



IMPERIAL OIL RESOURCES VENTURES LIMITED

2003 WINTER

FIELD GEOTECHNICAL INVESTIGATION PROGRAM

INUVIALUIT SETTLEMENT REGION

CROWN LANDS

November, 2002



D012048



Imperial Oil

A-54966

Imperial Oil Resources

237 Fourth Avenue S.W.
P.O. Box 2480, Station "M"
Calgary, Alberta
Canada T2P 3M9

P.D. (Peter) Grout
Manager, Regulatory Affairs
Mackenzie Gas Project

Tel. (403) 237-3984
Fax. (403) 237-2102

November 12, 2002

Inuvialuit Land Administration
P.O. Box 290
Tuktoyaktuk,
Northwest Territories X0E 1C0

ATTENTION: Mr. James Thorbourne
Chief Land Administrator

Dear Mr. Thorbourne:

**Re: INAC Maps and Data Sheets for
Field Geotechnical Investigation Program**

For your information, enclosed are eight copies of the INAC Class A land use permit application maps and data sheets. The maps are numbered 17 to 59 inclusive.

Please direct any questions to Nezam Amoozegar (403) 232-5916, facsimile (403) 237-2197.

Yours truly,
Imperial Oil Resources Ventures Limited

Peter D. Grout
Manager, Regulatory Affairs

Enclosures

INDEX SUMMARY SHEET- Inuvialuit Settlement Region Crown Lands

<i>Tab ID</i>	<i>Site ID</i>	<i>Land Owner</i>	<i>Activity Type</i>	<i>Latitude</i>	<i>Longitude</i>
17	OLN1	Crown	Overland Borehole	69.32509268410	-135.16763884500
18	OLN2	Crown	Overland Borehole	69.33360501670	-135.10634300200
19	OLN3	Crown	Overland Borehole	69.34894913840	-135.06082127300
20	OLN4	Crown	Overland Borehole	69.36964780380	-135.00373333800
21	OLN5	Crown	Overland Borehole	69.38068925460	-134.95741634900
22	OL1	Crown	Overland Borehole	69.36363434300	-134.87674523500
23	OL2	Crown	Overland Borehole	69.34613276280	-134.81874245100
24	OL3	Crown	Overland Borehole	69.32426150580	-134.77773406800
25	OL4	Crown	Overland Borehole	69.30186645930	-134.73797074700
26	OL5	Crown	Overland Borehole	69.28077238680	-134.69157376000
27	OL6	Crown	Overland Borehole	69.26148771670	-134.64251849100
28	OL7	Crown	Overland Borehole	69.23775691830	-134.60691552200
29	OL8	Crown	Overland Borehole	69.21619340930	-134.56632312100
30	OL9	Crown	Overland Borehole	69.19290642130	-134.52306021000
31	OL20	Crown	Overland Borehole	68.96430616170	-134.09740648600
32	OL21	Crown	Overland Borehole	68.94196456580	-134.06053631400
33	OL22	Crown	Overland Borehole	68.90881562800	-134.03148120000
34	OL23	Crown	Overland Borehole	68.87400751790	-134.00399770600
35	OL24	Crown	Overland Borehole	68.84282865960	-133.95842183600
36	OL25	Crown	Overland Borehole	68.81143162950	-133.91111331600

INDEX SUMMARY SHEET- Inuvialuit Settlement Region Crown Lands

<i>Tab ID</i>	<i>Site ID</i>	<i>Land Owner</i>	<i>Activity Type</i>	<i>Latitude</i>	<i>Longitude</i>
37	OL28	Crown	Overland Borehole	68.97173600740	-134.06075204700
38	OL29	Crown	Overland Borehole	68.93747395560	-134.02123316900
39	OL30	Crown	Overland Borehole	68.90750021350	-133.97779958400
40	OL31	Crown	Overland Borehole	68.87115595900	-133.93619330400
41	OL32	Crown	Overland Borehole	68.78614031010	-133.88769720700
42	OL33	Crown	Overland Borehole	68.75265636680	-133.84967633200
43	OL34	Crown	Overland Borehole	68.72420419320	-133.79225865500
44	OL35	Crown	Overland Borehole	68.68971928140	-133.76567746800
45	OL36	Crown	Overland Borehole	68.47165881240	-133.32022932100
46	OL37	Crown	Overland Borehole	68.43259383220	-133.26117400600
47	2.018BP	Crown	Borrow Site	68.78973774660	-134.13204032700
48	2.019EP	Crown	Borrow Site	68.88385752570	-134.08258220400
49	2.020P	Crown	Borrow Site	68.92788246560	-134.04691966800
50	2.022P	Crown	Borrow Site	68.96507984510	-133.95668878300
51	2.024P	Crown	Borrow Site	68.97949098610	-133.79371817000
52	2.025P	Crown	Borrow Site	69.02438261900	-133.50872179400
53	2.027P	Crown	Borrow Site	68.96747000000	-133.39491000000
54	2.028P	Crown	Borrow Site	68.98386377230	-133.51485300800
55	2.029P	Crown	Borrow Site	68.89963192580	-133.90248620800
56	20.038P	Crown	Borrow Site	68.46884633220	-133.33213268700

INDEX SUMMARY SHEET- Inuvialuit Settlement Region Crown Lands

<i>Tab ID</i>	<i>Site ID</i>	<i>Land Owner</i>	<i>Activity Type</i>	<i>Latitude</i>	<i>Longitude</i>
57	GM4P	Crown	Borrow Site	68.67762580840	-133.71358628800
58	Harry Channel River	Crown	River Crossing	69.37003734070	-134.92520416700
59	Nig Channel River	Crown	River Crossing	69.32529240310	-135.25522429000

Site ID OLN1**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.32509268410
Longitude: -135.16763884500

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

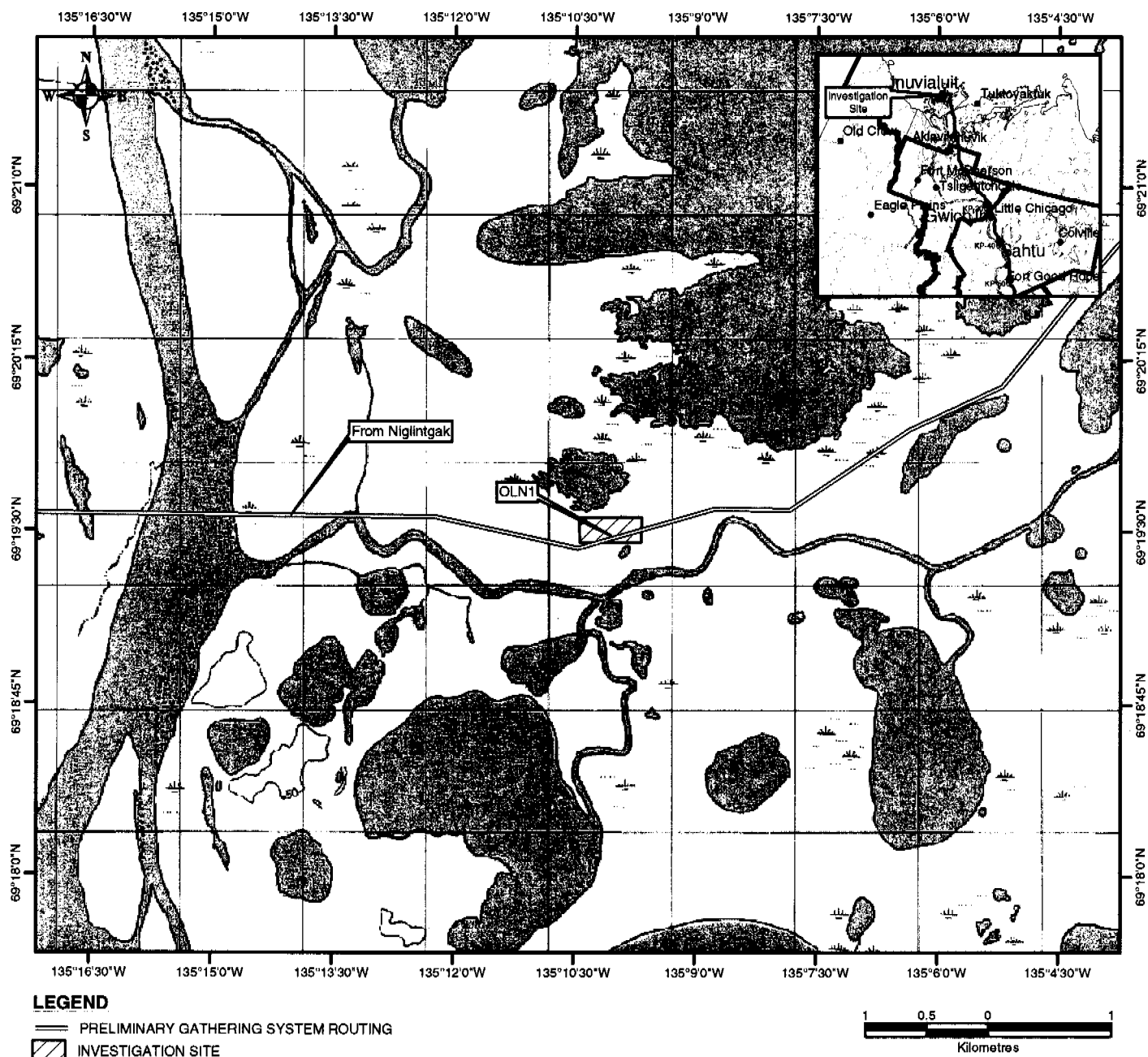
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

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ArcGIS 107-0000-011-084 000

ArcGIS DRAWING NO MANUAL CHANGES



A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglintgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 1 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN
MK

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GM

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DATE
02 11 05

SCALE
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IOR DRAWING NUMBER

107-0000-011-084 000

REV.
0

Site ID OLN2**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.33360501670
Longitude: -135.10634300200

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

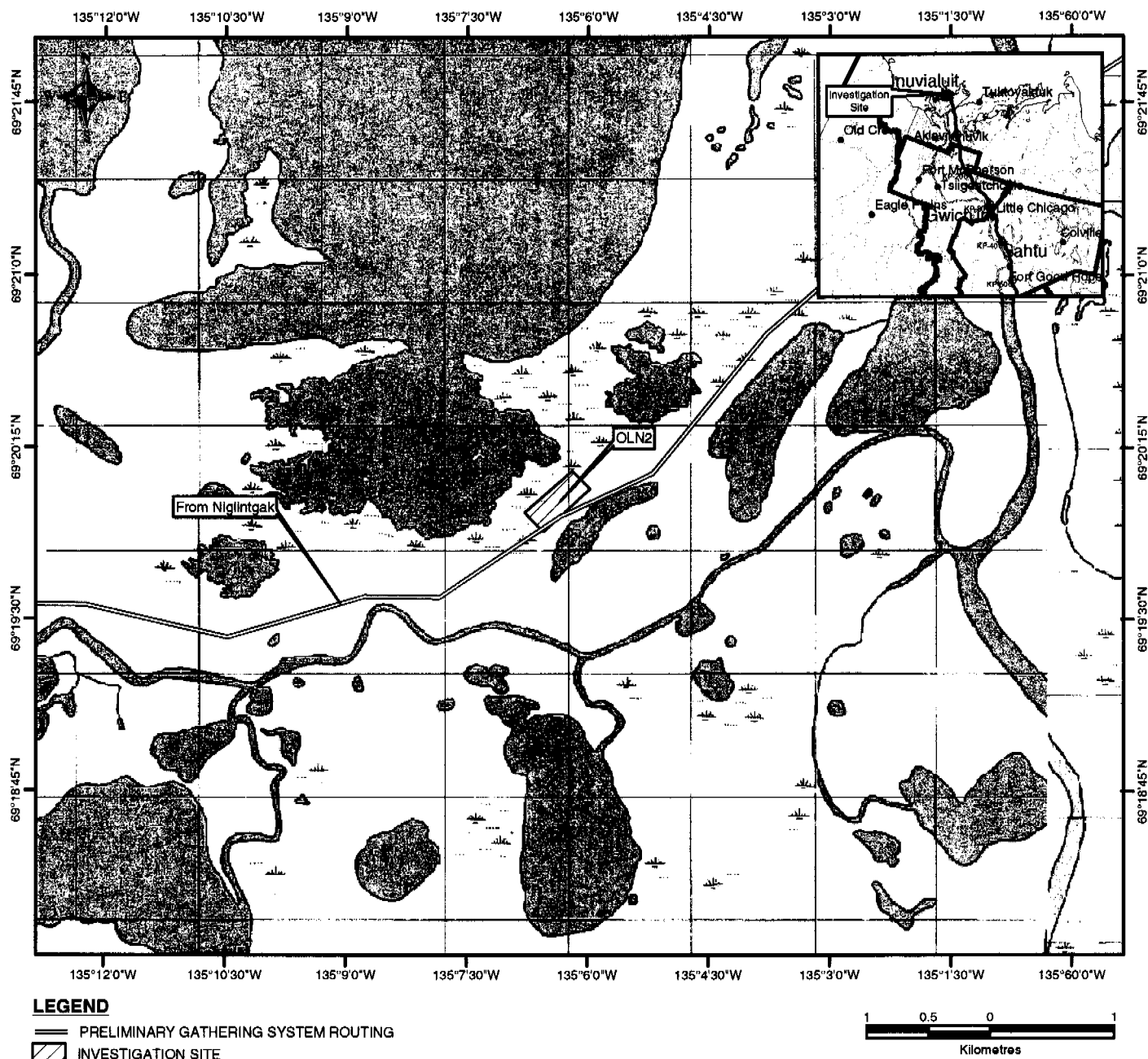
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ArcGIS 107-0000-011-085 000

ArcGIS DRAWING NO MANUAL CHANGES



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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 2 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN
MK

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IOR DRAWING NUMBER

107-0000-011-085 000

REV.
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Site ID OLN3**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.34894913840
Longitude: -135.06082127300

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

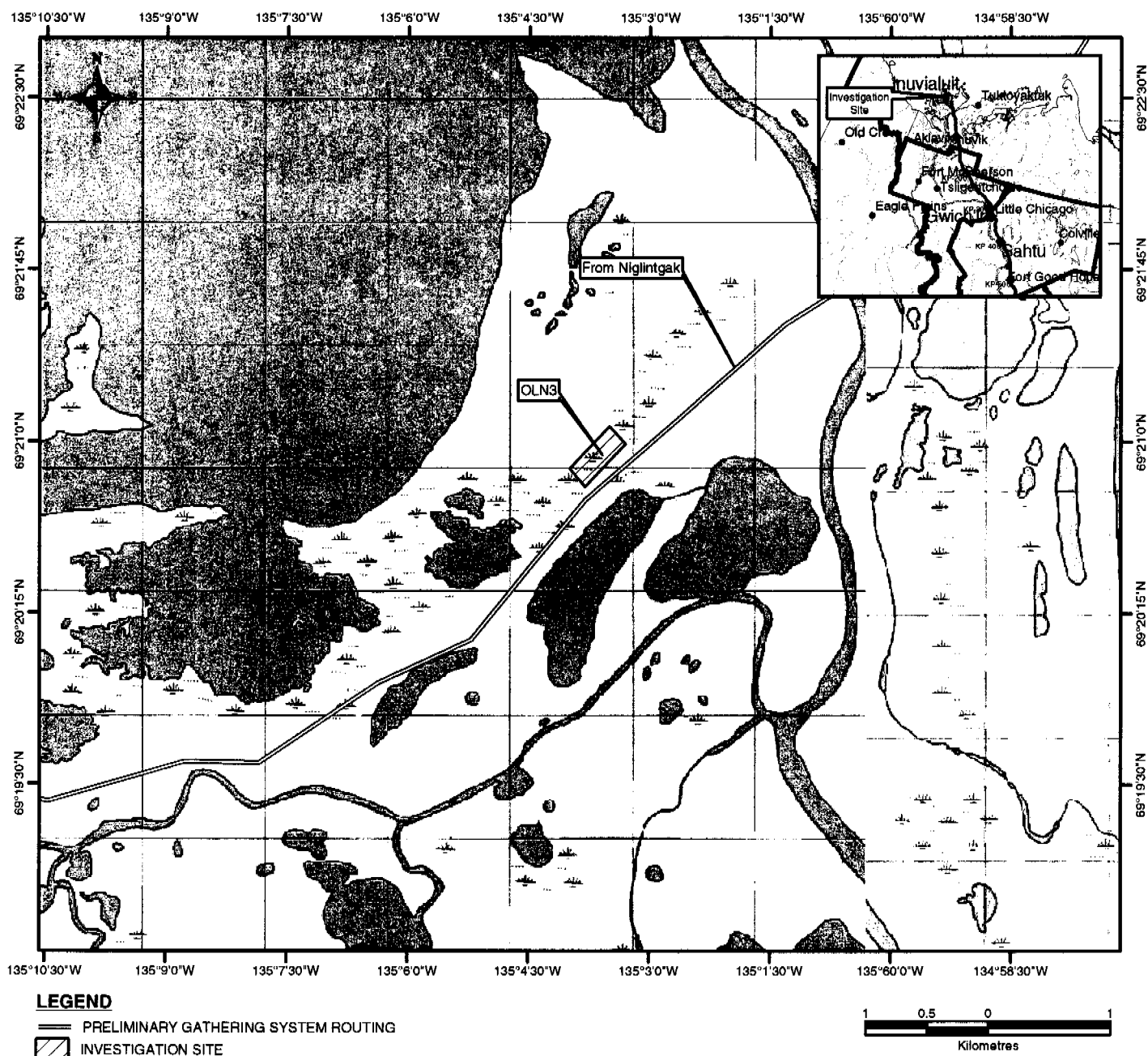
Comments:

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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS

107-0000-011-086 000

MACKENZIE DELTA
OVERLAND SITE # N3

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglintgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

MACKENZIE
GAS
PROJECTMACKENZIE GAS PROJECT
OVERLAND SITE # 3
FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-086 000

REV.
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Site ID OLN4**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.36964780380
Longitude: -135.00373333800

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

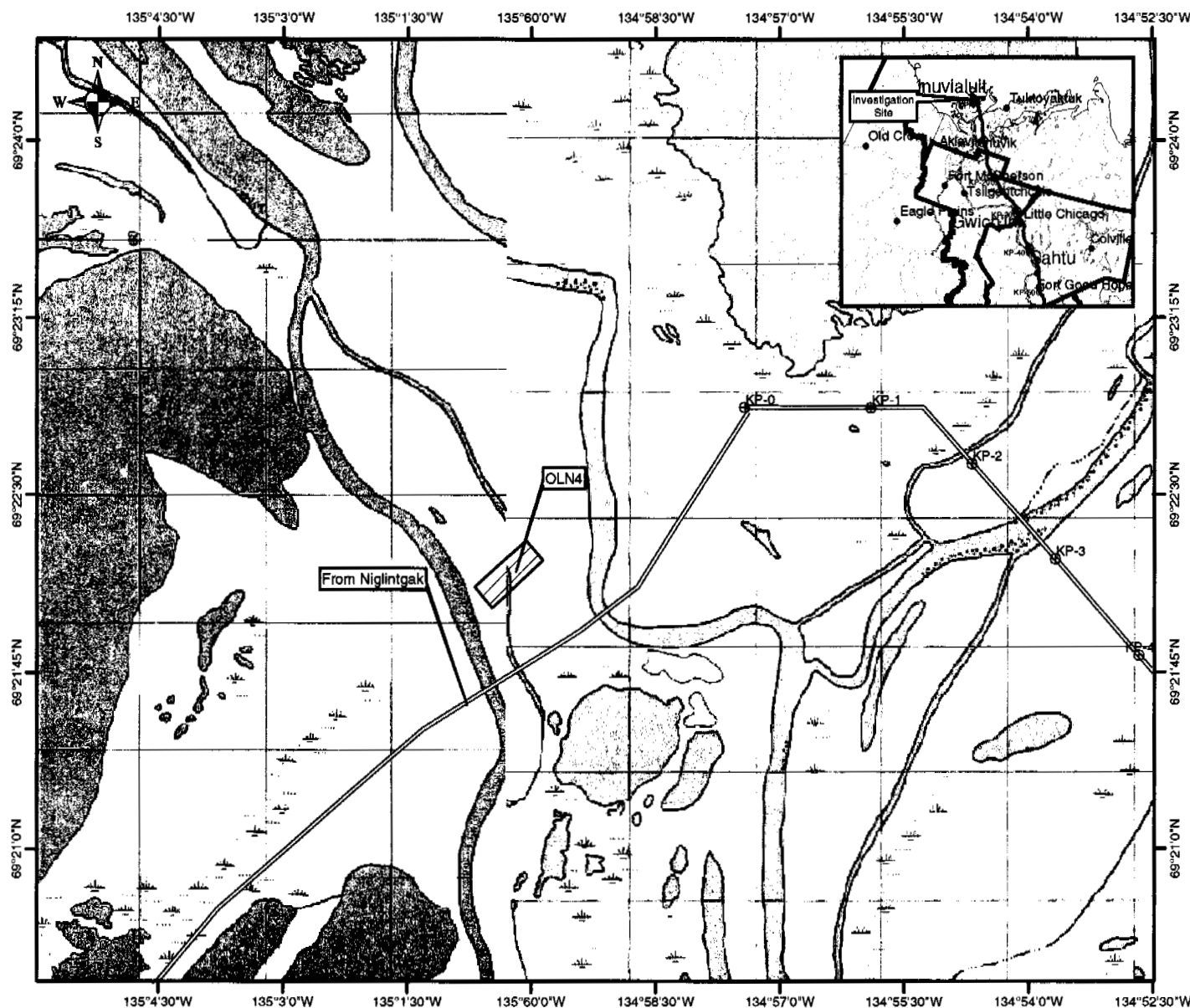
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

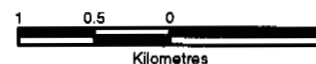
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ArcGIS 107-0000-011-087 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

MACKENZIE DELTA
OVERLAND SITE # N4

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 4 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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1:50,000

IOR DRAWING NUMBER

107-0000-011-087 000

REV.

