CANADA-NOVA SCOTIA
OFFSHORE PETROLEUM BOARD

GEOLOGICAL & GEOPHYSICAL

INFORMATION AVAILABLE

ON

CALL FOR BIDS NS14-1

April 2014

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Table of Contents

Introduction

This publication contains lists of released geological and geophysical reports available from the Canada-Nova Scotia Offshore Petroleum Board ("CNSOPB" or the "Board") for the Call for Bids NS14-1 area in the Nova Scotia offshore.

Additional information may be obtained from the CNSOPB's "Information on Well Data, Geologic Data, Geophysical Data and Land Rights", September 2014.

A. Disclosure of Technical Data

Sections 122 and 121 respectively of the federal and provincial legislation deal with the confidentiality and disclosure of information provided for purposes of the legislation.

Information or documentation in respect of an exploratory well is held confidential for 2 years following the well termination date. The following confidentiality period for delineation well is 2 years following the termination date of the discovery well on the same prospect, or 90 days following the well termination date of the delineation well, whichever is longer. For a development well, the confidentiality period is 2 years following the termination date of the discovery well on the same prospect, or 60 days following the termination date of the development well, whichever is longer. General information on a well, including its name, operator, classification, location, identity of the drilling unit, depth, and operation status of the drilling program, may be obtained from the Board on a current basis.

Information or documentation in respect to non-exclusive geophysical work is held confidential for at least 10 years following the completion date of the work. The geophysical regulations define a non-exclusive survey as a geophysical operation that is conducted to acquire data for the purpose of sale, in whole or in part, to the public.

Information and documentation in respect to exclusive geological or exclusive geophysical work is held confidential for a period of 5 years following the completion date of the work. The date of completion is considered to occur 6 months after the field program is terminated. Operators are required to submit comprehensive reports on each program in the offshore area. These reports, together with associated items such as interpretative maps, seismic sections, well logs, cores, cuttings, fluid samples and paleontological materials derived from such programs are held confidential for the requisite period, and then released for public examination.

The completeness and quality of reports vary depending on operator and the program vintage.

B. Explanation of Program Numbers for Geological and Geophysical Programs

Released geological and, geophysical and related reports are listed alphabetically by program number and company code. Upon approval of an application to conduct a geophysical or geological program, a unique program number is assigned to the project by the regulator. For programs completed prior to January 1990 this number was assigned by the federal Department of Energy, Mines and Resources (EMR). The number is coded to contain;

- the geographic region to which the program relates;
- the type of geophysical or geological work proposed;
- the company operating the program; and
- the sequential number of that type of program operated by that company.

For example, a typical program number for offshore Nova Scotia could be 8624-M003-044E. It follows the format ABCD-EFGH-IJKL, each sequence of letters corresponding to an alphanumeric code:

- **AB** (86 in example) identifies an east coast offshore exploration program approved prior to 1990. **NS** identifies an offshore Nova Scotia program completed after January, 1990 and approved by the Canada-Nova Scotia Offshore Petroleum Board.

- **CD** (24 in the example) identifies the type of geological/geophysical work where:
  20-combined geophysical Survey
  21-aeromagnetic survey
  23-seafloor gravity survey
  24-seismic reflection survey
  25-seismic refraction survey
  26-shallow seismic, seabed survey
  27-(re)processing, (re)interpretation
  30-combined geological program etc

EFGH (M003 in the example) identifies the operator or company code where:

A004	Amoco
A012	Austin Exploration
A014	Aqua Terra
A024	Amoco Production Co.
B003	B. P. O. P
B004	Banner Petroleum Limited
B011	Bow Valley
C002	Canadian Export Oil & Gas
C004	Chevron Canada
C012	Canadian Reserve Oil & Gas
C015	Caravel/Catalina Exploration
C020	Canadian Superior
C033	Canadian Ashland Exploration
C034	Central Del-Rio Oils
C039	Cavalier Energy Inc.
C055	Canterra
C146	Canadian Superior Energy Inc.
D001	Digicon Exploration
D003	Dome Petroleum
D004	Delta Exploration
D009	Dome Canada
D015	Dalhousie University
E006	Exxon
E040	ExxonMobil Canada Properties
E043	EnCana Corporation
G001	Gulf Canada Resources
G005	Geophysical Services Inc.
G011	Geophoto Services
G014	Great Plains Development
G020	Gebco (US) Inc.
G026	Geco Geophysical Canada Ltd.
G041	Government of Canada
G065	Geco-Prakla
G075	GX Technology
H005	Home Oil
H006	Husky Oil Operations Ltd.
H007	Hudson's Bay Oil & Gas
J001	ESSO Resources
J008	ICG Resources
J013	Jebco Surveys

L023	LASMO Nova Scotia Limited
K006	Kerr, J. William & Associates
M003	Mobil Oil Canada
M006	Murphy Oil
M013	McDermott, J. R
M055	Marathon Canada Limited
N005	Norcen Energy Resources
N011	Nova Scotia Resources Limited
O011	Onaping Resources Limited
P003	PanCanadian Petroleum Ltd.
P011	Pacific Petroleums
P028	Petro-Canada
R005	Robertson Research - N. America
S001	Seibens Oil & Gas
S003	Shenandoah Oil
S006	Shell Canada Resources
S008	Sun Oil
S009	Scurry-Rainbow Oil
S014	SOQUIP
S016	Sultan Exploration
S024	Seiscan Delta
S047	Simin. Expl. Consultants Ltd.
S092	St. Mary's University
T007	Texaco Canada
T013	Transalta Oil & Gas
T021	Texaco Canada Resources
T036	Teknica Resource Development Ltd.
T063	TGS-NOPEC Geophysical Company
U003	Union Oil
V001	Voyager Petroleums
V003	Veritas Seismic
W006	Western Decalta
W013	Western Geophysical
W030	WesternGeco Canada

- **IJK (044E in the example) is the program type where:**

E	- exclusive program
P	- participation or speculative program
DT	- data trade
DA	- data acquisition

Therefore, the program number 8624-M003-044E indicates the 44th seismic reflection survey in the East Coast Offshore Region conducted exclusively for Mobil, and carried out prior to January, 1990.

C. Explanation Concerning Interpretation of Geologic Tops:

For all wells drilled prior to 1988 (D#1-124 inclusive), the geologic tops are sourced from the following publication: MacLean, B.C., and Wade, J.A., 1993: *Seismic Markers and Stratigraphic Picks in the Scotian Basin Wells.* East Coast Basin Atlas Series, Geological Survey of Canada, 276p. Tops data for all subsequent wells (D#125 onwards) are sourced from the respective companies' well history and related reports that are identified below each table.

Detailed information on all Scotian Basin stratigraphic units can be found in the following publication: Williams, G.L., Fyffe, L. R., Wardle, R. J., Colman-Sadd, S.P., and Boehner, R. C., 1985: *Lexicon of Canadian Stratigraphy Volume VI - Atlantic Region.* Canadian Society of Petroleum Geologists, Calgary, 572p.

1. Call for Bids NS14-1

Parcel 1 (Search Co-ordinates)

N. Latitude	44.16	E. Latitude	-58.20
S. Longitude	43.00	W. Longitude	-58.75

Off Confidential Programs	**Year**	**Location Map**
NS24-G075-003P	2003	Figure 16
NS24-T063-002P	2002	Figure 45
NS24-G005-002P	1999	Figure 12
NS24-G026-001P, G065-001P	1998	Figure 15
NS24-J014-001P	1998	Figure 20
NS24-W013-001P	1998	Figure 48
BGR_1989	1989	Figure 51
Lithoprobe 1989	1989	Figure 54
8624-S006-038E	1986	Figure 40
8624-W013-005P	1985	Figure 49
8624-S006-042E	1984	Figure 41
8624-S006-045E	1984	Figure 42
8624-W013-002P	1984	Figure 47
8620-S014-006E	1983	Figure 43
8624-S006-035E	1983	Figure 39
8624-W013-001P	1983	Figure 46
8620-J008-007E	1982	Figure 19
8624-C055-003E	1982	Figure 08
8624-D003-003E	1982	Figure 10
8624-P028-036E	1982	Figure 30
8624-S006-032E	1982	Figure 37
8624-M003-041E	1981	Figure 25
8624-P028-015E	1981	Figure 27
8624-S006-028E,31E	1981	Figure 36
8624-S006-27E	1981	Figure 35
RC2111	1978	Figure 52
8620-J001-002E	1973	Figure 18
8624-M003-014E	1973	Figure 24
8620-C020-001E	1972	Figure 06
8620-G005-004P	1972	Figure 14
8620-J001-001E	1972	Figure 17
8624-C020-001E	1972	Figure 07
8624-C015-001P	1971	Figure 05
8620-M003-009E	1969	Figure 23

Parcel 2 (Search Co-ordinates)

N. Latitude	44.33	E. Longitude	-57.43
S. Latitude	43.00	W. Longitude	-58.20

Off Confidential Programs	**Year**	**Location Map**
NS24-E043-002E	2003	Figure 11

NS24-G075-003P	2003	Figure 16
NS24-T063-002P	2002	Figure 45
NS24-G005-002P	1999	Figure 12
NS24-G026-001P, G065-001P	1998	Figure 15
NS24-J014-001P	1998	Figure 20
NS24-W013-001P	1998	Figure 49
Lithoprobe	1989	Figure 53
BGR_1989	1989	Figure 51
8624-W013-005P	1985	Figure 48
8624-W013-001P	1983	Figure 46
8624-S006-042E	1984	Figure 41
8624-B011-005E	1983	Figure 02
8624-N005-002E	1983	Figure 26
8620-S014-006E	1983	Figure 43
8624-S006-035E	1983	Figure 39
8624-S006-032E	1982	Figure 37
8624-C055-003E	1982	Figure 08
8620-J008-007E	1982	Figure 19
8624-P028-046E	1982	Figure 31
8624--M003-041E	1982	Figure 25
8624-S006-027E	1981	Figure 35
8624-S006-028E, 31E	1981	Figure 36
8624-S006-023E	1980	Figure 34
RC2111	1978	Figure 52
8620-J001-002E	1973	Figure 18
8624-S006-012E	1973	Figure 33
8620-C020-001E	1972	Figure 06
8620-G005-004P	1972	Figure 14
8620-J001-001E	1972	Figure 17
8620-S006-009E	1972	Figure 32
8624-C020-001E	1972	Figure 07
8624-M003-002E	1970	Figure 21
8620-M003-009E	1969	Figure 23
8620-M003-007E	1968	Figure 22

***Parcel* 3** (Search Co-ordinates)

N. Latitude	44.50	E. Longitude	-56.68
S. Latitude	43.83	W. Longitude	-57.50

Off Confidential Programs	**Year**	**Location Map**
8924,NS24-C149-001E	2004	Figure 09
NS24-E043-002E	2003	Figure 11
NS24-G075-003P	2003	Figure 16
NS24-T063-002P	2002	Figure 45
NS24-G005-002P	1999	Figure 12
NS24-J014-001P	1998	Figure 20
NS24-G026-001P, G065-001P	1998	Figure 15
NS24-W013-001P	1998	Figure 49
8624-B011-008E	1985	Figure 04
8624-B011-007E	1984	Figure 03
8624-B011-005E	1983	Figure 02
8624-W013-005P	1985	Figure 48

St. Pierre Survey	1983	Figure 54
8620-S014-006E	1983	Figure 43
8624-S006-038E	1986	Figure 40
8620-J008-007E	1982	Figure 19
8624-P028-046E	1982	Figure 31
8624-S006-032E	1982	Figure 37
8624-S006-033E	1982	Figure 38
8624-S006-028E,031E	1981	Figure 36
RC2111	1978	Figure 52
8624-S006-012E	1973	Figure 33
8624-C020-001E	1972	Figure 07
8620-J001-001E	1972	Figure 17
8620-G005-004P	1972	Figure 14
8620-C020-001E	1972	Figure 06
8620-S024-001P	1972	Figure 44
8620-S006-009E	1972	Figure 32
8620-M003-009E	1969	Figure 23
8620-M003-007E	1968	Figure 22

Parcel 4 (Search Co-ordinates)

N. Latitude	44.00	E. Longitude	-56.55
S. Latitude	43.10	W. Longitude	-57.62

Confidential Programs	**Year**	**Location Map**

Off Confidential Programs	**Year**	**Location Map**
NS24-G075-003P	2003	Figure 16
NS24-T063-002P	2002	Figure 45
NS24-W030-001P	2001	Figure 50
NS24-G005-002P	1999	Figure 12
NS24-G026-001P, G065-001P	1998	Figure 15
NS24-W013-001P	1998	Figure 46
8624-W013-005P	1985	Figure 48
8624-S006-042E	1984	Figure 41
8624-S006-032E	1982	Figure 37
8620-S024-001P	1982	Figure 44
RC2111	1978	Figure 52
8624-S006-012E	1973	Figure 33
8620-G005-004P	1972	Figure 14
8620-J001-001E	1972	Figure 18
8620-S024-001P	1972	Figure 44

2. Well Summaries NS14-1

Well Summaries (in or near parcels 1-4)

Sauk A-57

WELL SUMMARY

GENERAL INFORMATION

D #	29
Location	44^{0}16'05.70" N 58^{0}37'44.41" W
Company	Mobil
UWI	300A574420058300
Area	Scotian Shelf
Spud Date	April 30, 1971
Well Term. Date	July 10, 1971
Drilling Rig	Sedneth 1
Water Depth (m)	60.04
Rotary Table (m)	25.9
Total Depth MD (m)	4,575
Well Type	Exploratory
Well Status	P & A
Info. Release Date	Released

CASING

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
406 mm x 267 m	16” x 876’
340 mm x 1,011.9 m	13 3/8” x 3,320’
244 mm x 2,329.8 m	9 5/8” x 7,644’

GEOLOGIC TOPS

Formation/Member	**MD (ft.)**	**MD (m)**
Banquereau Fm	4,717	1,437.7 (bottom)
Wyandot Fm	4,717	1,437.7
Dawson Canyon Fm	5,224	1,592.3
Petrel Mb	5,553	1,692.5 – 1,693.5
Logan Canyon Fm	5,634	1,717.2
Marmora Mb	5,634	1,717.2
?Sable Mb	6,195	1,888.2
Cree Mb	6,783	2,067.5
Naskapi Mb	9,450	2,880.3
Missisauga Fm	9,908	3,019.9
Missisauga Upper Mb	9,908	3,019.9
(“O” Marker)	10,654	3,247.3 – 3,319.3
Missisauga Middle Mb	10,890	3,319.3
MicMac Fm	14,770	4,290.7

ADDITIONAL REPORTS AND LOGS

Well History Report
Borehole Compensated Sonic Log, Run 1-5
Compensated Formation Density Log, Run 1-3
3-Arm Focused Continuous Dipmeter (Computed), Run 1-3
Dual Induction-Laterlog, Run 1-5

Micropaleontological/Paleontological Analysis
Micropaleontology, Paleontology and Stratigraphy
Directional Log (Computed), Run 1-3
Velocity Survey
Sonogram Velocity Survey
Geochemical Evaluation (x-ref 8623-R5-1P)
Vitrinite Reflectivity Data Summary Charts (enc.) (x-ref 8623-R005-001P)

