622500	7054500	Slope		
	624000	7051000	Bench		
29	629000	7061500	Small		
	634000	7059500	Hill		
	639000	7059000	Plain		
30	629000	7049000	Slope		
	629500	7045500	Bench		
31	647000	7063000	Small		
	645500	7059500	Hill		
	648000	7057500	Plain		
32	552000	7032500	Slope		
	555000	7031500	Bench		
33	558000	7020000	Small		
	562000	7020500	Hill		
34	567000	7025500	Plain		
	574000	7025000	Slope		
35	570000	7035500	Bench		
	575000	7035500	Small		
36	576000	7021500	Hill		
	580000	7021000	Plain		
37	581000	7031500	Slope		
	585000	7033500	Bench		



WALMSLEY LAKE  
75 N  
EDITION 4 EDITION

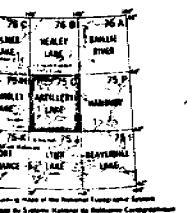
PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
38	586000	7023500	Elk	Hill	X
	589000	7022000	Kore	Plain	X
39	594000	7034000	Oulash	Slope	X
	599000	7037000	Gull	Bench	
40	594000	7024500	Terrace	Small	
	598000	7023500	Delta	Medium	
41	609000	7042500	Cone	Large	X
	611000	7041000	Talus	Hill	X
42	607000	7029000	Terrace	Plain	X
	611500	7029500	Delta	Slope	X
43	607000	7024000	Cone	Bench	X
	611000	7024000	Talus	Small	X
44	608500	7022000	Hill	Medium	X
	611000	7019000	Plain	Large	
45	632000	7043000	Slope	Small	
	636500	7039000	Bench	Medium	
46	637500	7031500	Small	Large	
	639000	7030500	Hill	Medium	X
47	634000	7016000	Plain	Large	X
	637000	7017000	Slope	Medium	X
48	642500	7017000	Bench	Small	
	646500	7015500	Small	Medium	
49	567000	7008000	Hill		
	570000	7009500	Plain		
50	576000	7011500	Slope		
	578000	7012000	Bench		
51	570000	6993500	Small		
	572000	6994500	Hill		
52	588000	7003000	Plain		
	591000	7002500	Slope		
53	601000	7003500	Bench		
	606500	7004500	Small		
54	612000	6992500	Hill		
	614000	6992000	Plain		
55	630000	7001500	Slope		
	632000	7003000	Bench		
56	634000	6991500	Small		
	638000	6993500	Hill		
57	640000	6989000	Plain		
	642500	6980500	Slope		

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August, 1994

FIGURE 2

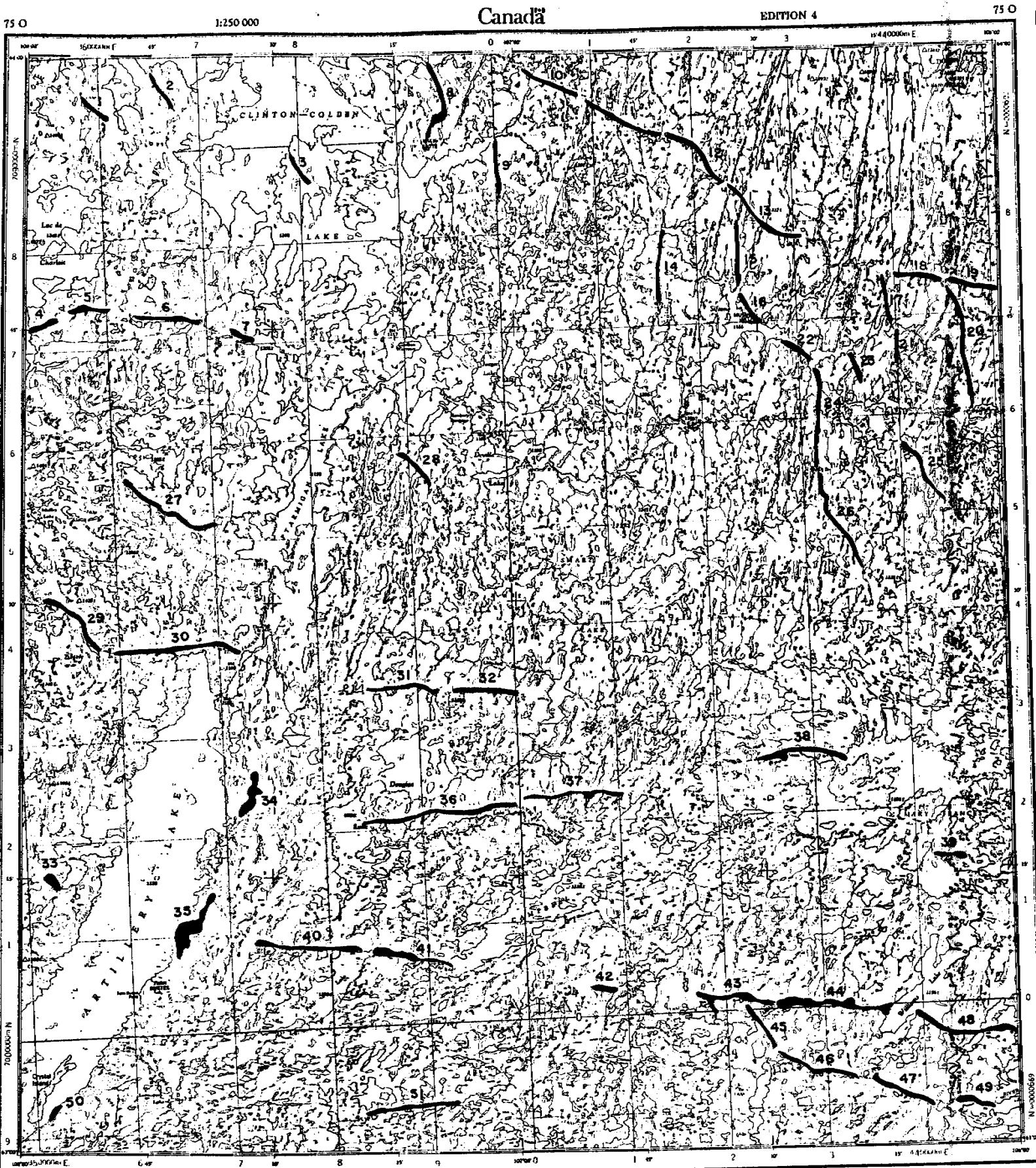
TABLE 3  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	359000	7095500	Tablet		X
2	361000	7094000	X		
3	365500	7098000	X		
4	367000	7095000	X		
5	379500	7088500	X		
6	381000	7086000	X		
7	352500	7072500	X	X	X
8	355000	7073000	X	X	X
9	356500	7074000	X	X	X
10	360000	7074000	X	X	X
11	363000	7073000	X	X	X
12	369000	7072000	X	X	X
13	372500	7071000	X	X	X
14	374500	7070500	X	X	X
15	393500	7097500	X		
16	395000	7093000	X		
17	393000	7091000	X	X	X
18	400000	7089000	X		
19	400500	7085000	X		
20	404000	7086000	X		
21	408000	7084000	X		
22	416000	7094000	X		
23	418000	7089000	X		
24	421000	7087000	X		
25	422500	7084500	X		
26	424000	7085000	X		
27	426000	7085000	X		
28	428000	7085000	X		
29	430000	7085000	X		
30	432000	7085000	X		
31	435000	7085000	X		
32	439000	7085000	X		
33	440000	7085000	X		
34	444000	7085000	X		
35	446000	7085000	X		
36	448000	7085000	X		
37	450000	7085000	X		
38	452000	7085000	X		
39	454000	7085000	X		
40	456000	7085000	X		
41	458000	7085000	X		
42	460000	7085000	X		
43	462000	7085000	X		
44	464000	7085000	X		
45	466000	7085000	X		
46	468000	7085000	X		
47	470000	7085000	X		
48	472000	7085000	X		
49	474000	7085000	X		
50	476000	7085000	X		
51	478000	7085000	X		



ARTILLERY LAKE  
75-O  
EDITION 4

Energy, Mines and  
Resources Canada Energie, Mines et  
Ressources Canada



### ARTILLERY LAKE

DISTRICT OF MACKENZIE

NORTHWEST TERRITORIES

Scale 1:250,000 Échelle

1:250 000

Canada

EDITION 4

75 O

Military series  
refer to this map as  
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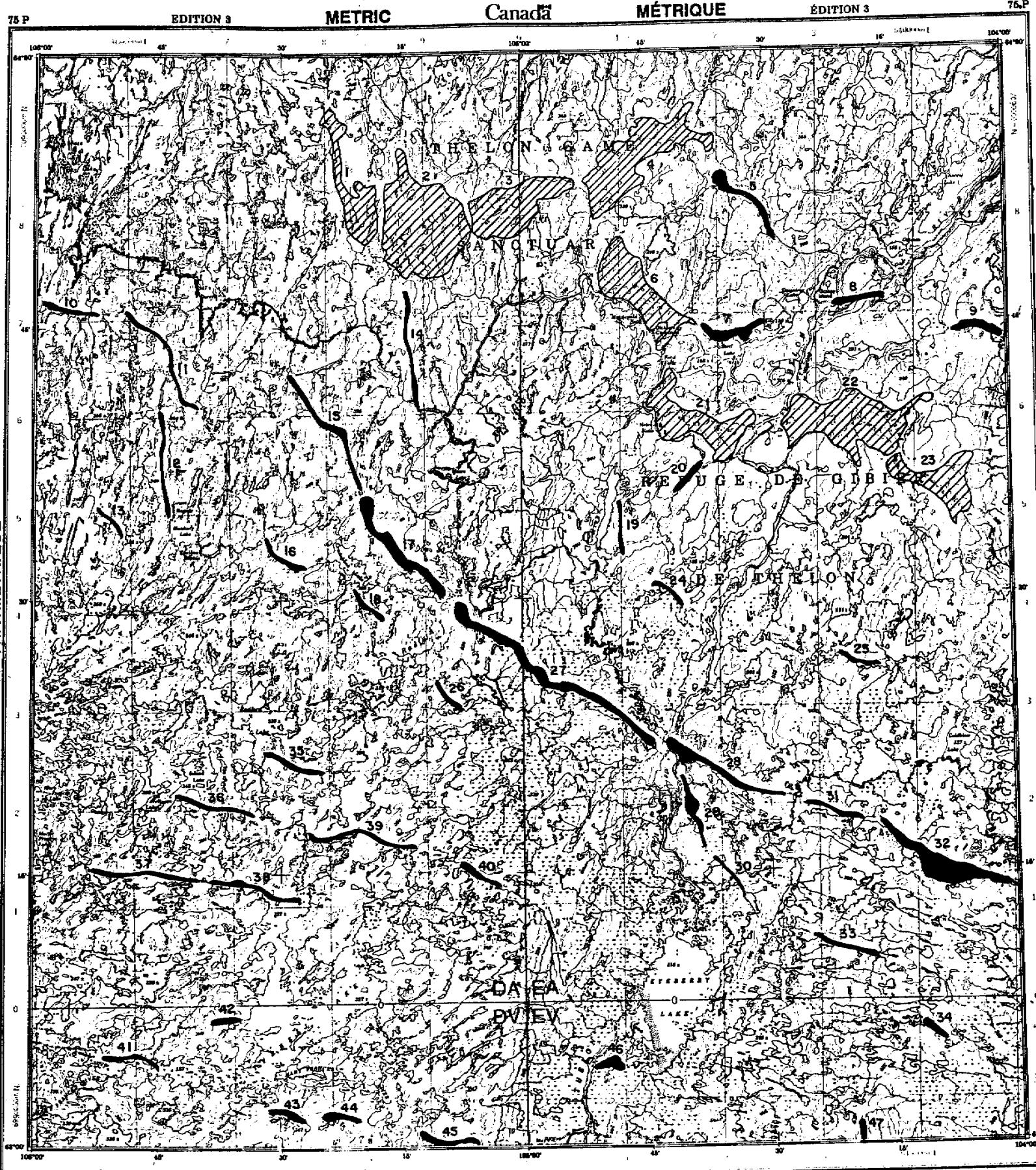
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Title: ARTILLERY LAKE  
Edition: 4  
Date: 1985  
Projection: Universal Transverse Mercator  
Coordinates: Northings and Eastings  
Scale bar: Kilometres and Miles  
Grid reference: 75-O  
Scale: 1:250,000  
Title: ARTILLERY LAKE  
Edition: 4  
Date: 1985  
Projection: Universal Transverse Mercator  
Coordinates: Northings and Eastings  
Scale bar: Kilometres and Miles  
Grid reference: 75-O