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Site ID OLN5**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.38068925460
Longitude: -134.95741634900

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

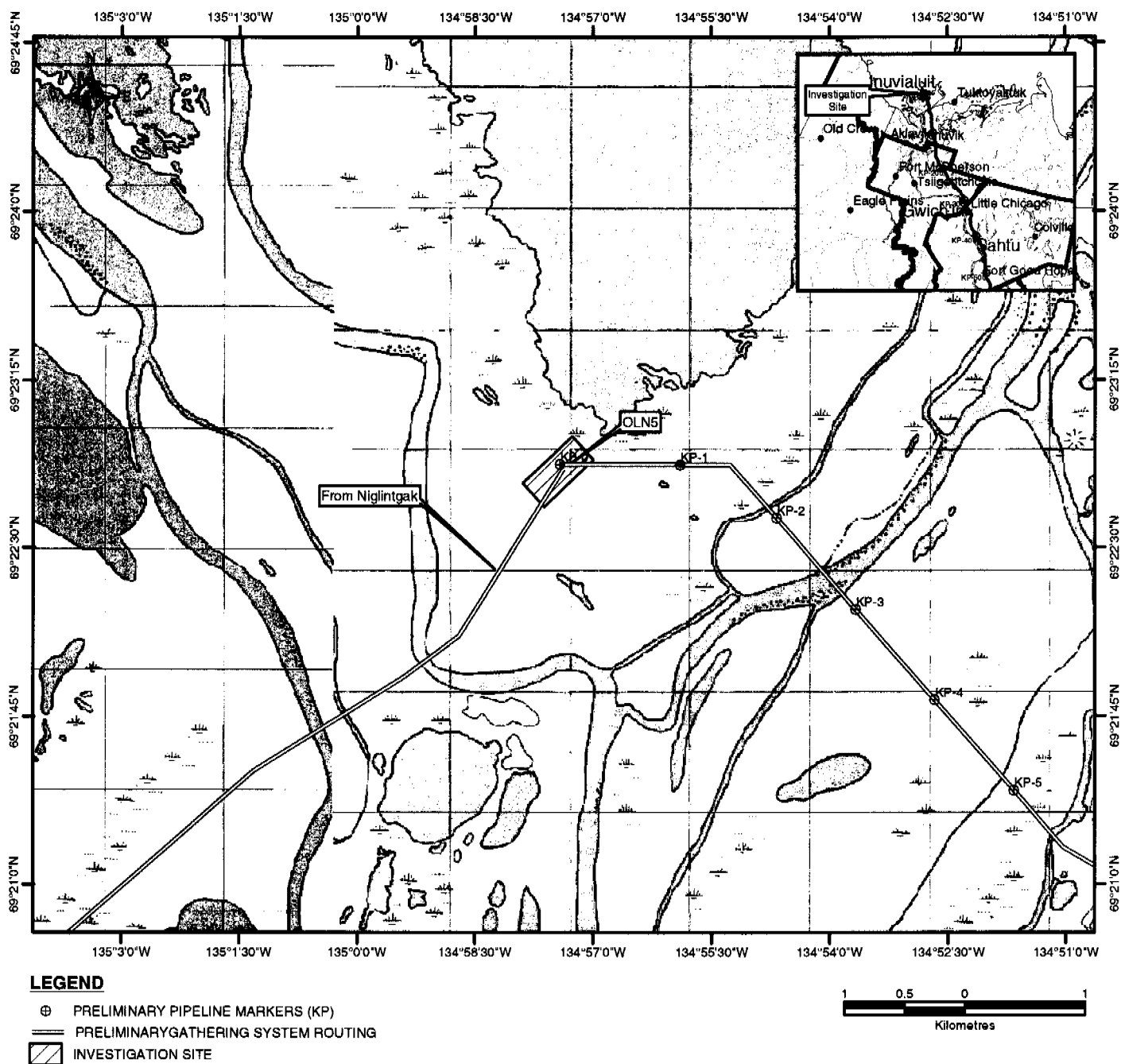
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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-093 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

1 0.5 0 1
Kilometres

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

MACKENZIE DELTA
OVERLAND SITE # N5

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 5 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-093 000

REV.

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Site ID OL1**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.36363434300
Longitude: -134.87674523500

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

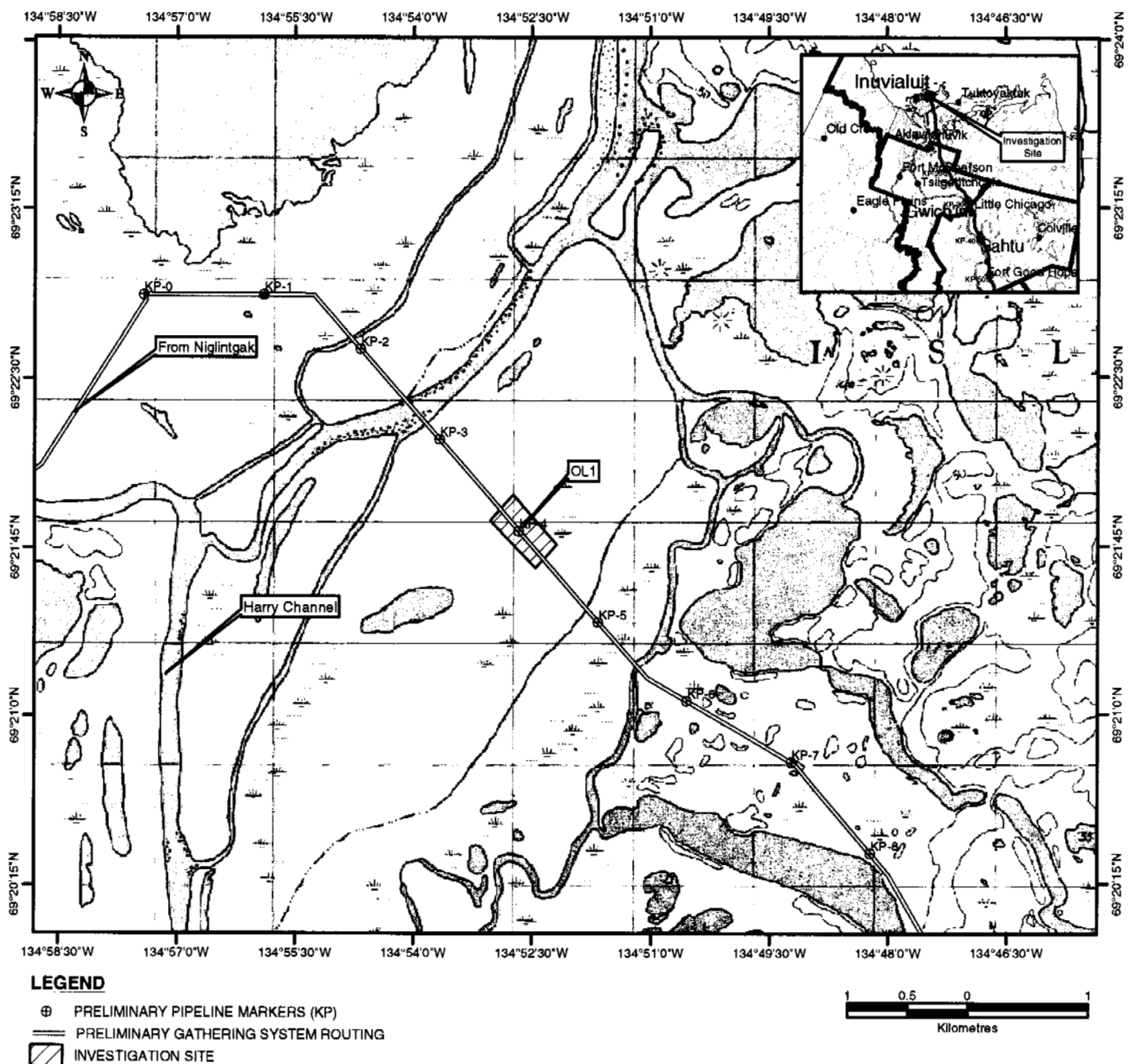
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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-047 000



MACKENZIE DELTA OVERLAND SITE # 1

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 1 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN

MK

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BT

DESIGN

GM

APPR.

LG

DATE

02 11 05

SCALE

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IOR DRAWING NUMBER

107-0000-011-047 000

REV.

0

Site ID OL2**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.34613276280
Longitude: -134.81874245100

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

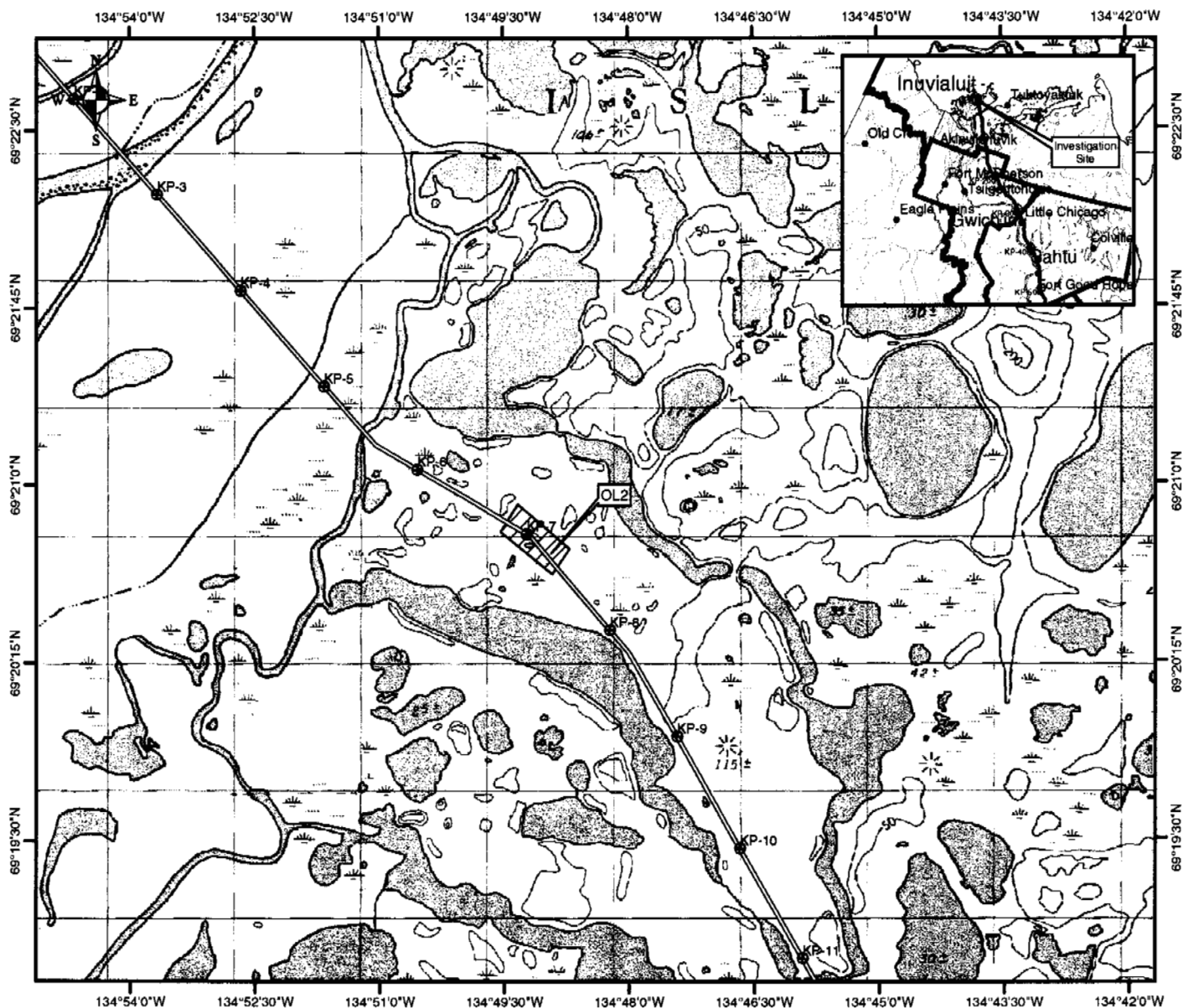
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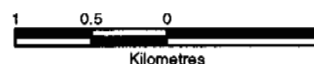
ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-048 000



LEGEND

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE



NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

MACKENZIE DELTA OVERLAND SITE # 2

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 2 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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DATE

02 11 05

SCALE

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IOR DRAWING NUMBER

107-0000-011-048 000

REV.

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Site ID OL3**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.32426150580
Longitude: -134.77773406800

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

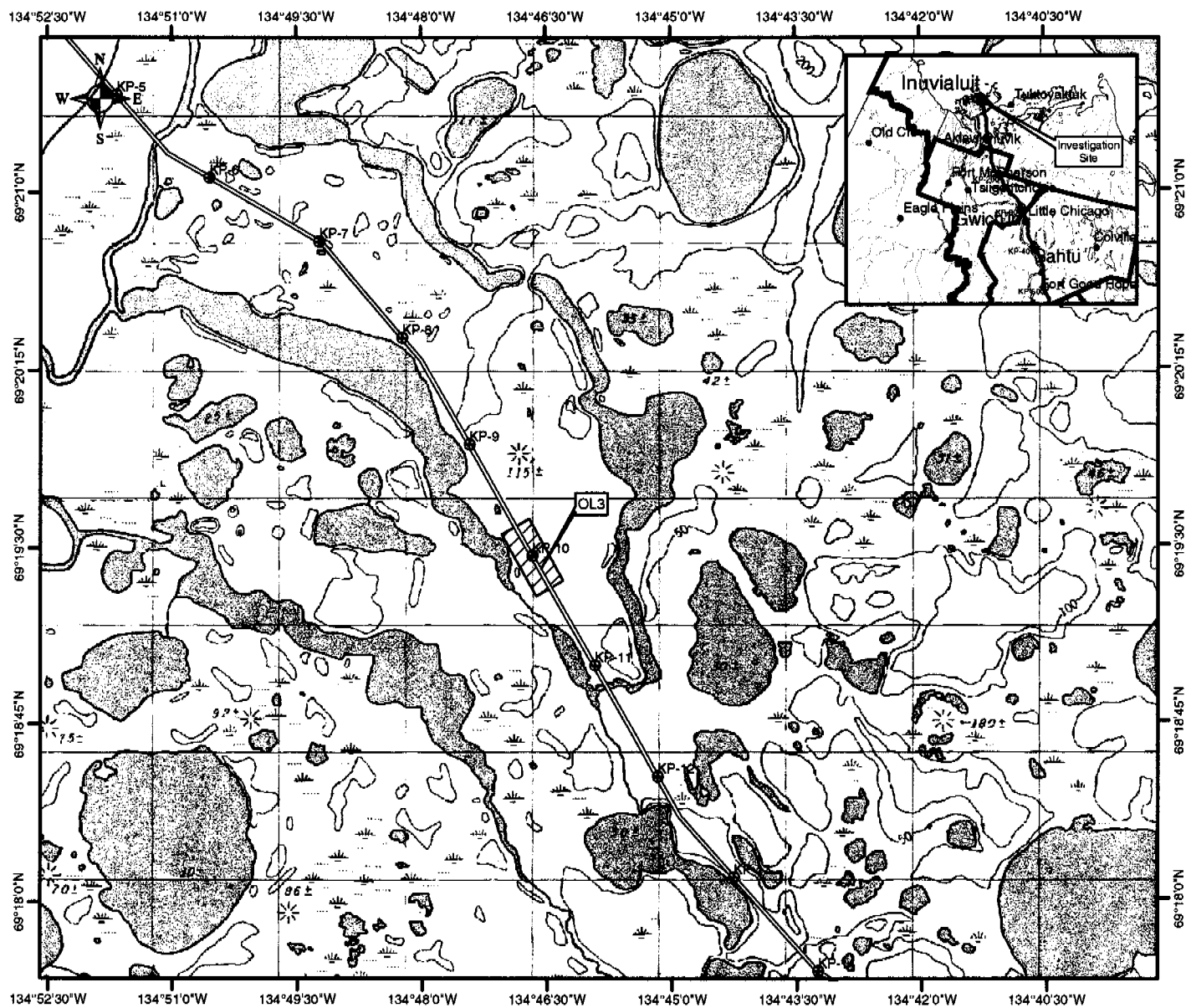
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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-049 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

1 0.5 0 1
Kilometres

**MACKENZIE DELTA
OVERLAND SITE # 3****NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

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**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 3
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-049 000

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Site ID OL4**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.30186645930
Longitude: -134.73797074700

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

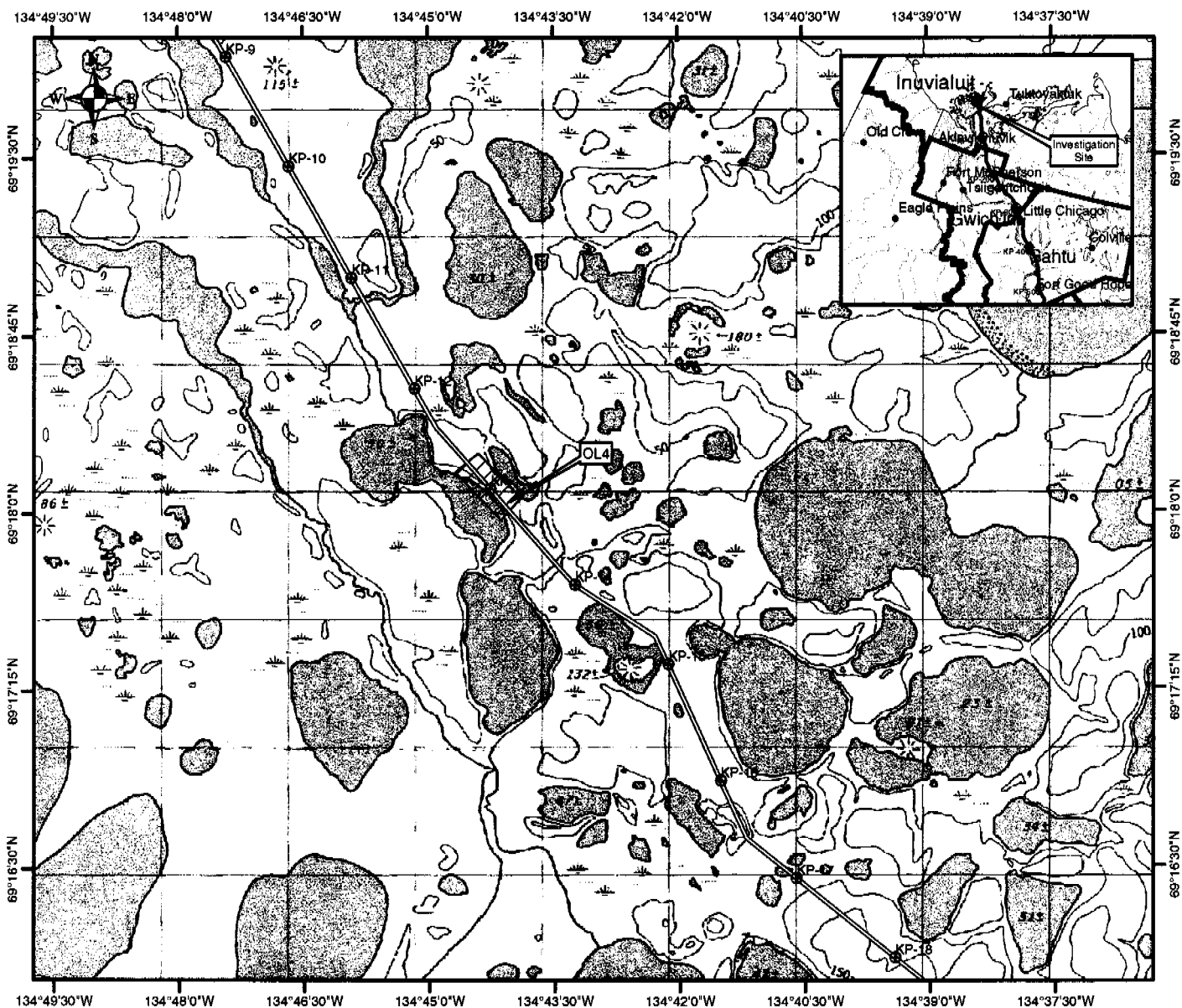
Comments:

Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

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A-MAP-P OCT 12

ArcGIS 107-0000-011-050 000

ArcGIS DRAWING NO MANUAL CHANGES



LEGEND

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE



NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

MACKENZIE DELTA OVERLAND SITE # 4

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglitgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 4 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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DESIGN
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DATE
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IOR DRAWING NUMBER

107-0000-011-050 000

REV.
0

Site ID OL5**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.28077238680
Longitude: -134.69157376000

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

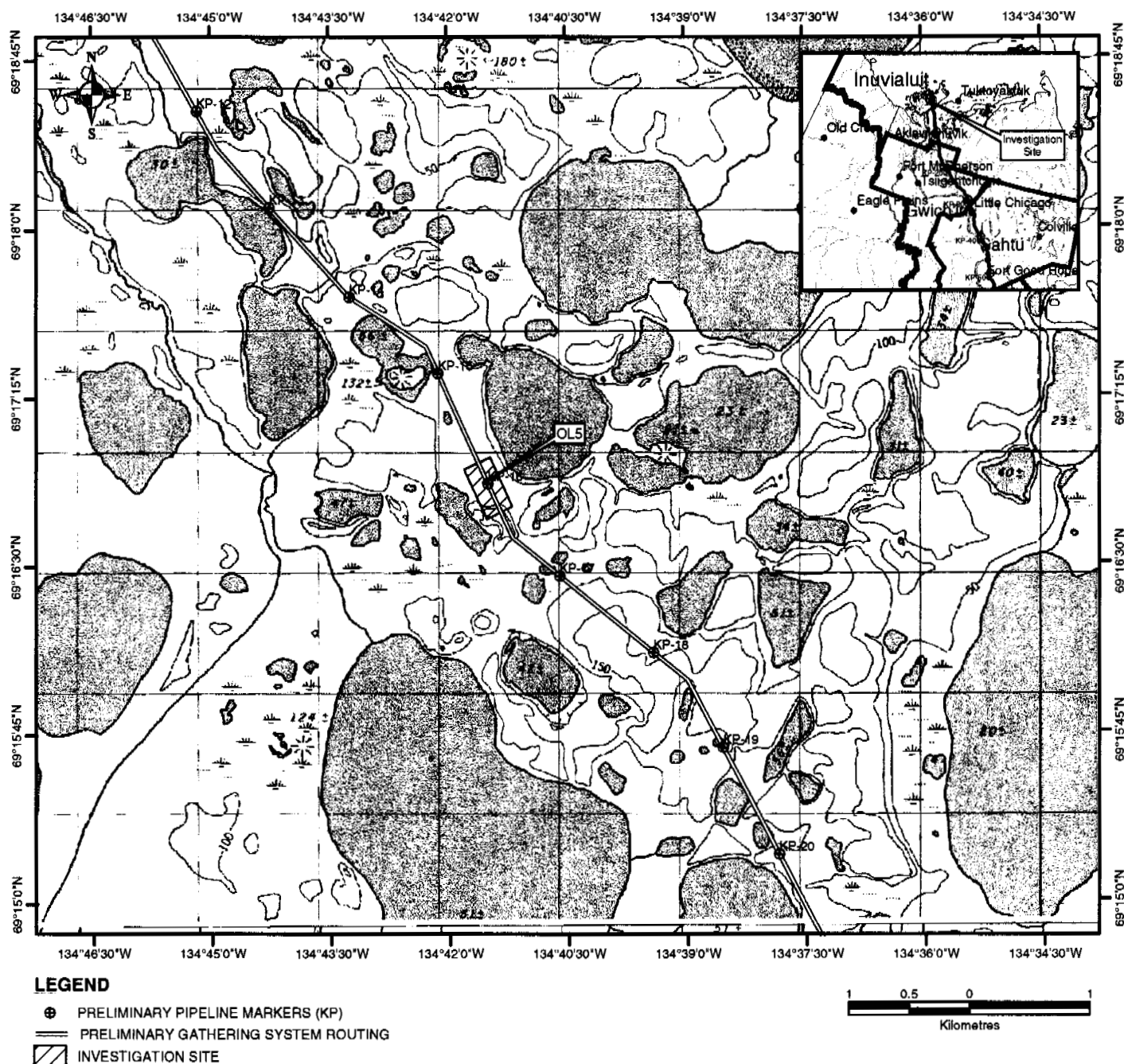
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

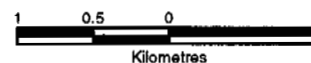
Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

ArcGIS 107-0000-011-051 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

**MACKENZIE DELTA
OVERLAND SITE # 5**

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglintgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 5
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-051 000

REV.
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Site ID OL6**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.26148771670
Longitude: -134.64251849100