SAMPLES

Sample Type	Interval (m)	# of Samples
Washed Cuttings	350.2 – 4,294.6	910
Unwashed Cuttings	341.1 – 4,294.6	840
Sidewall Core	370.6 - 10,011.0	266

SLIDES

Slide Type	Interval (m)	# of Slides	Sample Source
Micropaleo	341.1 – 4,294.6	190	cuttings sidewall core
Micropaleo	296.2 – 4,241.6	89	sidewall core
Micropaleo	4,282.4 – 4,575.0	15	company cuttings
Palynology	278.9 – 2,385.0	57	sidewall core
Palynology	341.1 - 1,891.2	120	cuttings
Palynology	341.1 – 4,294.6	114	cuttings
Palynology	396.2 - 4,373.8	132	company sidewall core
Palynology	3,031.5 – 4,373.8	44	company sidewall core

Citadel H-52

WELL SUMMARY

GENERAL INFORMATION

D #	260
Location	44°11’25.07” N 58°52’39.87” W
Company	Home Oil et al
UWI	300H524420058450
Area	Scotian Shelf-Sable Island
Spud Date	December 18, 1984
Well Term. Date	May 29, 1985
Drilling Rig	Labrador 1
Water Depth (m)	65.3
Rotary Table (m)	38.3
Total Depth MD (m)	5,666
Well Type	Exploratory
Well Status	P & A
Info. Release Date	Released

CASING

Casing Size x Depth (metric) **Casing Size x Depth (imperial)**

914 mm x 145 m	36” x 475.7’
610 mm x 265 m	24” x 869.4’
473 mm x 920 m	18 5/8” x 3,018.3’
340 mm x 2,920 m	13 3/8” x 9,580.0’
244.5 mm x 4,845 m	7” x 15,895’

GEOLOGIC TOPS

Formation / Member	**MD (m)**
Banquereau Fm	In casing
Wyandot Fm	1,429.5
Dawson Canyon Fm	1,570.5
Petrel Mb	1,622.5 – 1,625.6
Logan Canyon Fm	1,694.7
Marmora Mb	1,694.7
Sable Mb	1,924.7
Cree Mb	2,047.5
Naskapi Mb	2,891.6
Missisauga Fm	2,986.6
Missisauga Upper Mb	2,986.6
(“O” marker)	3,249.3 – 3,371.7
Missisauga Middle Mb	3,371.7
MicMac FM	4,455.0
(Approx. Top OP)	4,865.0

ADDITIONAL REPORTS AND LOGS

Well History Report
A. M. S. Playback (SHDT) (Field Print), Run 2
Dual Laterolog Micro SFL, Run 1, 3
SHDT-Computed, Run 2
Dual Induction-SFL, Run 2, 3
Cement Bond-Variable Density Waveform Log, Run 1
Cement Volume Log, Run 1
Sonic Waveform Log, Run 3
Cement Bond-Variable Density Log, Run 3
Well Abandonment (Field Print), Run 3
Depth Derived Borehole Compensated Sonic, Run 2, 3
Perforation Depth Control Log (Field Print), Run 2
Simultaneous Compensated Neutron-Litho Density, Run 3
Core Sample Taker Results, Run 3
Repeat Formation Tester, Run 3
Stratigraphic High Resolution Dipmeter, Run 3
SHDT, Run 2
Borehole Geometry Survey (Field Print), Run 1
Core Analysis
DDBHC Long Spacing Sonic (Field Print), Run 2
Cyberlook (Field Print), Run 2
Micropaleontology and Palynology Report
Well History Log
Formation Evaluation Log
Depth Derived Borehole Compensated Sonic (Reduced Mylar)
Dual Induction-SFL (Reduced Mylar)
Auxiliary Measurement Playback, Run 3
Compensated Neutron Log, Run 3
Repeat Formation Tester, Run 2
Hole Volume Log, Run 3

Cement Bond-Variable Density Log, Run 2
Simultaneous Compensated Neutron-Litho Density, Run 2
Cement Volume Log, Run 2
Core Sample Taker Results, Run 2
Auxiliary Measurement Survey, Run 2
Compensated Neutron Log, Run 3
Repeat Formation Tester, Run 2
Hole Volume Log, Run 3
Cement Bond-Variable Density Log, Run 2
Simultaneous Compensated Neutron-Litho Density, Run 2
Cement Volume Log, Run 2
Core Sample Taker Results, Run 2
Auxiliary Measurement Survey, Run 2

SAMPLES

Sample Type	Interval (m)	# of Samples	Remarks
Washed Cuttings	930.5 – 5,665	943	
Unwashed Cuttings	930.5 – 5,665	832	
Canned Samples (dried)	930 – 5,660	473	dried samples

CORE

Core #	Interval (m)	Recovery (m)
1	4,812.6 – 4,817.44	4.84
2	5,022.8 – 5,050.33	27.53

SLIDES

Slide Type	Interval (m)	# of Slides	Sample Source
Micropaleo	925 – 5 050	162	cuttings
Palynology	2,195 – 5,666	118	cuttings

North Banquereau I-13

WELL SUMMARY

GENERAL INFORMATION

D #	214
Location	$44^0$12'33.16" N $58^0$31'49.38" W
Company	PetroCan et al
UWI	300I134420058300
Area	Scotian Shelf
Spud Date	August 2, 1982
Well Term. Date	December 28,1982
Drilling Rig	Bow Drill I
Water Depth (m)	91
Rotary Table (m)	25
Total Depth MD (m)	5,188
Well Type	Exploratory
Well Status	P & A
Info. Release Date	Released

CASING

Casing Size x Depth (metric)	Casing Size x Depth (imperial)
762 mm x 220 m	30” x 721.7’
508 mm x 628 m	20” x 2,060’
340 mm x 2,074 m	13 1/3” x 6,804’
244 mm x 4,331 m	9 5/8” x 14,209.3’
178 mm x 5,029 m	7” x 16,499’

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate m^3/d	Remarks
DST #1	4,177 – 4,124	nil		misrun
DST #2	3,884 – 3,890	nil		no GTS, no fluid recovery

GEOLOGIC TOPS

Formation/Member	MD (m)
Banquereau Fm	In casing
Wyandot Fm	1,590.5
Dawson Canyon Fm	1,756.5
Petrel Mb	1,842.0 – 1,844.0
Logan Canyon Fm	1,954.0
Marmora Mb	1,954.0
Sable Mb	2,165.0
Cree Mb	2,262.0
Naskapi Mb	3,117.6
Missisauga Fm	3,460.0
Missisauga Upper Mb	3,460.0
(“O” Marker)	3,785.0 – 3,870.0
Missisauga Middle Mb	3,870.0
Verrill Canyon Fm	4,148.0
Top OP	~4,350.0
MicMac Fm	4,919.5

ADDITIONAL REPORTS AND LOGS

Well History Report
Data Inventory
High Resolution Dipmeter-Cluster Listing, Run 1, 2
Formation Testing-Technical Report Test 1, Test 2
Pressure Gauge Report, DST #1, DST #2
Well Test Report, DST #1 & 2
Final Well Report
Core Photos
Core Photos (ultraviolet)
Core Photos (slabs)
Petrological Sediment Evaluation
Geochemical Evaluation-Final Report
Composite Log
Subsurface Master Log (Mud Log)
Completion Record, Run 1
Borehole Geometry Logs with Cement Volume Logs, Run 1-4

Four-arm High Resolution Continuous Dipmeter (Computed), Run 1-3
Dual Induction-SFL, Run 1-4
Computer Processed Interpretation, Run 1
Sidewall Cores, Run 1-3
Proximity-Microlog, Run 1
Simultaneous Compensated Neutron-Formation Density, Run 1-4
Depth Derived Borehole Compensated Sonic Log, Run 1-5
Cement Bond-Variable Density Log, Run 1
Repeat Formation Tester, Run 1 & 2
Well Seismic Report
Velocity Analysis
Dual Induction-SFL (Reduced Mylar)
Dual Laterolog Micro SFL, Run 1
Biostratigraphy of Petro-Canada et al N. Banquereau I-13 (from microfiche)

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	650 – 5,188	912	
Unwashed Cuttings	650 – 5,188	885	
Canned Samples	3,865 – 5,185	133	dried samples

Core

Core #	**Interval (m)**	**Recovery (m)**
1	3,237.6 – 3,251.0	13.2
2	3,468.0 – 3,472.2	3.5

SLIDES

Slide Type	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo	645 – 5,188	156	cuttings
Palynology	645 – 5,188	149	cuttings

Southwest Banquereau F-34

Well Summary

GENERAL INFORMATION

D #	227
Company	Petrocan et al.
Location	44°03’15’.62” N 58°50’21.60” W
UWI	300F344410058450
Area	Scotian Shelf
Spud Date	February 20, 1983
Well Term. Date	August 30,m 1983
Drilling Rig	Bow Drill I
Total Depth MD (m)	6,309
Water Depth (m)	173.9
Rotary Table (m)	24.9
Well Status	P&A

Well Type	Exploratory
Info. Release Date	released

CASING

Size x Depth (metric)	**Size x Depth (imperial)**
762 mm x 264.4	30” x 867.5’
508 mm x 612.8	20” x 2,010.5
406 mm x1,913.4	16” x 6,277.5’
273 mm x 4,603	10 ¾” x 15,101.7’

WELL TEST SUMMARY

Type /Test #	**Depth (m)**	**Recovery**	**Flow Rate / Amount**	**Remarks**
DST #1	4,486 – 4,496	-	-	misrun
DST #2	4,486 – 4,496	-	-	misrun
DST #3	4,332 – 4,324	gasified water gas liquid	- 11,600 m^3/d 478 m^3/d	to surface
DST #4	3,930 – 3,940	-	-	misrun
DST #5	3,930 – 3,940	formation water	-	Cl- 48,000 mg/l

GEOLOGIC TOPS

Formation/Member	**MD (m)**
Banquereau Fm	1,773.1
Wyandot Fm	1,773.1
Dawson Canyon Fm	1,930.4
Petrel Mb?	2,033
Logan Canyon Fm	2,148
Marmora Mb	2,148
Sable Mb	2,399
Cree Mb	2,526.3
Naskapi Mb	3,533
Missisauga Fm	3,918
Missisauga Upper Mb	3,918
(“O” Marker)	4,160
Missisauga Middle Mb	4,240
(Approx. Top of Overpressure)	4,600
Verrill Canyon Fm	4,980

ADDITIONAL REPORTS AND LOGS

Well History Report
Simultaneous Compensated Neutron-Formation Density, Run 1-3
Dual Induction-SFL, Run 1
Repeat Formation Tester Computation, Run 1
Depth Determination, Run 1
Thermal Decay Time Log, Run 1
Core Sample Taker Results, Run 1-3

Depth Derived Borehole Compensated Sonic Log, Run 1-5
Borehole Geometry Survey, Run 1-3
Dual Laterolog Micro SFL, Run 1-4
Completion Record, Run 1
Cement Bond-Variable Density Log, Run 1
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1 & 2
Repeat Formation Tester, Run 1
Well Seismic Report
Subsurface Master Log
Composite Log
Dual Laterolog Micro SFL (Reduced Mylar)
Drilling Data Pressure Log
High Resolution Dipmeter Cluster Listing, Run 2
Directional Survey, Run 1 & 2
Pressure Gauge Reports, DST 1
Pressure Gauge Reports, DST 2
Pressure Gauge Reports, DST 3
Pressure Gauge Reports, DST 4
Pressure Gauge Reports, DST 5
Formation Testing, Technical Reports, Test 1
Formation Testing, Technical Reports, Test 2
Formation Testing, Technical Reports, Test 3
Formation Testing, Technical Reports, Test 4
Formation Testing, Technical Reports, Test 5
Exlog Final Well Report
Well Test Report, Tests 1-5
Petrological Analysis of Sediments
Biostratigraphy Report
Biostratigraphy of the etc.
Geochemical Report
Directional Log (Computed), Run 1 & 2
Formation Evaluation Log
Pressure Evaluation Log
Resistivity Data Log
Temperature Data Log
Wireline Data Log
Offline Plot #1
Offline Plot #2
Offline Plot #3
Offline Plot #4

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	630 – 6,309	563
Unwashed Cuttings	630 – 6,309	1,104
Canned Cuttings (dried)	635 – 6,295	563

SLIDES

Slide Type	**Interval (m)**	**# of Samples**	**Sample Source**
Micropaleo	625 – 6,305	189	cuttings
Palynology	625 – 6,305	325	cuttings

Tantallon M-41 (Parcel 1)

WELL SUMMARY

GENERAL INFORMATION

D #	293
Location	43□50'55.96" N 58□22'23.97" W
Company	Shell / PCI et al
UWI	300M414400058150
Area	Scotian Slope
Spud Date	February 15, 1986
Well Term. Date	April 18, 1986
Drilling Rig	Sedco 709
Water Depth (m)	1,516
Rotary Table (m)	24
Total Depth MD (m)	5,602
Well Type	Exploratory
Well Status	P&A
Info. Release Date	Release

CASING:

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
762 mm x 1,560 m	30" x 5,118.1'
473 mm x 2,252 m	18 5/8" x 7,338.4'
340 mm x3,282	13 3/8" x 10,767.7'

GEOLOGIC TOPS :

Formation	**MD (m)**
Banquereau Fm	in casing
(Unconformity)	2,497.0
Wyandot Fm	?3,124.0
(Unconformity)	3,214.2
*Dawson Canyon Fm	
Logan Canyon Mb equivalent	3,214.2
Missisauga Fm equivalent	?4,225.0

* missing at Maastrichtian/Cenomanian unconformity

ADDITIONAL REPORTS AND LOGS:

Well History Summary (Mud Report) Baroid
ADT Log (From Baroid Book) Composite
DIL-CNL-LDT (Field Print), Run 2
Composite DIL-CNL-LDT (Field Print), Run 1
Core Sample Taker Results, Run 1 & 2
Depth Derived Borehole Compensated Sonic, Run 1-3
Arrow Plot, Run 1
Back-Off Results, Run 1
Borehole Geometry Log, Run 1
Completion Record, Run 1
High Resolution Dipmeter, Run 1
High Resolution Temperature Log, Run 1
Dual Induction, Run 1-3

Simultaneous Compensated Neutron-Litho Density, Run 1-3
Offshore Technical Log
Core Analysis
Biostratigraphy and Depositional Environments Report
Well Seismic Report
Palynological, Micropaleontological and Geochemical Summaries
Dual Induction (Reduced Mylar)
Mud Gas Log
Well Seismic Results, Run 1 &2
Well Seismic Results (Field Log), Run 1
Well Seismic Results (Field Log), Run 3
Well Seismic Report (copy)
Drilling Records
Core Photo's (Slabbed), Core 1-3
Biostratigraphy Report

SAMPLES

SAMPLE TYPE	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	2,270 – 3,145	557	
Unwashed Cuttings	2,270 – 5,600	566	
Canned Cuttings (dried)	2,770 – 5,600	328	

Core:		**Recovery (m)**
Core #1	3,600 – 3,627	23.5
Core #2	4,689 – 4,716	27.0
Core #3	5,294 – 5,313	16.3

SLIDES:

Micropaleo slides	2,265 – 5,600	112	cuttings
Micropaleo slides	3,606 – 5,311	8	core
Palynology slides	2,319 – 5,545	113	sidewall core