J.D. Mollard and Associates Limited  
August, 1994

FIGURE 3

TABLE 4  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	UTM GRID		GEOLOGIC LANDFORM				SURFACE TOPOGRAPHY		DEPOSIT SIZE	
	EASTING	NORTHING	End	Kame	Oulwash	Terrace	Cone or Ion	Ridge	Hill	Slope
24	513500 516000	7042500 7040000	X	Glacial	Outwash	Terrace	Cone or Ion	X		X
25	532000 536000	7035000 7034000	X	Glacial	Outwash	Terrace		X		X
26	491000 493000	7033000 7030500	X					X		X
27	493300 498000 502000 509000 513000	7040000 7037000 7033500 7030000 7026500		X				X		X
28	515000 519000 522000 526000	7026000 7024000 7022000 7021000		X				X		X
29	516000 517000 518000	7023000 7019000 7016000	X	X				X	X	
30	520000 522000	7014000 7011000	X					X		X
31	529000 533500	7020000 7018500			X			X		X
32	537000 541000 545000 548000	7017500 7014000 7013000 7012000					X			X
33	530000 535000	7006000 7005000	X					X		X
34	540500 542500	6997500 6996000	X					X		X
35	474000 479000	7025500 7024000	X					X		X
36	465000 471000	7025000 7020000	X					X		X
37	456000 461000 466000	7014000 7014000 7013000	X					X		X
38	468000 472000 476000	7013000 7012000 7011000	X					X		X
39	478000 483000 488000	7017000 7017500 7016000	X					X		X
40	494000 497000	7014000 7012000	X					X		X
41	457000 461500	6995000 6994500	X					X		X
42	468000 470000	6998500 6999000	X					X		X
43	474000 477000	6989500 6988500	X					X		X
44	480000 482000	6989000 6988500	X	X				X	X	X
45	490000 494000	6986000 6986000	X	X				X	X	X
46	507000 509000	6984000 6994000		X				X		X
47	534C 0 534C 10	6987000 6986000	X					X		X



**HANBURY RIVER**  
DISTRICT OF MACKENZIE DISTRICT DE MACKENZIE  
**NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST**

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**HANBURY RIVER**  
DISTRICT DE MACKENZIE DISTRICT DE MACKENZIE  
NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

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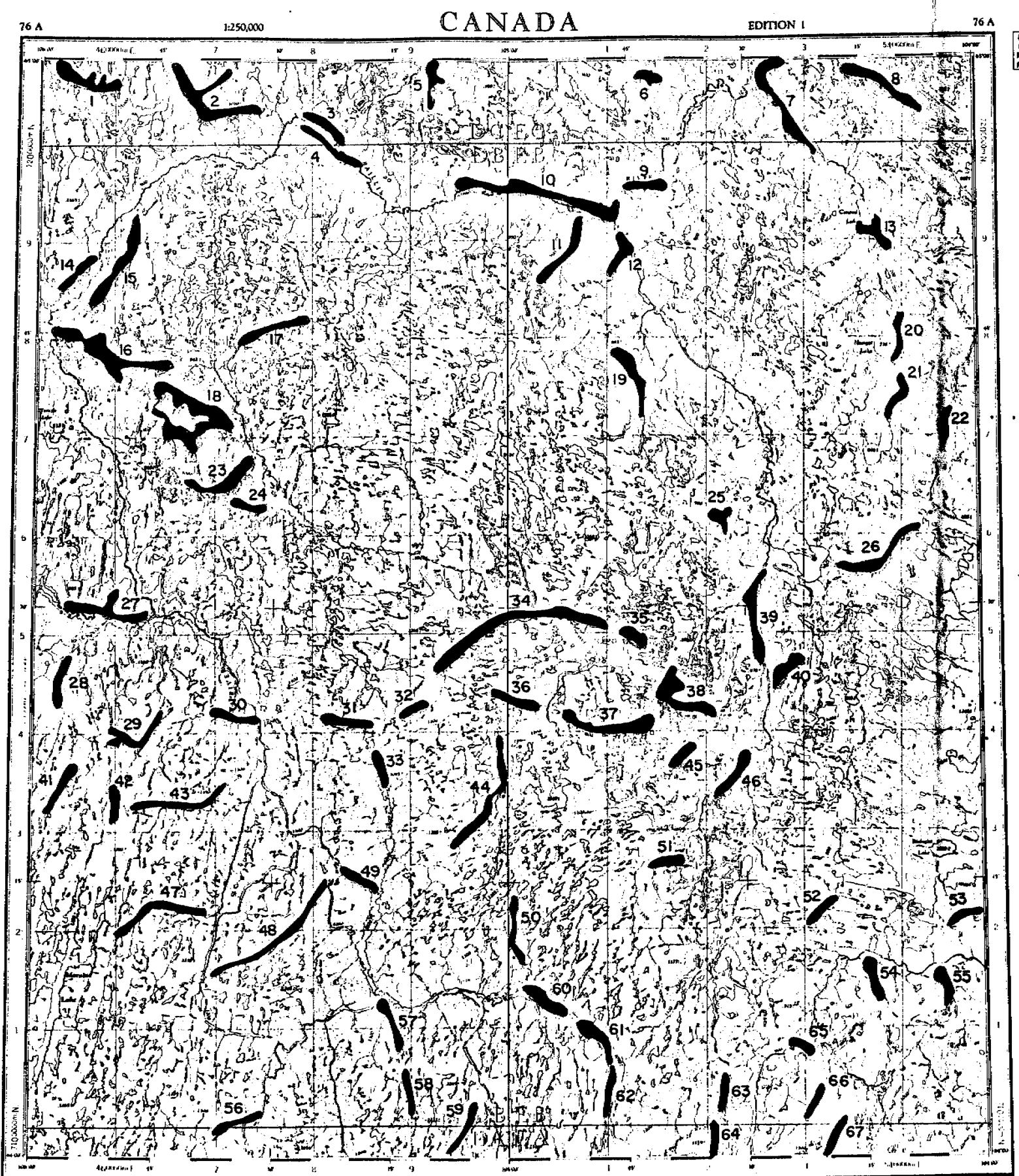
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20	40	60
80	75	60

344000 7050000

J.D. Mol

Card and Associates Limited



PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	454000	7208000	X	X	X
2	466000	7207000	X	X	X
3	473000	7203500	X	X	X
4	471000	7207000			
5	480000	7203000	X	X	X
6	484000	7201000	X	X	X
7	492000	7208000	X	X	X
8	492000	7204000	X	X	X
9	513000	7207000	X	X	X
10	515000	7206500	X	X	X
11	512000	7195500	X	X	X
12	515000	7195500			
13	507000	7192000	X	X	X
14	503000	7186500	X	X	X
15	505000	7195000	X	X	X
16	511000	7193000	X	X	X
17	510000	7187000	X	X	X
18	536000	7191000	X	X	X
19	538000	7184000	X	X	X
20	536000	7192000	X	X	X
21	538000	7187000	X	X	X
22	537000	7185000	X	X	X
23	537000	7182000	X	X	X
24	537000	7183000	X	X	X
25	537000	7184000	X	X	X
26	537000	7185000	X	X	X
27	537000	7186000	X	X	X
28	537000	7187000	X	X	X
29	537000	7188000	X	X	X
30	537000	7189000	X	X	X
31	537000	7190000	X	X	X
32	537000	7191000	X	X	X
33	537000	7192000	X	X	X
34	537000	7193000	X	X	X
35	537000	7194000	X	X	X
36	537000	7195000	X	X	X
37	537000	7196000	X	X	X
38	537000	7197000	X	X	X
39	537000	7198000	X	X	X
40	537000	7199000	X	X	X
41	537000	7200000	X	X	X
42	537000	7201000	X	X	X
43	537000	7202000	X	X	X
44	537000	7203000	X	X	X
45	537000	7204000	X	X	X
46	537000	7205000	X	X	X
47	537000	7206000	X	X	X
48	537000	7207000	X	X	X
49	537000	7208000	X	X	X
50	537000	7209000	X	X	X
51	537000	7210000	X	X	X
52	537000	7211000	X	X	X
53	537000	7212000	X	X	X
54	537000	7213000	X	X	X
55	537000	7214000	X	X	X
56	537000	7215000	X	X	X
57	537000	7216000	X	X	X
58	537000	7217000	X	X	X
59	537000	7218000	X	X	X
60	537000	7219000	X	X	X
61	537000	7220000	X	X	X
62	537000	7221000	X	X	X
63	537000	7222000	X	X	X
64	537000	7223000	X	X	X
65	537000	7224000	X	X	X
66	537000	7225000	X	X	X
67	537000	7226000	X	X	X