ACCESS (m)**

New Access: N/A
Existing Access: N/A

*Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

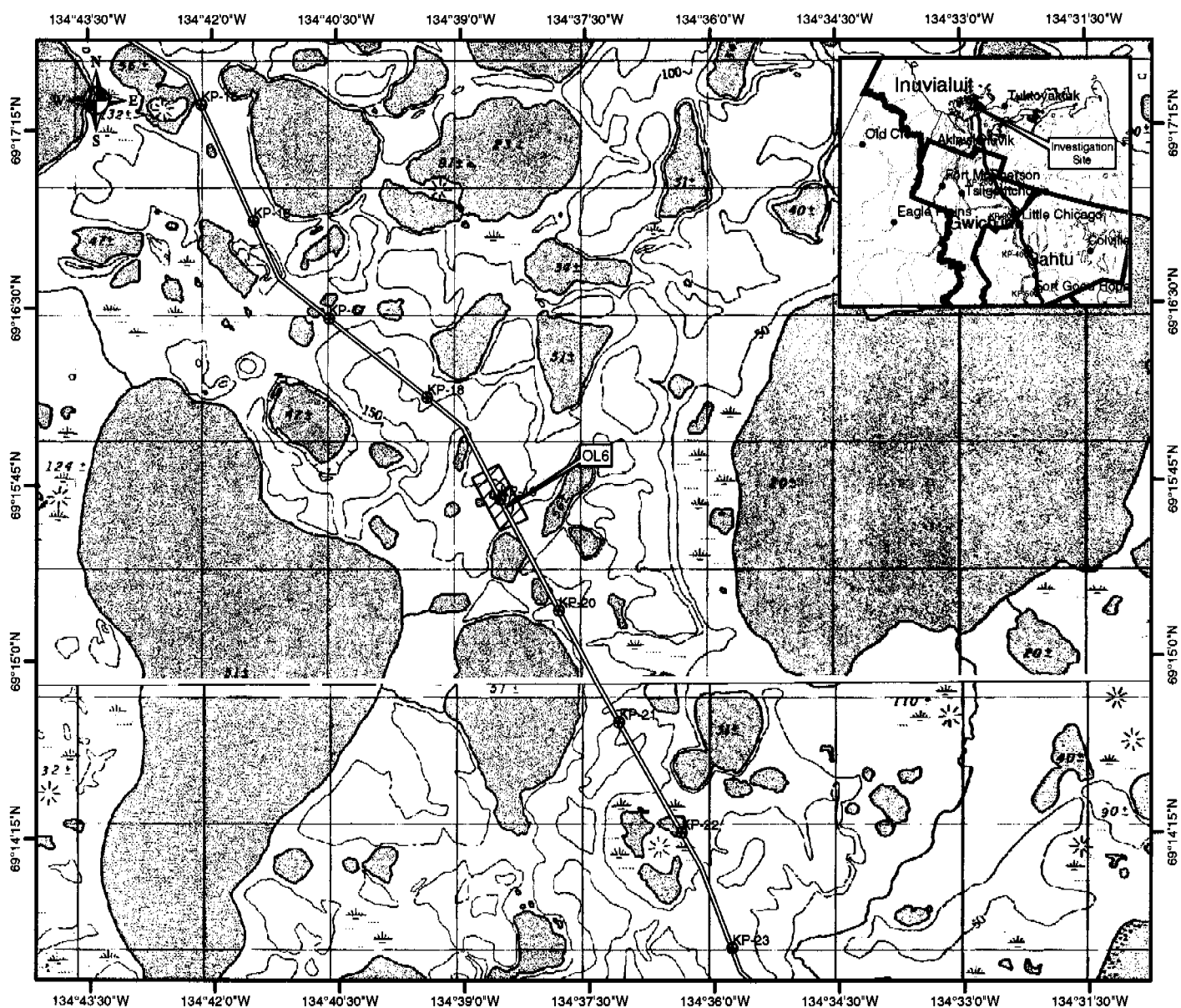
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS 107-0000-011-052 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

1 0.5 0 1
Kilometres

**MACKENZIE DELTA
OVERLAND SITE # 6****NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglingak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 6
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

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IOR DRAWING NUMBER

107-0000-011-052 000

REV.

0

Site ID OL7**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.23775691830
Longitude: -134.60691552200

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

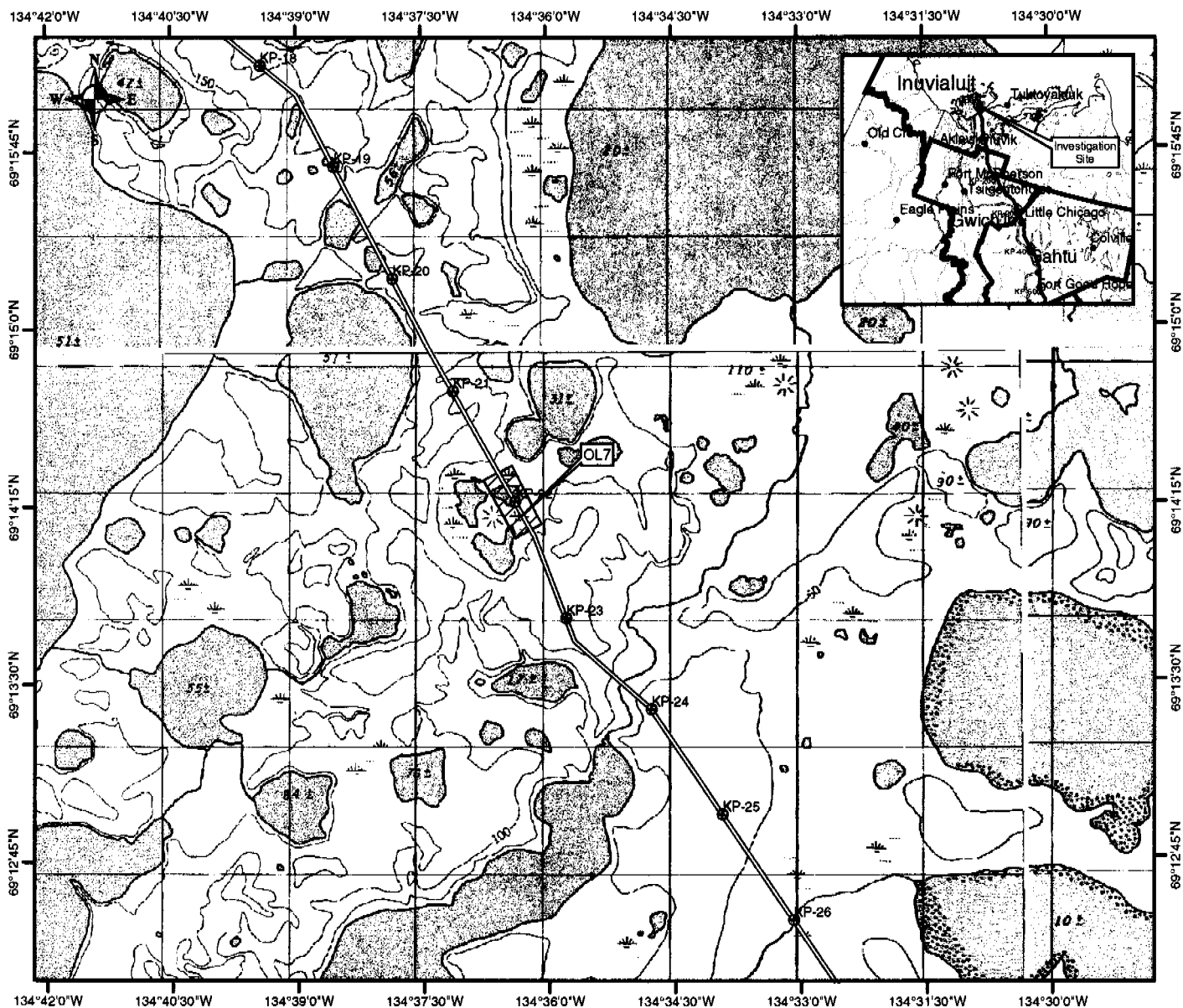
Comments:

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LEGEND

- PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- INVESTIGATION SITE



MACKENZIE DELTA OVERLAND SITE # 7

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigligtgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 7 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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SCALE
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IOR DRAWING NUMBER

107-0000-011-053 000

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Site ID OL8**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.21619340930
Longitude: -134.56632312100

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

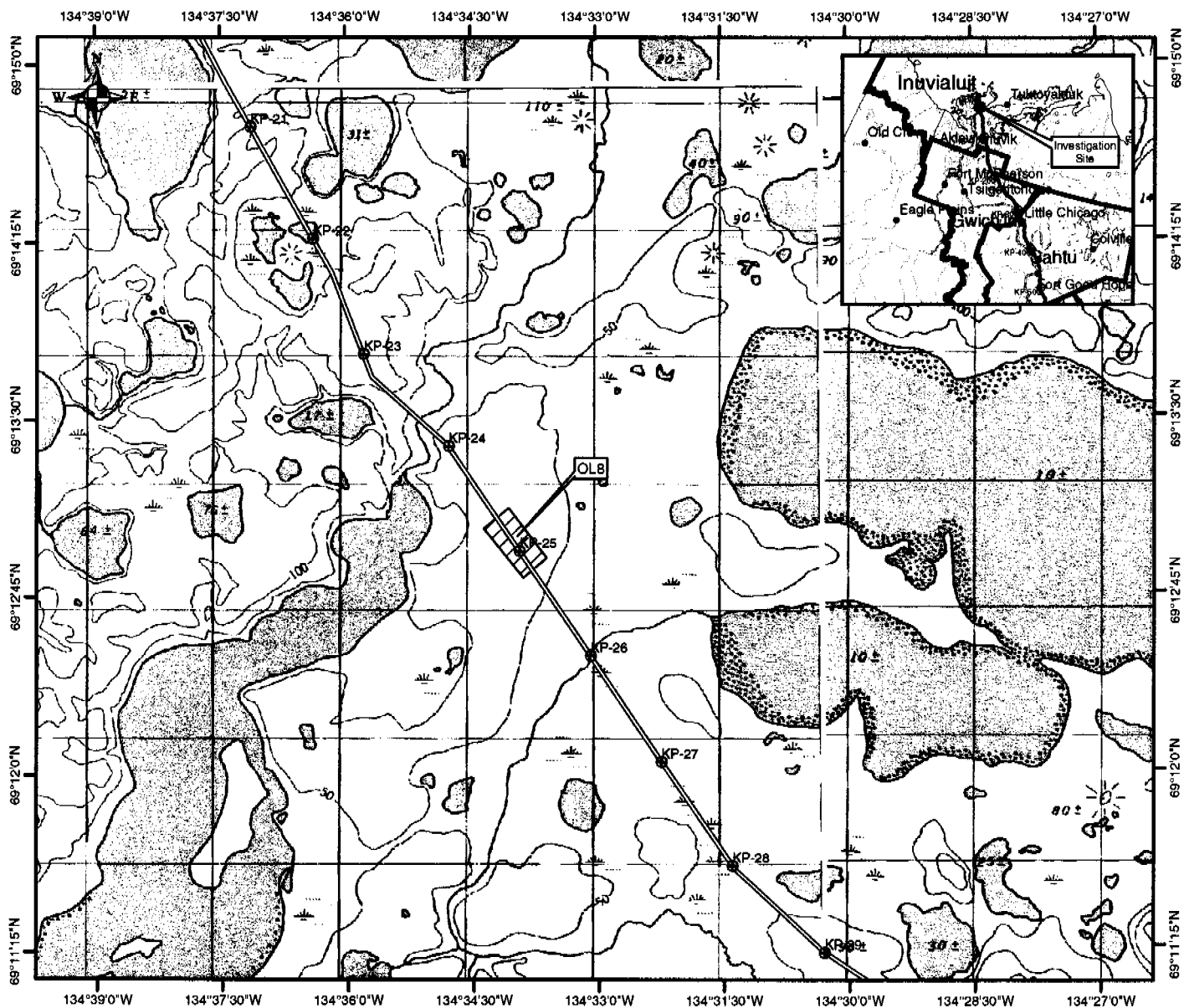
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

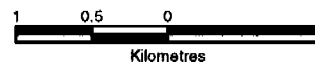
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ArcGIS 107-0000-011-054 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**MACKENZIE DELTA
OVERLAND SITE # 8****NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 8
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

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IOR DRAWING NUMBER

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Site ID OL9**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.19290642130
Longitude: -134.52306021000

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

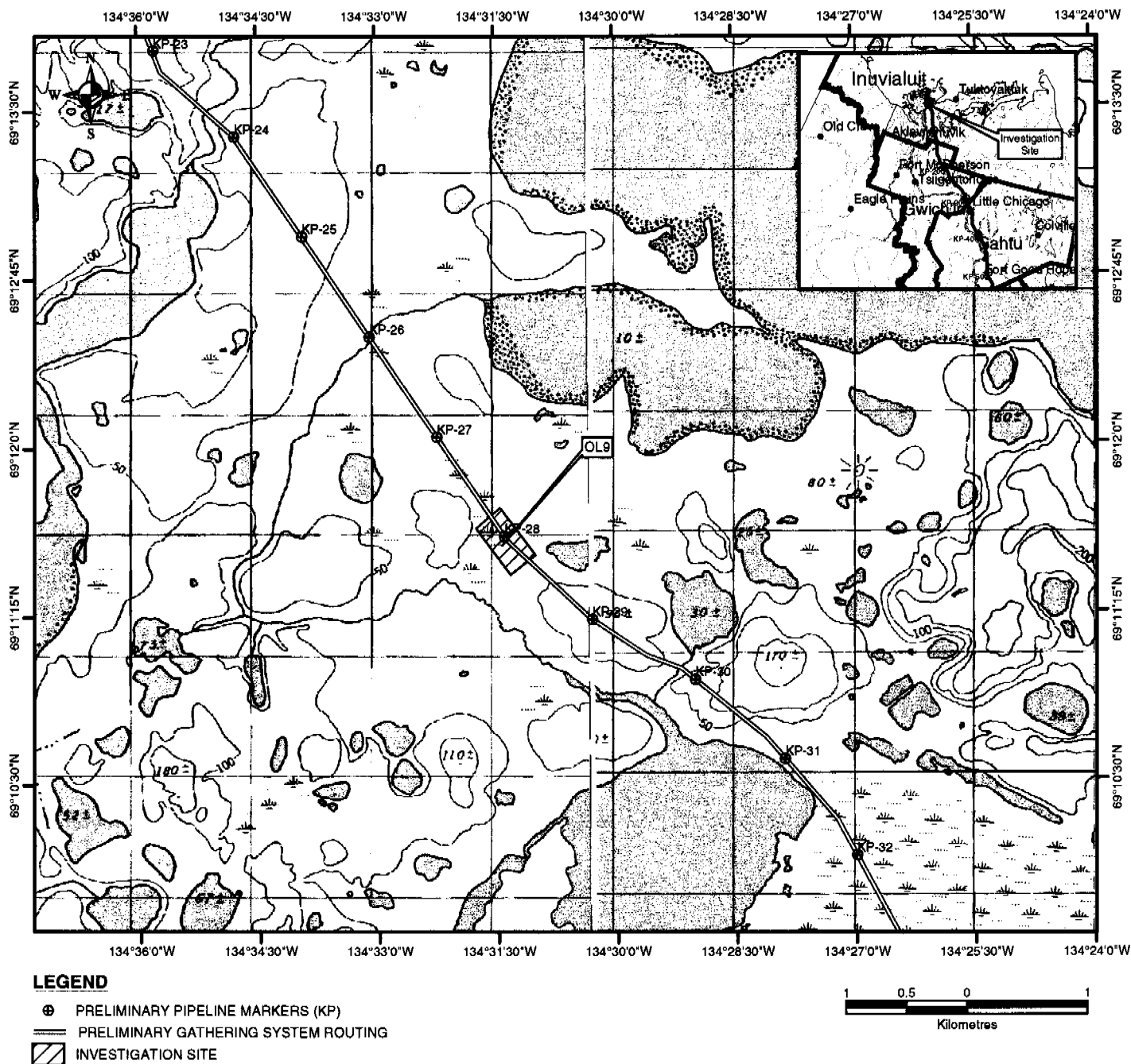
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS 107-0000-011-055 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**MACKENZIE DELTA
OVERLAND SITE # 9****NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 9
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

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Site ID OL20**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.96430616170
Longitude: -134.09740648600

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

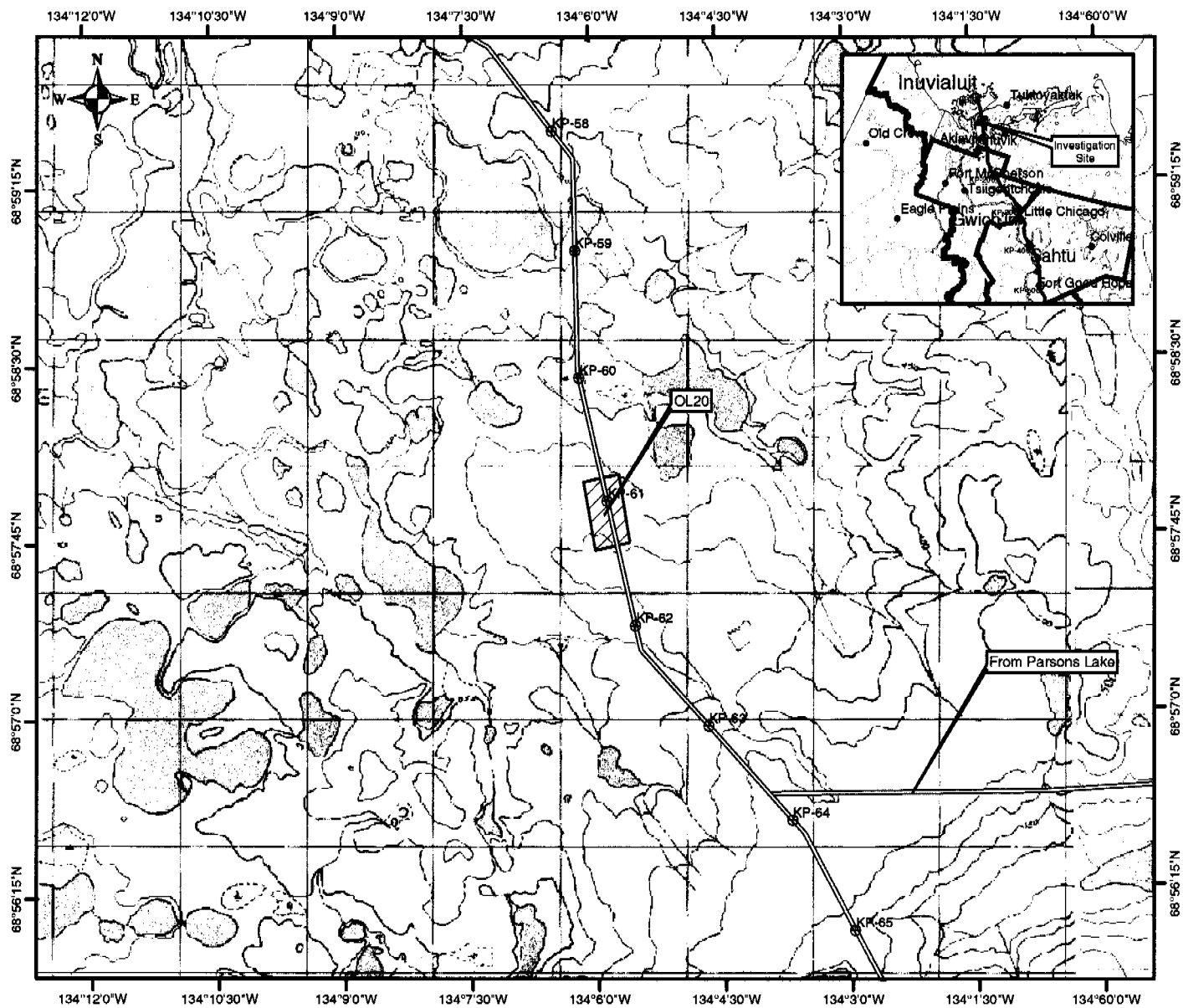
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Comments:

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ArcGIS DRAWING NO MANUAL CHANGES



LEGEND

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

MACKENZIE DELTA
OVERLAND SITE # 20

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglintgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT**

**MACKENZIE GAS PROJECT
OVERLAND SITE # 20
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

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IOR DRAWING NUMBER
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Site ID OL21**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.94196456580
Longitude: -134.06053631400

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

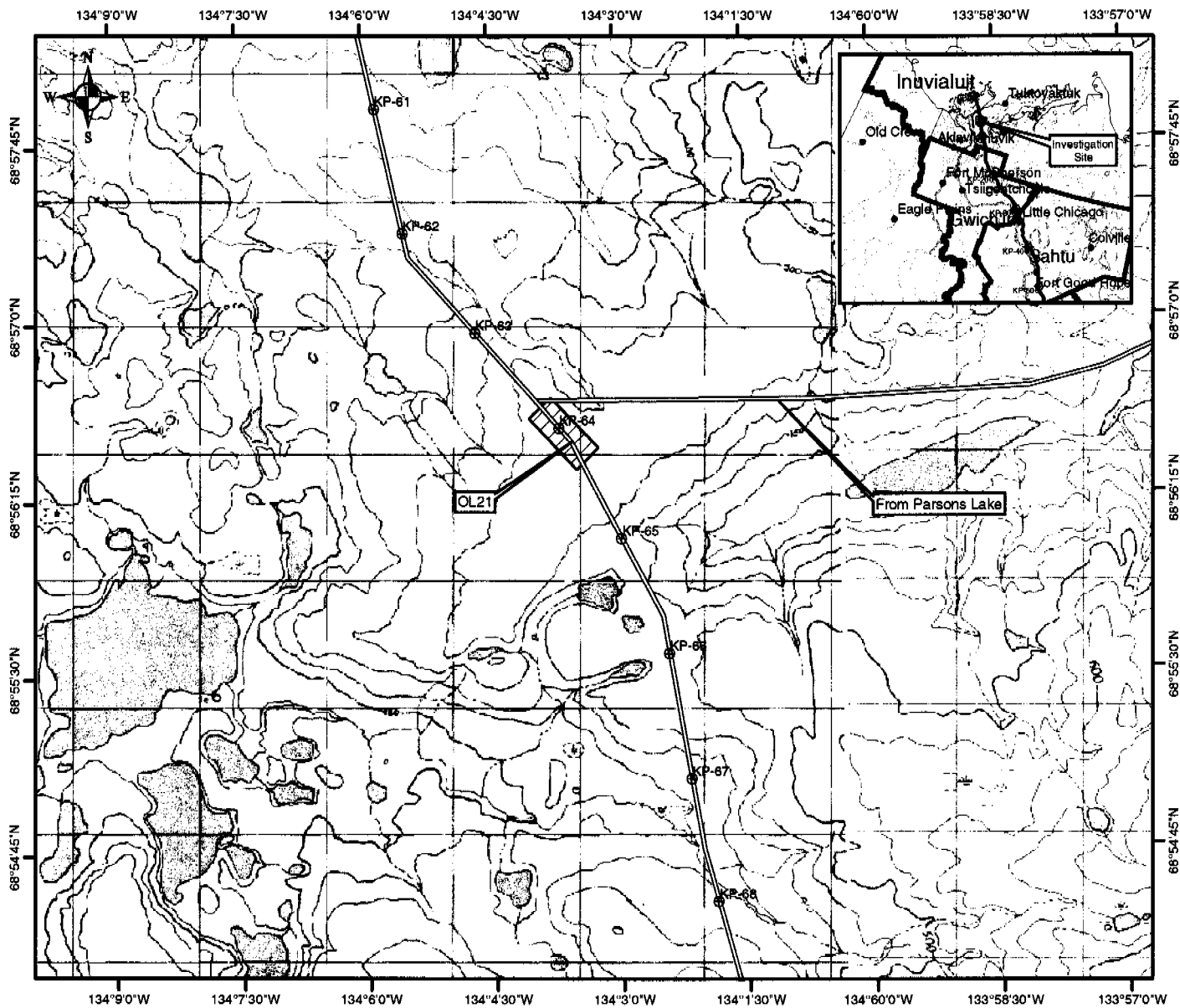
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS 107-0000-011-067 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