Banquereau C-21

WELL SUMMARY

GENERAL INFORMATION

D #	207
Location	44°10’07.52”N 58^{0}34'00.24"
W **Company**	Petro-Canada
et al **UWI**	300C2144200
58300	
Area	Scotian Shelf
Spud Date	December 2, 1981
Well Term. Date	August 1, 1982
Drilling Rig	Bow Drill I
Water Depth (m)	83

Rotary Table (m)	27
Total Depth MD (m)	4,991
Well Type	Exploratory
Well Status	P & A
Info. Release Date	released

CASING:

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
762 mm x 173 m	30” x 567.6’
508 mm x 613 m	20” x 2,011.1’
340 mm x 2,106 m	13 3/8” x 6,909.4’
244 mm x 4,258 m	9 5/8” x 13,969.8’
178 mm x 4,949 m	7” x 16,236.8.5’

WELL TEST SUMMARY

Type /Test #	**Interval (m)**	**Recovery**	**Flow Rate(m^3/d)**	**Remarks**
DST #1	4,035.0 – 4,046.5	-	-	Gas to surface TSTM
DST #2	3,585.0 – 3,596.0	gas condensate water	566,411 15 262	
DST #3	3,360.1 – 3,372.6	-	-	no gas to surface

GEOLOGIC TOPS :

Formation	**MD (m)**
Banquereau Fm	In casing
Wyandot Fm	1,672
Dawson Canyon Fm	1,854
Petrel Mb	1,948 – 1,949
Logan Canyon Fm	2,056
Marmora Mb	2,056
Sable Mb	2,285
Cree Mb	2,389
Naskapi Mb	3,248
Missisauga Fm	3,575
(upper)	3,575
(“O” Marker)	3,923
(middle)	4,017
Verrill Canyon Fm	4,337
~Top OP	4,530

ADDITIONAL REPORTS AND LOGS:

Well History Report
Geodip, Run 1
Temperature Log, Run 1
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1-3
Directional Log (Computed), Run 1-3
Dual Laterolog Micro SFL, Run 1 & 2
Cement Bond Variable Density Log, Run 1

Cement Bond Variable Density Log, Run 2
Cement Bond Variable Density Log, Run 3
Core Sample Taker, Run 1 & 2
Depth Derived Borehole Compensated Sonic Log, Run 1-5
Completion Record, Run 1
Completion Record, Run 2
Completion Record, Run 3
Completion Record, Run 4
Completion Record, Run 5
Completion Record Well Abandonment
Caliper Log, run 1
Abandonment Record
Cyberlook (Field Print), Run 1
Cyberlook (Field Print), Run 2
Cyberlook (Field Print), Run 3
Repeat Formation Tester, Run 1 & 2
Dual Induction-SFL, Run 1-3
Simultaneous Compensated Neutron Formation Density, Run 1-3
Depth Determination, Run 1
Proximity-Microlog, Run 1
Seismic Reference Service-Geophysical Log, Run 1-5
Dual Laterolog (Reduced Mylar)
Petrolog-Density & Swlee Calculation, Run 2
Subsurface Master Log (drilling rate, lithology, etc.)
Composite Log
Final Well Report
Geodip-Geological Dip Determination by Pattern Recognition Zone : 3380 MT – 3355 MT
Geodip-Geological Dip Determination by Pattern Recognition Zone : 3615 MT – 3570 MT
Geodip-Geological Dip Determination by Pattern Recognition Zone : 4050 MT – 4030 MT
High Resolution Dipmeter Cluster Listing Run 1
High Resolution Dipmeter Cluster Listing Run 2
High Resolution Dipmeter Cluster Listing Run 3
Directional Survey
Well Test Report, Production Test # 1-3
Well Test Report, DST #4
Formation Testing, Technical Report Test 1
Formation Testing, Technical Report Test 2
Formation Testing, Technical Report Test 3
Formation Testing, Technical Report Test 4
Core Photo's- Core #1
Drilling Data Pressure Log 2145m-4987m 1:300
Drilling Data Pressure Log 110m-2941m Scale 1:3000
Drilling Data Pressure Log 110m-2941m Scale 1:300
Drilling Data Pressure Log 2145m-4987m 1:3000
Formation Evaluation Log 110m-2941m Scale 1:600
Pressure Evaluation Log 110m-2941m Scale 1:3000
Pressure Evaluation Log 2145m-4987m Scale 1:3000
Temperature Data Log 110m-2941m Scale 1:3000
Temperature Data Log 2145m-4987m 1:3000
Resistivity Data Log 2145m-4987m 1:3000
Resistivity Data Log 110m-2941m Scale 1:3000
Shale Factor
Biostratigraphical Analysis Chart
Biostratigraphical Analysis Chart
Geochemical Evaluation Report
The Petrology of Sandstones & Carbonates from the MicMac & Missisauga Formations

Micropaleontology and Palynology Report
Formation Evaluation Log sidetrack 2145m-4987m Scale 1:600
Seismic Reference Service-Geophysical Log, Run 1-5
MPRG Data Printout Program
Pressure Gauge Report

SAMPLES

Sample Type	**Interval (m)**	
Washed Cuttings	185 - 4,990	836
(sidetrack)	2,125 – 2,940	156
Unwashed Cuttings	185 – 4,990	1,045
(sidetrack)	2,125 – 2,940	156

Core

Core #	**Interval (m)**	**Recovery (m)**
1	4,473 -4,477.7	3.4

Fluids

Test #	**Interval (m)**	**Recovered from**	**Recovered**
DST #1, sample 7	4,035.0 – 4,046.5	-	water
DST #2	3,585.0 – 3,596.3	oil dump line	condensate
DST #2, sample 6	3,585.0 – 3,596.3	-	water
DST #3, sample 3	3,360.1 – 3,372.6	-	

SLIDES

Slide Type	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	180 – 4,990	115	cuttings
Palynology slides	745 – 4,250	195	co. sidewall core
Palynology slides	185 – 4,990	112	cuttings

Louisbourg J-47

WELL SUMMARY

GENERAL INFORMATION

D #	240
Location	$44^0$26'43.08"N $58^0$21'26.02" W
Company	Home Oil et al
UWI	300J474430058150
Area	Scotian Shelf
Spud Date	November 25, 1983
Well Term. Date	October 13, 1984
Drilling Rig	Glomar Labrador 1
Water Depth (m)	63.1
Rotary Table (m)	38.2
Total Depth MD (m)	6,042
Well Type	Exploratory

Well Status	P & A
Info. Release Date	Released

CASING

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
914 mm x 142.3 m	36” x 4,466.8’
610 mm x 263.0 m	24” x 862.8’
473 mm x 897.0m	18 1/2” x 1,942.9’
340 mm x 2,973.6 m	13 1/3” x 9,755.9’
244.5 mm x 4,789.4 m	9 5/8” x 15,713.2’
178 mm x 5,599.0m	7 5/8” x 18,369.4’

GEOLOGIC TOPS

Formation/Member	**MD (m)**
Banquereau Fm	In casing
Wyandot Fm	1,363.2
Dawson Canyon Fm	1,546.2
Petrel Mb	1,630.0 – 1,633.7
Logan Canyon Fm	
Marmora Mb	1,726.0
Sable Mb	1,872.0
Cree Mb	2,034.0
Naskapi Mb	2,747.0
Missisauga Fm	2,993
Missisauga Upper Mb	2,993
(“O” Marker)	3,198 – 3,276
Missisauga Middle Mb	3,276.0
MicMac Fm	4,290.5
Top OP	~4,420.0

ADDITIONAL REPORTS AND LOGS

Well History Report
Depth Derived Borehole Compensated Sonic Log Run 1, 2, 3, 5
Dual Induction/Long Spaced Sonic (Field Print), Run 1
Cement Volume Log, Run 1,3
Completion Record, Run 4A, 5B(2), 5C
Dual Laterolog Micro SFL, Run 1, 3, 5
Dual Induction-SFL, Run 1, 2, 3, 4, 5
Four-Arm High Resolution Continuous Dipmeter, Run 1, 3
Simultaneous Compensated Neutron-Formation Density Run 1, 2, 3, 4, 5
Petroleum Geochemical Eval. of Interval 950-6042.7m
RFT Quicklook (Field Print), Run 1, 3
Cyberlook (Field Print), Run 1, 3
Cyberdip (Field Print), Run 3
Volan Computer Processed Log, Run 2-5
Mechanical Properties Log, Run 3-5
Micropaleo/Palynology, and Lithostratigraphy Report
Well Seismic Report
Well History Log
Formation Evaluation Log
Stratigraphic Column
Moved Oil Cyberlook (Field Print), Run 3

Repeat Formation Tester (Samples), Run 1
Dual Induction-SFL (Reduced Mylar)
Depth Derived Borehole Compensated Sonic Log (Reduced Mylar)
Repeat Formation Tester, Run 1, 3
High Resolution Temperature Log, Run 1B
Simultaneous Compensated Neutron-Formation Density (Reduced Mylar)
Core Sample Taker Results, Run 1, 3, 3A
Waveform Log, Run 3
Perforation Depth Control Log, Run 5B
Water Analysis
Reservoir Quality and Formation Damage Analysis of Sidewall Core Samples
Natural Gamma Ray Spectroscopy Log, Run 3
Vertical Seismic Profile
Microlaterlog-Microlog, Run 5
Cement Bond-Variable Density Log, Run 1, 3, 5, 5A
Faciolog, Run 1
Thin Section Petrography
Plan & Field Notes
DST #1B Test Results
Cement Volume Log, Run 1, 3
Reservoir Quality Analysis
Synthetic Microlog, Run 2
Sidewall Core Results, Run 5
Sidewall Cores, Run 1
Pressure Gauge Drill Stem Tests: DST #1, Zone 1
Pressure Gauge Drill Stem Tests: DST #3, Zone 3
Pressure Gauge Drill Stem Tests: DST #3, Zone 3 Gauge # 111
Pressure Gauge Drill Stem Tests: DST #4, Zone 7
Pressure Gauge Drill Stem Tests: DST #4, Zone 7 Gauge # 341A
Four-Arm Caliper Log, Run 1A
True Vertical Depth Directional Plots, Run 3B
Core Photo's (Slabbed), Core 1-5

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	905 – 6,042.7	1,028
Unwashed Cuttings	905 – 6,042.7	1,024
Sidewall Core	2,998 – 4,777	58

Core

Core #	**Interval (m)**	**Recovery (m)**
1	4,072.1 – 4,091.3	16.2
2	4,405.3 – 4,408.9	2.6
3	4,408.0 – 4,422.8	12.5
4	4,527.2 – 4,531.5	4.3
5	5,436.7 – 5,455.4	18.7

Recovered Fluids

Test #	**Interval (m)**	**Recovered From**	**Fluid Type**
DST #2	5,503 – 5,514	choke manifold	water
DST #4	4,530 – 4,537	choke manifold	water

SLIDES

Slide Type	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo	4,408 – 5,555	9	core

Micropaleo	900 – 6,042.7	176	cuttings
Micropaleo	260 – 900	21	cuttings
Palynology	900 – 6,042.7	232	cuttings

South Griffin J-13

WELL SUMMARY

GENERAL INFORMATION

D #	243
Location	44°22'37.77"N 58°01'54.76"W
Company	Husky-Bow Valley et al
UWI	300J13430058001
Area	Scotian Shelf
Spud Date	January 8, 1984
Well Term. Date	August 20, 1984
Drilling Rig	Rowan Gorilla I
Water Depth (m)	63.4
Rotary Table (m)	39.6
Total Depth MD (m)	5,911
Well Type	Exploratory
Well Status	P & A
Info. Release Date	Released

CASING

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
914 mm x 324.3 m	36" x 1,063.9'
508 mm x 908.6 m	20" x 2,980.9'
340 mm x 3,102.9 m	13 5/8" x 10,177'
244 mm x 3,102.9 m	9 5/8" x 15,461.9'

GEOLOGIC TOPS

Formation/Member	**MD (m)**
Banquereau Fm	In casing
Wyandot Fm	1,587.2
Dawson Canyon Fm	1,774.4
Petrel Mb	1,873.0 – 1,888.0
Logan Canyon Fm	2,170.0
Marmora Mb	2,170.0
Sable Mb	2,253.5
Cree Mb	2,296.8
Naskapi Mb	2,881.5
Missisauga Fm	3,214.0
Missisauga Upper Mb	3,214.0
("O" Marker)	3,502.0 - 3,592.0
Missisauga Middle Mb	3,592.0
MicMac Fm	4,611.0
Top OP	~5023.0

ADDITIONAL REPORTS AND LOGS

Dual Induction-SFL, Run 1-5
Simultaneous Compensated Neutron-Litho Density, Run 1-3
Dual Laterolog Micro SFL, Run 1-3
Merged Log Data 1:1200, Run 1-3
Simultaneous Compensated Neutron-Litho Density (Reduced Mylar)
Depth Derived Borehole Compensated Sonic Log Run 1-5
Mud Log
Cyberdip (On Reduced Mylar Only)
Cement Volume Log, Run 1-3
Dual Induction-SFL (Reduced Mylar)
Dual Laterolog Micro SFL (Reduced Mylar)
Repeat Formation Tester, Run 1-3
Cement Evaluation Log, Run 1
Four-Arm High Resolution Continuous Dipmeter Run 1-3
Four-Arm High Resolution Continuous Dipmeter (Computed),Run 1-3
Compensated Neutron-Formation Density (Reduced Mylar)
Dual Laterolog Micro SFL (Reduced Mylar)
Depth Derived Borehole Compensated Sonic Log (Reduced Mylar)
Directional Log (Computed), Run 1-3
Auxiliary Measuring-Sub Log, Run 1
Cement Bond-Variable Density Log, Run 1
Four-Arm High Resolution Continuous Dipmeter Run 1-3
Report on Biostratigraphy and Depositional Environments
Four-Arm High Resolution Continuous Dipmeter (Computed),Run 1-3
Mud-Gas Log
Well Seismic Report
Horizontal Plot
Plan and Field Notes
Biostratigraphy-Final Report
Core Photo's (Slabbed), Core 1
Thin Section Petrography
Directional Survey, Run 1, 2, 3
Seismic Quicklook, Run 1-3
Well Seismic Report
Core Sampling Results, Run 1-3
Vertical Seismic Profile
Jack Up Rig Foundation Analysis
Natural Gamma Ray Spectroscopy Log

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	450 – 5910	907
Unwashed Cuttings	450 – 5,911	984
Sidewall Core	4,316	1

Core

Core #	**Interval (m)**	**Recovery (m)**
1	4,138.3 – 4,141.3	3.0

SLIDES

Slide Type	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo	440- 4,225	127	cuttings
Micropaleo	4,245-5,905	56	cuttings

Micropaleo	4,141.3	1	company core
Micropaleo	450 – 5,911	287	cuttings
Palynology	450 - 5,905	183	cuttings
Palynology	450 – 5,911	585	company cuttings
Palynology	1,082.6 - 5,886	226	company sidewall core
Palynology	1, 082.6 – 5,905	93	company sidewall core
Palynology	4,138.8 – 4,141.0	6	company core

Primrose A-41/1A A-41

WELL SUMMARY

GENERAL INFORMATION (A-41)