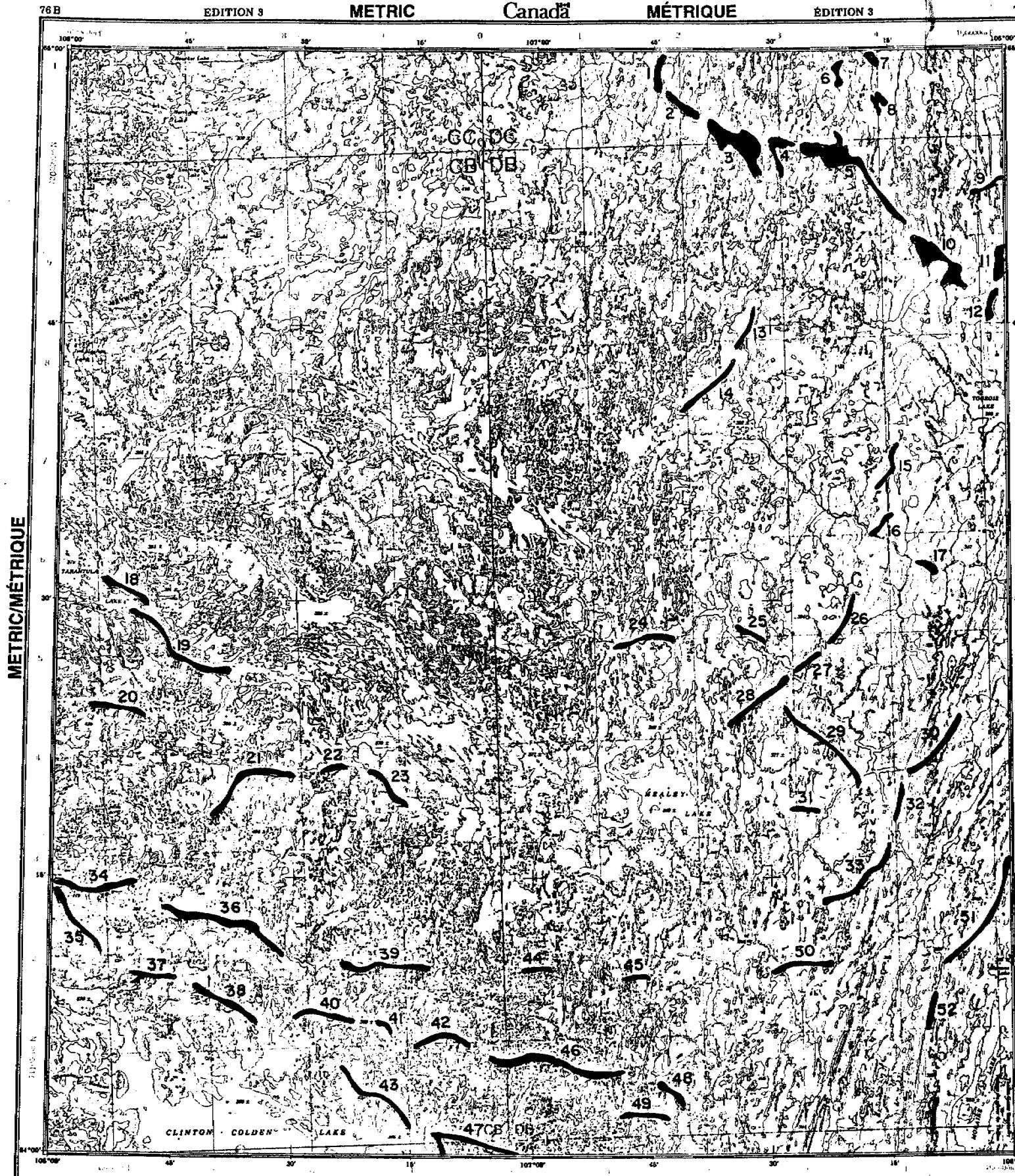


TABLE 6  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	UTM GRID		GEOLOGIC LANDFORM		SURFACE TOPOGRAPHY		DEPTH SI2
	EASTING	NORTHING	East	Kame	Oulwash	Ridge	
1	417500 418000	7206000 7209000		X	Ice Belt		X
2	419000 421000	7205000 7203000		X	Terrane		X
3	423000 427000	7202000 7196000		X	Delta		X
4	430000 433000	7200000 7197000	X		Cente of ten	Talus	
5	433000 439000 442000	7198000 7196000 7192000					X
6	436000 436000	7205000 7208000		X			X
7	439000 440000	7209000 7208000		X			X
8	440000 441000	7204000 7204000		X			X
9	450000 452000	7194500 7195500	X				X
10	444000 447000	7189000 7185000		X			X
11	452000 452000	7186000 7188000		X			X
12	451000 451000	7182000 7184000		X			X
13	425500 427000	7180000 7183000	X				X
14	420000 424000	7174000 7177000	X				X
15	439000 441000	7163000 7169000	X				X
16	438500 440000	7160000 7161500		X			X
17	443000 445000	7157000 7156000	X				X
18	361000 365000	7158000 7156000	X	X			X
19	364000 368000 373000	7154500 7150000 7148000	X				X
20	359000 364000	7145500 7144500	X				X
21	371000 374000 379000	7134000 7138000 7137500	X				X
22	362000 364000	7138000 7138000	X				X
23	387000 390000	7137500 7134500	X				X
24	412000 417000	7149500 7150000	X				X
25	425000 427000	7151000 7150000	X				X
26	434500 436000	7150000 7153000	X				X
27	430000 432000	7146500 7148000	X				X
28	423500 429000	7141500 7145500	X				X
29	429000 433000 436000	7142500 7139000 7133000	X				X
30	441500 446500	7136500 7141000	X				X
31	430000 432000	7132500 7132000	X				X
32	440000 445000	7131500 7134500	X				X
33	433000 436500 439000	7123500 7125500 7128000	X				X
34	355500 362000	7127500 7127500	X				X
35	355000 359000	7126500 7121000	X				X
36	366000 372000 377000	7125000 7123000 7120000	X				X
37	363000 366000	7118000 7117500	X				X

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August, 1994

FIGURE 6

10°			10°		
NF	76.4	76.8			
NC	76.8	76.8			
76.8	76.8	76.8			
10°					

**HEALEY LAKE**  
DISTRICT OF MACKENZIE DISTRICT DE MACKENZIE  
NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

Scale 1:250 000 Échelle 1:250 000 CONVERSION SCALE FOR ELEVATIONS  
 Miles Kilometers Feet Metres  
 0 5 10 15 20 25 30 35 Kilometres  
 0 10 20 30 40 50 60 Miles  
 0 100 200 300 400 500 600 700 800 900 1000 Feet  
 0 100 200 300 400 500 600 700 800 900 1000 Metres

**HEALEY LAKE  
768**

76 C

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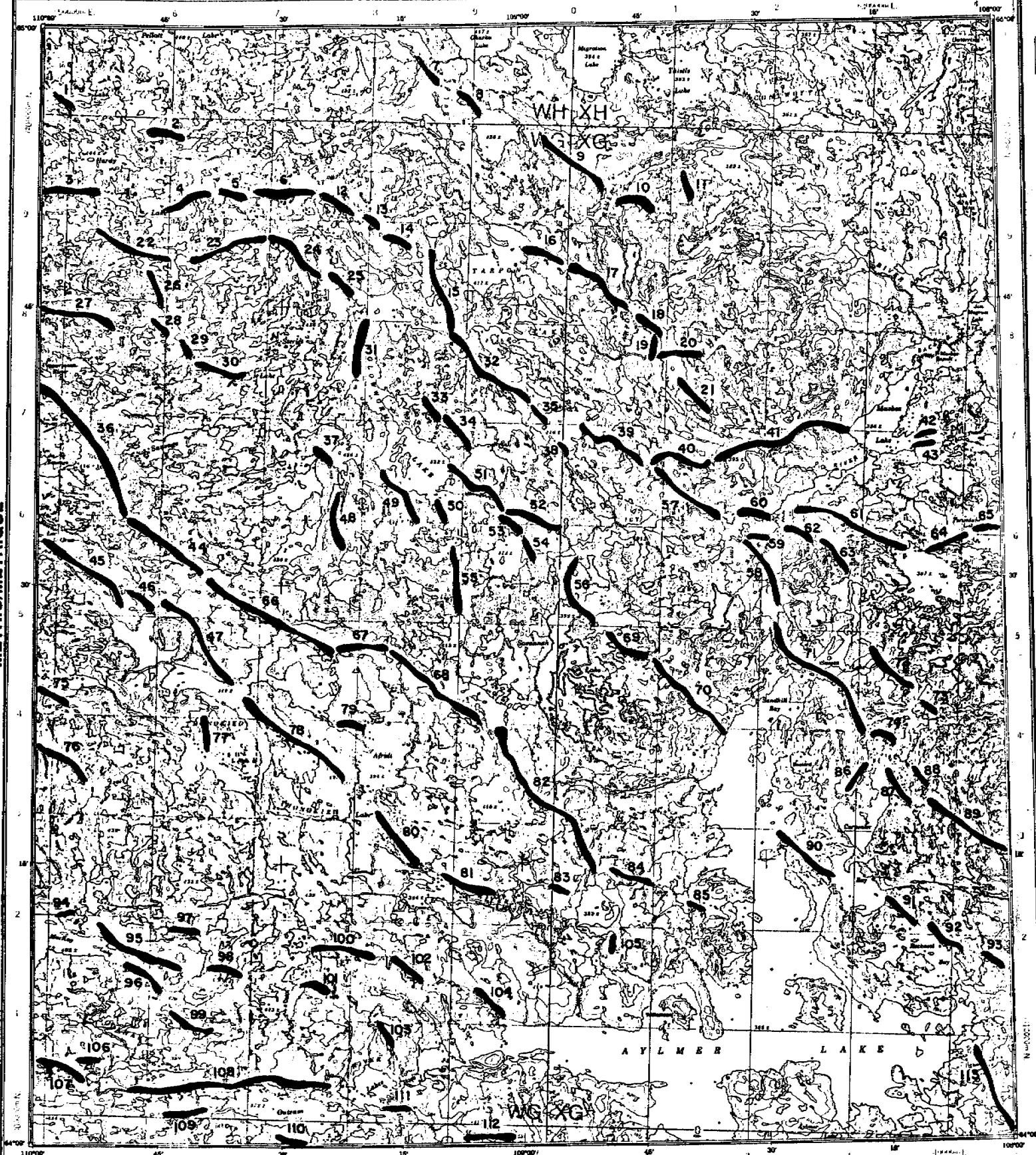
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DISTRICT OF MACKENZIE DISTRICT DE MACKENZIE  
NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