1 0.5 0 1
Kilometres

**MACKENZIE DELTA
OVERLAND SITE # 21****NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigligtack Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 21
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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Site ID OL22**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.90881562800
Longitude: -134.03148120000

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

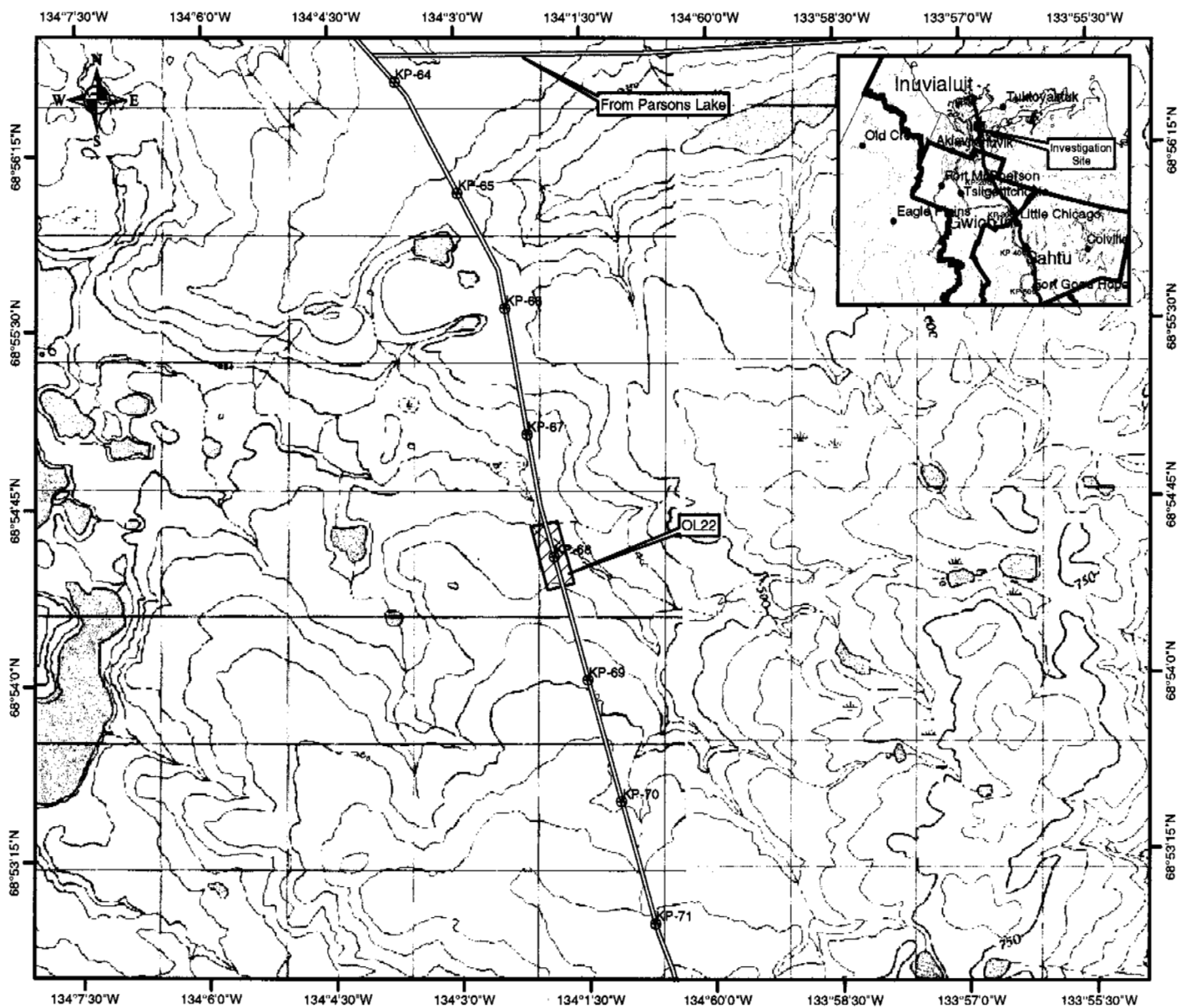
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS 107-0000-011-068 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▭ INVESTIGATION SITE

**NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

**AKLAVIK EAST
OVERLAND SITE # 22**

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglingak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 22
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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BTDESIGN
GMAPPR.
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IOR DRAWING NUMBER

107-0000-011-068 000

REV.
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Site ID OL23**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.87400751790
Longitude: -134.00399770600

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

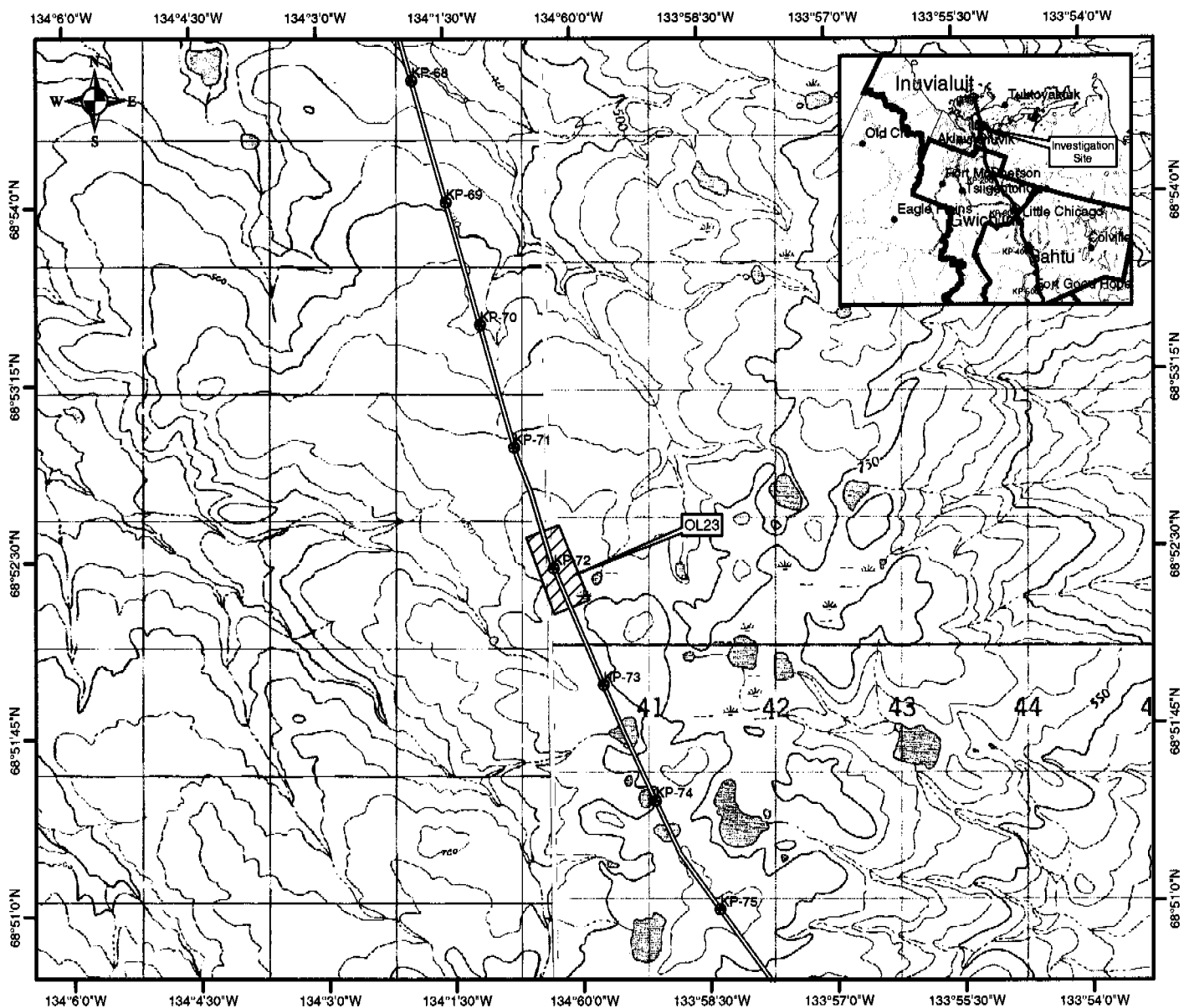
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-069 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- == PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

1 0.5 0 1
Kilometres

AKLAVIK EAST
OVERLAND SITE # 23

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigligtgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT**

**MACKENZIE GAS PROJECT
OVERLAND SITE # 23
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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GMAPPR.
LGDATE
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107-0000-011-069 000REV.
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Site ID OL24**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.84282865960
Longitude: -133.95842183600

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

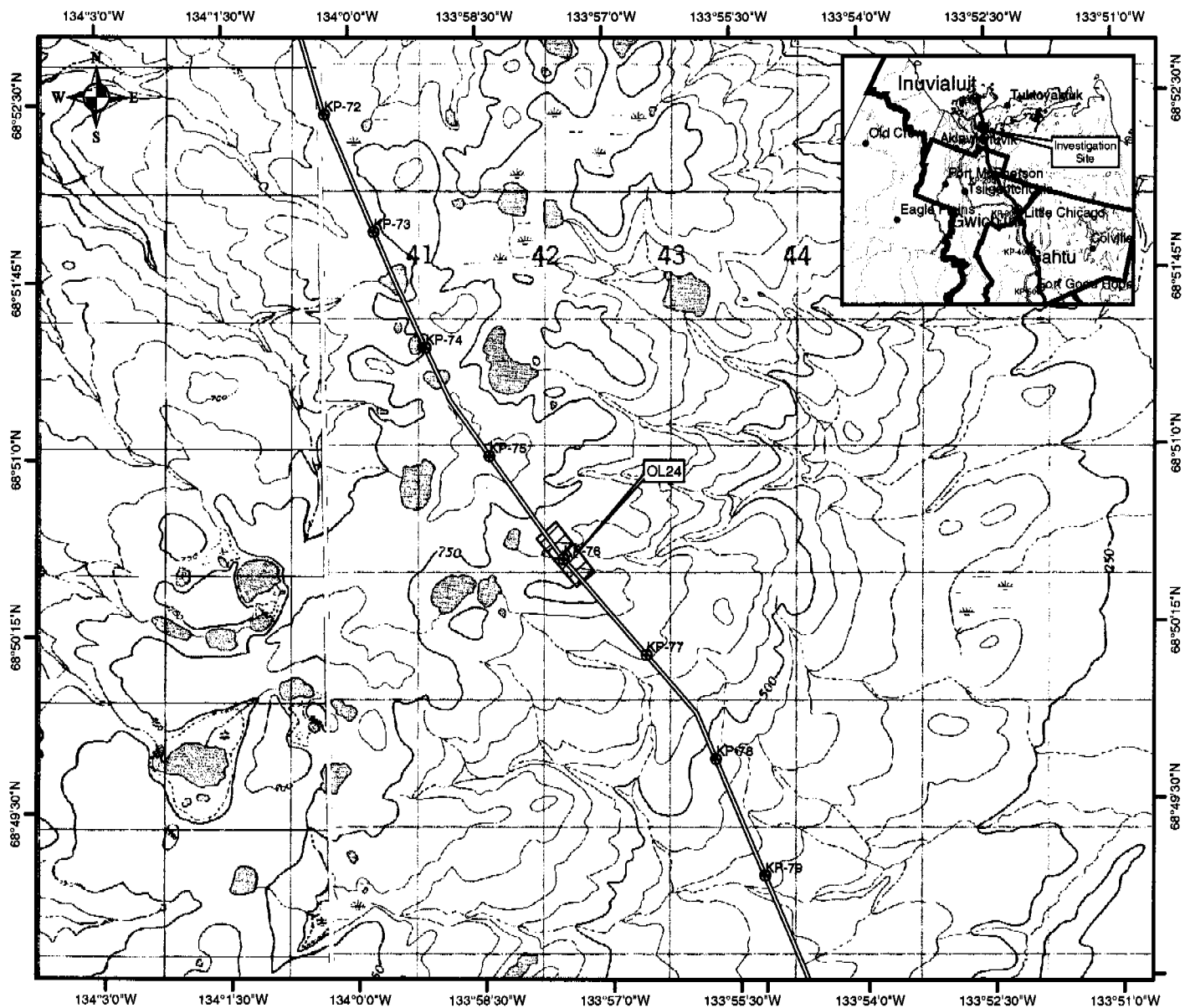
Comments:

Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

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A-MAP-P OCT 11 2005

ArcGIS 107-0000-011-070 000

ArcGIS DRAWING NO MANUAL CHANGES



LEGEND

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE



AKLAVIK EAST
OVERLAND SITE # 24

NOTES:

1. OL # Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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**MACKENZIE
GAS
PROJECT**

**MACKENZIE GAS PROJECT
OVERLAND SITE # 24
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN
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GM

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DATE
02 11 05

SCALE
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IOR DRAWING NUMBER

107-0000-011-070 000

REV.
0

Site ID OL25**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.81143162950
Longitude: -133.91111331600

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

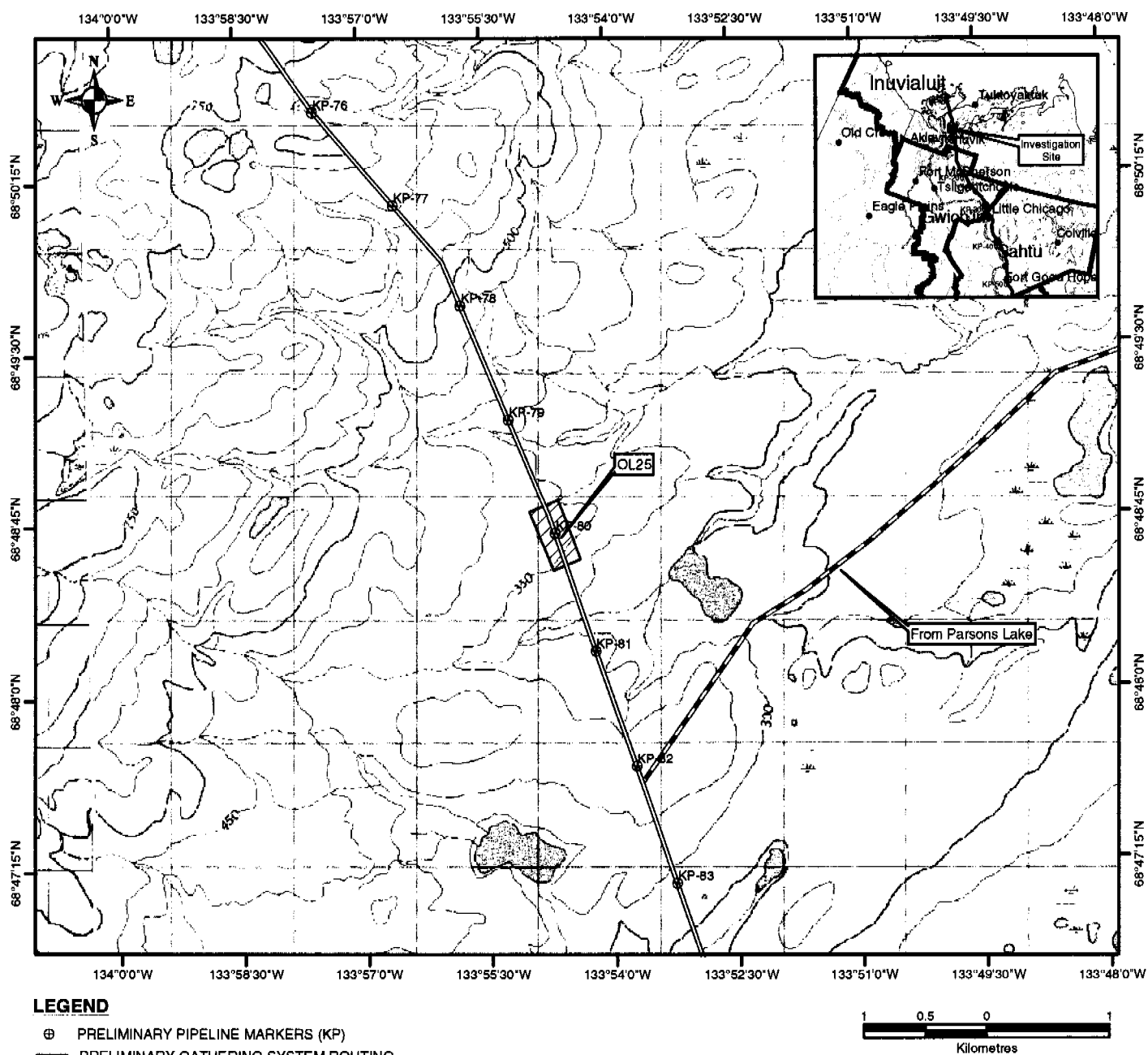
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

ArcGIS 107-0000-011-071 000

ArcGIS DRAWING NO MANUAL CHANGES



A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 25 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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LGDATE
02 11 05SCALE
1:50,000IOR DRAWING NUMBER
107-0000-011-071 000REV.
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Site ID OL28**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.97173600740
Longitude: -134.06075204700

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

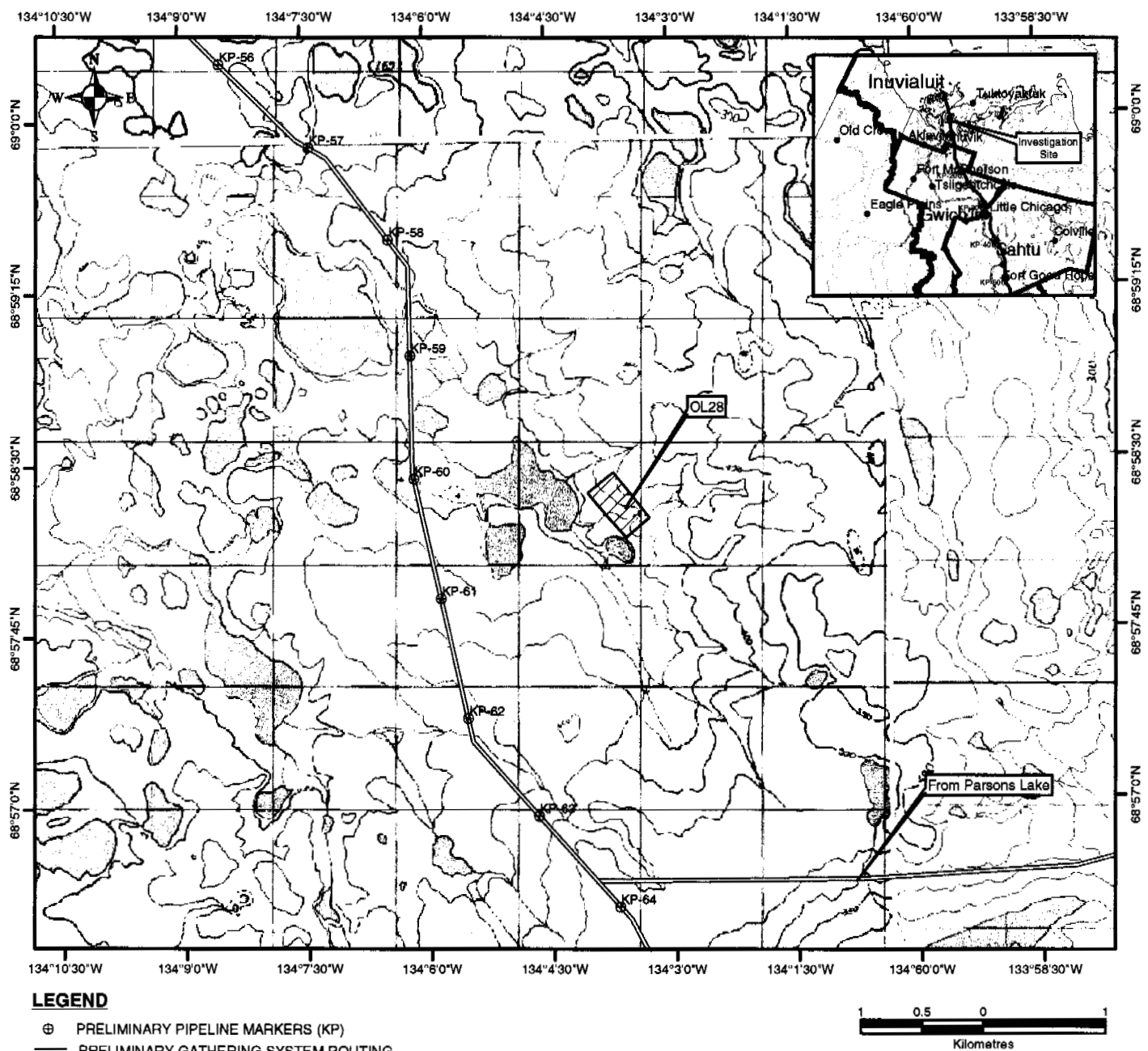
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

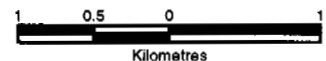
Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

ArcGIS 107-0000-011-074 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- == PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

**MACKENZIE DELTA
OVERLAND SITE # 28**

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 28
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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02 11 05

SCALE

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IOR DRAWING NUMBER

107-0000-011-074 000

REV.