D # (A-41)	86
(1A A-41)	97
Location	$44^0$00'05.68" N $59^0$06'18.26" W
Company	Shell
UWI	300A414410059000
Area	Scotian Shelf
Spud Date	October 15, 1972
Rig Release Date	January 27, 1973
Drilling Rig	Sedco H
Water Depth (m)	109.7
Rotary Table (m)	29.9
Total Depth (m)	3,616.0
Well Type	Delineation
Well Status	P & A
Info. Release Date	released

GENERAL INFORMATION (1A-41)

D # (1A A-41)	97
Location	$44^0$00'05.68" N $59^0$06'18.26" W
Company	Shell
UWI	300A414410059002
Area	Scotian Shelf
Spud Date	October 15, 1972
Rig Release Date	January 27, 1973
Drilling Rig	Sedco H
Water Depth (m)	109.7
Rotary Table (m)	29.9
Total Depth (m)	3,616.0
Well Type	Delineation
Well Status	P & A
Info. Release Date	released

CASING:

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
406 mm x 358.14 m	16” x 1,175’
340 mm x 1,303.95 m	13 5/8 x 4,278’
244 mm x 2,111.98 m	9 5/8” x 6,929.1’

GEOLOGIC TOPS (A-41):	**MD (m)**
Banquereau Fm	1,416.12 (bottom)
Wyandot Fm	1,416.12
Dawson Canyon Fm	1,617.59
Logan Canyon Fm	1,646.55
(Caprock)	1,689.83
Argo Fm	1,845.89

GEOLOGIC TOPS (1A A-41):	**MD (m)**
Banquereau Fm	1,416.12 (bottom)
Wyandot Fm	1,416.12
Dawson Canyon Fm	1,661.49
Petrel Mb	1,677.64
Logan Canyon Fm	1,717.26
Naskapi Mb	3,296.45
Missisauga Fm	3,558.89
Missisauga Upper Mb	3,558.89

WELL TEST SUMMARY

Type / Test	**Depth (m)**	**Recovery**	**Flow Rate / Amount**
WLT #1	1,822.7	formation tight, no recovery	
WLT #2	1,780.3	formation tight, no recovery	
WLT #3	1,702.9	misrun	
WLT #4	1,648.4	gas cut mud	10,000 cc
WLT #5	1,658.7	gas cut mud	10,000 cc
Prod. Test. 1 (1a A-41)	1,551.4 – 1,560.6	gas	max.93,445 m^3/d decreased to 28,317 m^3/d
Prod. Test 2 (1A A-41)	1,511.8-1,530	gas	*max.195,384 m^3/d decreased to 79,286 m^3/d
Prod. Test 3 (1A A-41)	1,421.6 – 1,474.9	no recovery	

*Note re Prod. Test 2 – Fluid produced after re-acidization 4.5 m^3 (approx. 60% acid water, 40% condensate).

ADDITIONAL REPORTS AND LOGS:

Well History Report

4-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
Borehole Compensated Sonic Log, Run 1 & 2 (whipstocked)
Borehole Compensated Sonic Log, Run 1 & 2
Cement Bond Log, Run 1 (whipstocked)
Directional Log (Computed), Run 1-3
Dual Induction-Laterlog, Run 1 & 2 (whipstocked)
Dual Induction-Laterlog, Run 1 & 2
Electronic Thickness Log, Run 1
Electronic Thickness Tool Log, Run 1
Formation Tester, Tests 1-6
Microlog Caliper, Run 1
Micropaleontology, Palynology, Geochem, & Source Rock Analysis
Mud Gas Analysis
Simultaneous Compensated Neutron Form. Density Log, Run 1
Simultaneous Compensated Neutron Form. Density Log 1-2
Time Depth Curve Chart
Velocity Survey
Well History Log (Drilling Rate-Mud Gas Analysis etc.)

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	384 – 1,859.3	234
Unwashed Cuttings	384 – 1,859.3	240
Sidewall Core	449.58 – 1,435.9	98
Canned Cuttings	398.5 – 562.9	37

Core

Core #	**Interval (m)**	**Recovery (m)**
1	434.8 – 1,435.9	**3.35**
2	1,461.5 - 1,470.6	5.48
3	1,470.6 – 1,477.4	6.71
4	1,561.5 – 1,570.9	3.35
5	1,607.82 – 1,616.9	8.07
6	1,616.9 – 1,624.6	6.71
(1a A-41)		
7	1,490.7 – 1,524	5.18
8	2,480.5 – 2,489.6	9.14

Fluids

Test #	**Interval (m)**	**Recovered From**	**Fluid Type**
Prod. Test 2	1,511.8 – 1,530.1	Glass Valve	condensate
Prod. Test 2	-	-	water
Prod. Test 2*	**-**	**-**	water
* After 2nd acid job	**-**	**-**	

SLIDES

Slide Type	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	374.9 - 1,676.4	63	Cuttings
Micropaleo slides	928.4 – 1,844.3	49	sidewall core

Palynology slides	446.5 – 1,844.3	70	sidewall core
Palynology slides	1,005.84 – 1,620.6	4	cuttings
Palynology slides	1,435.3 – 1,621.5	8	sidewall core
Palynology slides	374.9 – 1,837.9	80	sidewall core

Primrose F-41

WELL SUMMARY

GENERAL INFORMATION

D #	95
Location	$44^0$00'29.55" N $59^0$07'06.52" W
Company	Shell
UWI	300F414410059000
Area	Scotian Shelf
Spud Date	January 30, 1973
Rig Release Date	March 5, 1973
Drilling Rig	Sedco H
Water Depth (m)	68.6
Rotary Table (m)	29.9
Total Depth MD (m)	2,592.3
Well Type	Delineation
Well Status	P & A
Info. Release Date	Released

CASING:

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
406 mm x 296.27 m	16” x 972’
340 mm x 856.5 m	13 3/8” x 2,810’
244 mm x1,833.39 m	9 5/8” x 6,015’

GEOLOGIC TOPS :	**MD (m)**
Banquereau Fm	1,470.68 (bottom)
Wyandot Fm	1,470.68
Dawson Canyon Fm	1,657.52
Logan Canyon Fm	1,696.54
Argo Fm	1,981.53

WELL TEST SUMMARY

Type / Test	**Interval (m)**	**Recovery**	**Flow Rate / Amount**
Prod. Test 1	1,509.39 – 1,530-11	gas	123 E3M3/D

ADDITIONAL REPORTS AND LOGS:

Borehole Compensated Sonic Log, Run 1-4
Simultaneous Compensated Neutron Formation Density Log, Run 1-3

4-Arm High Resolution Continuous Dipmeter (Computed), Run 1-3
Dual Induction-Laterlog, Run 1-3
Micropaleontology, Palynology, Geochem, & Source Rock Analysis
Well History Log (Drilling Rate, Mud Gas Analysis etc.)
Directional Log, Run 1-3
Completion Record
Caliper Log, Run 1-3
Formation Tester, Tests 1-5
Velocity Survey

SAMPLES

Sample Type	Interval (ft)	# of Samples
Washed Cuttings	1,070 – 8,500	417
Unwashed Cuttings	1,070 – 8,500	404
Sidewall Core	1,050 – 8,382	144
Canned Cuttings	2,960 – 7,520	98 (dried)

Core

Core #	Interval (ft)	Recovery (ft)	# Boxes
1	5,128 – 5,152	16.5	5
2	5,152 – 5,195	33.5	10

Fluid

Test #	Interval (ft)	Recovered from	Recovery
Prod. Test #1			condensate
Prod. Test #1			oil & water

SLIDES

Slide Type	Interval (ft)	# of Slides	Sample Source
Micropaleo slides	1,040 – 8,500	110	cuttings
Micropaleo slides	1,050 – 6,494	72	sidewall core
Palynology slides	1,130 – 8,500	72	cuttings
Palynology slides	1,050 – 6,494	67	sidewall core

Primrose N-50

Well Summary

GENERAL INFORMATION

D #	75
Company	Shell
Location	44°59’48’.53” N 60°06’51.63” W
UWI	300N504400059000
Area	Scotian Shelf
Spud Date	March 14, 1972
Well Term. Date	April 21, 1972

Drilling Rig	Sedco H
Total Depth(m)	1,713.00
Water Depth MD (m)	90.8 m
Rotary Table (m)	29.9 m
Well Status	P&A
Well Type	Exploratory
Info. Release Date	released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
406 mm x 338.3m	16" x 1,110'
244 mm x 1,035.7 m	9 5/8" x 3397.9'
178 mm x 1,691.9 m	7" x 5,550.8'

WELL TEST SUMMARY

Type /Test #	**Depth (m)**	**Recovery**	**Flow Rate / Amount**	**Remarks**
Prod. Test #1	1,643.8 – 1,650.5	gas oil /condensate	6.8 E3M3/D 300 b/d	(241 MCF/D) (47.7 m^3/d)
Prod. Test #2	1,612.41 – 1650.51	gas oil / condensate	70.8 E3M3/D 350 bbl/d	(2.5 MMCF/D) (55.6 MMCF/D)
Prod Test #3	1,498.4 – 1,531.9	gas oil /condensate	476 E3M3/D 56.28 bbl/d	(16.9 MMCF/D) 8.95 m^3/d
Prod. Test #4	1,371.6 – 1,400.2	gas oil / condensate	 385.13 E3M3/D	 13.6 MMCF/D
Prod. Test #5	1,371.6 – 1,379.2	gas oil / condensate	492.7 E3M3/D 109.6 bbl/d	17.4MMCF/D 17.4 m^3/d

(Test information taken from NEB schedule of wells)

GEOLOGIC TOPS :

Formation / Member	**Depth (m)**
Banquereau Fm	1356.38 (bottom)
Wyandot Fm	1,356.38
Dawson Canyon Fm	1,445.99
Petrel Mb	1,453.3
Logan Canyon Fm	1,497.8
(Caprock)	1,571.57
Argo Fm	1,707.51

ADDITIONAL REPORTS AND LOGS:

Well History Report
4-Arm High Resolution Continuous Dipmeter, Run 1 & 2

Borehole Compensated Sonic Log, Run 1 & 2
Compensated Neutron Density Log, Run 1 & 2
Directional Log, Run 1 & 2
Dual Induction-Laterolog, Run 1-3
Formation Tester
Gamma-Ray Neutron Log, Run 1
Report on Geochemical Evaluation (x-ref 8623-R5-1P)
Micropaleontology, Palynology, & Stratigraphy of the Shell Primrose N-50 Well
Micropaleontology & Palynology Report
Micropaleontology, Palynology Summary & Source Rock Analysis
Micropaleontology, Palynology, Geochem, & Source Rock Analysis
Production Test Data
Temperature Log, Run 1
Velocity Analysis
Velocity Survey
Summary of Test Results-Iroquois, Dawson Canyon & Wyandot Fm.

SAMPLES

Sample Type	**Interval (ft)**	**# of Samples**
Washed Cuttings	1,230 – 5,600	181
Unwashed Cuttings	1,230 – 5,600	181
Sidewall Core	1,250 – 5,608	203

Fluids

Test #	**Interval (ft)**	**Recovered From**	**Recovery**
DST #1	5,390 – 5,415	NA	condensate
DST #3	5,008 – 5,026, 4,916 – 4,922 4,928 – 4,946	NA	condensate
DST #5	4,500 – 4,525	NA	condensate

SLIDES

Slide Type	**Interval (ft)**	**# of Slides**	**Sample Source**
Micropaleo slides	1,250 – 5,608	129	sidewall core
Micropaleo slides	1,200 – 4,608	52	cuttings
Palynology slides	1,200 – 5,600	54	cuttings
Palynology slides	1,250 – 5,608	172	sidewall core

Sachem D-76

WELL SUMMARY

GENERAL INFORMATION

D #	146
Location	$44^0$35'09.22" N $57^0$41'58.29" W
Company	Mobil
UWI	300D764440057300
Area	Scotian Shelf

Spud Date	May 17, 1975
Well Term. Date	July 30, 1975
Drilling Rig	Sedco J
Water Depth (m)	58.5
Rotary Table (m)	29.9
Total Depth MD (m)	4,878
Well Type	Exploratory
Well Status	P & A
Info. Release Date	Released

CASING

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
762 mm x 138.4 m	30” x 454’
508 mm x 252.7 m	20” x 829’
340 mm x 1,157 m	13 3/8” x 3,796’
244 mm x 3,098 m	9 5/8” x 10,164’

GEOLOGIC TOPS

Formation/Member	**MD (ft)**	**MD (m)**
Banquereau Fm	4,530	1,380.7 (Bottom)
Wyandot Fm	4,530	1,380.7
(?Unconformity)	5,810	1,770.9
Dawson Canyon Fm	5,810	1,770.9
Logan Canyon Fm	6,766	2,062.3
Marmora Mb	6,766	2,062.3
Sable Mb	6,966	2,123.2
Cree Mb	7,337	2,236.3
Naskapi Mb	9,164	2,393.2
Missisauga Fm	9,764	2,976.1
Missisauga Upper Mb	9,764	2,976.1
(“O” Marker)	10,600	3,230.9
Missisauga Middle Mb	10,890	3,319.3
MicMac Fm	13,033	3,972.5

ADDITIONAL REPORTS AND LOGS

Well History Report
Directional Log (Computed), Run 1-3
4-Arm High Resolution Continuous Dipmeter, Run 1-3
Borehole Compensated Sonic Log, Run 1-4
Borehole Compensated Sonic Log (Field Print), Run 1,2,3,4
Simultaneous Comp. Neutron Formation Density, Run 1-3
Simultaneous Comp. Neutron Formation Density (Field Print), Run 1,2,3
Velocity Survey and Velocity Log Calibration
Dual Induction Laterolog, Run 1-4
Dual Induction Laterolog (Field Print), Run 1,2,3,4
Velocity Analysis
Calibrated Velocity Log
Mud History Log
Directional Survey
Temperature Log, Run1
Temperature Log (Field Print), Run 1
Formation Tester, Test 2
Palynological and Paleontological Summaries

SAMPLES

Sample Type	Interval (m)	# of Samples	Remarks
Washed Cuttings	265.2 – 4,876.8	1,064	
Unwashed Cuttings	265.2 – 4,812.8	1,065	
Sidewall Core	477.0 – 4,830.7	217	
Canned Cuttings	1,179.5 – 4,876.8	365	dried samples

SLIDES

Slide Type	Interval (m)	# of Slides	Sample Source
Micropaleo	265.2 – 4,876.8	182	cuttings
Palynology	524.3 - 2,249.4	35	sidewall core
Palynology	265.2 – 4,876.8	218	cuttings

Dauntless D-35

WELL SUMMARY

GENERAL INFORMATION

D #	27
Location	44°44'08.26" N 57°20'46.62" W
Company	Mobil et al
UWI	300D354450057150
Area	Scotian Shelf
Spud Date	April 26, 1971
Well Term. Date	July 16,1971
Drilling Rig	Sedco H
Water Depth (m)	69.2
Rotary Table (m)	31.4
Total Depth MD (m)	4,741
Well Type	Exploration
Well Status	P & A
Info. Release Date	Released

CASING

Casing Size x Depth (metric)	Casing Size x Depth (imperial)
762 mm x104.7 m	30" x 350'
406 mm x 242 m	16" x 794'
298.5 mm x 983.6 m	11 3/4" x 3,227'
244 mm x 2,562.5 m	9 5/8" x 8,407'