Scale 1:250,000 Échelle

CONVERSION SCALE FOR ELEVATION

SCHELLE DE CONVERSION DES ALTITUDES

100	110	120
130	140	150
100	110	120
130	140	150
100	110	120
130	140	150

AYLMER LAKE  
76 C  
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TABLE 7  
SUMMARY OF SAND AND GRAVEL PROSPECTS

## NTS 76 C ZONE I2W

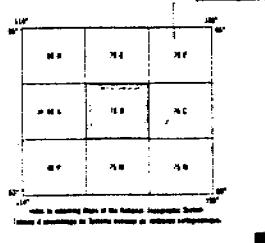
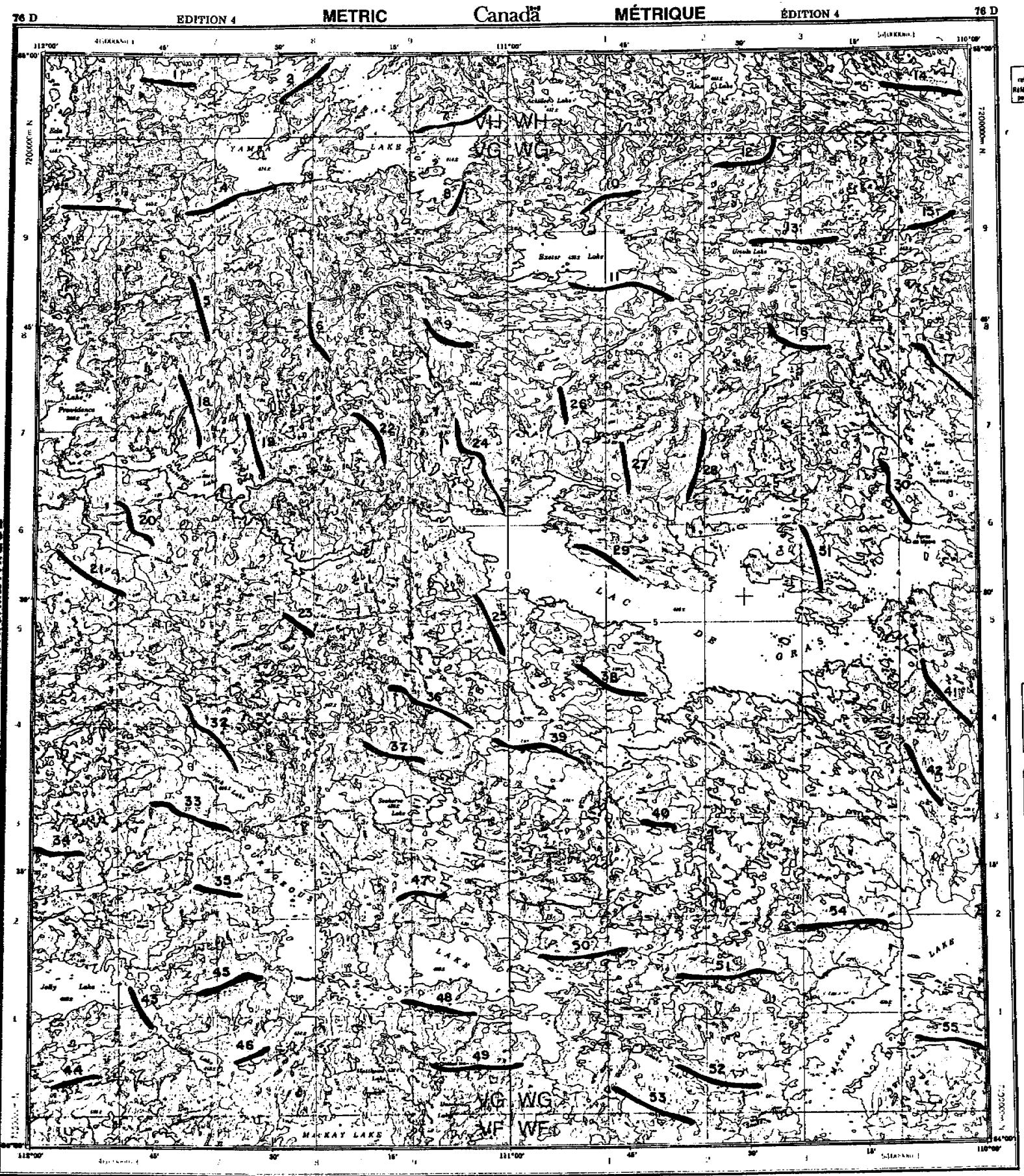
PROSPECT	UTM GRID		GEOLOGIC LANDFORM			SURFACE TOPOGRAPHY		DEPOSIT SIZE	
	EASTING	NORTHERN	East	West	North	South	Plain	Hill	Large
1	545000	7201000	X						
2	558000	7198000	X						
3	561000	7198000	X						
4	564000	7192000	X						
5	566000	7193000	X						
6	568000	7193000	X						
7	584000	7206000	X						
8	586000	7204000	X						
9	597000	7195000	X						
10	603000	7194000	X						
11	610000	7196000	X						
12	612000	7193000	X						
13	575000	7192000	X						
14	582000	7187000	X						
15	584000	7187000	X						
16	586000	7187000	X						
17	598000	7185500	X						
18	603000	7185500	X						
19	607000	7182000	X						
20	608500	7179000	X						
21	608500	7177000	X						
22	553000	7188000	X						
23	556000	7186500	X						
24	569000	7187000	X						
25	572000	7188000	X						
26	572000	7184500	X						
27	584000	7180500	X						
28	559000	7179000	X						
29	562000	7177000	X						
30	563000	7175500	X						
31	579500	7179000	X						
32	588500	7178500	X						
33	582000	7175000	X						
34	586000	7172000	X						
35	597000	7171500	X						
36	546000	7162500	X						
37	575000	7167000	X						
38	600000	7167500	X						
39	602000	7169000	X						
40	609000	7167000	X						
41	615000	7167000	X						
42	620000	7168500	X						
43	623000	7170000	X						

PROSPECT	UTM GRID		GEOLOGIC LANDFORM			SURFACE TOPOGRAPHY		DEPOSIT SIZE	
	EASTING	NORTHERN	East	West	North	South	Plain	Hill	Large
87	633000	7136000	X						
88	636000	7135000	X						
89	638000	7133000	X						
90	640000	7131500	X						
91	644000	7129000	X						
92	623000	7129000	X						
93	627000	7126000	X						
94	633000	7123500	X						
95	636000	7121000	X						
96	553000	7116000	X						
97	555000	7115000	X						
98	556000	7115000	X						
99	5563000	7110000	X						
100	5566000	7108500	X						
101	576000	7117000	X						
102	582000	7116500	X						
103	584000	7116000	X						
104	584000	7108000	X						
105	605000	7116000	X						
106	554000	7055000	X						
107	555000	7105000	X						
108	559000	7103000	X						
109	562000	7105000	X						
110	574000	7089000	X						
111	585000	7070000	X						
112	594000	7095000	X						
113	644000	7050000	X						

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August, 1994

FIGURE 7

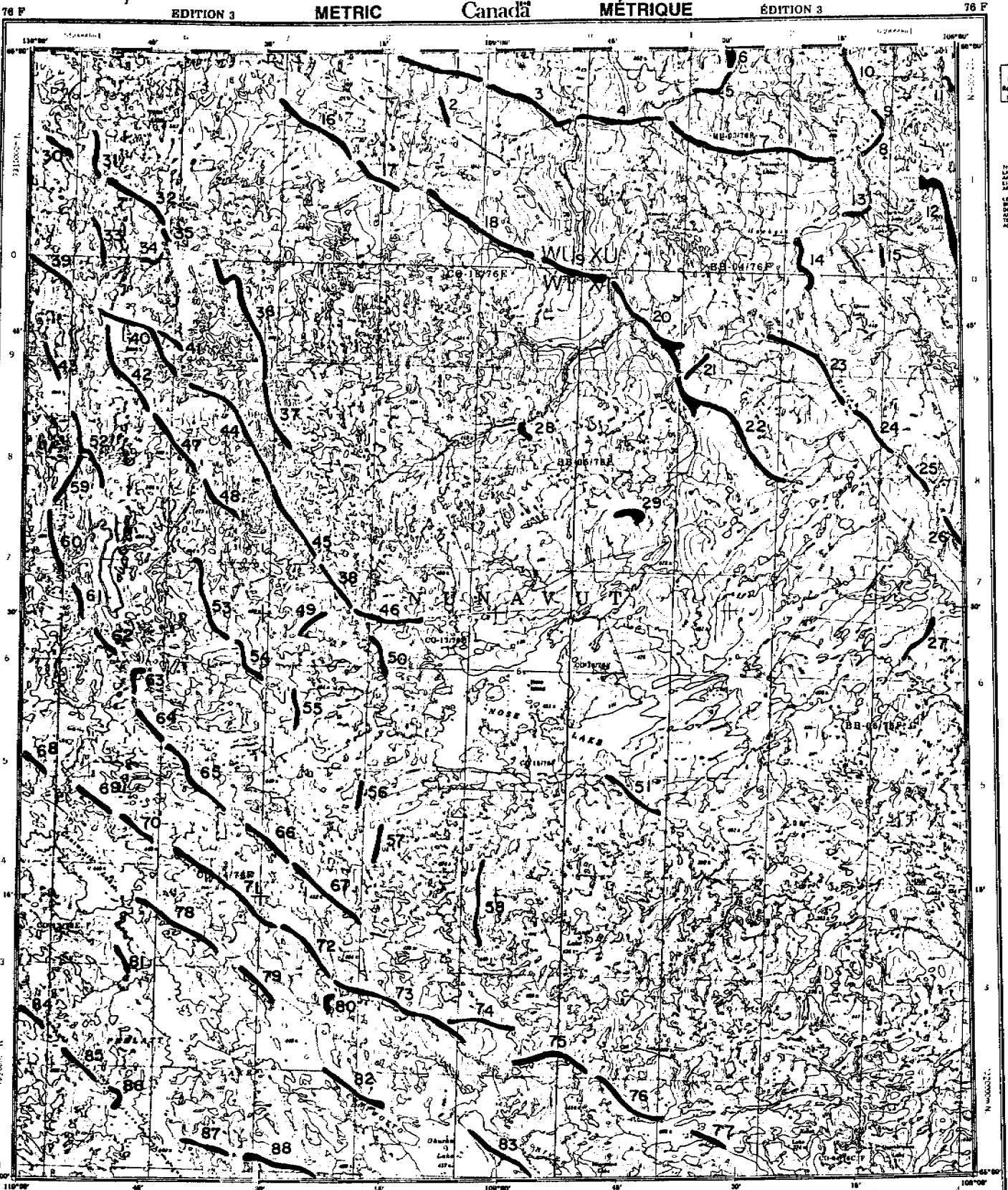
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LAC DE GRAS  
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EDITION 4 EDITION

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FIGURE 8



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NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

Scale 1:250 000 Échelle  
CONVERSION SCALE FOR ELEVATIONS  
ÉCHELLE DE CONVERSION DES ALTITUDES

Sea level	100 m	200 m
0 ft	330 ft	660 ft
328 ft	656 ft	984 ft

THE HIGHEST CONVENTIONAL LINE OF ELEVATION IS 984 FT  
LA PLUS HAUTE LIGNE CONVENTIONNELLE D'ALTITUDE EST DE 984 PI  
LES ALTITUDES SONT DONNÉES EN PIEDS  
ALTITUDES EN PIÉS

ÉTALE À PLATEAU CENTRALE CARTOGRAPHIÉE PAR LE CANADA CENTRE DE MAPPING ET DES GÉOSCIENCES  
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COMPRIS DANS LE PRIX DU DOCUMENT.

SL	M.F.	H.F.
328	656	984
328	656	984
328	656	984

TABLEAU DE CONVERSION DES ALTITUDES  
TABLEAU DE CONVERSION DES ALTITUDES  
ALTITUDES EN PIEDS  
ALTITUDES EN PIÉS

**TABLE 9**  
**SUMMARY OF SAND AND GRAVEL PROSPECTS**

PROSPECT	NTS 76 F ZONE 12W		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE				
	EASTING	NORTHING							
1	581500	7380500	Ester	Cone	Talus	Ridge	Hill	Slope	Bench
2	585000	7371000	X	Outwash	Terrace				
3	593500	7388000	X			X			
4	600000	7315000							
5	610000	7318000	X			X			
6	614000	7381000	X			X			
7	609000	7314000	X			X			
8	627000	7312000	X			X			
9	629000	7315000	X			X			
10	627000	7318000	X			X			
11	635500	7319000	X			X			
12	634000	7309000	X			X			
13	626000	7308000	X			X			
14	629500	7307000	X			X			
15	629500	7302000	X			X			
16	570000	7315000	X			X			
17	577500	7310000	X			X			
18	585000	7307000	X			X			
19	586000	7285000	X			X			
20	603000	7285000	X			X			
21	610000	7282000	X			X			
22	610000	7289500	X			X			
23	619000	7286000	X			X			
24	626000	7286000	X			X			
25	633000	7281000	X			X			
26	636300	7274000	X			X			
27	633000	7283000	X			X			
28	594500	7284000	X			X			
29	604000	7275500	X			X			
30	547000	7312000	X			X			
31	552000	7302000	X			X			
32	554000	7297000	X			X			
33	552000	7303000	X			X			
34	556000	7299500	X			X			
35	558000	7303000	X			X			
36	563500	7299000	X			X			
37	569000	7287000	X			X			
38	575000	7270000	X			X			

PROSPECT	NTS 76 F ZONE 12W		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE				
	EASTING	NORTHING							
39	546000	7299500	X			X			
40	553000	7294500	X			X			
41	559000	7282500	X			X			
42	553500	7293000	X			X			
43	547500	7291000	X			X			
44	562000	7287000	X			X			
45	570500	7277000	X			X			
46	579000	7265000	X			X			
47	559000	7283500	X			X			
48	563500	7277500	X			X			
49	573000	7263000	X			X			
50	580500	7263000	X			X			
51	605000	7249500	X			X			
52	550500	7284000	X			X			
53	563000	7269000	X			X			
54	567000	7252000	X			X			
55	573000	7257000	X			X			
56	579500	7246500	X			X			
57	581500	7244000	X			X			
58	592000	7241000	X			X			
59	591500	7243500	X			X			
60	548500	7274000	X			X			
61	551000	7287000	X			X			
62	553500	7263000	X			X			
63	537000	7259000	X			X			
64	537500	7255000	X			X			
65	581000	7255000	X			X			
66	569000	7244000	X			X			
67	574000	7240000	X			X			
68	547000	7250500	X			X			
69	553000	7247000	X			X			
70	557000	7244000	X			X			
71	562000	7241000	X			X			
72	573000	7234000	X			X			
73	578000	7228500	X			X			
74	589500	7225000	X			X			