0

Site ID OL29**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.93747395560
Longitude: -134.02123316900

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

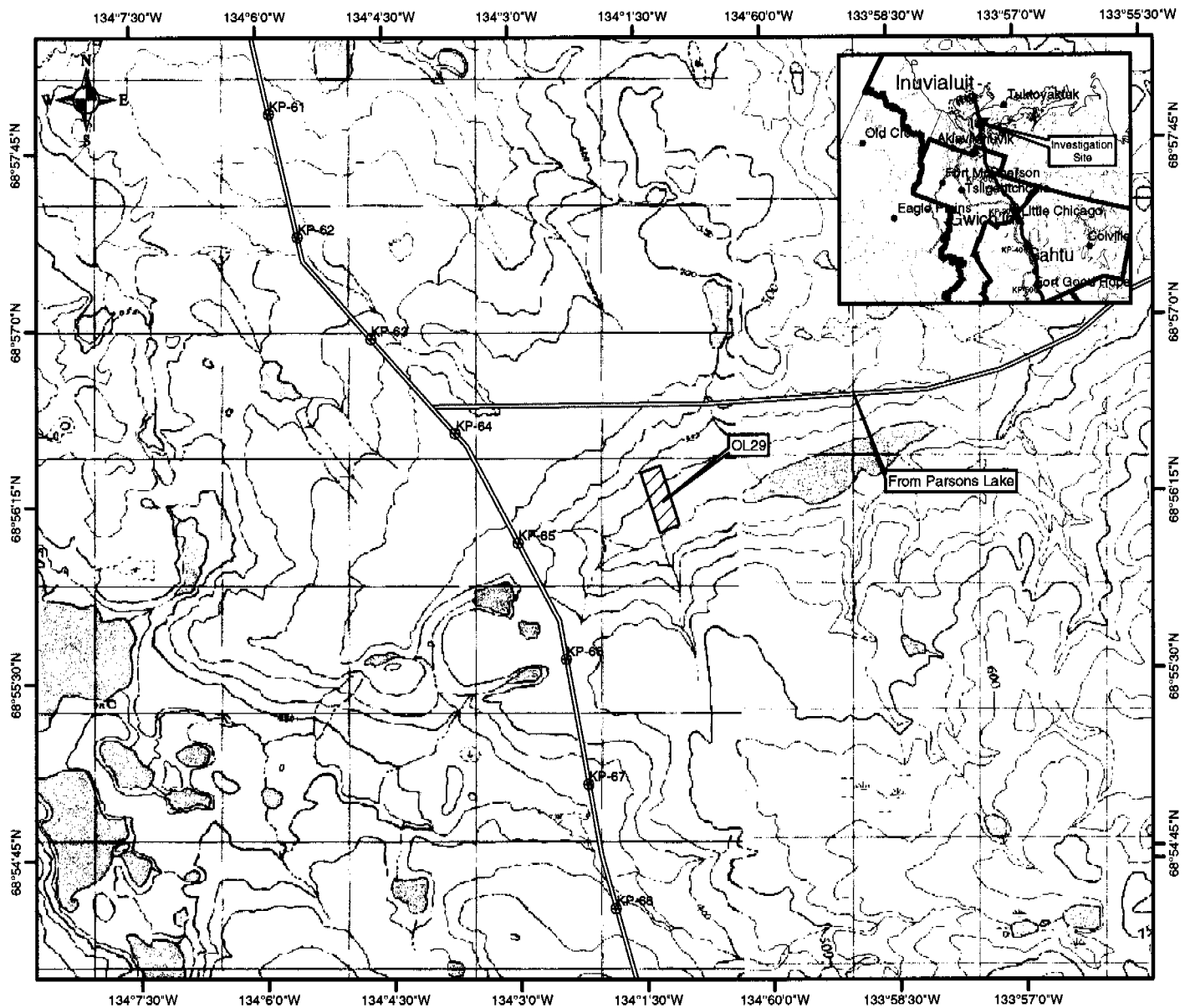
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-075 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

1 0.5 0 1
Kilometres

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

**MACKENZIE DELTA
OVERLAND SITE # 29**

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigligtag Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 29
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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DATE

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SCALE

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IOR DRAWING NUMBER

107-0000-011-075 000

REV.

0

Site ID OL30**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.90750021350
Longitude: -133.97779958400

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

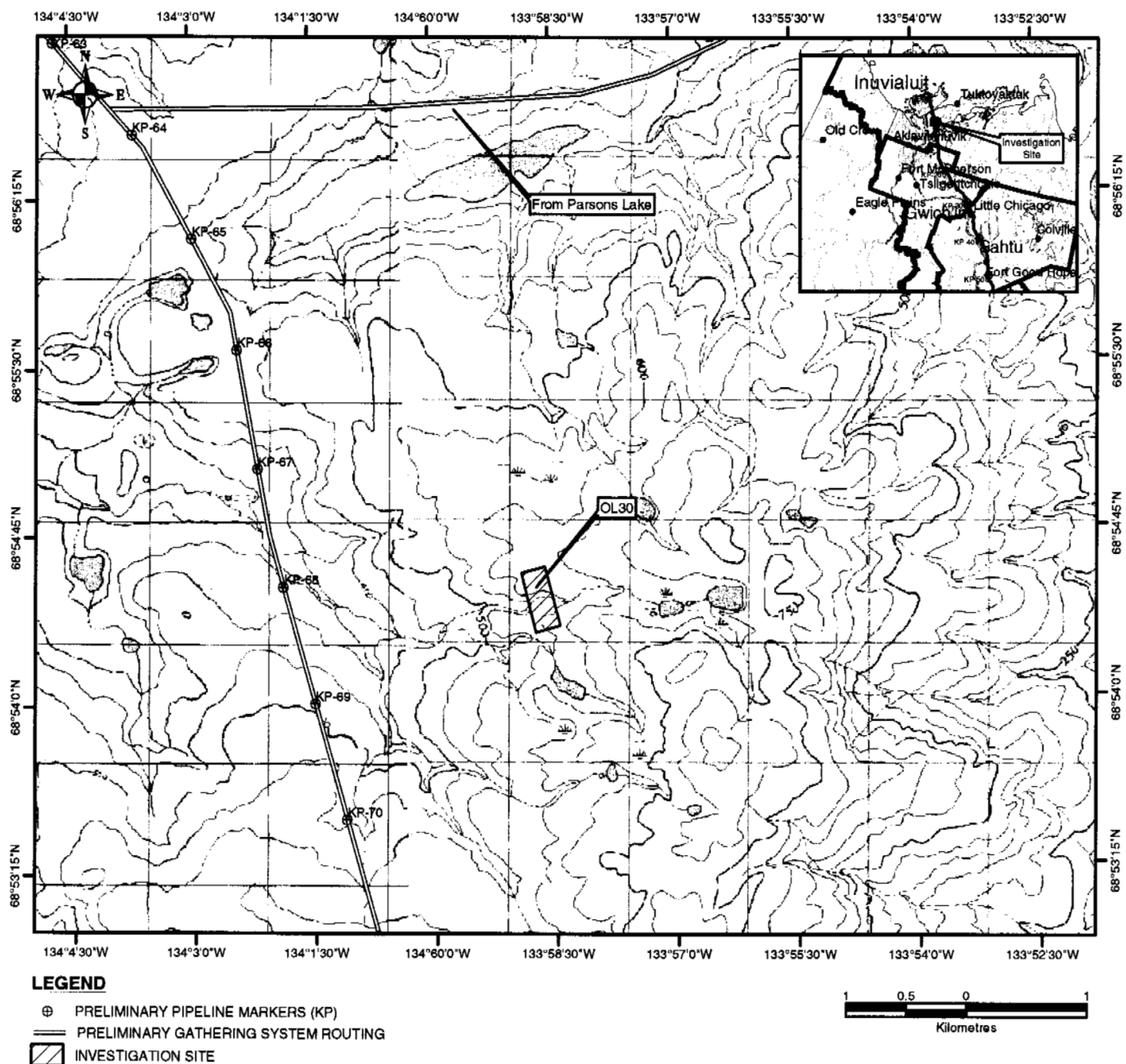
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-076 000



MACKENZIE DELTA OVERLAND SITE # 30

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglingak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 30 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN

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DATE

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SCALE

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IOR DRAWING NUMBER

107-0000-011-076 000

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Site ID OL31**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.87115595900
Longitude: -133.93619330400

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

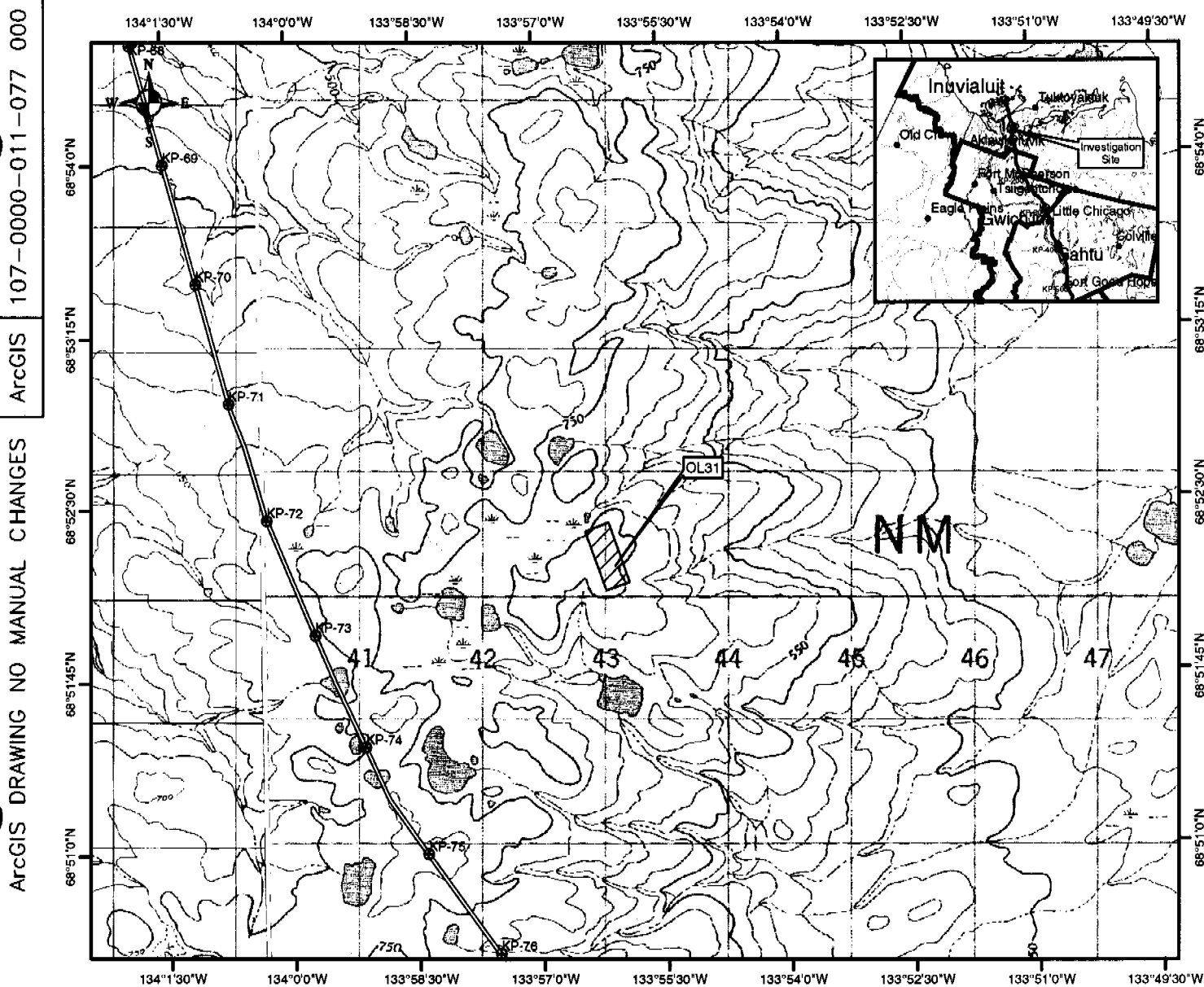
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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AKLAVIK EAST OVERLAND SITE # 31

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 31 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-077 000

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Site ID OL32**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.78614031010
Longitude: -133.88769720700

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

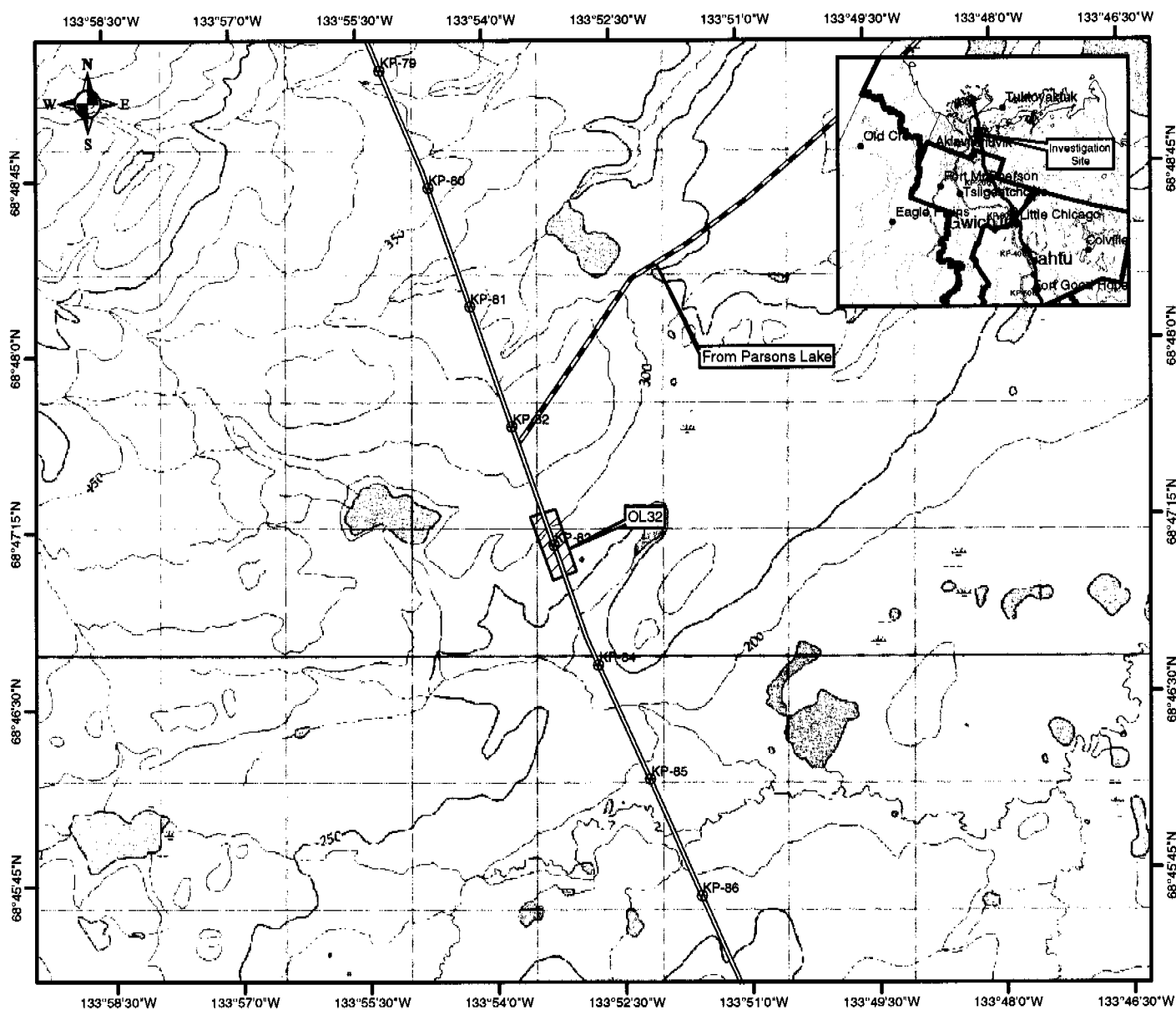
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Comments:

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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-078 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- - - ALTERNATE GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

AKLAVIK EAST
OVERLAND SITE # 32

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglintgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 32
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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LGDATE
02 11 05SCALE
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IOR DRAWING NUMBER

107-0000-011-078 000

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Site ID OL33**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.75265636680
Longitude: -133.84967633200

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

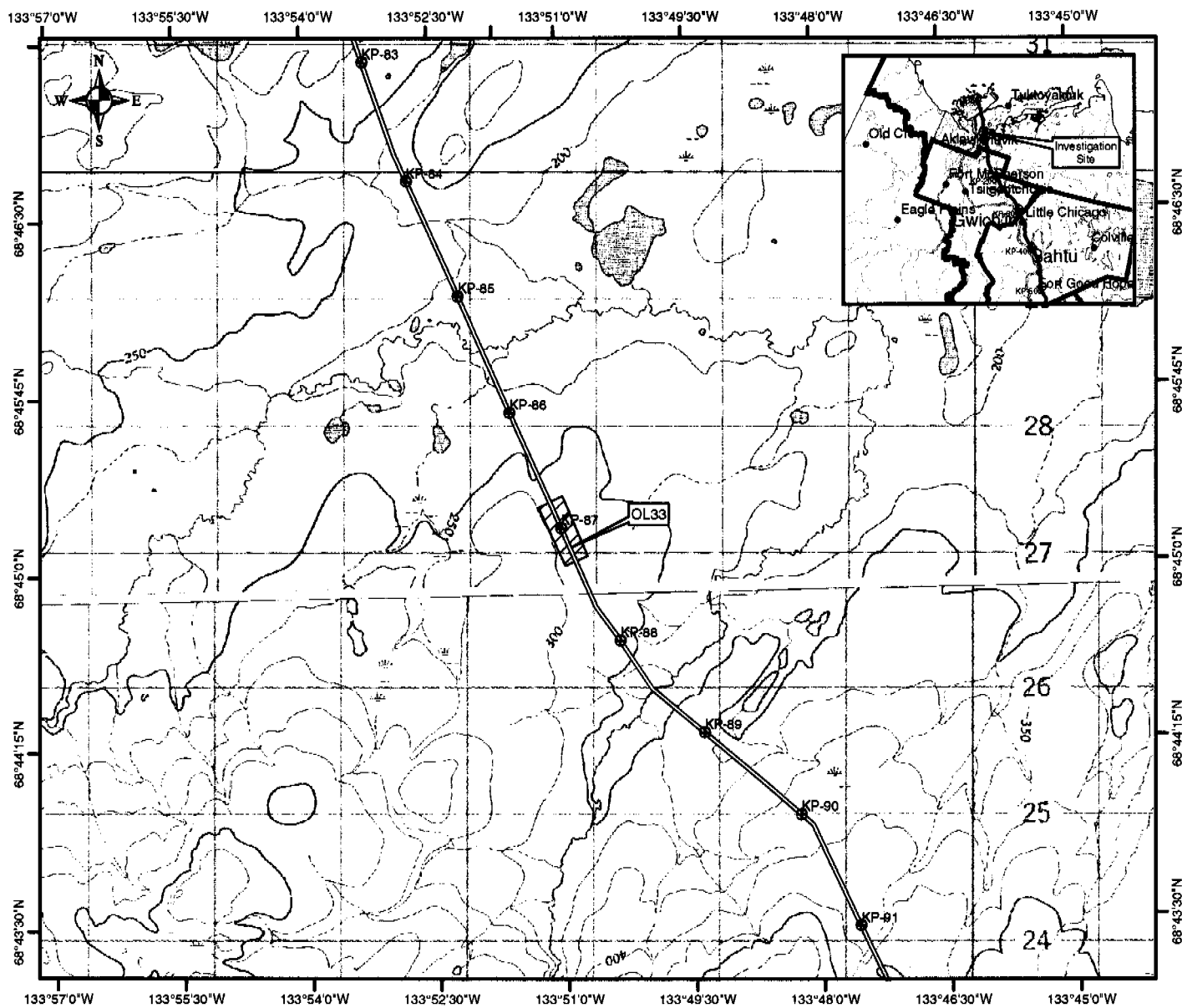
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A-MAP-P OCT 12

ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS

107-0000-011-079 000



LEGEND

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE



NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

AKLAVIK EAST
OVERLAND SITE # 33

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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**MACKENZIE
GAS
PROJECT**

**MACKENZIE GAS PROJECT
OVERLAND SITE # 33
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN
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DATE
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SCALE
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IOR DRAWING NUMBER
107-0000-011-079 000

REV.
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Site ID OL34**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.72420419320
Longitude: -133.79225865500

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

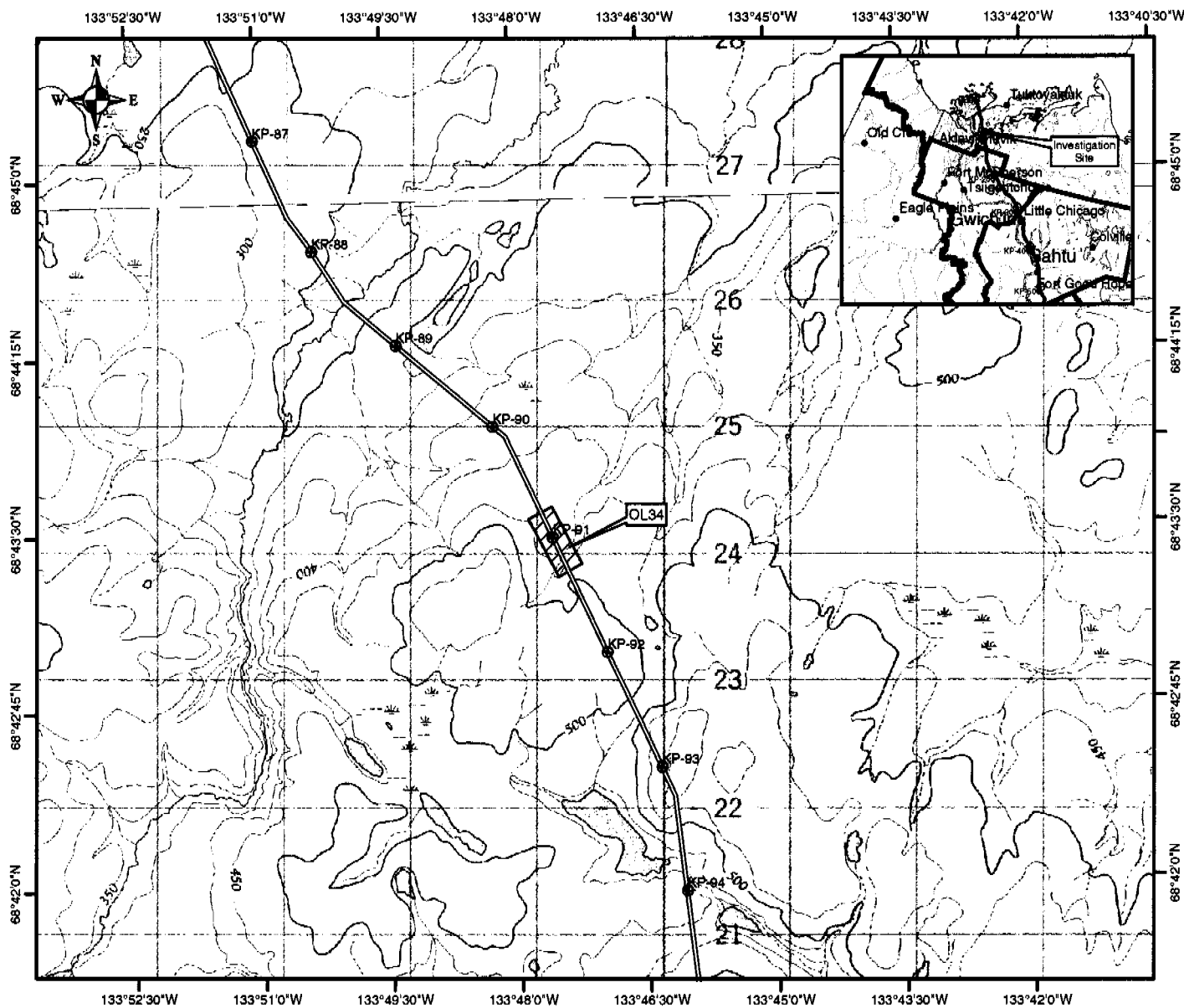
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-080 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

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**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 34
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN
MLCHECK
BTDESIGN
GMAPPR.
LGDATE
02 11 05SCALE
1:50,000

IOR DRAWING NUMBER

107-0000-011-080 000

REV.