GEOLOGIC TOPS

Formation/Member	MD (ft)	MD (m)
Banquereau Fm	4,700	1,432.5 (bottom)
Wyandot Fm	4,700	1,432.5
Dawson Canyon Fm	6,002	1,829.4
Petrel Mb	6,470 – 6,515	1,972.1 – 1,985.7

Logan Canyon Fm	7,090	2,161.0
Marmora Mb	7,090	2,161.0
Sable Mb	7,225	2,202.2
Cree Mb	7,576	2,309.2
Naskapi Mb	9,012	2,746.9
Missisauga Fm	9,630	2,935.2
Missisauga upper Mb	9,630	2,935.2
("O" marker)	10,440	3,182.1 – 3,282.7
Missisauga middle Mb	10,770	3,282.7
(base Cretaceous unconformity?)	11,882	3,621.6
MicMac Fm	12,165	3,707.8

ADDITIONAL REPORTS AND LOGS

Well History Report
Borehole Compensated Sonic Log, Run 1-3
Compensated Formation Density Log, Run 1 & 2
3-Arm Focused Continuous Dipmeter, Run 1
Dual Induction-Laterlog, Run 1-3
Paleontological Analysis
Stratigraphic Column
Directional Log (Computed), Run 1 & 2
Velocity Survey
Well Velocity Survey (Shooting Plan)
Geochemical Evaluation Report (x-ref 8623-R5-1P)
Sidewall Neutron Porosity Log, Run 1
Caliper Log, Run 1
Geochemical Analysis
D.A.T.A. Log (Data Acquisition & Technical Analysis)
4-Arm High Resolution Continuous Dipmeter, Run 1 & 2
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1 & 2
Borehole Compensated Sonic Log (DC Plot/Reflectivity), Run 1-3
Summary of Palynological Analysis (Interval 4000ft - 15 555ft TD)
Micropaleontology, Palynology, & Stratigraphy Report.
Vitrinite Reflectivity

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	305.1 – 4,724.7	859
Unwashed Cuttings	313.9 – 4,724.7	901
Sidewall Core	370.6 - 1,011.0	28

Core

Core #	**Interval (m)**	**Recovery (m)**
1	3,162.6 – 3,172.1	3.7
2	4,719.2 – 4,728.3	1.2

SLIDES

Slide Type	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo	313.9 - 4,742.7	294	cuttings
Micropaleo	535.8 - 5,47.4	47	sidewall core
Palynology	313.9 - 4,742.7	112	cuttings
Palynology	3,163.0 - 3,723.2	7	core
Palynology	371.2 - 4,693.3	75	sidewall core

Thin Sections	3,165.9 - 4,721.4	2	core

3. Released Sample Reports

Report #	Completion Date	Report Description
SR2007-7A	2008	Detrital zircons as provenance indicators in the Lower Cretaceous sedimentary rocks of the Scotian Basin, Eastern Canada: A SEM_CL study of textures. GSC Open file 5746 **(Alma K-85, Thebaud C-74, Glenelg N-49, Venture 2, Fox I-22, Crow F-52, Peskowesk A-99, Dauntless D-35, Diogenes Brook)**
SR2007-2	2007	Nova Scotian Shelf: **Banquereau C-21, Dauntless D-35, N. Banquereau I-13, Sachem D-76. South Griffin J-13.** Biostratigraphic Review and Correlation
SR2004-1	2004	Nova Scotian Shelf: Biostratigraphic and Sequence Stratigraphic Correlation of the Early Cretaceous Strata in Seven Wells (**Annapolis G-24, Balvenie B-79, Louisbourg J-47, Southampton A-25, Tantallon M-41, West Chebucto K-20)**
SR2003-4 x ref SR2002-11	2003	High Resolution Chronostratigraphy and Depositional Environments of Five Wells Scotian Shelf, Offshore Eastern Canada (**Glenelg J-48, Eagle D-21, South Venture O-59, Tuscarora D-61, South Griffin J-13)**
SR2002-11 x ref 2003-4	2008	High-Resolution Chronostratigraphy and Depositional Environments of Eleven Wells, Scotian Shelf, Offshore Eastern Canada (**Abenaki J-56, Dauntless D-35, Dover A-43, Louisbourg J-47, N. Banquereau I-13, Sachem D-76, Sauk A-57, S. Desbarres O-76, S.W. Banquereau F-34, W. Chebucto K-20)**
SR2002-10C	2009	Petrology and Mineralogy of Lower Cretaceous sedimentary rocks, **Dauntless D-35** well, Scotian Shelf (GSC Open file 6280) G.Pe-Piper and D.J.W. Piper
SR2002-10	2003	Lower Cretaceous Lithofacies and Petrology of **Peskowesk A-99** and **Dauntless D-35** wells, Scotian Basin
SR2002-4	2003	Sequence Stratigraphy and Chronostratigraphic Correlation of Six Wells Offshore Nova Scotia **(Evangeline H-98, Shubenacadie H-100, Tantallon M-41, Albatross B-13, Shelburne G-29, Alma F-67)**
SR2001-7	2001	Rock Eval Data **(Acadia K-62, Adventure F-80, Erie D-26, Como P-21, Dover A-43, Demascota G-32, Eagle D-21, Primrose A-**

		41)
SR2001-3	2001	High Resolution Biostratigraphy of Seven Scotian Shelf Wells: A New Framework for Regional Chronostratigraphy and Depositional Environments **(Bonnet P-23, Mohawk B-93, Shelburne G-29, Albatross B-13, Acadia K-62, Shubenacadie H-100, Tantallon M-41)**
SR2000-14	2001	Geochemical Analyses of Selected Samples for 11 wells (**Glooscap C-63, Glenelg J-48, Chebucto K-20, Tantallon M-41, S. Griffin J-13, Dauntless D-35, Mohican I-100, Iroquois J-17, Argo F-38, Alma K-85, Glenelg E-58)**
SR2000-13	2001	Dielectric Constant Measurements – Wells: **Thebaud I-93, Thebaud I-94, Evangeline H-98, Shelburne G-29 and Tantallon M-41**
SR1999-7	2001	Frontier Reservoirs of the North Atlantic (47 Offshore Nova Scotia wells **Acadia K-62, Albatross B-13, Alma K-85, Citadel H-52, Cohasset CP 6A (P-51),Dauntless D-35, Demascota G-32, S. Desbarres O-76, Evangeline H-98, Glenelg E-58, Glenelg E-58A, Glenelg J-48A, Hercules G-15, Louisbourg J-47, MicMac D-89, MicMac H-86, Moheida P-15, Mohican I-100, Naskapi N-30, N. Triumph G-43, Oneida O-25, Onondaga B-94, Panuke B-90,Penobscot B-41. Peskowesk A-99, Primrose A-41, Sable Island 3H-58, Shubenacadie H-100, S.W. Banquereau F-34, Tantallon M-41, Thebaud I-93, Venture B-43, Venture B-52, W. Chebucto K-20, W. Olympia O-51)**
SR2000-6	2000	Geochemical results of core samples from various wells (**Louisbourg J-47, Peskowesk A-99, Tantallon M-41, Citadel H-52, N. Banquereau I-13, Esperanto K-78, South Griffin J-13, Dauntless D-35)**
SR2000-1	2000	Vitrinite Reflectance (Ro) of Dispersed Organics from Petro-Canada et al **North Banquereau I-13** (contact GSC – Atlantic)
SR1997-7	2000	Frontier Reservoirs of the North Atlantic Margin **(Acadia K-62, Albatross B-13, Alma K-85, Chippewa L-75, Dauntless D-35, Demascota G-32, S. Desbarres O-76, Evangeline H-98, Glenelg E-58, Glenelg E-58A, Glenelg J-48, Glenelg JH-48A, Hercules G-15, Louisbourg J-47, MicMacD-89, MicMac H-86, Moheida P-15, Mohican I-100, Naskapi N-30, N. Triumph G-43, Oneida O-25, Onondaga B-94, Panuke B-90,, Penobscot B-41, Peskowesk A-99, Primrose A-41, Sable Island 3H-58, Shubenacadie H-100, S.W. Banquereau F-34, Tantallon M-41, Thebaud I-93, Venture B-43, Venture B-52, W. Chebucto K-20, W. Olympia O-51)**
SR1999-2	1999	Eastern Canada Margin Oil Study (**Alma K-85, Alma F-67, Glenelg E-58, Glenelg J-48, Glenelg J-49, Chebucto K-90, N. Triumph G-43, Panuke PP1, Panuke B-90, Intrepid L-80, Cohasset CP6B, Cohasset CP3A, Cohasset CP9, Cohasset**

		CP4, Cohasset CP6, Cohasset D-42, Cohasset A-52, Balmoral M-32, Thebaud I-93 Thebaud C-74, South Sable B-44, Thebaud I-94, Thebaud P-84, Cohasset L-97, Sable Island O-47, Sable Island E-48, Sable Island H-58, Sable Island 2H-58, Sable Island 3H-58, S. Venture O-59, Primrose N-50, Primrose A-41, Olympia O-51, W. Venture C-62, Olympia A-12, Venture B-52, Venture H-22, Venture B-43, Arcadia J-16, Bluenose 2G-47, Citnalta I-59, Penobscot L-30, Banquereau C-21, Uniacke G-72)
SR1997-3	1997	Palynological study of selected samples from 6 wells in the Scotian Shelf area, Eastern Canada**. (Evangeline H-98, Glenelg E-58, Tantallon M-41, Alma F-67, Chebucto K-90, W. Chebucto K-20,**
SR1994-2	1994	Vitrinite Reflectance of Dispersed Organics from Thirteen Scotian Shelf Wells GSC Open File #3115. (**Bluenose 2G-47, Citadel H-52, Eagle D-21, Intrepid L-80, Merigomish C-52, N. Triumph B-52, Onondaga B-96, Sable Island C-67, South Desbarres O-76, South Venture O-59, Thebaud I-93, Venture D-23, Wenonah J-75)** (Contact GSC Atlantic)
SR1993-5	1993	Analyses and Interpretation of Geochemical and Source Rock Data from Scotian Shelf Wells. (**Cohasset A-52, Sable Island 3H-58, Venture B-52, South Desbarres O-76, North Triumph G-43, S.W. Banquereau F-34, Thebaud C-74)**
SR1991-3	1991	Vitrinite reflectance (Ro) of dispersed organics from Shell **Tantallon M-41** GSC Open File Report #2381 (Contact GSC Atlantic)
SR1991-2	1991	Characterization and Maturation of Selected Cretaceous and Jurassic Source Rocks and Crude Oil, Scotian Shelf **(Arcadia J-16, Bluenose 2G-47, Penobscot L-30, Venture H-22, Alma F-67, Banquereau C-21, Chebucto K-20, Citnalta I-59, Cohasset A-52, Cohasset D-42, Glenelg J-48, N. Triumph B-52, N. Triumph G-43, Olympia A-12, Panuke B-90, Primrose A-41, Primrose N-50, Sable Island E-48, Sable Island 3H-58, S. Venture O-59, Thebaud C-74, Venture B-13, Venture B-43, Venture B-52, Cree E-35, Migrant N-20, Penobscot L-30, S. Desbarres O-76 S. Sable B-44, W. Chebucto K-90, Whycocomagh N-90)**
SR1991-1	1991	Vitrinite Reflectance of Dispersed Organics from Conventional Cores from Seven Scotian Shelf Wells. GSC Open File #2455 (**Arcadia J-16, Louisbourg J-47, South Desbarres O-79, Venture B-52, West Chebucto K-20, West Venture C-62, West Venture N-91)** Contact GSC-Atlantic
SR1990-5	1990	Evaluation of Organic Facies of Verrill Canyon Formation Sable Subbasin, Scotian Shelf **(Thebaud B-84, Alma F-67, Glenelg J-48, Intrepid L-80, Southwest Banquereau F-34)**
SR1990-3	1990	Characterization and Maturation of Selected Oil and Condensate Samples and Correlation with Source Beds, Scotian Shelf (**Alma F-67, Arcadia J-16, Banquereau C-21, Chebucto K-90, Citnalta I-59, Cohasset A-52, Cohasset D-42, Glenelg J-48, Intrepid L-80 N. Triumph**

		B-52, N. Triumph G-43, Olympia A-12, Panuke B-90, Primrose A-41, Primrose N-50, Sable Island 3H-58, Sable Island E-48, South Venture O-59, Thebaud C-74, Venture B-52, Venture B-13, Venture B-43)
SR1988-4	1988	Mesozoic-Cenozoic Foraminiferal, Ostracod and Calpionellid Zonation of the North Atlantic Margin of North America: Georges Bank - Scotian Basins and Northeastern Grand Banks Biostratigraphic Correlation of 51 Wells **(Mohawk B-93, Mohican I-100, Naskapi N-30, Moheida P-15, Acadia K-62, Oneida O-25, Demascota G-32, Cree E-35, Cohasset P-42, Onondaga E-84, Glenelg J-48, Migrant N-20,Thebaud I-94, Penobscot L-30, Intrepid L-80, Sable island C-67, Olympia A-12, Abenaki J-56, South Venture O-59, Venture B-43, Venture B-13,Uniacke G-72, Citnalta I-59, MicMac H-86, Wyandot E-53, Primrose A-41, Primrose N-850, Primrose F-41, Sauk A-57,. W. Esperanto B-78, Louisburg J-47, Jason C-20, S. Griffin J-13, Dauntless D-35)** (GSC Open file No.1791)
SR1979-1	1979	Palynological Zonation and Correlation of Sixty-seven Wells, Eastern Canada **(Argo F-38, Bluenose G-47, Cohasset D-42, Cree E-35, Dauntless D-35, Esperanto K-78, Eurydice P-36, Fox I-22, Hercules G-15, Iroquois J-17, MicMac J-77, Missisauga H-54, Mohawk B-93, Mohican I-100, Naskapi N-30, Ojibwa E-07, Oneida O-25, Primrose A-41, Primrose ia-A-41, Sable Island C-67, Sauk A-57, Triumph P-50, Wyandot E-53 also includes Labrador Shelf, Grand Banks wells and Gulf of St. Lawrence wells: Bradelle L-49, East Point E-49, Green Gables No. 1, Irish town No. 1, N. Sydney P-05, Northumberland Strait F-25, and Tyrone No. 1.)**

4. Geophysical Data – Report Descriptions

Program No. (Parcel #)	Completion Date (year)	Length (km)	Title	Mylar (Y/N)
8924, NS24-C149-001E (3)	2004	512.20	2D Seismic Survey – Laurentian Channel	Y
NS24-E043-002E (2,3)	2002	1,766.77 km^2	3D Seismic Survey over Stonehouse	N
NS24-G075-003P (1,2,3,4)	2003	3,356.6	Ultra deep 2D Seismic – Nova SPAN	N
NS24-T063-002P (1,2,3,4)	2002	12,585.84	Deepwater infill, Easters Slope	Y
NS24-W030-001P (1,2,3,4)	2001	10,686.04	2D Sable Island Area	N
NS24-G005-003P	2000	2,107.90	2D Survey, Laurentian Channel	Y