## CANADA

EDITION 1

76H

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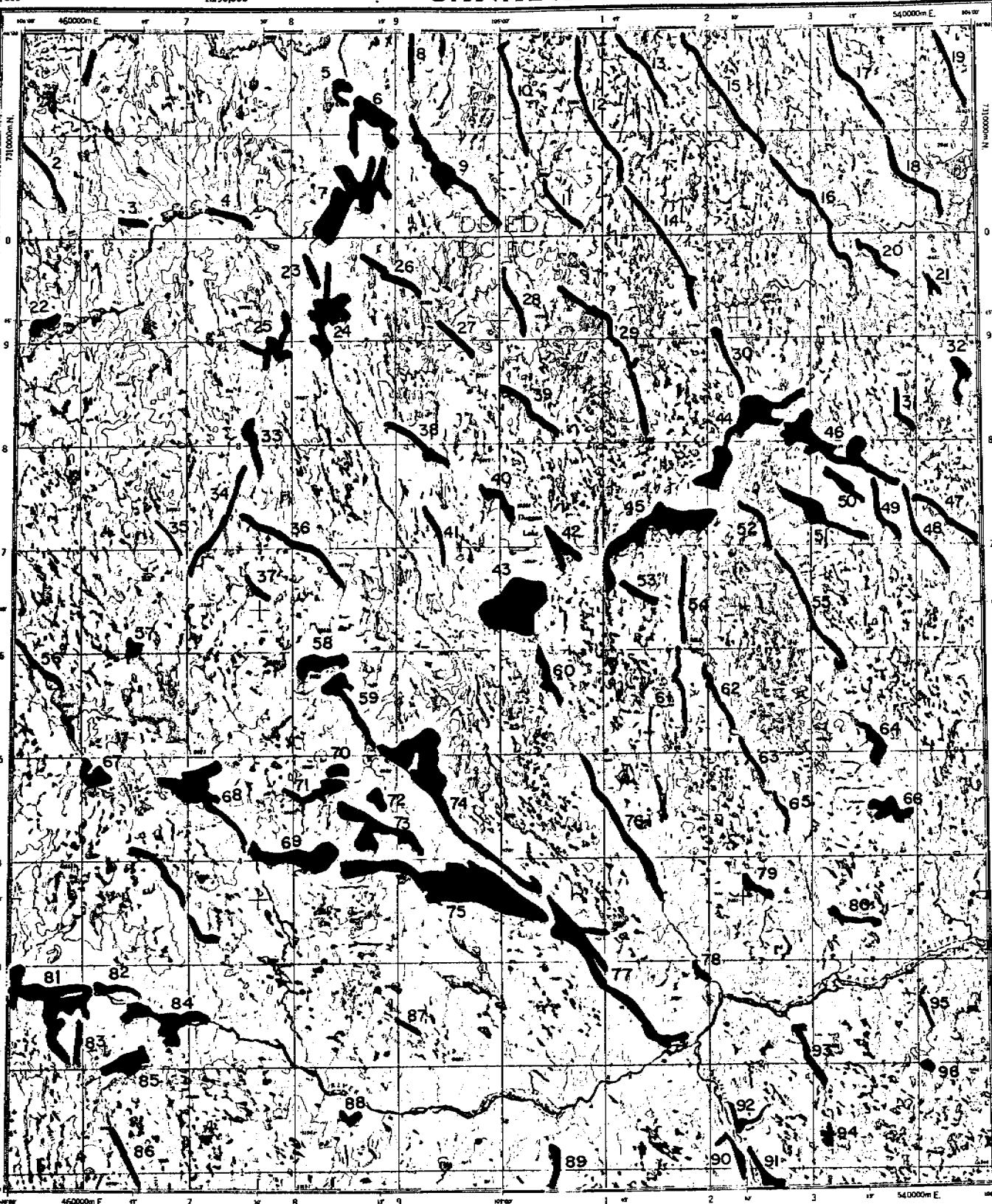
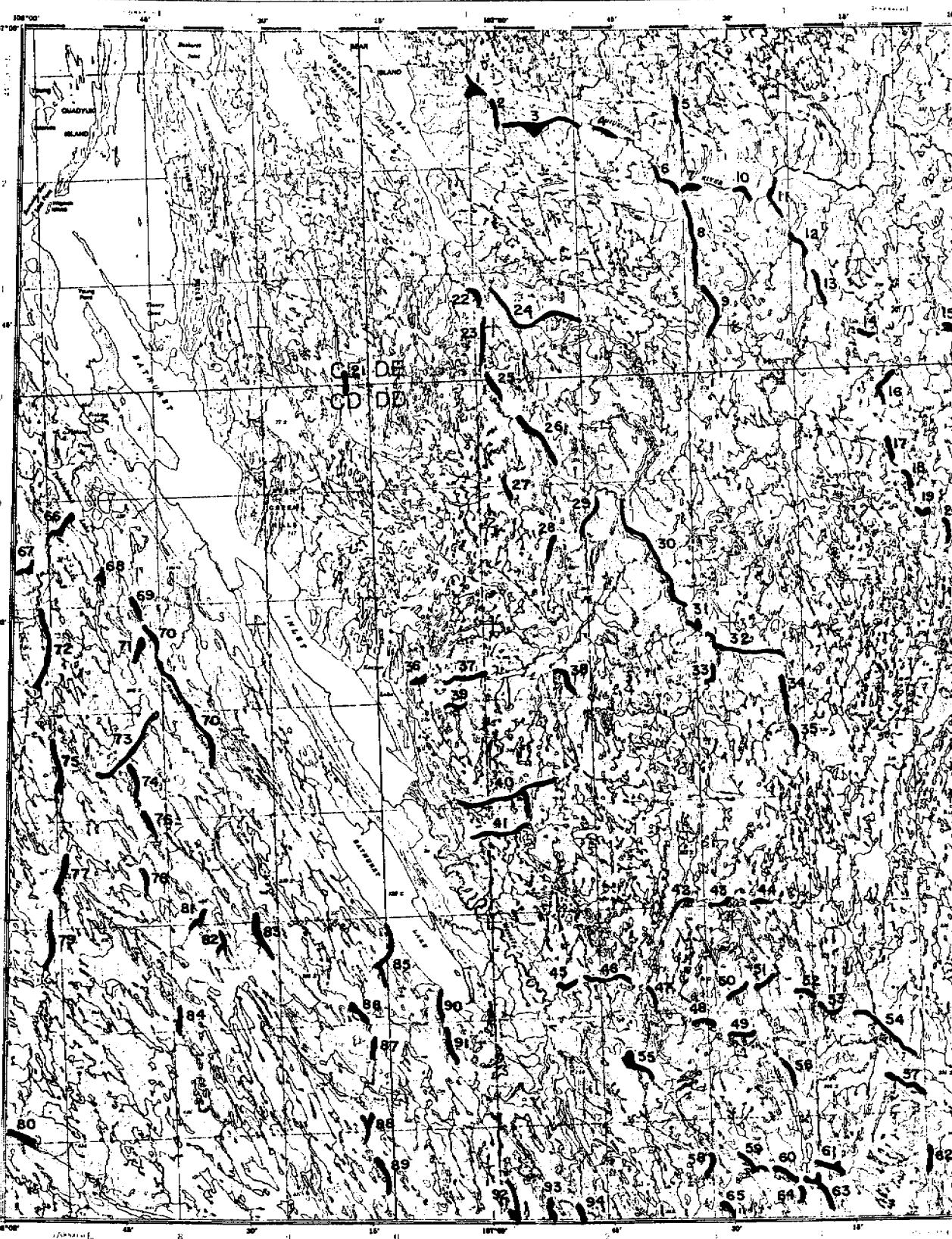


TABLE II  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	NTS 76H ZONE 13W		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	460500	7315500	Estuary		Large
	461000	7316000	Name		
			Outwash		
			Ice Sheet		
			Terrace		
			Delta		
			Cone orion		
			Ridge		
			Hill		
			Slope		
			Bench		
			Small		
			Medium		
			Large		
2	455000	7308500	X		
	456500	7307500	X		
			X		
			X		
3	464000	7301500	X		
	465000	7301500	X		
			X		
			X		
4	472000	7303000	X		
	473000	7301500	X		
			X		
			X		
5	485000	7315000	X		
	485000	7313000	X		
			X		
			X		
6	487000	7313000	X		
	489000	7311000	X		
	488000	7309000	X		
	489000	7309000	X		
7	483000	7301000	X		
	485000	7306000	X		
	487000	7303000	X		
	489000	7306000	X		
8	491500	7315500	X		
	491500	7319000	X		
			X		
			X		
9	492000	7311000	X		
	495000	7306000	X		
	499000	7302000	X		
			X		
10	500000	7318000	X		
	502000	7312000	X		
	502500	7308000	X		
			X		
11	504000	7303000	X		
	507000	7301500	X		
			X		
			X		
12	507500	7318000	X		
	508500	7313000	X		
	515000	7316000	X		
			X		
13	516000	7318000	X		
	516000	7313500	X		
			X		
			X		
14	515000	7304000	X		
	516000	7300000	X		
	518500	7293500	X		
			X		
15	518000	7318000	X		
	522000	7313000	X		
	525000	7309000	X		
			X		
16	527000	7306500	X		
	530000	7304000	X		
	533000	7297500	X		
			X		
17	532000	7319000	X		
	534000	7315000	X		
	536000	7311000	X		
			X		
18	537500	7308000	X		
	540000	7305000	X		
	542000	7302000	X		
			X		
19	542000	7319000	X		
	544500	7313000	X		
			X		
			X		
20	553500	7298500	X		
	558000	7296000	X		
			X		
			X		
21	561000	7295500	X		
	562000	7294500	X		
			X		
			X		
22	565500	7291300	X		
	567500	7292300	X		
			X		
			X		
23	481500	7298000	X		
	482000	7296000	X		
			X		
			X		
24	483500	7297000	X		
	483000	7295000	X		
	483000	7293000	X		
			X		
25	479500	7292000	X		
	476000	7289500	X		
	479000	7288500	X		
			X		
26	487000	7298000	X		
	492000	7295000	X		
			X		
			X		
27	494500	7291500	X		
	487000	7289500	X		
	479500	7288500	X		
			X		
28	500500	7296000	X		
	502500	7291000	X		
			X		
			X		
29	507000	7294000	X		
	512500	7287000	X		
	514000	7281000	X		
			X		
30	521000	7290000	X		
	523500	7285500	X		
			X		
			X		
31	538000	7284500	X		
	539000	7282000	X		
			X		
			X		
32	544000	7287000	X		
	544000	7284000	X		
			X		
			X		
33	479500	7282000	X		
	475500	7278500	X		
			X		
			X		
34	475000	7277000	X		
	475300	7273000	X		
	470500	7268000	X		





**TINNEY HILLS**  
DISTRICT OF MACKENZIE DISTRICT DE MACKENZIE  
NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

Scale 1:250,000 Échelle  
1:250 000  
CONVERSION SCALE FOR ELEVATIONS  
Conversion des altitudes

ELEVATION IN METRES  
ALTITUDE EN MÈTRES  
ELEVATION EN MÈTRES  
ALTITUDE EN MÈTRES

ECHALE DE CONVERSION DES ALTITUDES  
CONVERSION SCALE FOR ELEVATIONS  
Conversion des altitudes  
ALTITUDE EN MÈTRES  
ELEVATION EN MÈTRES