0

Site ID OL35**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.68971928140
Longitude: -133.76567746800

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

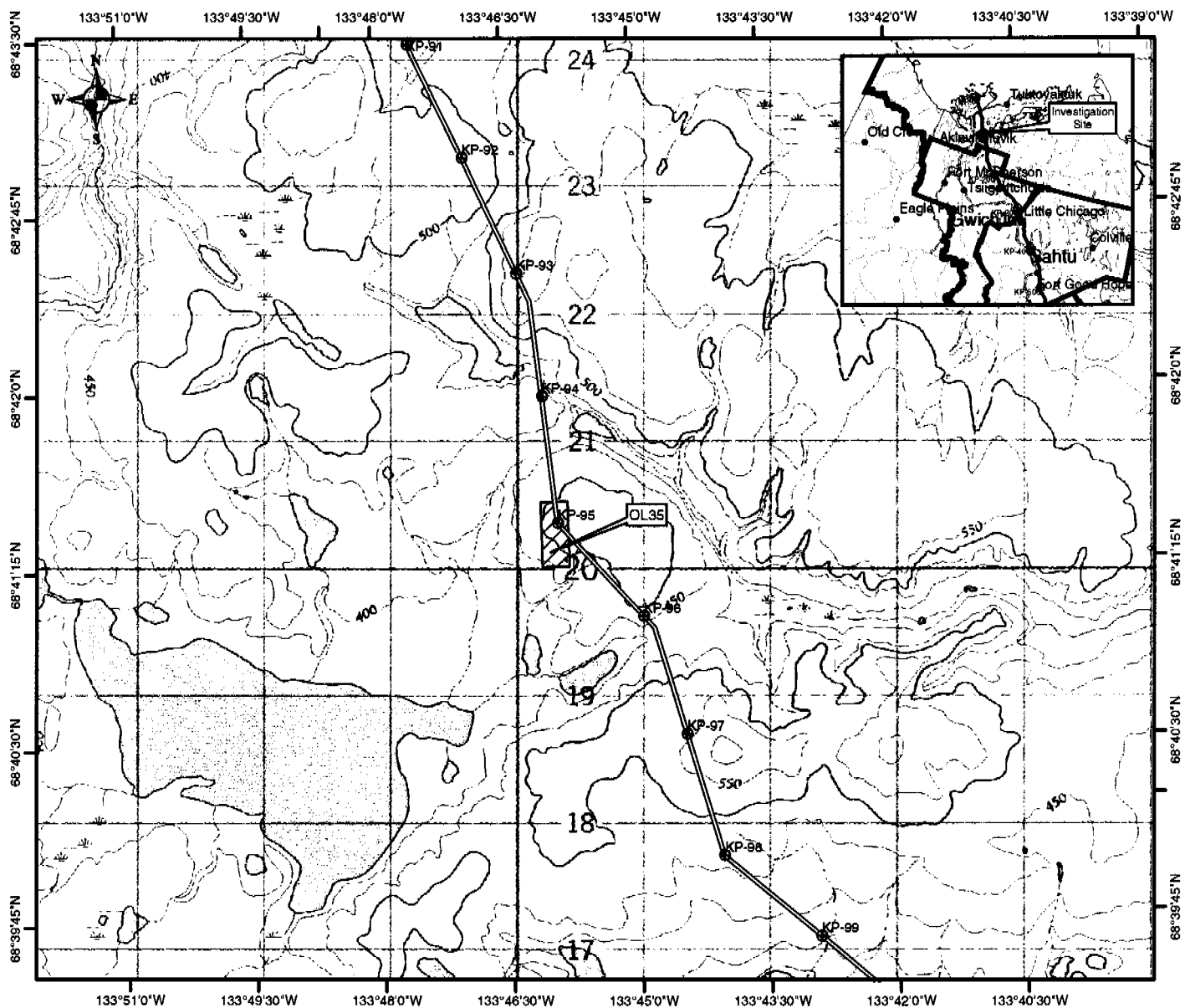
Comments:

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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-081 000



LEGEND

- PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

1 0.5 0 1
Kilometres

AKLAVIK EAST
OVERLAND SITE # 35

NOTES:

1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglingak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT**

**MACKENZIE GAS PROJECT
OVERLAND SITE # 35
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN
ML

CHECK
BT

DESIGN
GM

APPR.
LG

DATE
02 11 05

SCALE
1:50,000

IOR DRAWING NUMBER

107-0000-011-081 000

REV.
0

Site ID OL36**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.01
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.47165881240
Longitude: -133.32022932100

ACCESS (m)**

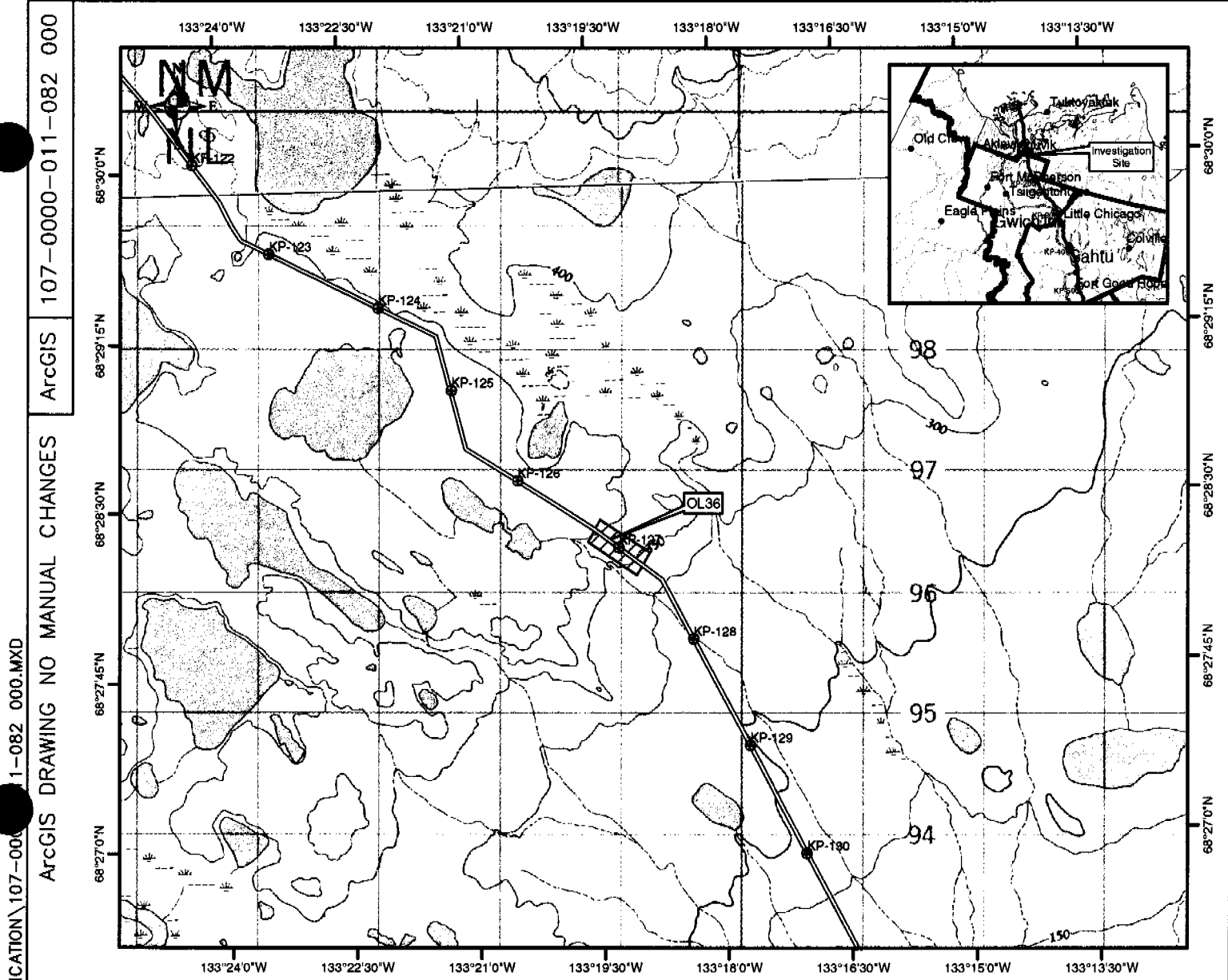
New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.



LEGEND

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- == PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE



INUVIK SOUTH OVERLAND SITE # 36

NOTES:
1. OL# Reflect ColtKBR project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Niglintgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT OVERLAND SITE # 36 FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME		CONTRACTOR DRAWING NUMBER	
COLTKBR		99-C-3079	

DRAWN	CHECK	DESIGN	APPR.	DATE	SCALE	IOR DRAWING NUMBER	REV.
ML	BT	GM	LG	02 11 05	1:50,000	107-0000-011-082 000	0

Site ID OL37**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 9.695
Boreholes: 1
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Overland Borehole
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.43259383220
Longitude: -133.26117400600

ACCESS (m)**

New Access: 1785
Existing Access: 7900

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

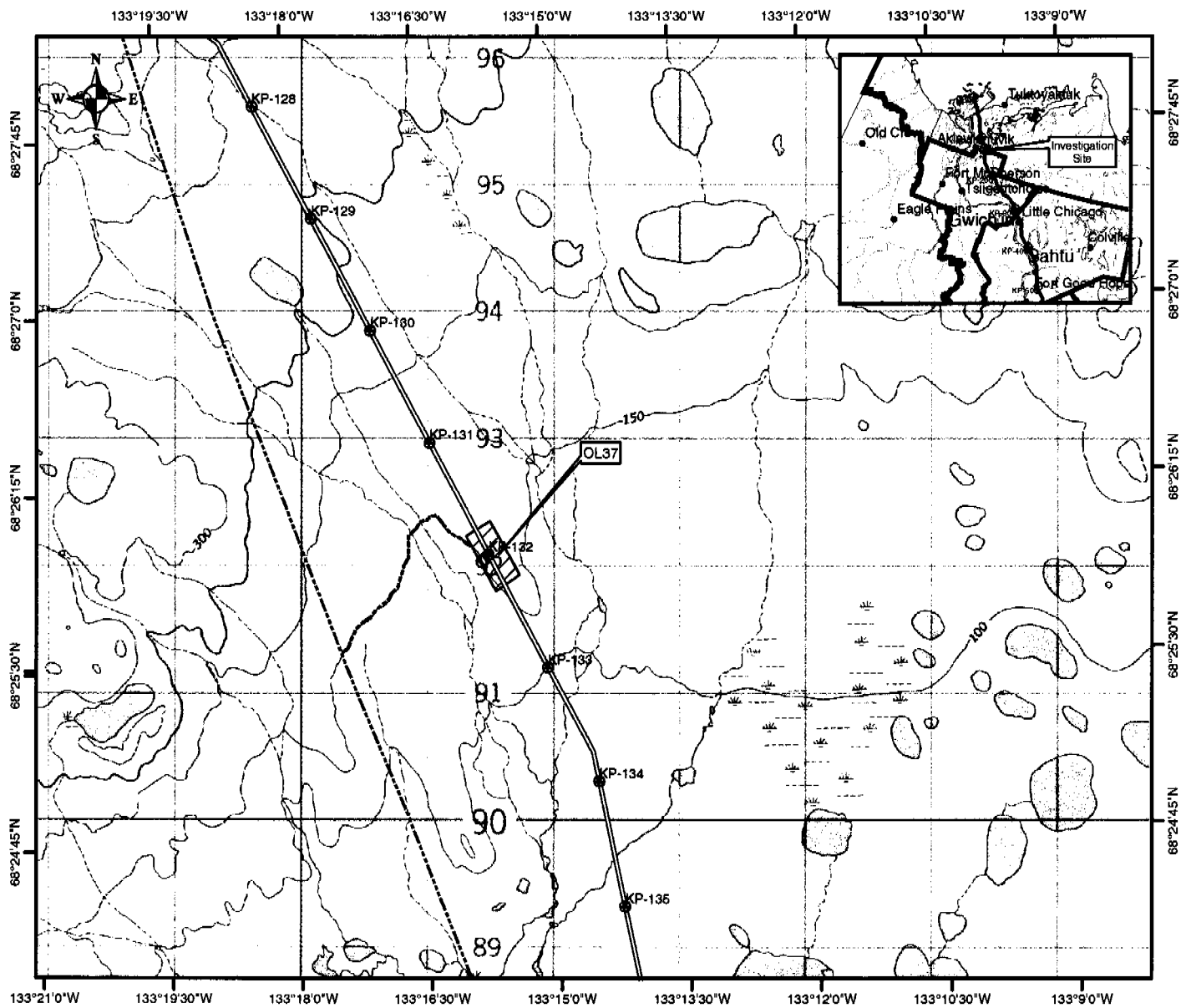
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

None/TBD

ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-083 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- NEW CUTLINES
- EXISTING CUTLINES
- ▨ INVESTIGATION SITE

**NOTES:**

1. OL# Reflect ColtKBR project assigned numbers.

**INUVIK SOUTH
OVERLAND SITE # 37**

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigligtgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
OVERLAND SITE # 37
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-083 000

REV.

0

Site ID 2.018BP**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.06
Boreholes: 0
Test Pits: 0
Boreholes/Test Pits*: 6

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.78973774660
Longitude: -134.13204032700

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

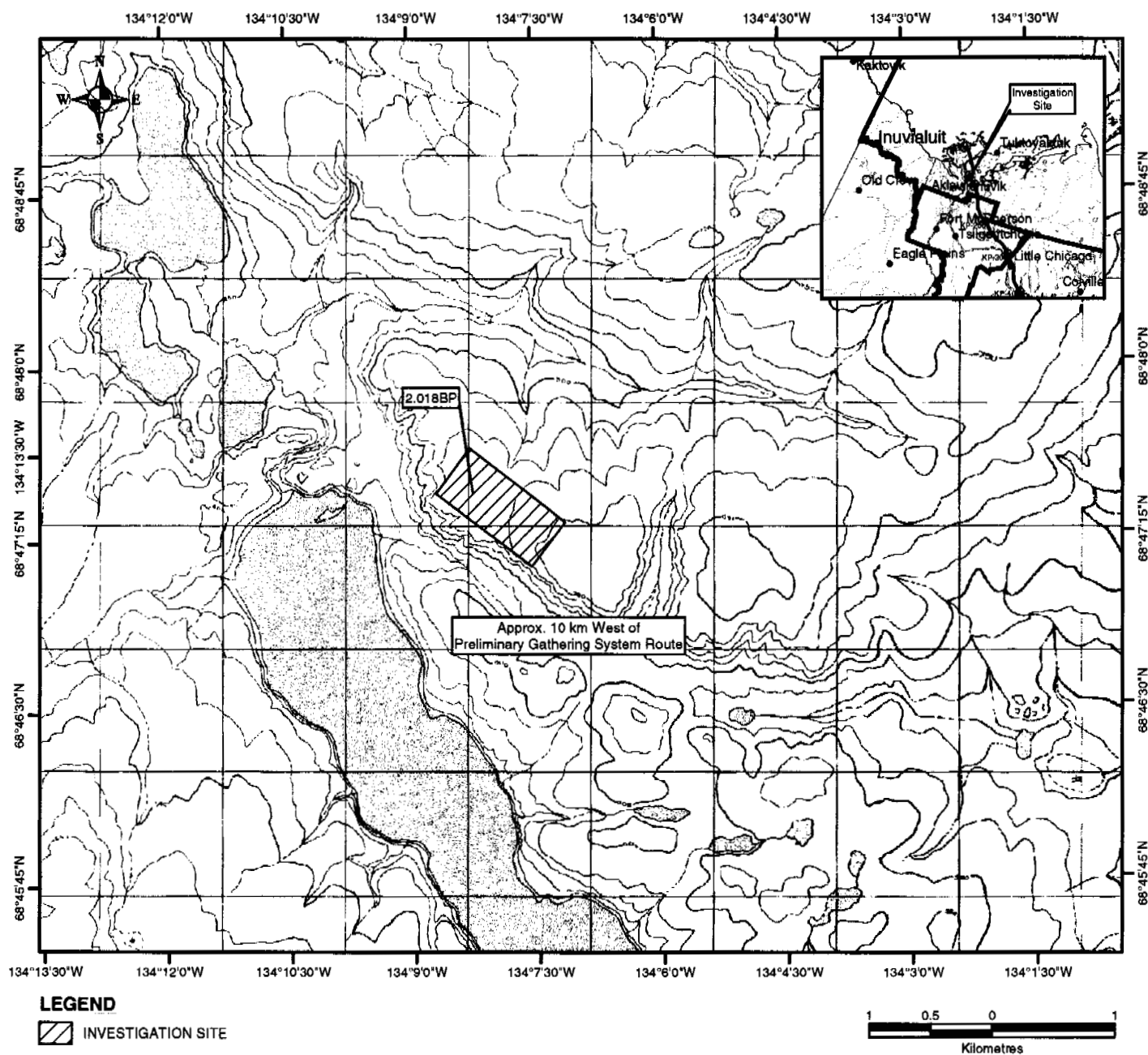
Comments:

Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

107-0000-011-036 000

ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS

**LEGEND**

INVESTIGATION SITE

NOTES:

1. ##### Numbers reflect Government naming convention for borrow sites.

**MACKENZIE DELTA
BORROW SITE # 2.018BP**

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigligtgak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
BORROW SITE # 2.018BP
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-036 000

REV.
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Site ID 2.019EP**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.06
Boreholes: 4
Test Pits: 2
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.88385752570
Longitude: -134.08258220400

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

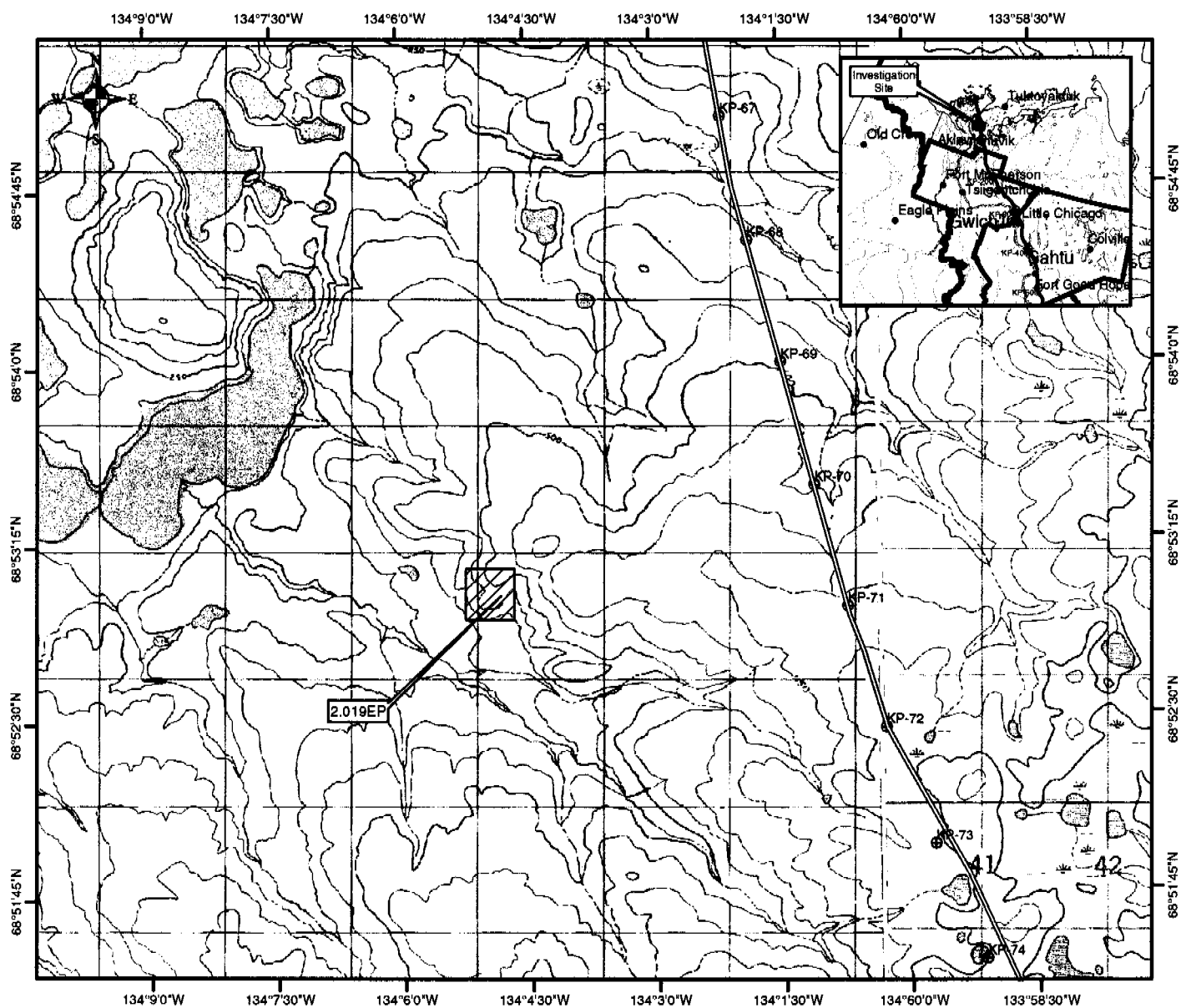
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

Access to the proposed investigation site has yet to be finalized, however all efforts will be made to utilize existing trails, winter roads and cutlines when and where feasible. Where existing trails, winter roads and cut lines do not exist, new access will be constructed using approved methods under the appropriate regulations for the region. Care will be taken to avoid steep slopes, sidehill and environmentally sensitive areas, while maintaining a direct route to the site. Efforts will be made to retain riparian vegetation and minimize disturbance to streambanks along the constructed access at points where access intersects watercourse crossings.

ArcGIS 107-0000-011-031 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**NOTES:**

1. #.### Numbers reflect Government naming convention for borrow sites.