Program No. (Parcel #)	Completion Date (year)	Length (km)	Title	Mylar (Y/N)
NS24-G005-002P (1,2,3,4)	2000	9,678.00	2D Seismic Survey, Barrington	Y
NS24-G026-001P, G065-001P (1,2,3,4)	1998 1999	7,107.80 25,006.38	2D Deep Water, Scotian Shelf	N Y
NS24-J014-001P (1,2,3)	1998	1,999.4	Scotian Shelf East	Y
NS24-W013-001P (1,2,3,4)	1998	11,587	Nova Scotia 2000-2D Seismic	N
BGR 1989 (1,2)	1989		Contact BGR	-
Lithoprobe 1989 (1,2)	1989	567.03	Scotian Shelf Area Deep Seismic Reflection Survey – **Contact Natural Resources Canada**	-
8624-W013-005P (1,2,3)	1985	2,057.29	Final Report Marine Seismic Survey of East Coast Canada, Nova Scotia Area 1985	Y
8624-B011-008E (3)	1984	482.00	Deep Reflection Seismic Program over East Banquereau Block	Y
8624-B011-007E (3)	1984	186.70	Deep Reflection Seismic Program over East Banquereau Block (South Sable III)	Y
8624-S006-045E (1	1984	320.5	Final Report on 1985 Seismic Acquisition, Banquereau	Y
8624-S006-042E (1,2,4)	1984	674.00	Reflection Seismic Final Report, Nova Scotia Offshore Slope, Panasonic and Browns Bank Areas	Y
8624-W013-002P (1)	1984	1,103.50	1984 Marine Speculative Survey, Sable Island	Y
8624-S006-038E (1,3)	1983	438.00	Reflection Seismic in Banquereau, Python and Acadia Areas	Y
8624-B011-005E (2,3)	1983	1,082.03	Deep Reflection Seismic Program, East Banquereau Block	Y
8620-S014-006E (1,2,3)	1983	13,239.85	Marine Reflection Seismic Survey Over the Scotian Shelf Area (Including West Slope Area, West Banquereau, East Banquereau, Sable, and Scotia Basin	Y
8624-N005-002E (2)	1983	821.28	1983 Final Report on Reconnaissance Seismic Reflection Survey, Sable Island Area	Y
8624-S006-035E (1,2)	1983	2,081.20	Reflection Seismic Final Report, Panasonic, Glace Bay and East Panasonic Areas	

Program No. (Parcel #)	Completion Date (year)	Length (km)	Title	Mylar (Y/N)
St. Pierre Survey	1983		Multichannel 2D seismic **Natural Resources Canada**	-
8620-J008-007E (1,2,3)	1983	2,258.93	Report on the Geophysical Survey, ICG Parks Offshore Exploration Partnership 1982 Banquereau Area	Y
8624-W013-001P (1,2)	1983	3,910.21	Final Report on Marine Seismic Survey of East Coast Canada, Nova Scotia Area 1983	Y
8624-B011-003E	1982	2,270.07	Deep Reflection Seismic Program, North Abenaki	Y
8624-C055-003E (1,2)	1982	1,439.10	Final Report on Seismic Survey, Sable Island Area	Y
8624-D003-003E x-ref 8624-D009-002E (1)	1982	1,040.95	2D Survey – East Sable Area	N
8624-P028-036E (1)	1982	528.90	Marine Reflection Seismic, Gravity & Magnetic Survey-Banquereau Area	Y
8624-P028-046E (2,3)	1982	2,007.38	1982 Marine Reflection Seismic, Gravity & Magnetic Survey, East Banquereau	Y
8624-S006-033E (3)	1982	4,832-36	Reflection Seismic final Report, North and South Sable Areas	Y
8624-S006-032E (1,2,3,4)	1982	5,716.72	Reflection Seismic Program, Brown's Bank, Medway, South Acadia, Mira Bay, Glace Bay, Tor Bay and Python Areas on the Slope	Y
8624-P028-029E	1982	2,867.53	Marine Reflection Seismic, Gravity & Magnetic Survey, North Sable & North Abenaki	Y
8624-P028-028E	1981	570.40	Marine Reflection Seismic, Gravity & Magnetic Survey-Banquereau Area	Y
8620-S006-028,031E (1,2,3)	1981	2,447.87	Reflection Seismic Progress Report, south Acadia Panasonic, E. Panasonic and Python	N
8624-M003-041E (1,2)	1981	1,755.95	Marine Seismic Survey, East Banquereau Area	N
8624-P028-015E (1)	1981	1,100.30	1981 Marine Reflection Seismic, Gravity & Magnetic Survey, Banquereau Prospect	N
8624-S006-027E (1,2)	1981	2,353.00	Reflection Seismic Program in South Sable Area, Offshore Nova Scotia	Y

Program No. (Parcel #)	Completion Date (year)	Length (km)	Title	Mylar (Y/N)
8624-S006-023E (2)	1980	3,003.00	Reflection Seismic Report, North and South Sable Area, Offshore Nova Scotia	Y
RC2111 (1,2,3,4)	1978	948.00	MCS and OBH study of the structure of the J-Anomaly ridge and of the ridge complex beneath the Nova Scotian continental rise and slope. **Contact-Lamont Doherty Earth Observatory**	-
8620-J001-002E (1,2)	1973	4,421.22	Report on Geophysical Surveys, Orphan Block	N
8624-S006-012E (2,3,4)	1973	8,548.6	1973 Geophysical Report, Onondaga, Oneida, Wenonah, Hawkeye, Dolphin & Carbonate Edge	N
8624-M003-014E (1)	20-Jun-73 8-Sep-73	1,923.17	1973 Geophysical Report, South Sable Island	N
8620-C020-001E (1,2,3)	1971	6,536.9	Report on Seismic, Gravity, & Magnetic Survey, Scotian Shelf	Y
8620-G005-004P (1,2,3,4)	1972	10,848.65	Final Report, East Coast Canada, Offshore Nova Scotia – Offshore Newfoundland Areas	Y
8620-J001-001E (1,2,3,4)	1972	10,491.58	Report on Geophysical Surveys, Eastern Canada Offshore, Laurentian Cone and Orphan Areas	N
8620-S006-009E x-ref 8620-S6-2E xref8624-S6-9E (2,3)	1972	9,248.64	Geophysical Survey on Scotian Slope, South West Sable Island, Eagle, Primrose	N
8620-S024-001P (3,4)	1972	5,857.77	1972 East Coast Marine Participation Survey Offshore Nova Scotia and Newfoundland (Grand Banks)	Y
8624-C020-001E (1,2,3)	1971	6,536.9	Report on Seismograph Survey, Nova Scotia Shelf	Y
8624-M003-002E (2)	1970	5,574.10	Geophysical Report on Banquereau Bank, Sable Island, and Grand Banks	Y
8624-C015-001P (1)	1969	1,957.23	Gulf of St. Lawrence, Avalon and Scotian Shelf Marine Seismic Participation Survey	N

Program No. (Parcel #)	Completion Date (year)	Length (km)	Title	Mylar (Y/N)
8620-M003-009E (1,2,3)	1969	9,311.40	Geophysical Report 1969 Operational Season on Sable Island, Banquereau, Truxton and Bay of Fundy Areas	Y
8620-M003-007E (2,3)	1968	7,960.40	Geophysical Report 1968 on Operational Season on Grand Banks, Sable Island, South Sable, Banquereau Bank, Truxton and Bay of Fundy Areas	N