TINNEY HILLS  
76J  
EDITION 2

Energy, Mines and  
Resources Canada  
Énergie, Mines et  
Ressources Canada

TABLE 13  
SUMMARY OF SAND AND GRAVEL PROSPECTS

NTS 76 J ZONE 13W

PROSPECT	UTM GRID		GEOLOGIC LANDFORM		SURFACE TOPOGRAPHY		DEPOSIT SIZE					
	EASTING	NORTHING	Flat	Kame	Oxbow	Ridge	Hill	Plain	Stony	Small	Medium	Large
1	410500	7428000	X	X								X
1	411000	7427000	X	X			X	X				
2	412500	7426000	X				X					X
2	413000	7424000										
3	414000	7424000	X	X			X	X				X
3	417000	7424000										
4	422000	7423500	X				X	X				
4	423500	7422500	X									
5	429500	7426000	X				X	X				
5	429500	7424000										
6	427500	7419000	X				X	X				
6	429000	7417500	X									
7	430000	7417000	X				X	X				
7	431500	7417500	X									
8	430000	7416000	X				X	X				
8	430500	7413000	X									
9	431000	7410000	X				X	X				
9	432000	7407000	X				X	X				
10	433500	7417000	X				X	X				
10	436000	7416000	X									
11	438500	7417500	X				X	X				
11	438500	7415500	X									
12	440000	7412500	X				X	X				
12	441000	7411000	X									
13	442000	7408000	X				X	X				
13	443500	7406000	X									
14	446000	7405500	X				X	X				
14	447000	7403000	X									
15	448500	7403500	X				X	X				
15	449500	7403000	X									
16	448500	7398000	X				X	X				
16	448500	7397000	X									
17	448500	7393000	X				X	X				
17	448500	7391500	X									
18	450000	7390000	X				X	X				
18	450500	7388500	X									
19	451000	7386000	X				X	X				
19	452000	7385000	X									
20	453500	7385000	X				X	X				
20	453500	7383500	X									
21	458000	7401000	X				X	X				
21	4598000	7400000	X									
22	461000	7408000	X				X	X				
22	4610500	7407000	X									
23	461000	7405500	X				X	X				
23	4610500	7402000	X									
24	461200	7408000	X				X	X				
24	461500	7405000	X									
25	461000	7406000	X				X	X				
25	461200	7399000	X									
26	461400	7396000	X				X					
26	461500	7393000	X									
27	462500	7390500	X				X	X				
27	463000	7389000	X									
28	467000	7385000	X				X	X				
28	468500	7383500	X									
29	472000	7386500	X				X	X				
29	472100	7388000	X									
30	473500	7386000	X				X	X				
30	474000	7385500	X									
31	478500	7376500	X				X	X				
31	479500	7376300	X									
32	481500	7375000	X				X	X				
32	483000	7373500	X									
33	483500	7372500	X				X	X				
33	483500	7371000	X									
34	488000	7371000	X				X	X				
34	488000	7368000	X									
35	489000	7366000	X				X	X				
35	489000	7365000	X									
36	493000	7372000	X				X	X				
36	494000	7372000	X									
37	497000	7372000	X				X	X				
37	498000	7372500	X									
38	497000	7372500	X				X	X				
38	498000	7371000	X									
39	506000	7369500	X				X	X				
39	508000	7369500	X									
40	517000	7372500	X				X	X				
40	517000	7372000	X									
41	527000	7370000	X				X	X				
41	527000	7368500	X									
42	537000	7370000	X				X	X				
42	537000	7368500	X									
43	547000	7370000	X				X	X				



METRIC/MÉTRIQUE

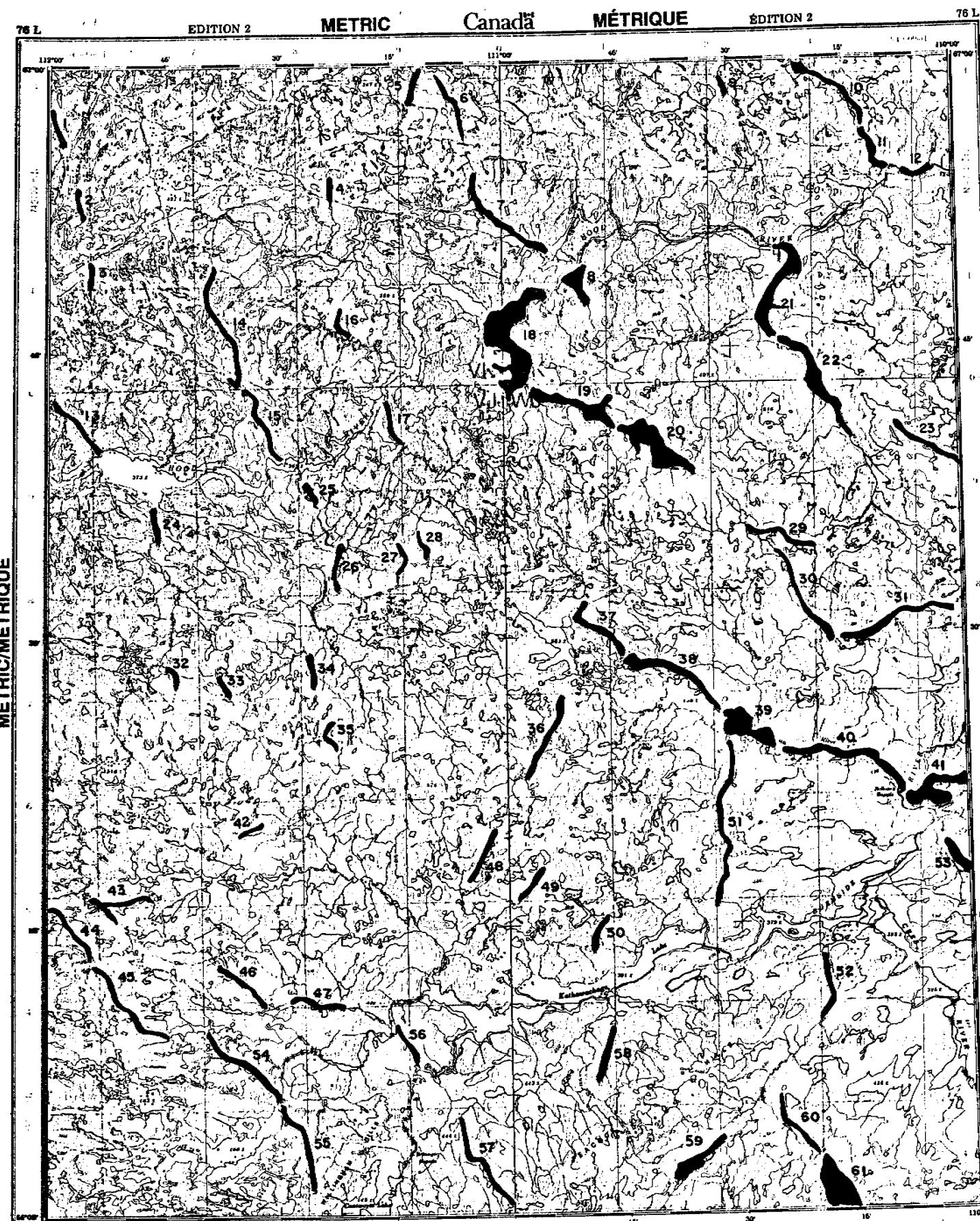
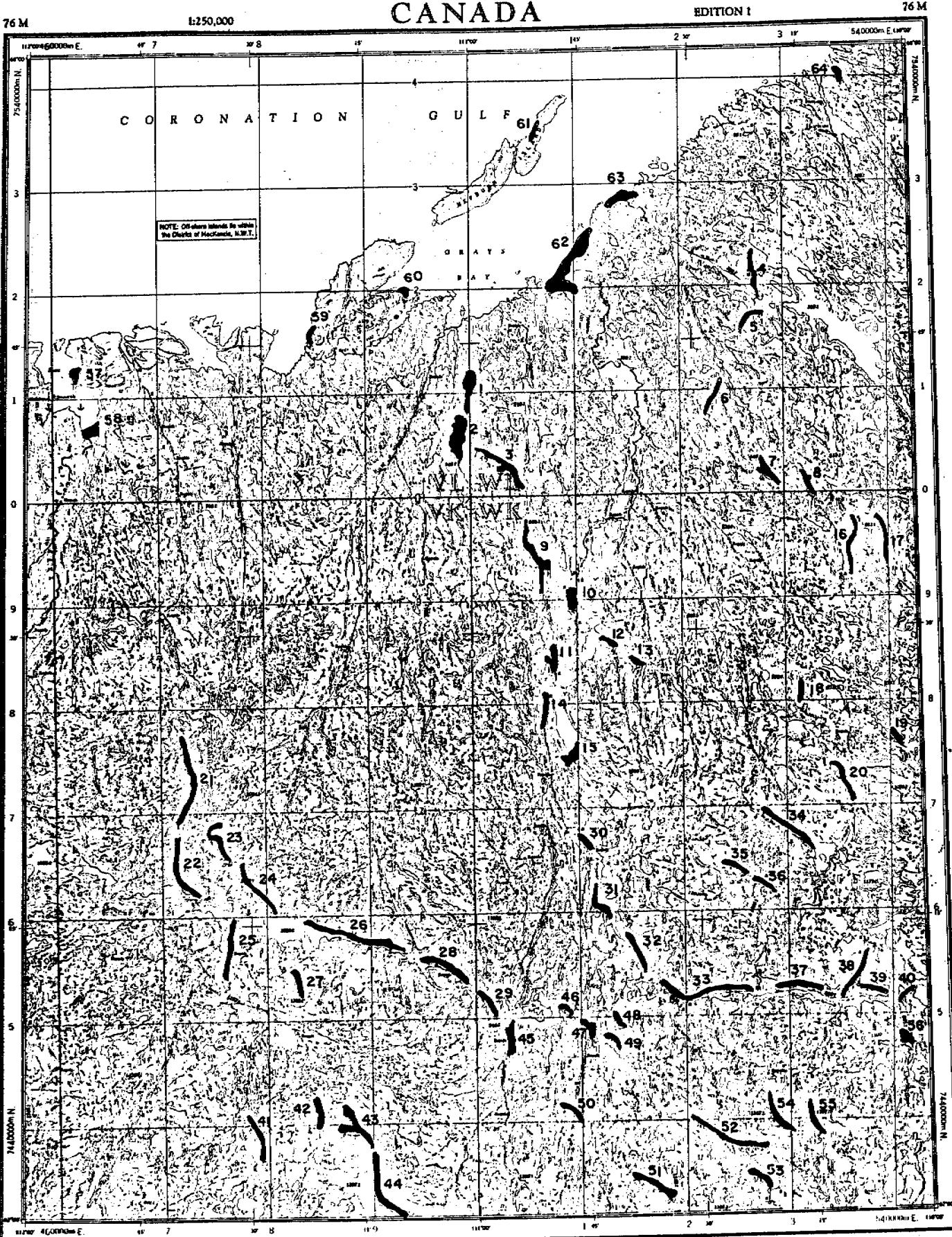