AKLAVIK EAST
BORROW SITE # 2.019EP

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigligtack Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

**MACKENZIE
GAS
PROJECT**

**MACKENZIE GAS PROJECT
BORROW SITE # 2.019EP
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-031 000

REV.
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Site ID 2.020P**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.06
Boreholes: 0
Test Pits: 0
Boreholes/Test Pits*: 6

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.92788246560
Longitude: -134.04691966800

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

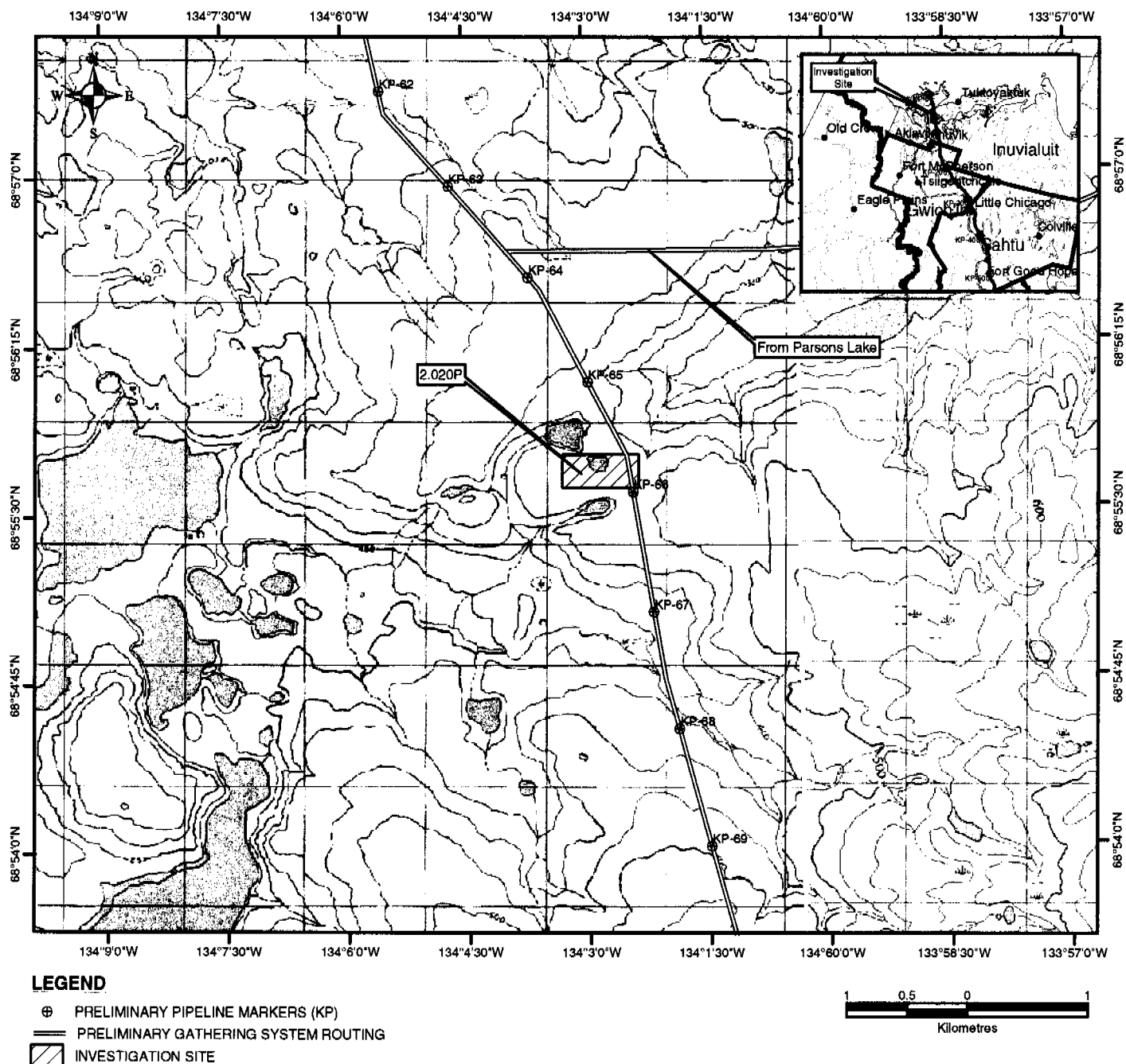
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS 107-0000-011-030 000

ArcGIS DRAWING NO MANUAL CHANGES



A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT BORROW SITE # 2.020P FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-030 000

REV.
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Site ID 2.022P**Inuvialuit Settlement Region****LAND USE**

Land Owner: Crown
Land Use Area (ha): 0.05
Boreholes: 4
Test Pits: 1
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.96507984510
Longitude: -133.95668878300

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

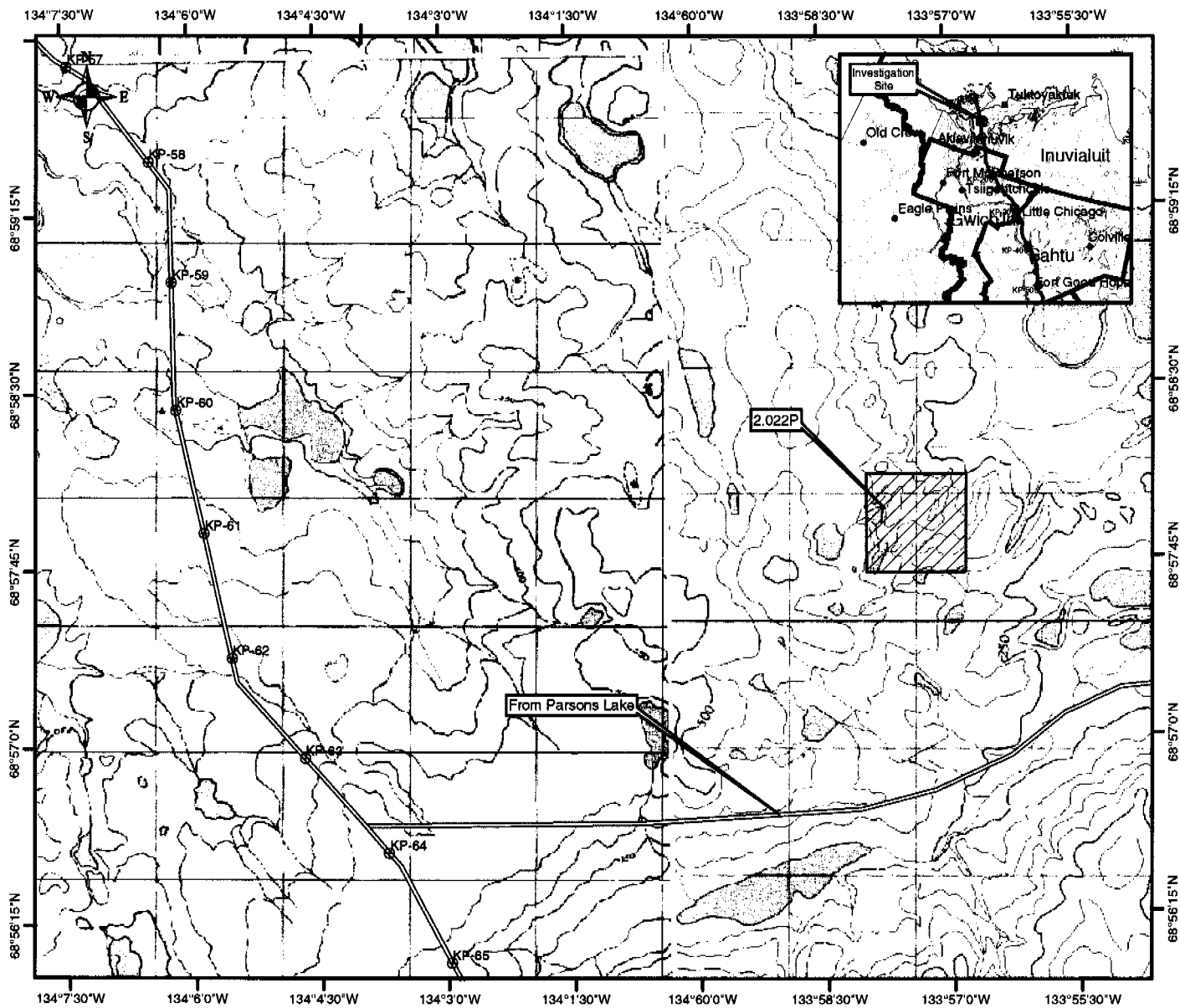
Comments:

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107-0000-011-029 000

ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- == PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**NOTES:**

1. ##### Numbers reflect Government naming convention for borrow sites.

MACKENZIE DELTA
BORROW SITE # 2.022P

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT BORROW SITE # 2.022P FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN
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DATE

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IOR DRAWING NUMBER

107-0000-011-029 000

REV.

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Site ID 2.024P**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.08
Boreholes: 6
Test Pits: 2
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.97949098610
Longitude: -133.79371817000

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

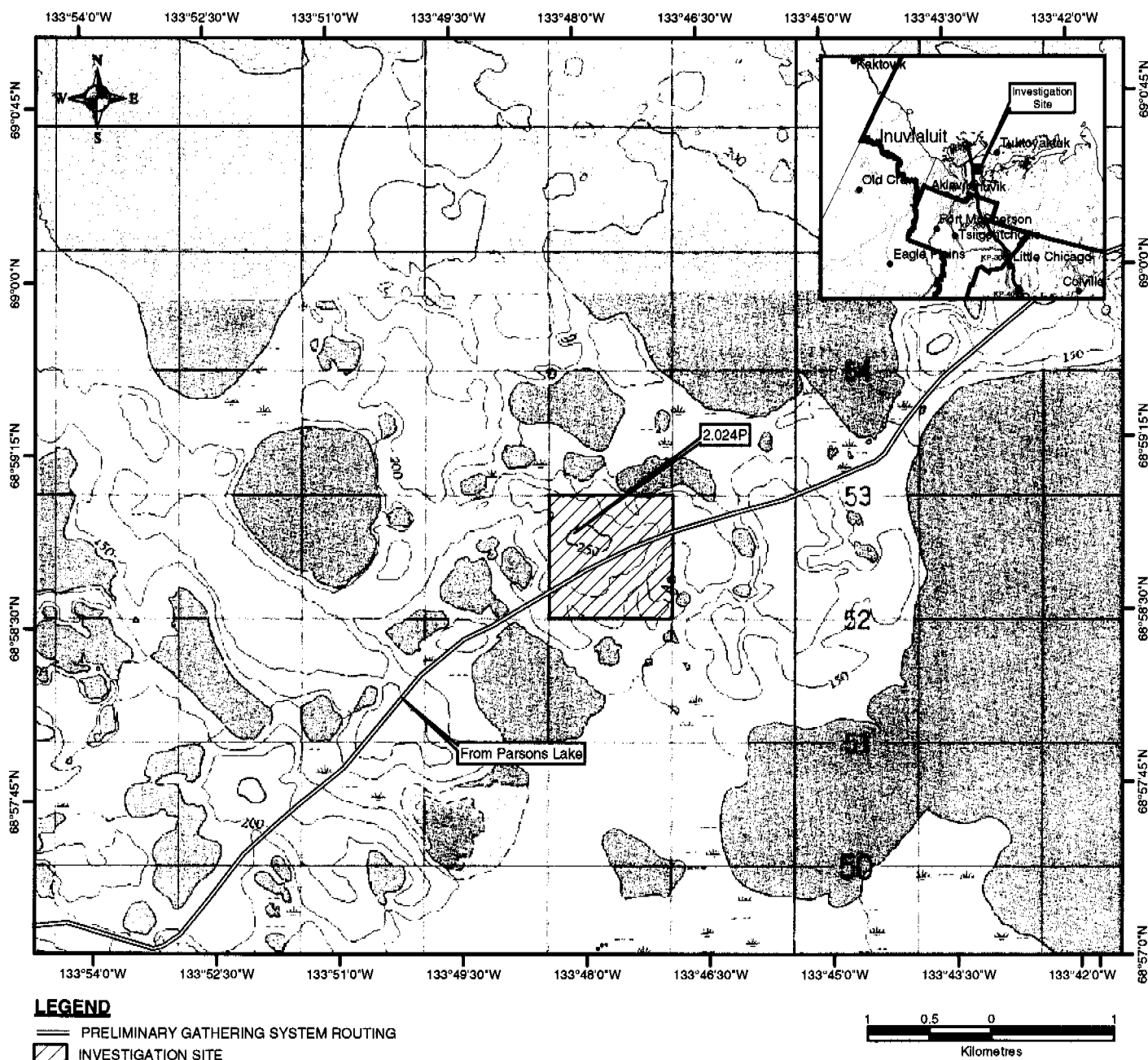
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS 107-0000-011-088 000

ArcGIS DRAWING NO MANUAL CHANGES

**LEGEND**

- PRELIMINARY GATHERING SYSTEM ROUTING
▨ INVESTIGATION SITE

**NOTES:**

1. #.### Numbers reflect Government naming convention for borrow sites.

AKLAVIK EAST
BORROW SITE # 2.024P

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT BORROW SITE # 2.024P FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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IOR DRAWING NUMBER

107-0000-011-088 000

REV.
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Site ID 2.025P**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.05
Boreholes: 4
Test Pits: 1
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.02438261900
Longitude: -133.50872179400

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

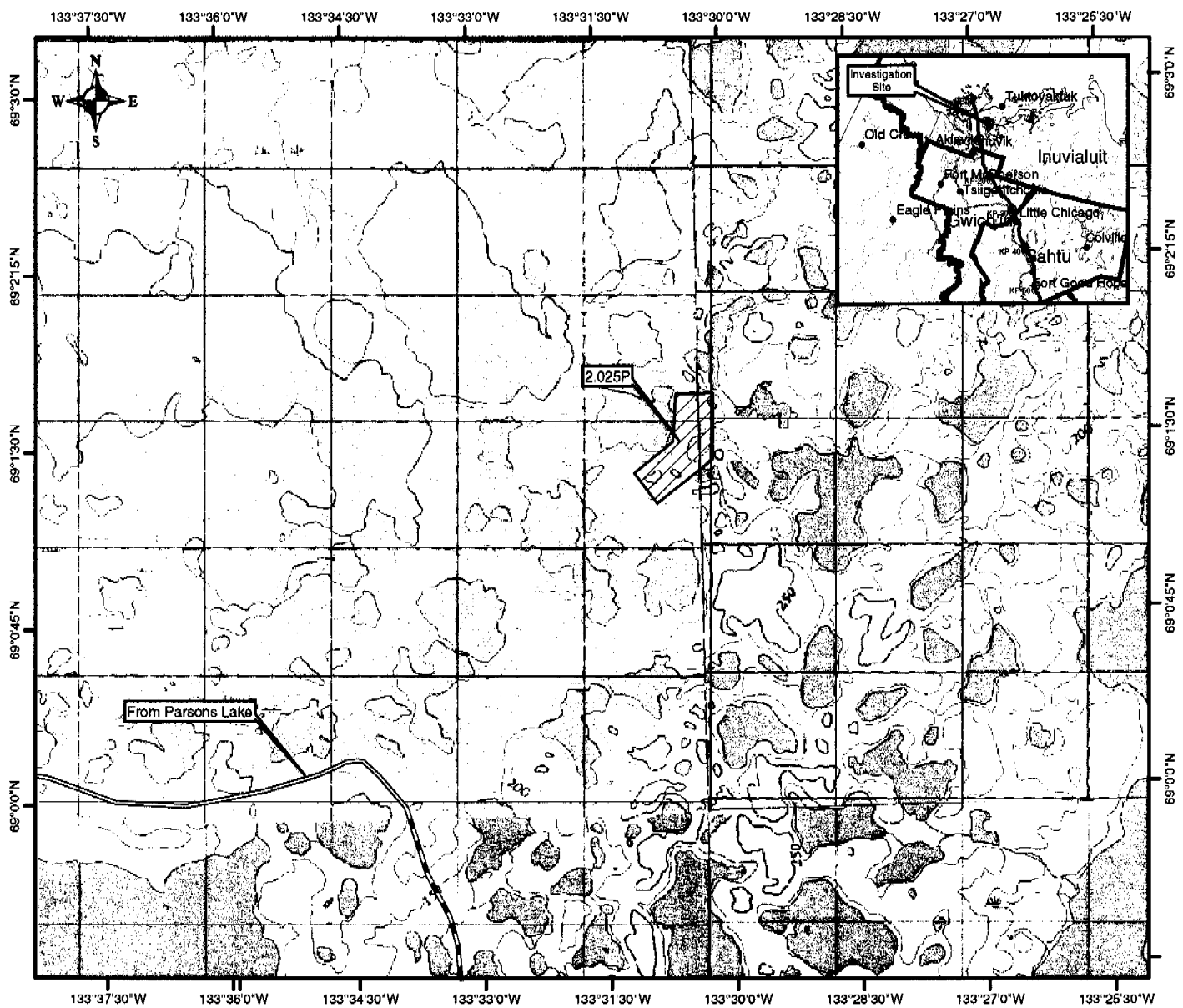
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS 107-0000-011-032 000

ArcGIS DRAWING NO MANUAL CHANGES



LEGEND

- PRELIMINARY GATHERING SYSTEM ROUTING
- ALTERNATE GATHERING SYSTEM ROUTING
- INVESTIGATION SITE



NOTES:

1. ##### Numbers reflect Government naming convention for borrow sites.

AKLAVIK EAST
BORROW SITE # 2.025P

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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**MACKENZIE
GAS
PROJECT**

**MACKENZIE GAS PROJECT
BORROW SITE # 2.025P
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN

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DATE

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SCALE

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IOR DRAWING NUMBER

107-0000-011-032 000

REV.

0

Site ID 2.027P**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.08
Boreholes: 6
Test Pits: 2
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.96747000000
Longitude: -133.39491000000

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

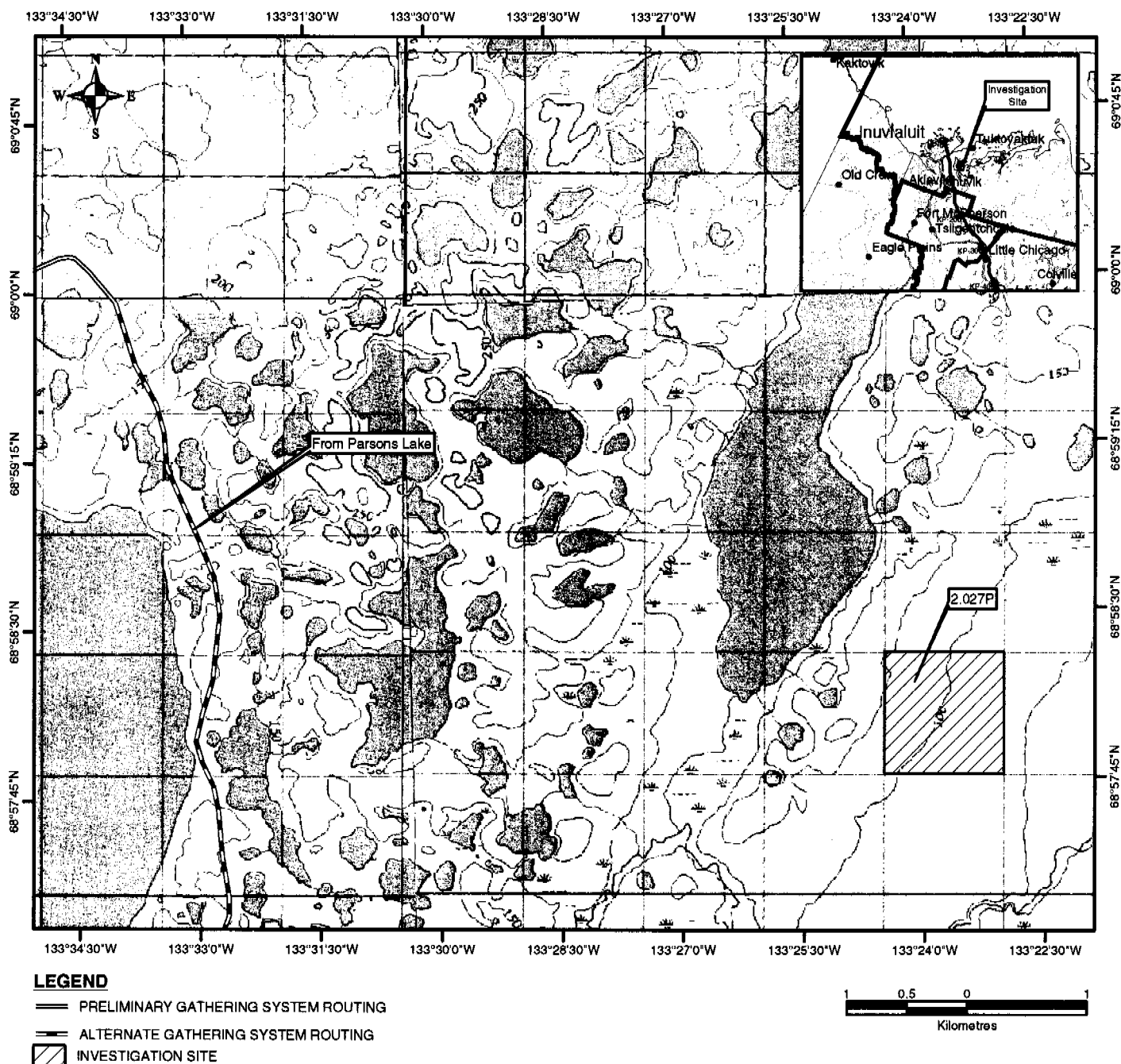
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

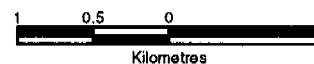
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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-089 000

**LEGEND**

- PRELIMINARY GATHERING SYSTEM ROUTING
- ALTERNATE GATHERING SYSTEM ROUTING
- INVESTIGATION SITE

**NOTES:**

1. ##### Numbers reflect Government naming convention for borrow sites.

AKLAVIK EAST
BORROW SITE # 2.027P

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT BORROW SITE # 2.027P FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

DRAWN

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DESIGN

GM

APPR.

LG

DATE

02 11 05

SCALE

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IOR DRAWING NUMBER

107-0000-011-089 000

REV.

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Site ID 2.028P**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.06
Boreholes: 0
Test Pits: 0
Boreholes/Test Pits*: 6

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.98386377230
Longitude: -133.51485300800

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

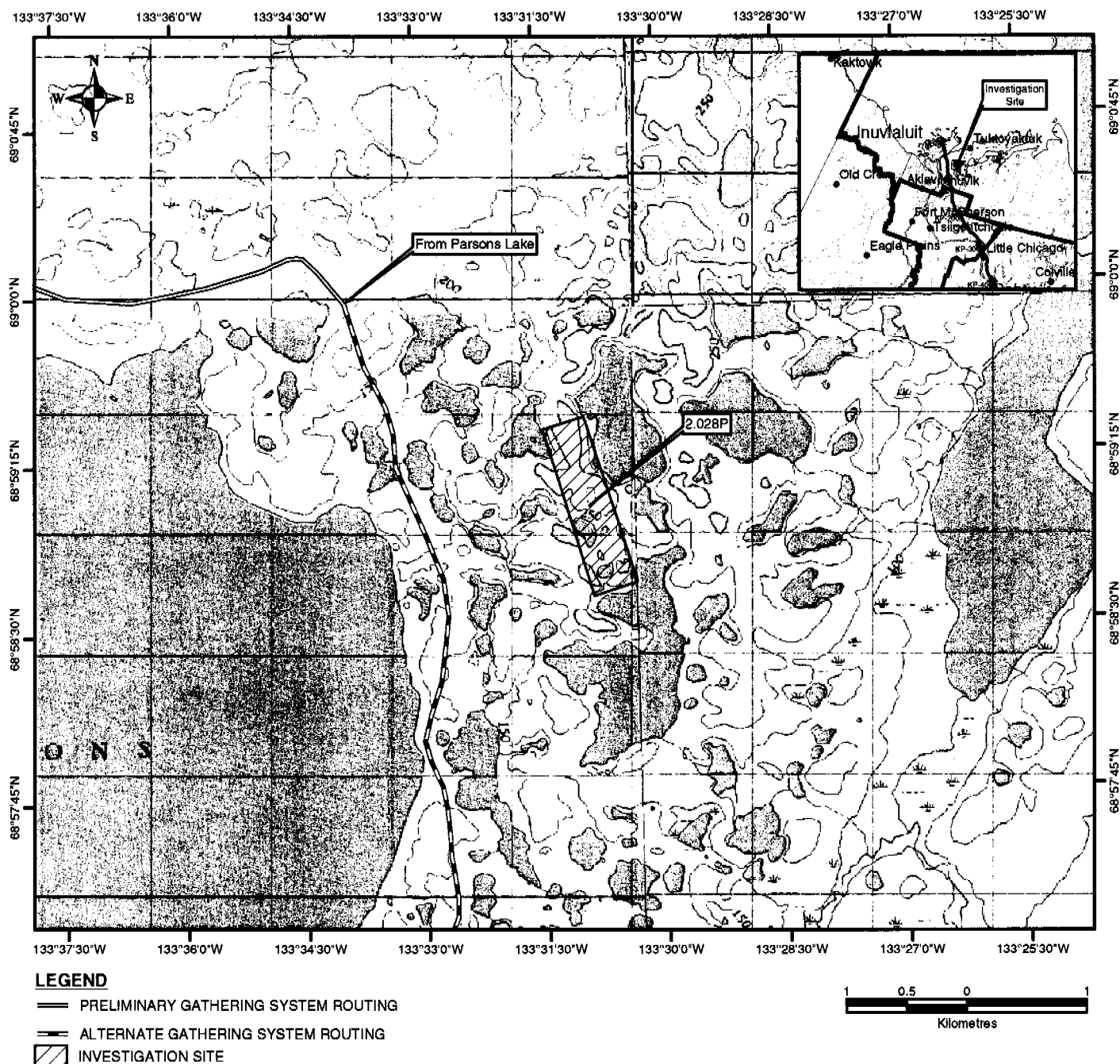
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-034 000

**LEGEND**

- PRELIMINARY GATHERING SYSTEM ROUTING
- ALTERNATE GATHERING SYSTEM ROUTING
- INVESTIGATION SITE

**NOTES:**

1. ##### Numbers reflect Government naming convention for borrow sites.