5. Program Location Maps

Figure 01: Location Map for 8624-B011-003E

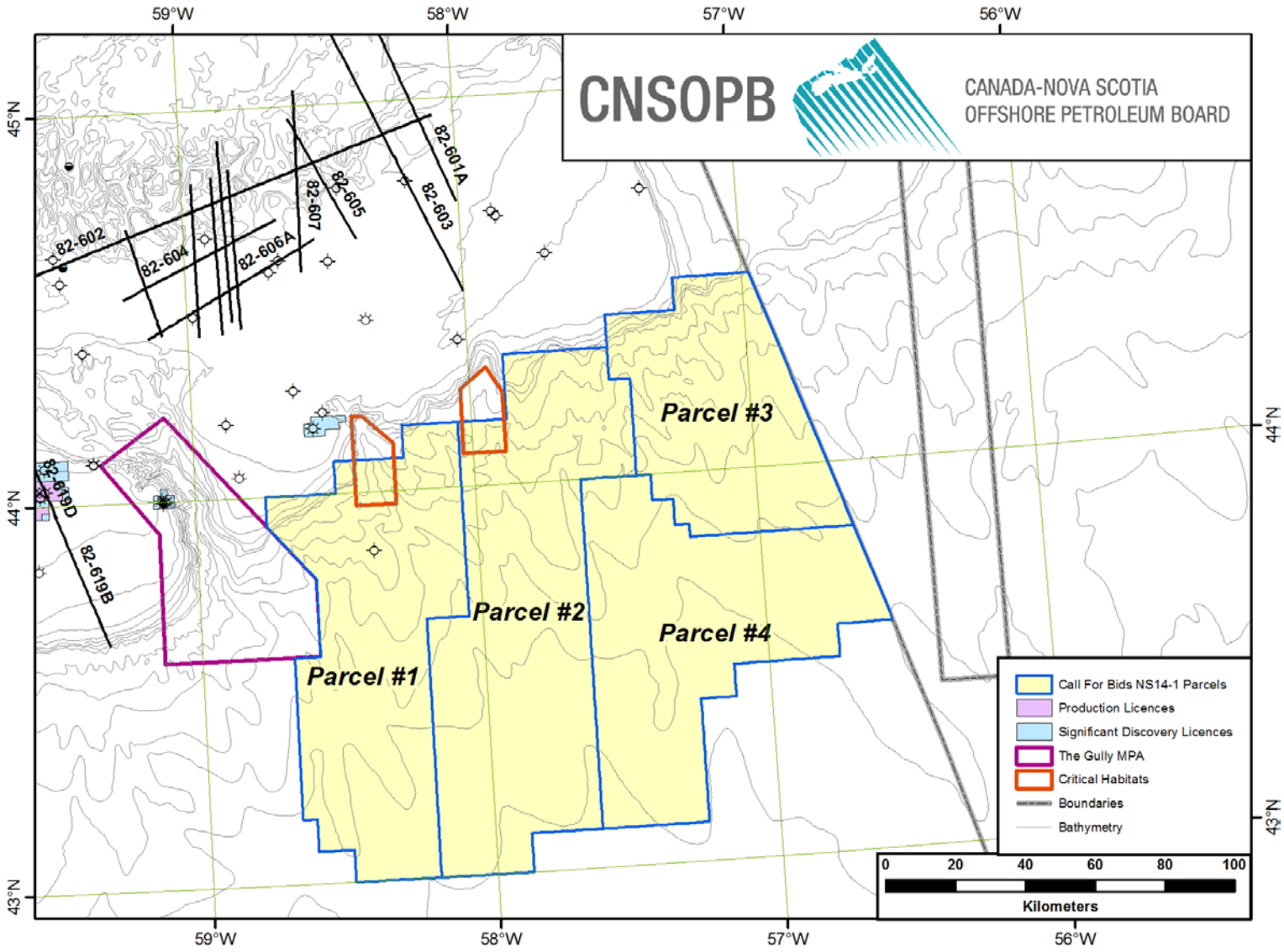


Figure 02: Location Map for 8624-B011-005E

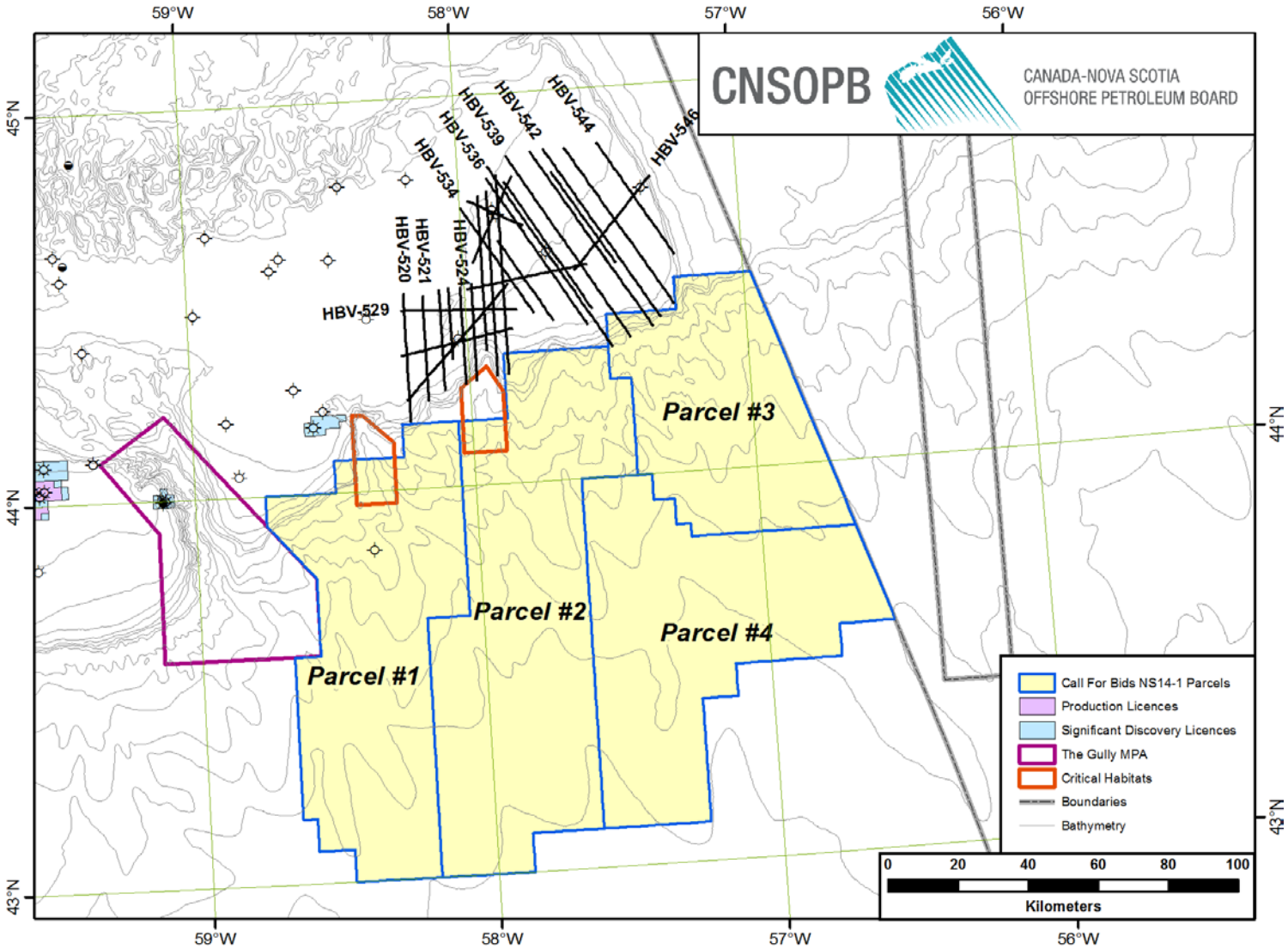


Figure 03: Location Map for 8624-B011-007E

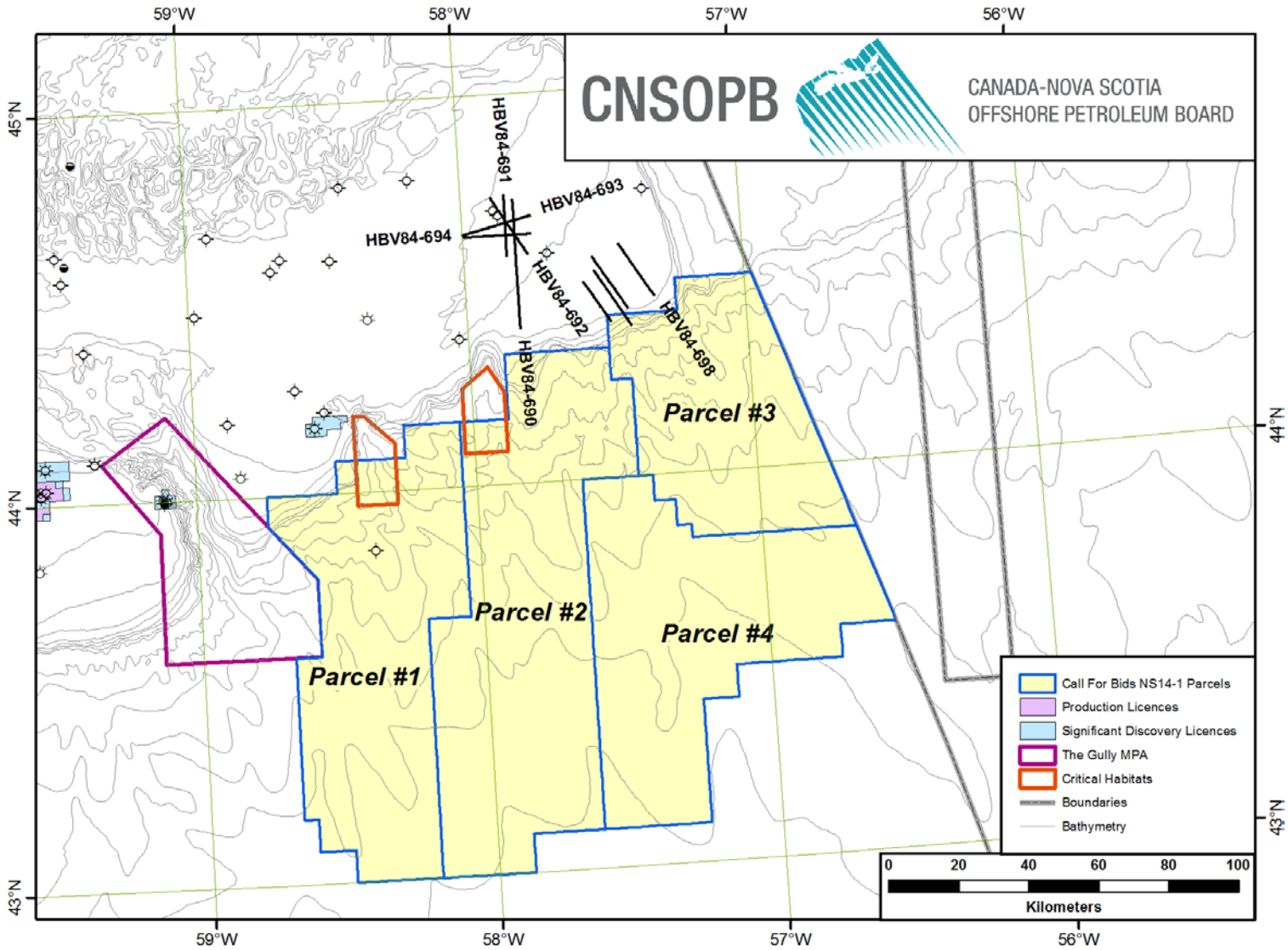


Figure 04: Location Map for 8624-B011-008E

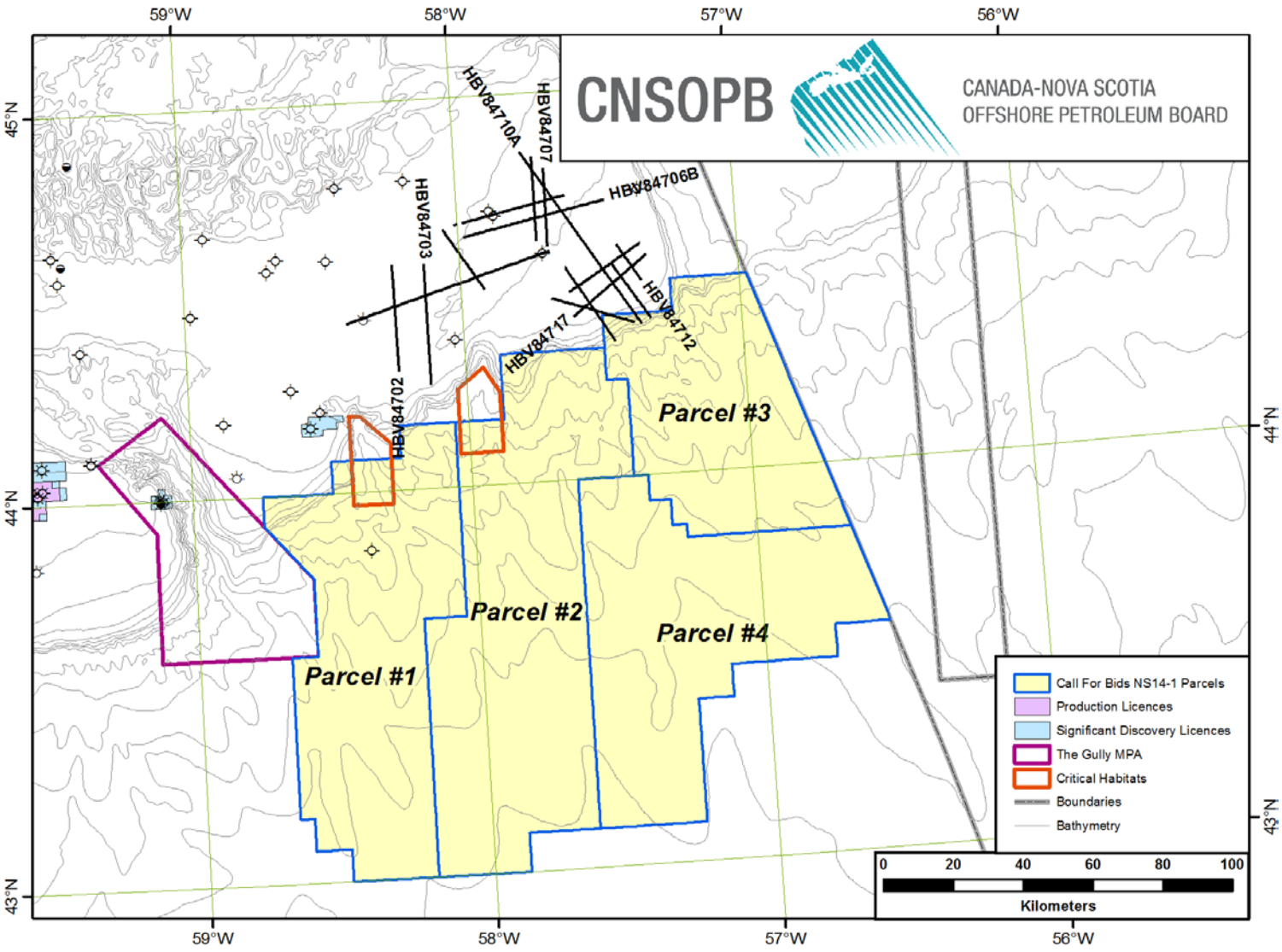


Figure 05: Location Map for 8624-C015-001P

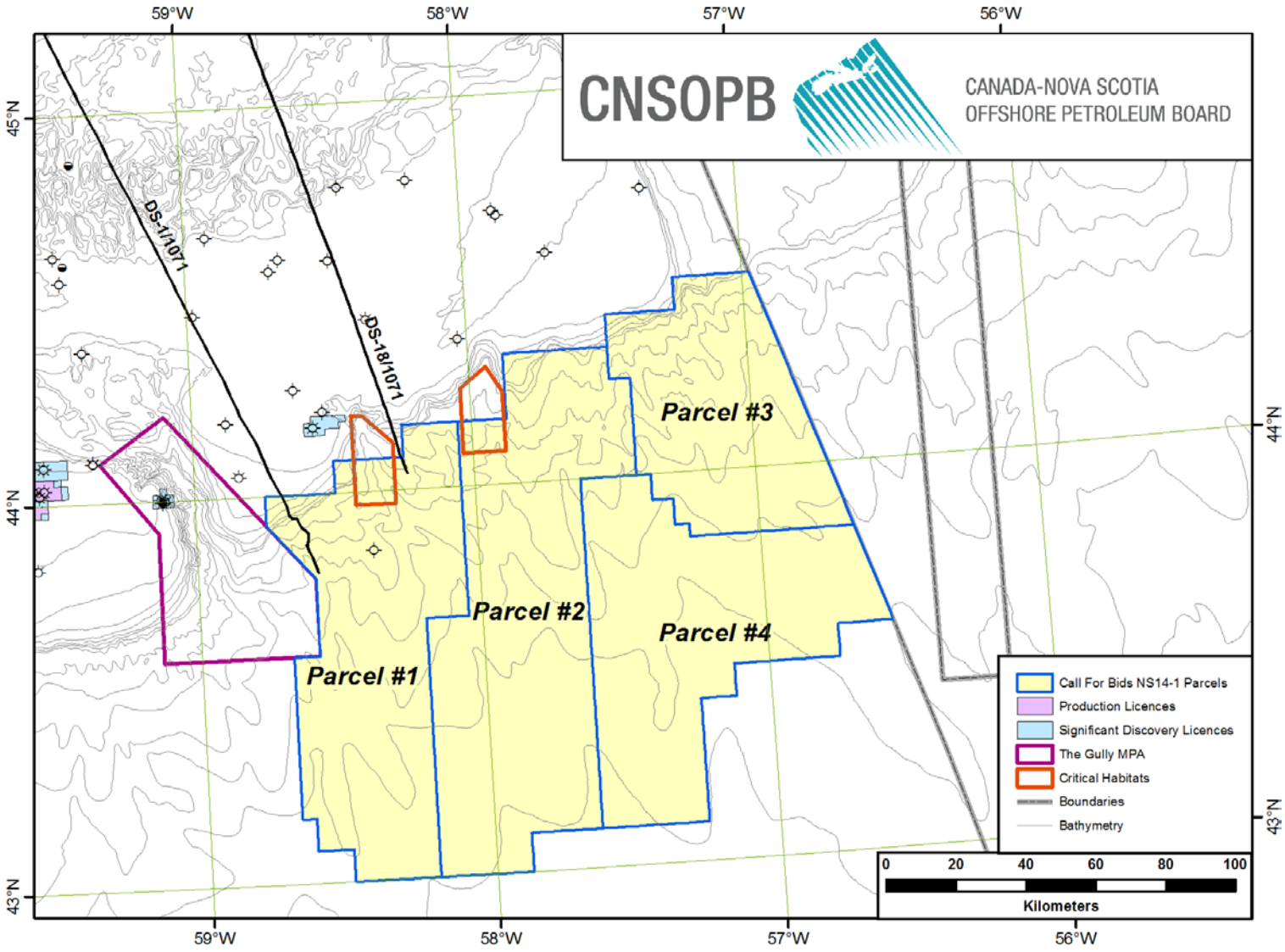