TABLE 15  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	456000	7427000	Flood plain	Hill	Small
	457000	7425000	X	Plain	Large
2	458500	7419000	X	Plain	Medium
	459000	7417000	X	Hill	Medium
3	460000	7412000	X	Plain	Medium
	460000	7410000	X	Hill	Medium
4	483000	7420000	X	Plain	Medium
	483000	7419000	X	Hill	Medium
5	491500	7430000	X	Plain	Medium
	491000	7428000	X	Hill	Medium
6	494000	7430000	X	Plain	Medium
	496000	7426000	X	Hill	Medium
7	497000	7420000	X	Plain	Medium
	500000	7415500	X	Hill	Medium
	503000	7413500	X	Plain	Medium
8	507000	7411000	X	Plain	Medium
	508000	7408000	X	Hill	Medium
9	521000	7430000	X	Plain	Medium
	521500	7428500	X	Hill	Medium
10	530000	7430000	X	Plain	Medium
	533000	7428000	X	Hill	Medium
	534500	7426000	X	Plain	Medium
11	535000	7424000	X	Plain	Medium
	536000	7421000	X	Hill	Medium
12	539000	7420000	X	Plain	Medium
	541000	7420500	X	Hill	Medium
13	456000	7399000	X	Plain	Medium
	460000	7394500	X	Hill	Medium
14	471000	7410500	X	Plain	Medium
	472000	7410500	X	Hill	Medium
	474000	7402000	X	Plain	Medium
15	475000	7399500	X	Plain	Medium
	477000	7394000	X	Hill	Medium
16	484000	7407000	X	Plain	Medium
	484500	7405000	X	Hill	Medium
17	488300	7398000	X	Plain	Medium
	489000	7395000	X	Hill	Medium
18	503000	7408500	X	Plain	Medium
	503000	7406500	X	Hill	Medium
	499000	7405000	X	Plain	Medium
	502000	7402000	X	Hill	Medium
	505000	7399500	X	Plain	Medium
19	503000	7399000	X	Plain	Medium
	506500	7398000	X	Hill	Medium
	509000	7397000	X	Plain	Medium
20	512000	7395000	X	Plain	Medium
	514500	7393500	X	Hill	Medium
	517000	7392000	X	Plain	Medium
21	528000	7412000	X	Plain	Medium
	526000	7409000	X	Hill	Medium
	525000	7406000	X	Plain	Medium
22	527000	7403500	X	Plain	Medium
	530000	7400000	X	Hill	Medium
	532000	7396000	X	Plain	Medium
23	538000	7395000	X	Plain	Medium
	541000	7393600	X	Hill	Medium
	543000	7392500	X	Plain	Medium
24	465300	7388000	X	Plain	Medium
	466000	7386000	X	Hill	Medium
25	480500	7390500	X	Plain	Medium
	481500	7389000	X	Hill	Medium
26	484000	7384000	X	Plain	Medium
	485300	7381000	X	Hill	Medium
27	490000	7384000	X	Plain	Medium
	490000	7382000	X	Hill	Medium
28	491500	7385000	X	Plain	Medium
	492000	7384000	X	Hill	Medium
29	524000	7385500	X	Plain	Medium
	525000	7384500	X	Hill	Medium
30	527000	7383000	X	Plain	Medium
	528500	7378000	X	Hill	Medium
	531000	7376000	X	Plain	Medium
31	534000	7375000	X	Plain	Medium
	538000	7377500	X	Hill	Medium
	542000	7378000	X	Plain	Medium
32	467000	7373000	X	Plain	Medium
	467500	7372000	X	Hill	Medium
33	472000	7372000	X	Plain	Medium
	473000	7370500	X	Hill	Medium
34	481000	7374000	X	Plain	Medium
	481000	7371500	X	Hill	Medium
35	482500	7367500	X	Plain	Medium
	483000	7365500	X	Hill	Medium
36	505000	7369000	X	Plain	Medium
	503500	7366000	X	Hill	Medium
	502000	7363000	X	Plain	Medium
37	507000	7379000	X	Plain	Medium
	509000	7376000	X	Hill	Medium
	511000	7374500	X	Plain	Medium

TABLE 16  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	NTS 76 M		ZONE 12W		SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING	UTM GRID	GEOLOGIC LANDFORM		
1	500000	7512000		Kame		X
1	500000	7509000		Outwash		
2	499000	7507000		Terrace		X
2	498500	7504500		Glacier		X
3	501500	7504000	X	Glacier	X	X
3	504500	7501000	X	Ridge	X	
4	527000	7523000		Talus		X
4	527000	7519000	X	Hill		
5	526000	7516500		Plain		X
5	527500	7517500	X	Slope		
6	523500	7510500		Bench		X
6	522000	7508000	X	Small		
7	527500	7503000		Medium		
7	529000	7501000	X	Large		
8	531500	7501500				
8	532000	7500000	X			
9	505000	7497000	X			
9	506500	7492000	X			
10	509500	7491000				
10	509500	7490000	X			
11	507500	7485500				
11	507500	7484000	X			
12	512500	7486500	X			
12	514500	7486000	X			
13	515000	7484500				
13	516000	7484000	X			
14	507000	7481000				
14	507500	7478000	X			
15	509000	7474500				
15	510000	7476000	X			
16	536500	7497000				
16	536000	7493000	X			
17	539000	7497500				
17	539500	7494000	X			
18	531200	7482000				
18	531200	7480000	X			
19	540000	7477000				
19	541000	7476000	X			
20	535000	7473500				
20	536000	7471000	X			
21	472000	7477000				
21	473000	7473500				
21	471500	7470000	X			
22	471000	7467000				
22	471000	7464000				
22	473000	7462500	X			
23	475000	7469000				
23	475000	7468000				
23	476000	7468000	X			
24	477500	7464500				
24	480000	7462000	X			
25	476500	7459000				
25	476000	7455000	X			
26	484000	7459500				
26	488000	7458000				
26	492000	7457000	X			
27	482500	7454500				
27	483000	7453000	X			
28	495000	7455500				
28	498500	7454000	X			
29	500000	7452500				
29	501500	7451000	X			
30	510000	7467500				
30	511000	7466500	I			
31	511000	7462000				
31	512500	7460000	X			
32	514500	7457500				
32	516000	7455000	X			
33	518000	7453000				
33	522000	7452500				
33	526000	7452500	X			
34	528000	7469500				
34	532000	7466000	X			
35	524000	7465000				
35	526000	7464000	X			
36	527000	7463000				
36	528000	7462500	X			
37	529000	7453000				
37	532000	7453000	X			
38	535000	7452000				
38	537000	7450000	X			
39	537000	7452500				
39	539000	7452000	X			



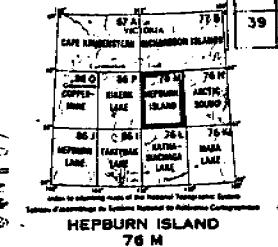
### HEPBURN ISLAND

DISTRICT OF MACKENZIE

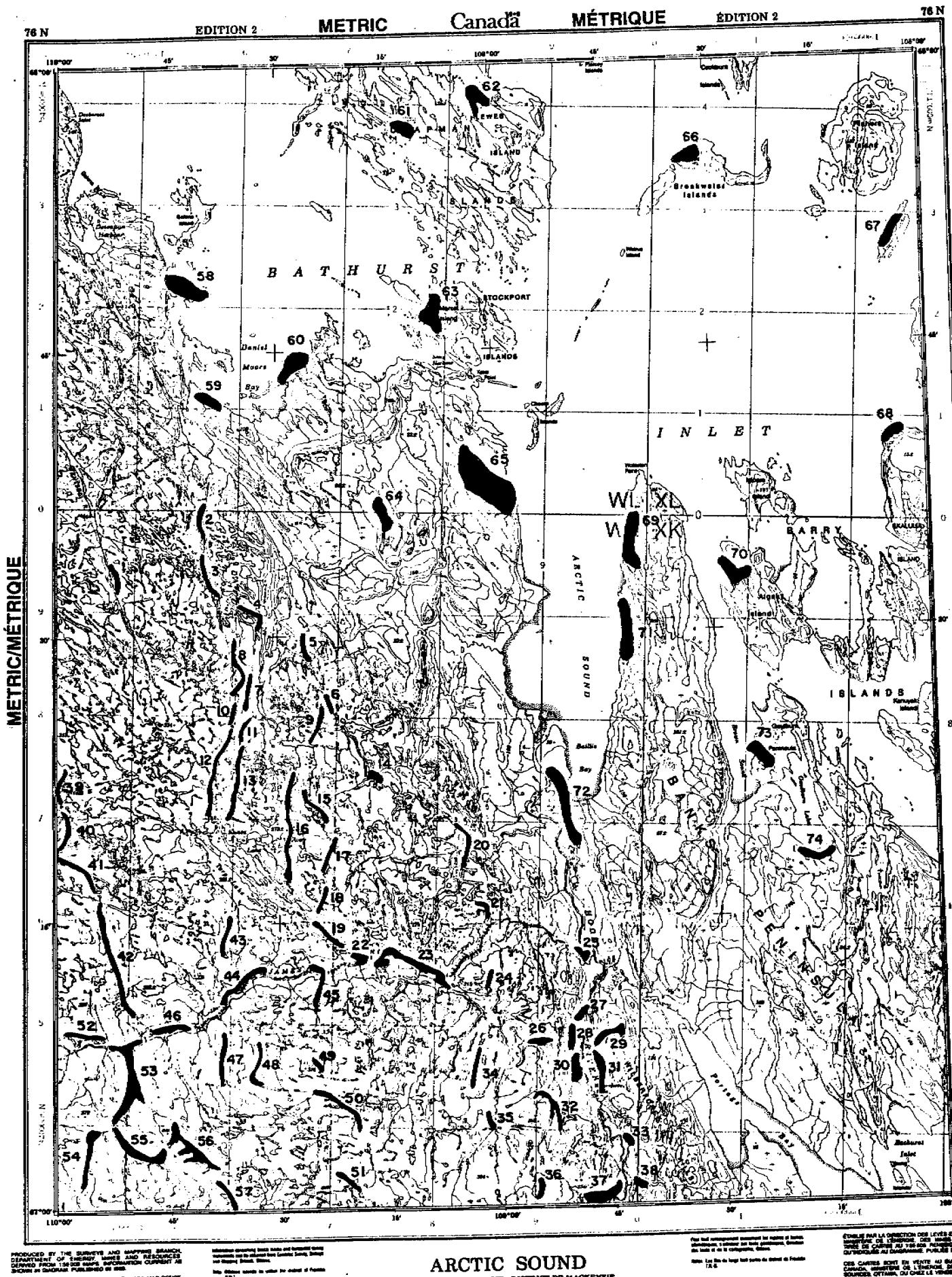
NORTHWEST TERRITORIES

Scale 1:250,000 Échelle

Transverse Mercator Projection  
North American Datum 1927  
Datum: Mean Sea Level  
Elevation: Above sea level