AKLAVIK EAST
BORROW SITE # 2.028P

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

Imperial is the operator of the Taglu Field. ConocoPhillips is the operator of the Parsons Lake Field. Shell is the operator of the Nigliggak Field. Imperial is the operator of the Gas Gathering and Processing Facilities. Imperial is the operator of the Pipeline from Inuvik to northwestern Alberta.

MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT BORROW SITE # 2.028P FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

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107-0000-011-034 000

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Site ID 2.029P**Inuvialuit Settlement Region****LAND USE**

Land Owner: Crown
Land Use Area (ha): 0.05
Boreholes: 4
Test Pits: 1
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.89963192580
Longitude: -133.90248620800

ACCESS (m)**

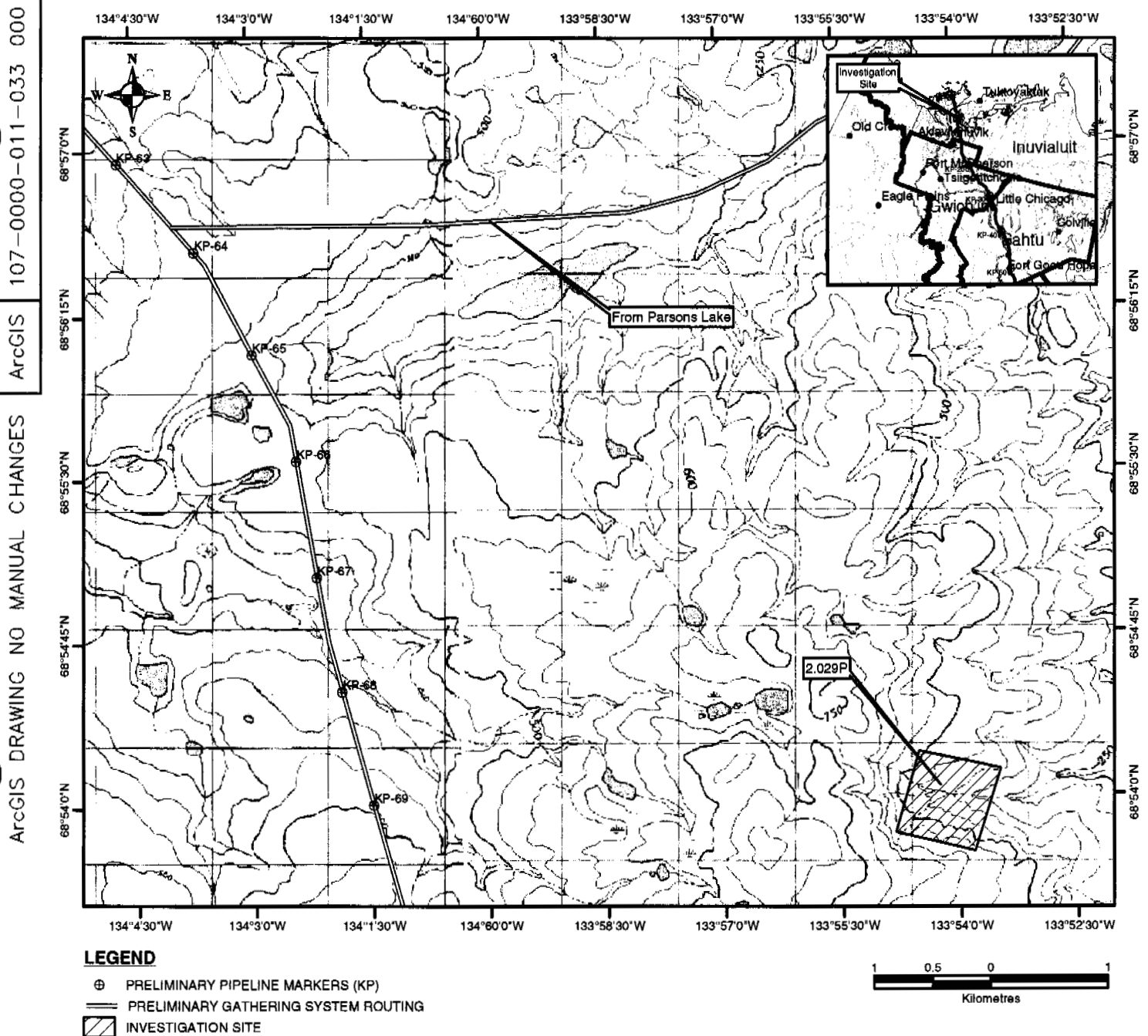
New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT BORROW SITE # 2.029P FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

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Site ID 20.038P**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.04
Boreholes: 3
Test Pits: 1
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.46884633220
Longitude: -133.33213268700

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

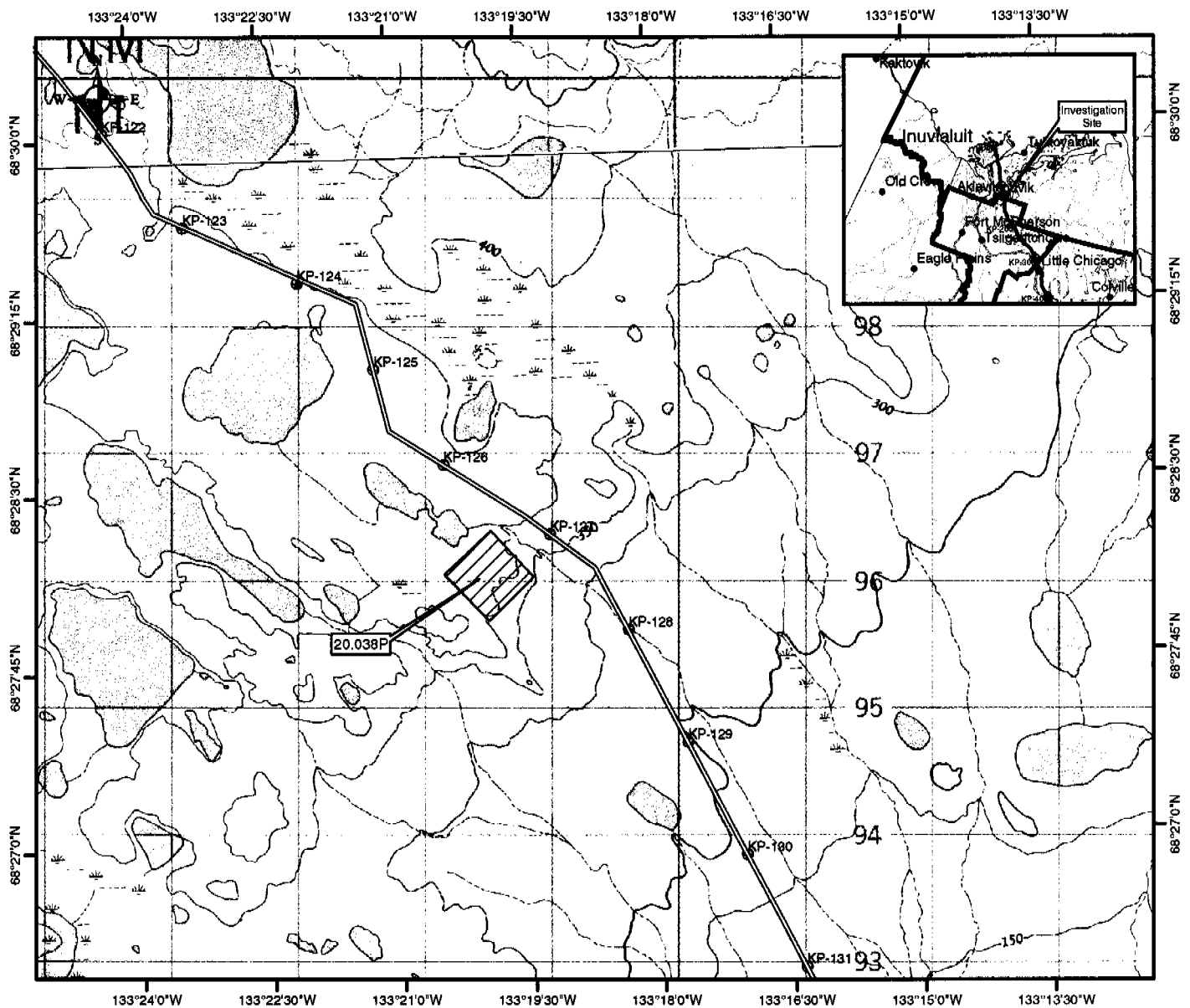
**N/A under Access means lengths are not available at this time, however will be determined and included in the final plan.

Comments:

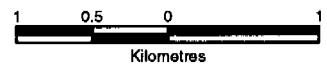
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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-038 000

**LEGEND**

- ⊕ PRELIMINARY PIPELINE MARKERS (KP)
- PRELIMINARY GATHERING SYSTEM ROUTING
- ▨ INVESTIGATION SITE

**INUVIK SOUTH
BORROW SITE # 20.038P****NOTES:**

1. 20.### Reflect IOL project assigned numbers.

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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**MACKENZIE
GAS
PROJECT****MACKENZIE GAS PROJECT
BORROW SITE # 20.038P
FIELD GEOTECHNICAL PROGRAM SITE MAP**

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

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Site ID GM4P**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.06
Boreholes: 0
Test Pits: 0
Boreholes/Test Pits*: 6

ACTIVITY

Proposed Type: Borrow Site
Personnel Required: 8
Proposed Date(s): Winter 2003

LOCATION

Latitude: 68.67762580840
Longitude: -133.71358628800

ACCESS (m)**

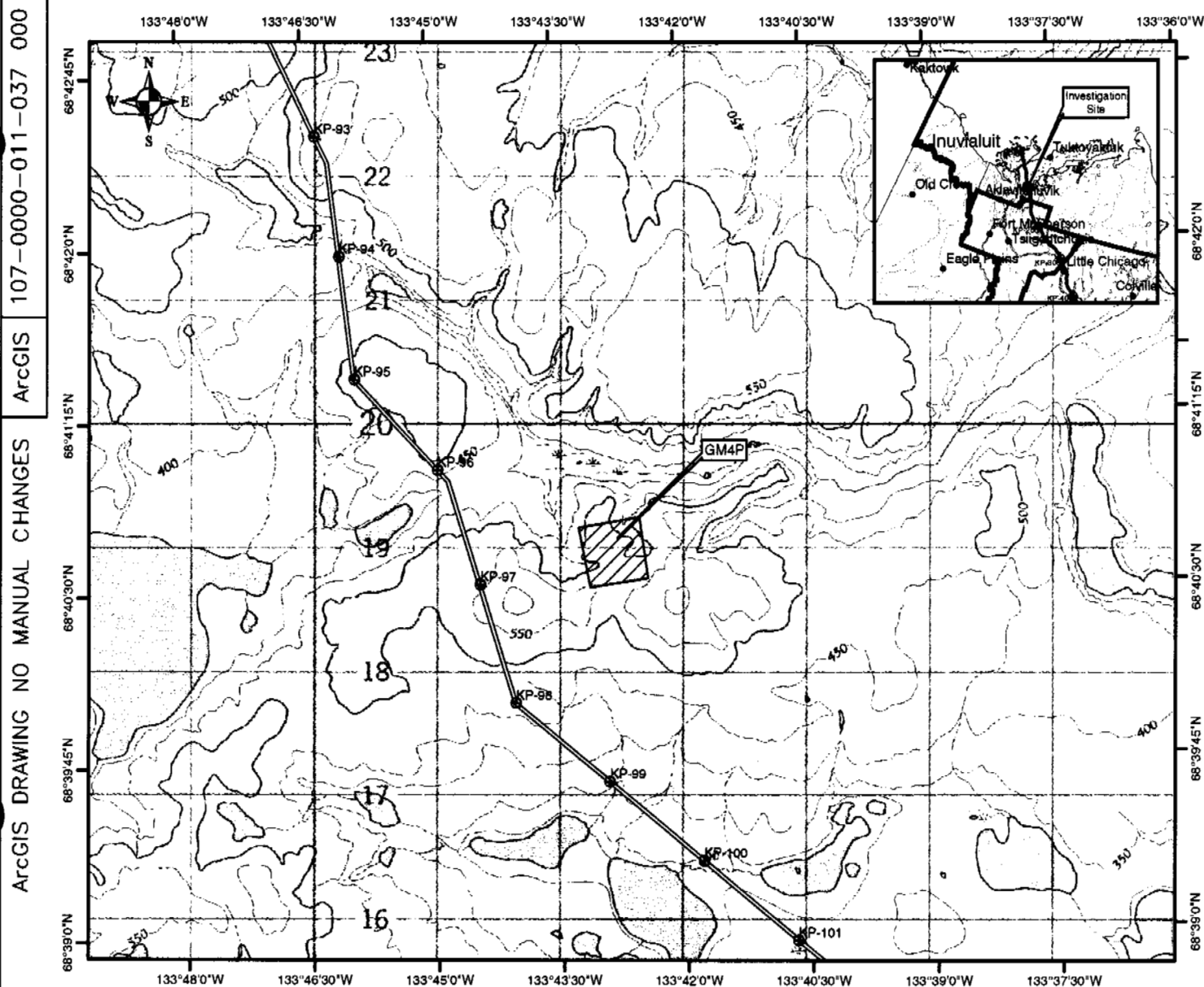
New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT BORROW SITE # GM4P FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

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CONTRACTOR DRAWING NUMBER

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Site ID Harry Channel River**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.04
Boreholes: 4
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: River Crossing
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.37003734070
Longitude: -134.92520416700

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

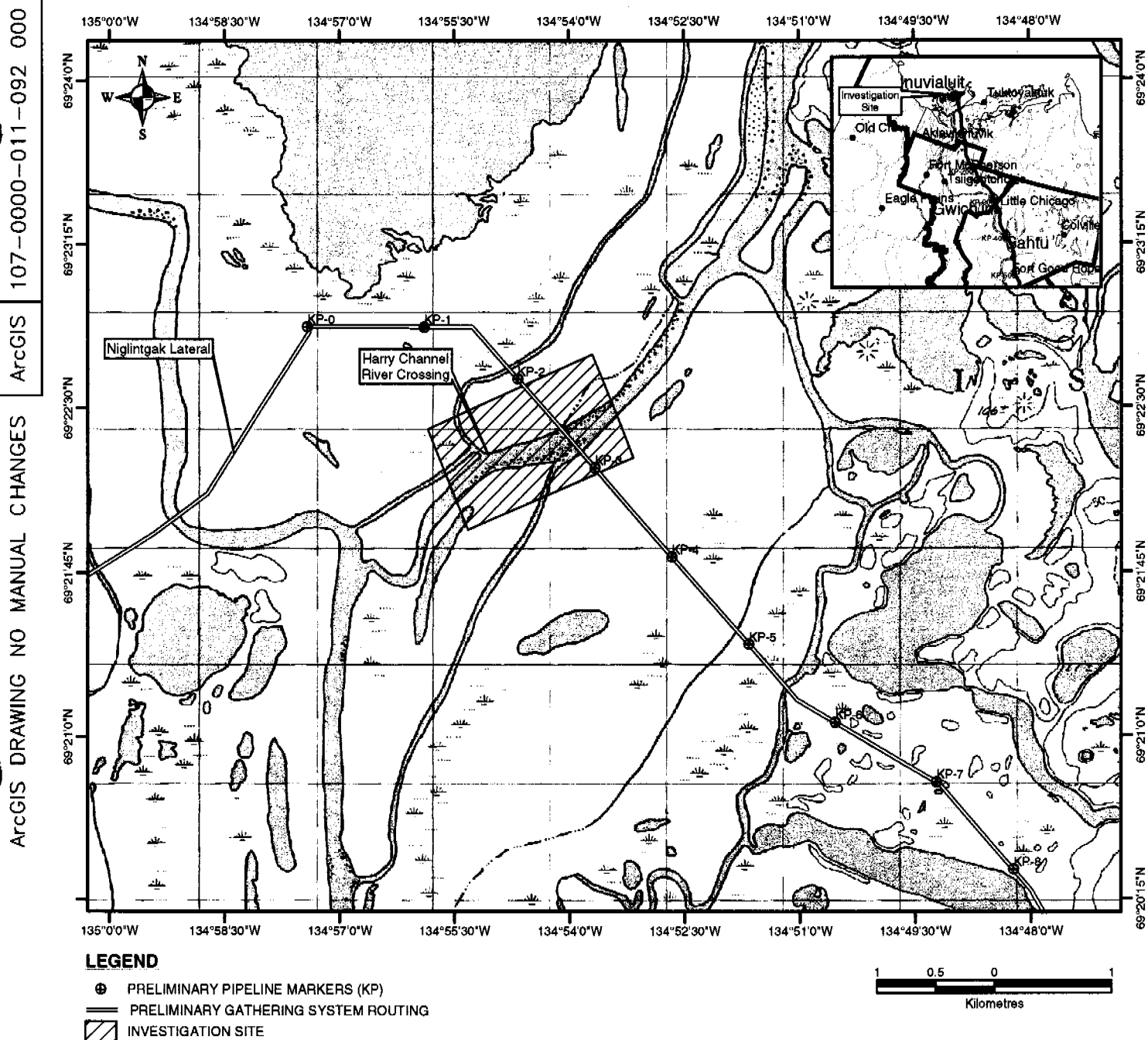
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MACKENZIE DELTA HARRY CHANNEL RIVER CROSSING

A proposed development by Imperial Oil Ventures Limited (Imperial), Aboriginal Pipeline Group (APG), ConocoPhillips Canada (North) Limited (ConocoPhillips), Shell Canada Limited (Shell) and ExxonMobil Canada Properties (ExxonMobil).

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT HARRY CHANNEL RIVER CROSSING FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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DATE

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IOR DRAWING NUMBER

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Site ID Nig Channel River**Inuvialuit Settlement Region**

LAND USE

Land Owner: Crown
Land Use Area (ha): 0.04
Boreholes: 4
Test Pits: 0
Boreholes/Test Pits*: 0

ACTIVITY

Proposed Type: River Crossing
Personnel Required: 4
Proposed Date(s): Winter 2003

LOCATION

Latitude: 69.32529240310
Longitude: -135.25522429000

ACCESS (m)**

New Access: N/A
Existing Access: N/A

* Indicates the planned number of boreholes and/or test pits at the proposed site. The actual number of boreholes and test pits will be determined in the field when the work is conducted.

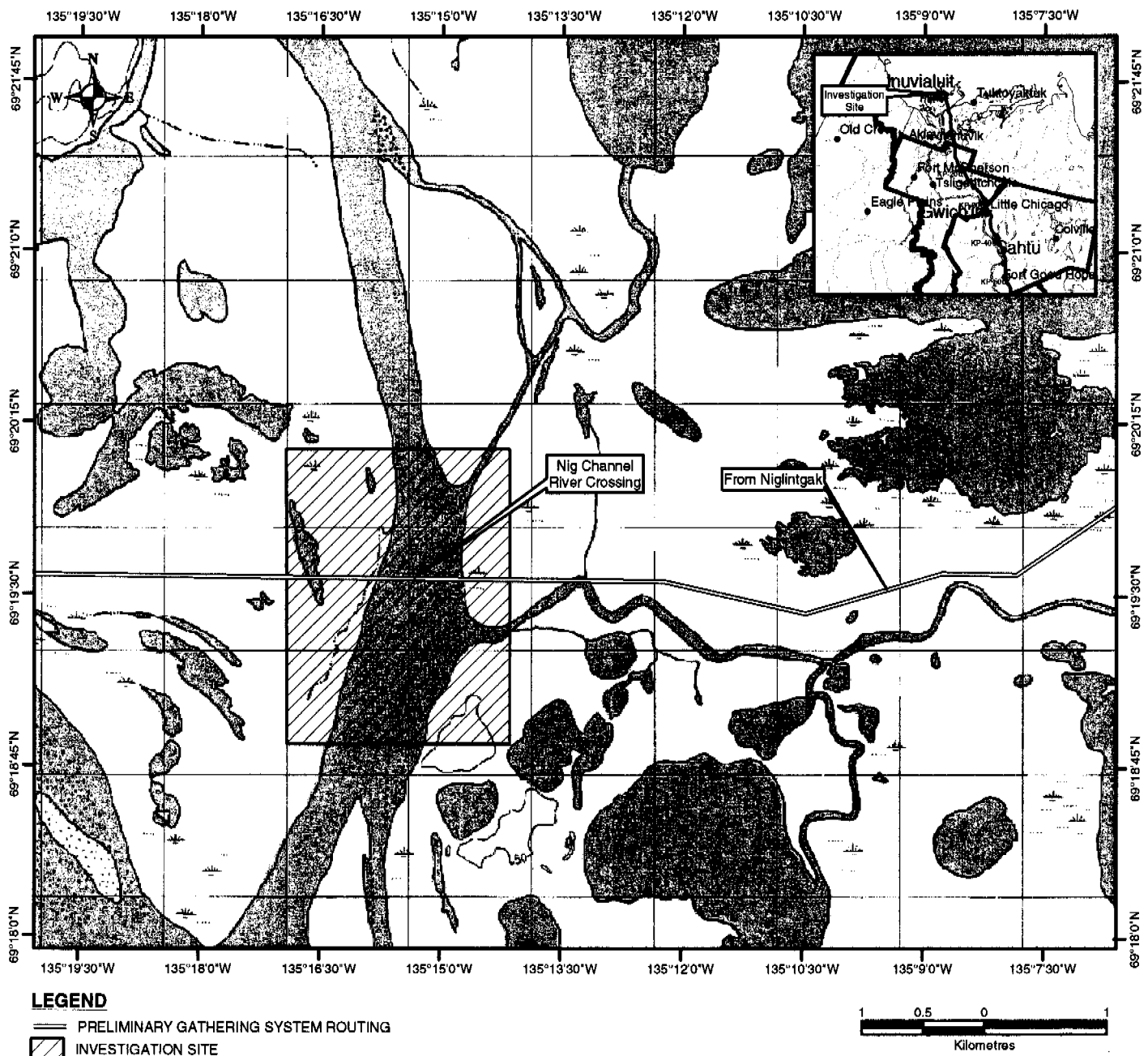
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ArcGIS DRAWING NO MANUAL CHANGES

ArcGIS 107-0000-011-091 000



MACKENZIE DELTA NIG CHANNEL RIVER CROSSING

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MACKENZIE GAS PROJECT

MACKENZIE GAS PROJECT NIG CHANNEL RIVER CROSSING FIELD GEOTECHNICAL PROGRAM SITE MAP

CONTRACTOR NAME

COLTKBR

CONTRACTOR DRAWING NUMBER

99-C-3079

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