HEPBURN ISLAND  
76 M



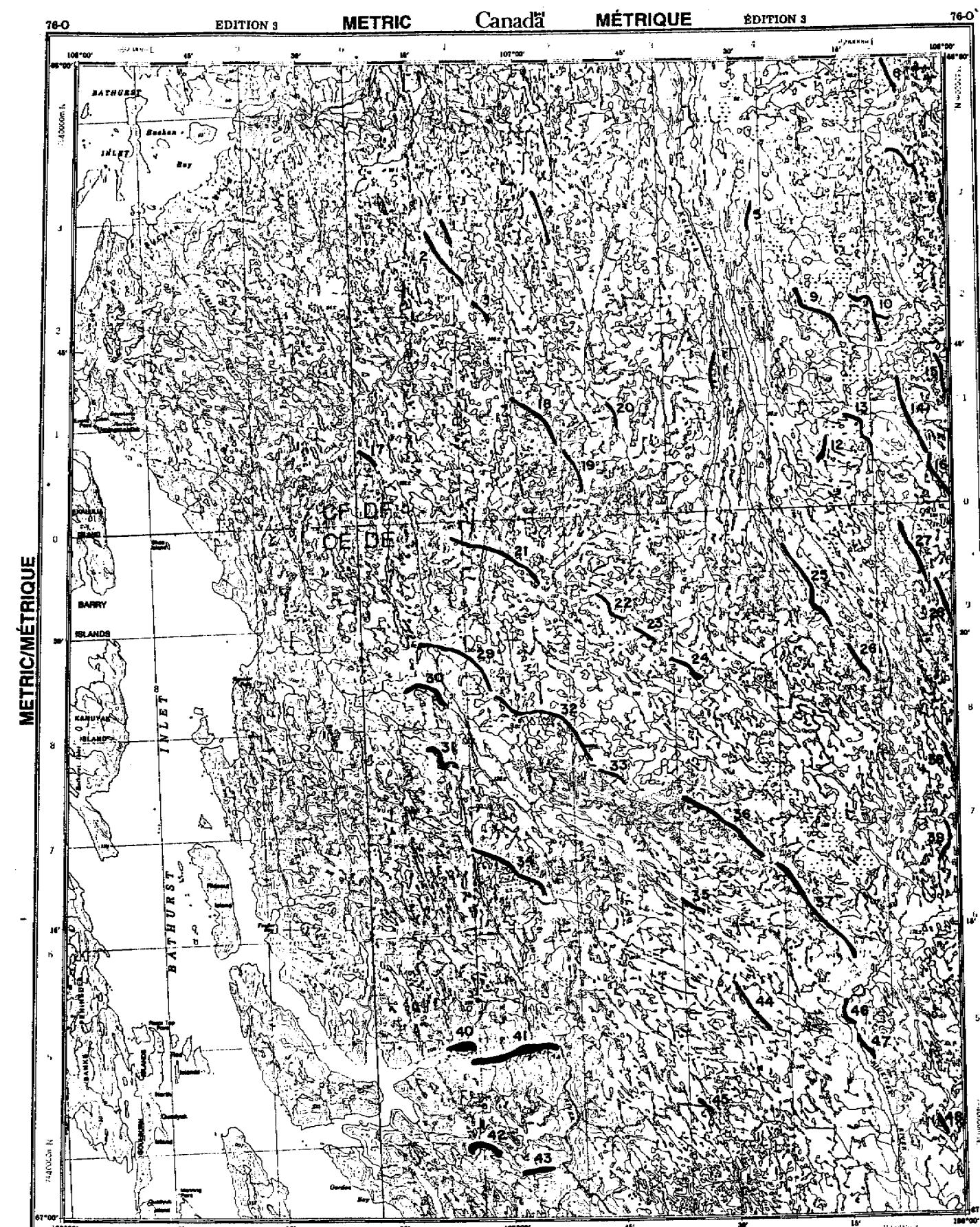


TABLE 18  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	409000	7529000	X		X
2	409500	7527000			
3	407500	7527500	X	X	
4	410300	7523500			
5	412000	7521000	X		
6	413000	7519500		X	
7	418000	7531000	X		X
8	419000	7527000			
9	439000	7529000	X		
10	438500	7527500		X	X
11	452000	7543000			
12	453000	7540500	X		
13	453000	7534000			
14	455000	7532000	X		
15	458000	7531000			
16	458000	7527000	X		
17	443000	7521000			
18	447000	7517000	X		
19	449000	7520000	X		X
20	451000	7516500	X	X	X
21	453000	7515000			
22	454500	7512000	X		
23	445500	7506000			
24	445000	7505000	X		
25	448000	7508500			
26	450000	7505000	X		
27	452500	7512000			
28	455000	7506000	X	X	X
29	457000	7514000			
30	457000	7511000	X		
31	455500	7504000			
32	457000	7501000	X		
33	460000	7507000			
34	461000	7505000	X		
35	461500	7503000	X		
36	462000	7510000			
37	462500	7508000	X		
38	463000	7505000			
39	464000	7498000			
40	464500	7495000			
41	465000	7493000			
42	466000	7492000			
43	466500	7487000			
44	467000	7485000			
45	467500	7484000			
46	468000	7482000			
47	468500	7479000			
48	469000	7477000			

PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	440000	7485000			
2	442000	7482000			
3	446000	7457000			
4	456000	7476000			
5	457000	7474000			
6	458000	7469000			
7	458500	7466000			
8	460000	7449500			
9	460900	7449300			
10	461000	7448000			
11	4613000	7449000			
12	4617000	7449500			
13	462000	7447500			
14	462500	7447300			
15	463000	7447500			
16	463500	7447300			
17	464000	7447200			
18	464500	7447200			
19	465000	7446000			
20	465500	7445000			
21	466000	7445000			
22	466500	7444000			
23	467000	7443000			
24	467500	7442000			
25	468000	7442000			
26	468500	7441000			
27	469000	7440000			
28	469500	7439000			
29	470000	7438000			
30	470500	7437000			
31	471000	7436000			
32	471500	7435000			
33	472000	7434000			
34	472500	7433000			
35	473000	7432000			
36	473500	7431000			
37	474000	7430000			
38	474500	7429000			
39	475000	7428000			
40	475500	7427000			
41	476000	7426000			
42	476500	7425000			
43	477000	7424000			
44	477500	7423000			
45	478000	7422000			
46	478500	7421000			
47	479000	7420000			
48	479500	7419000			

J.D. Mollard and Associates Limited  
August, 1994  
FIGURE 18

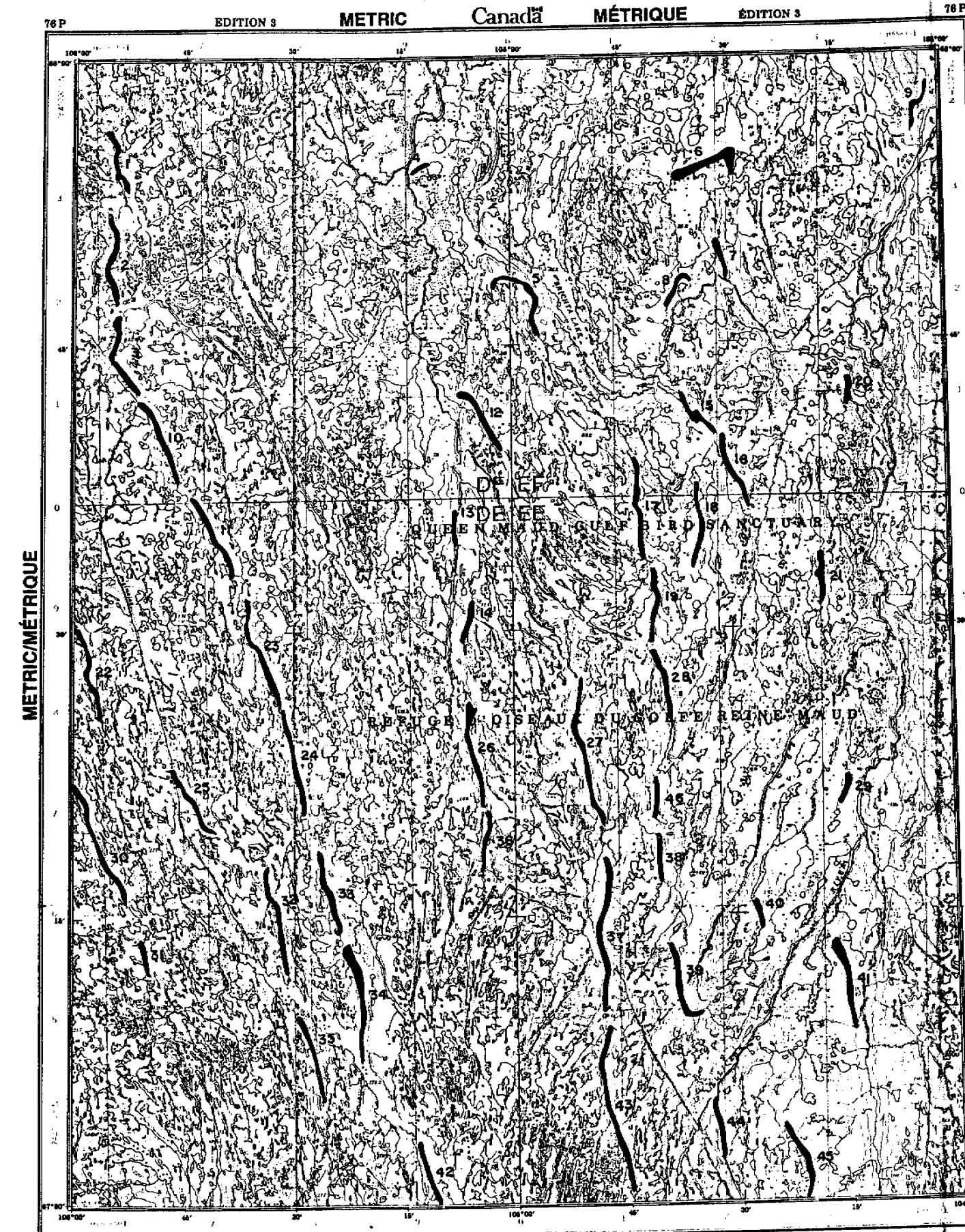


TABLE 20  
SUMMARY OF SAND AND GRAVEL PROSPECTS

PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
1	548000 545000	7543000 7539000	Estuarine Kame Outwash Islands Tundra Delta	Cove or Inlet Talus Ridge Hill Plain	Slope Bench Medium Large
2	560000 561000	7532000 7530000	X	X	X
3	565000 567000 5690000	7540000 7534000 7528000	X	X	X
4	571000 573000	7522000 7518000	X	X	X
5	579000 579000	7520000 7518000	X	X	X
6	574500 573000	7516500 7512000	X	X	X
7	594000 594000	7519000 7516000	X	X	X
8	563000 562500	7503000 7499000	X	X	X
9	574000 572000 571500	7509000 7503000 7497000	X	X	X
10	577000 576000	7501000 7498000	X	X	X
11	584500 587000 588000	7506500 7501000 7496000	X	X	X
12	587500 589500	7506500 7504500	X	X	X
13	602500 602500	7506000 7506500	X	X	X
14	546500 547500	7491500 7489000	X	X	X
15	564000 565000	7493000 7490000	X	X	X
16	557000 558000 559000 558300	7495000 7490000 7485000 7479000	X	X	X
17	592000 593000	7491000 7487000	X	X	X
18	554000 555000	7486000 7482000	X	X	X
19	610000 610500	7484000 7491000	X	X	X
20	618500 619000	7486000 7481000	X	X	X
21	565500 565000	7487000 7480000	X	X	X
22	549500 550000 551500	7473000 7468000 7464000	X	X	X
23	564500 565000 566500	7477000 7471000 7465000	X	X	X
24	578000 577500	7477000 7475000	X	X	X
25	578000 577500	7471000 7464000	X	X	X
26	589000 588500	7469000 7467000	X	X	X
27	589000 589000	7464500 7462000	X	X	X
28	601000 605000 607500	7472000 7467000 7462000	X	X	X
29	611500 615000	7475500 7470000	X	X	X
30	553000 553500	7461000 7454000	X	X	X
31	554000 556500	7452000 7447500	X	X	X
32	563000 569000	7461000 7458000	X	X	X
33	570000 570000	7450000 7444000	X	X	X
34	578000 579000 580500	7457000 7451000 7446500	X	X	X
35	590000 591000	7455000 7453000	X	X	X
36	610000 611000	7457000 7452000	X	X	X

PROSPECT	UTM GRID		GEOLOGIC LANDFORM	SURFACE TOPOGRAPHY	DEPOSIT SIZE
	EASTING	NORTHING			
37	618500 618500	7461000 7456500	X	X	X
38	623000 624000	7455000 7452000	X	X	X
39	548000 548000 548000	7444000 7438000 7433000	X	X	X
40	558000 559000 560000	7444000 7439000 7434000	X	X	X
41	610000 611000	7449000 7444000	X	X	X
42	613000 614000	7438000 7434500	X	X	X

NOTE:  
All beach or scarp prospects except 2,10,16,19,21,22,  
24,25,26,27,29,30,31,32,35,37,38,40