Figure 06 Location Map for 8620-C020-001E

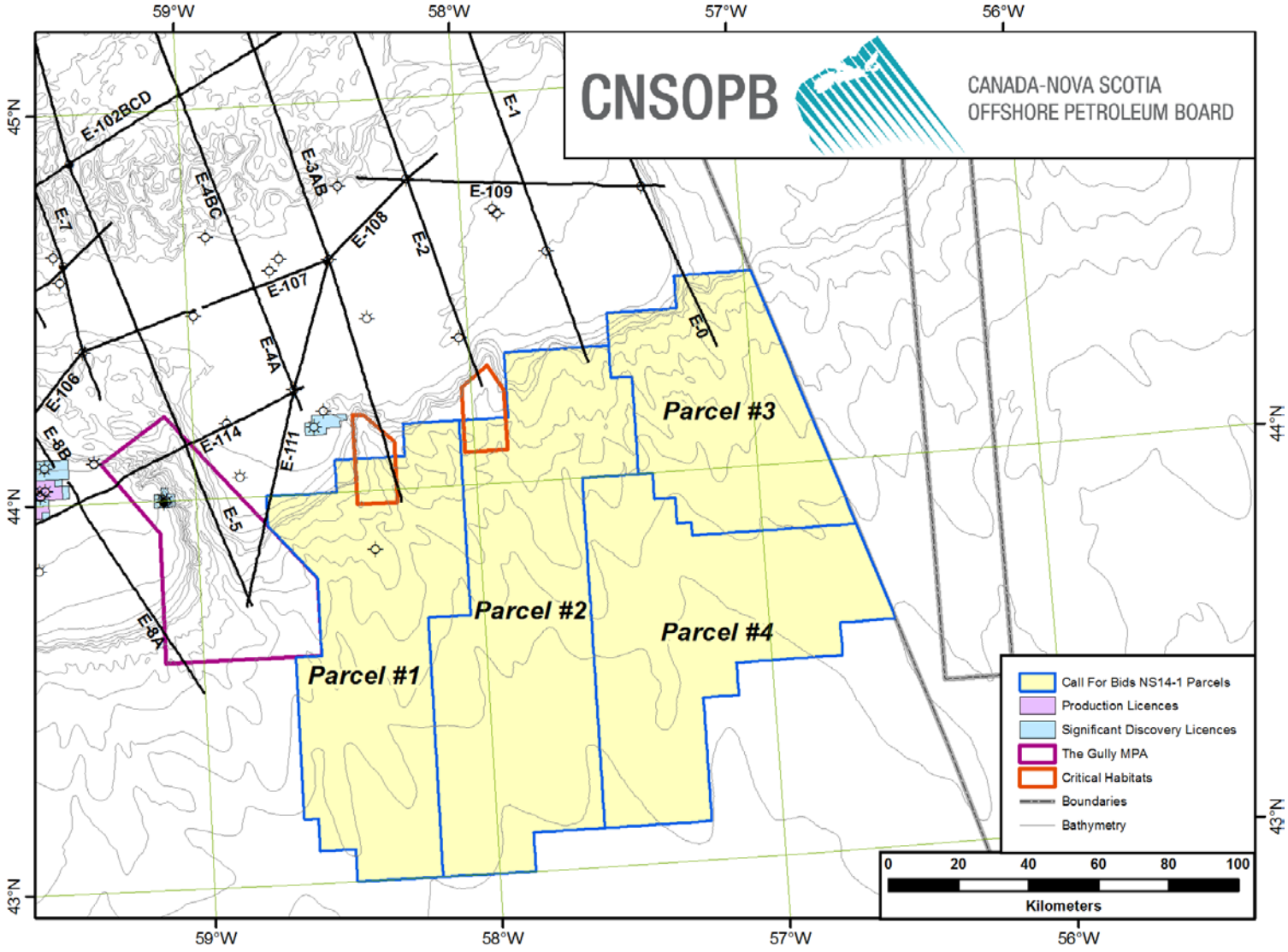


Figure 07: Location Map for 8624-C020-001E

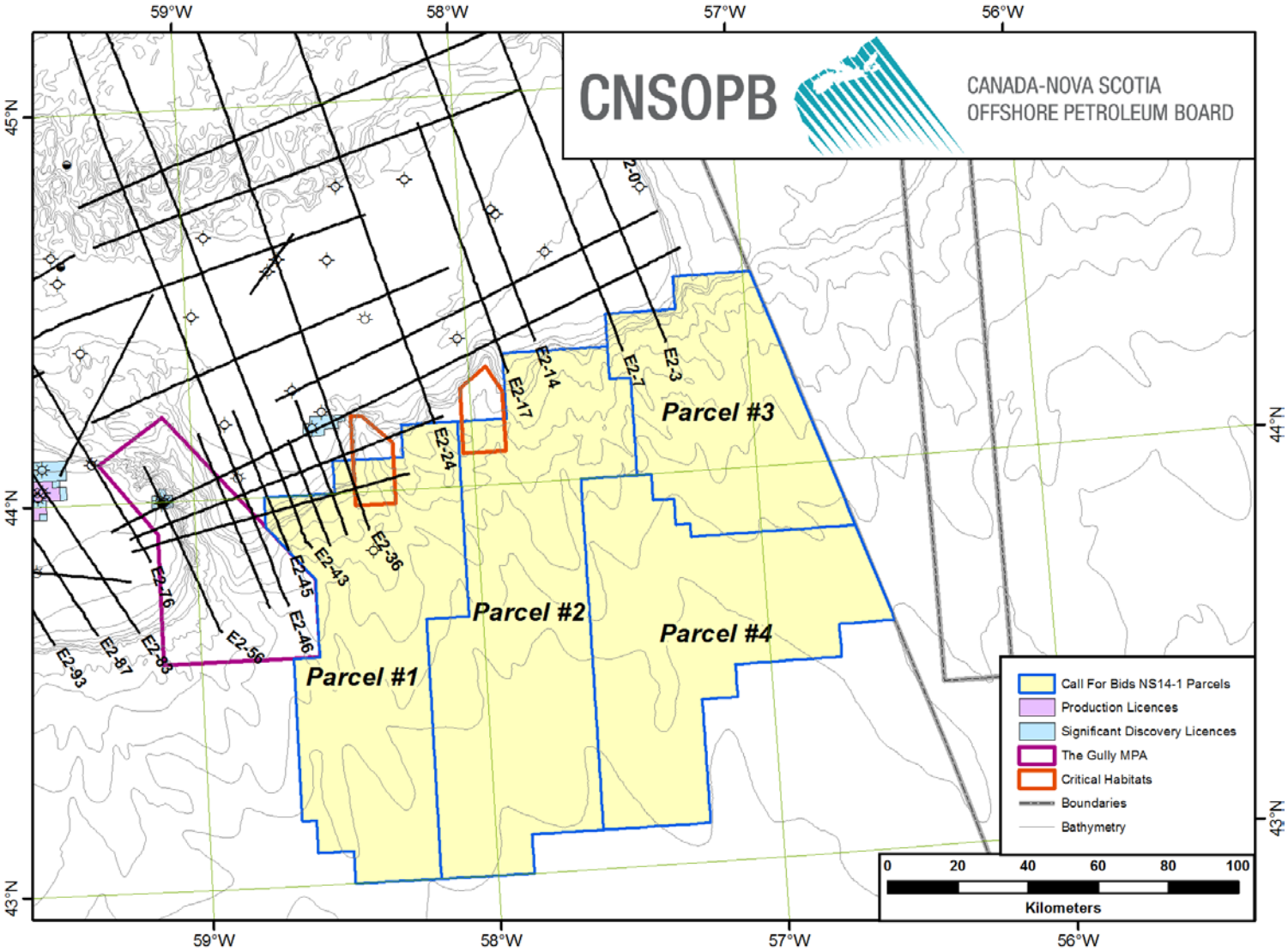


Figure 08: Location Map for 8624-C055-003E

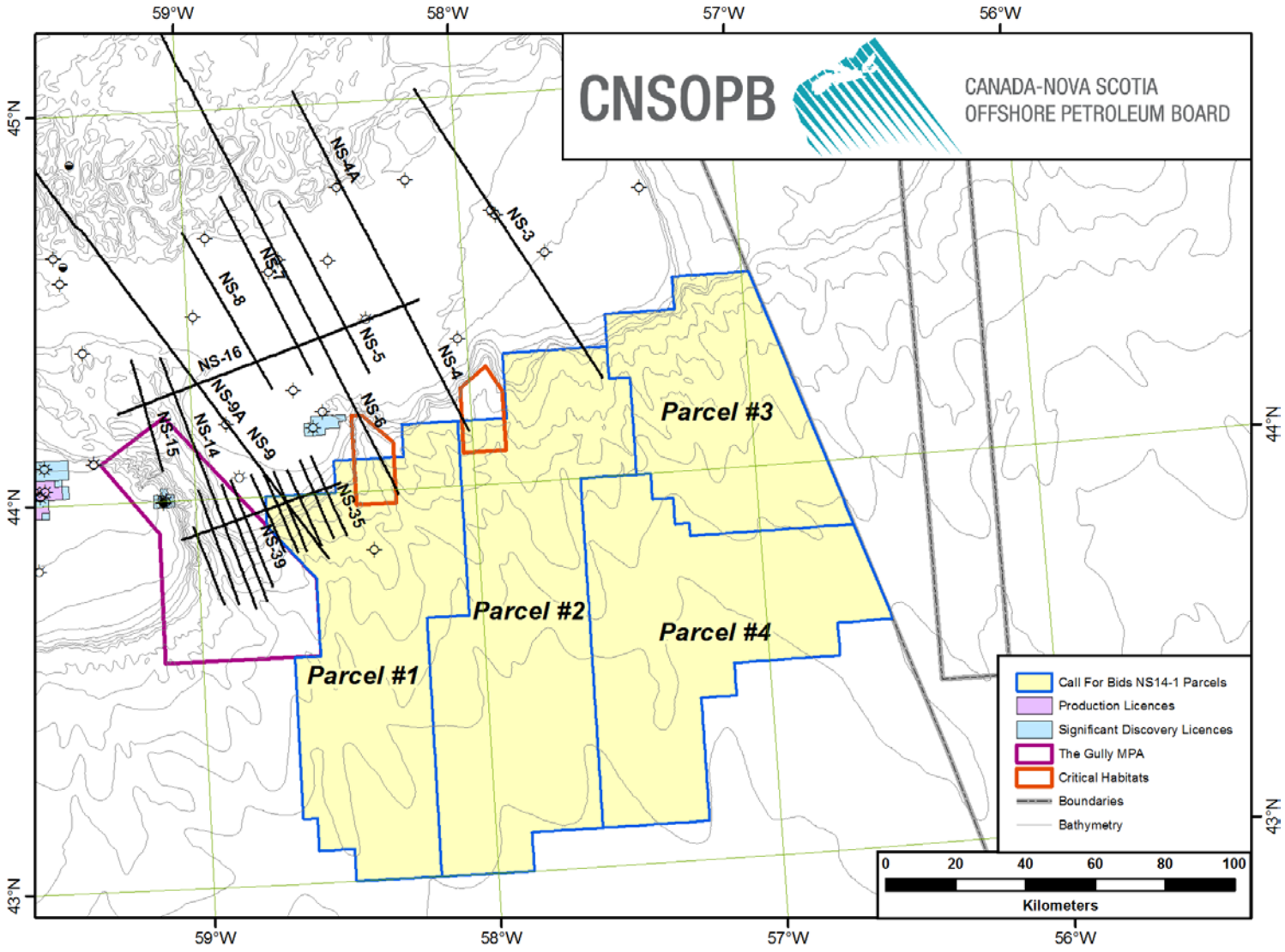


Figure 09: Location Map for 8924, NS24-C149-001E

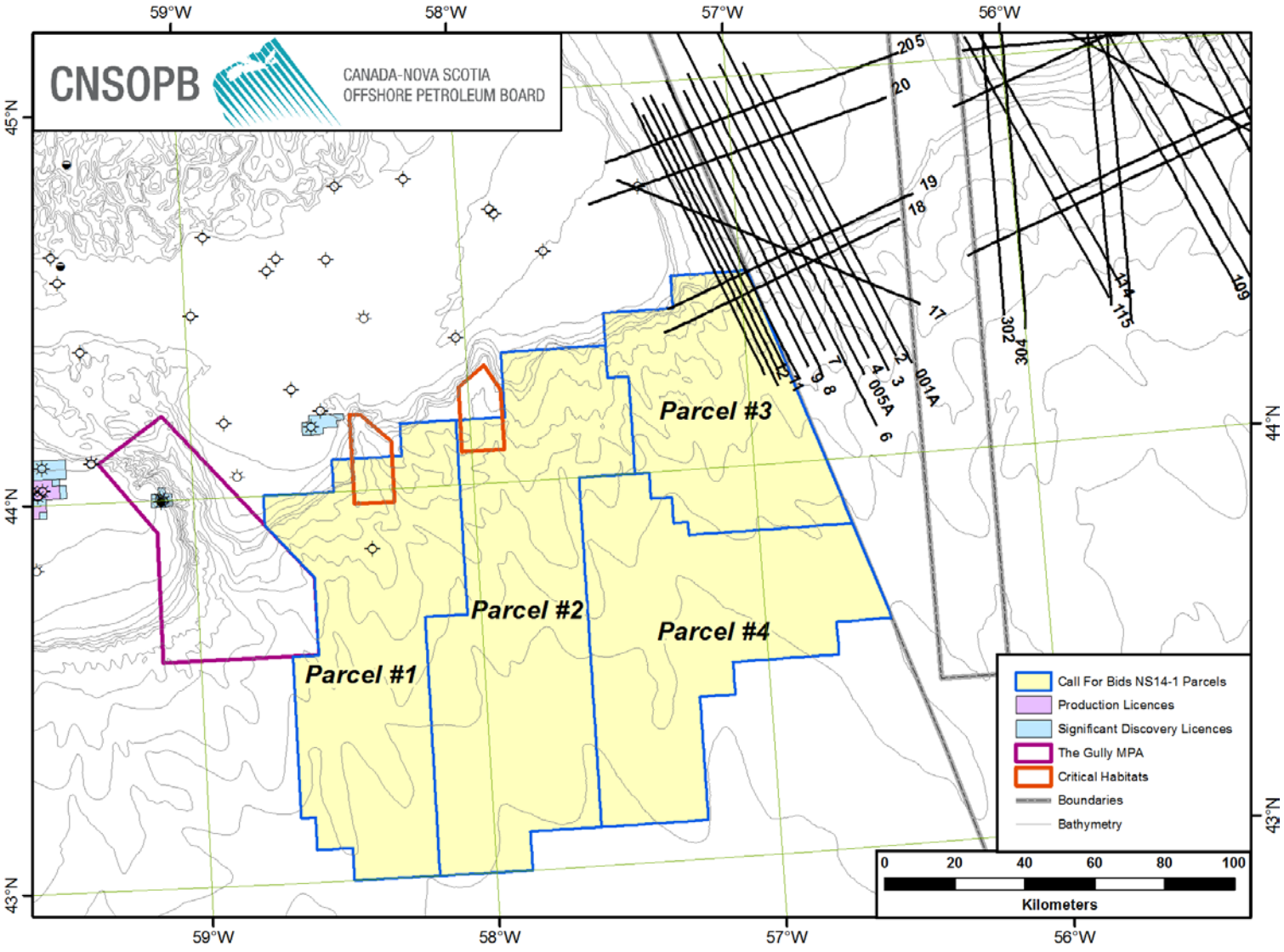


Figure 10: Location Map for 8624-D003-003E

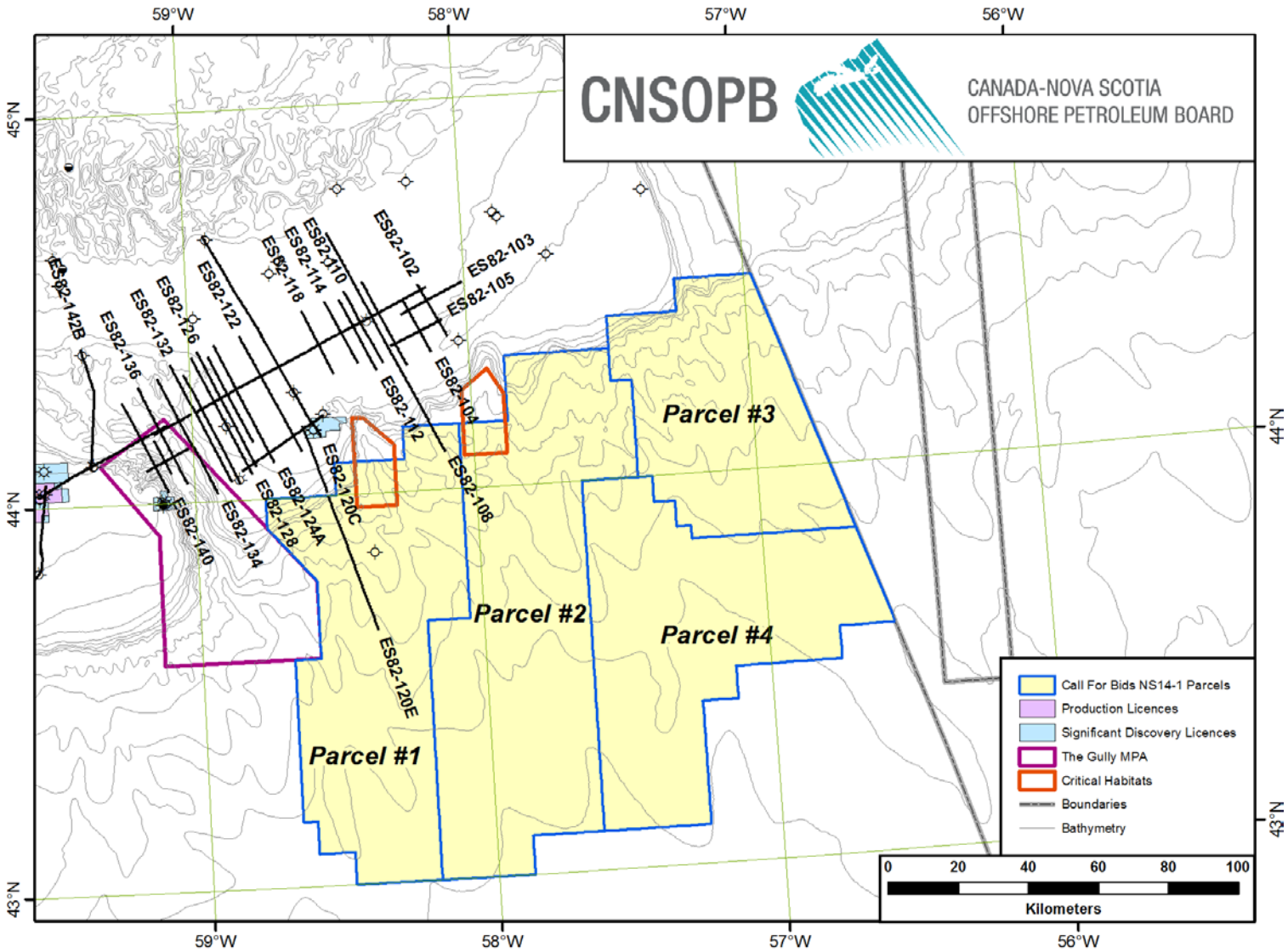


Figure 11: Location Map for NS24-E043-002E

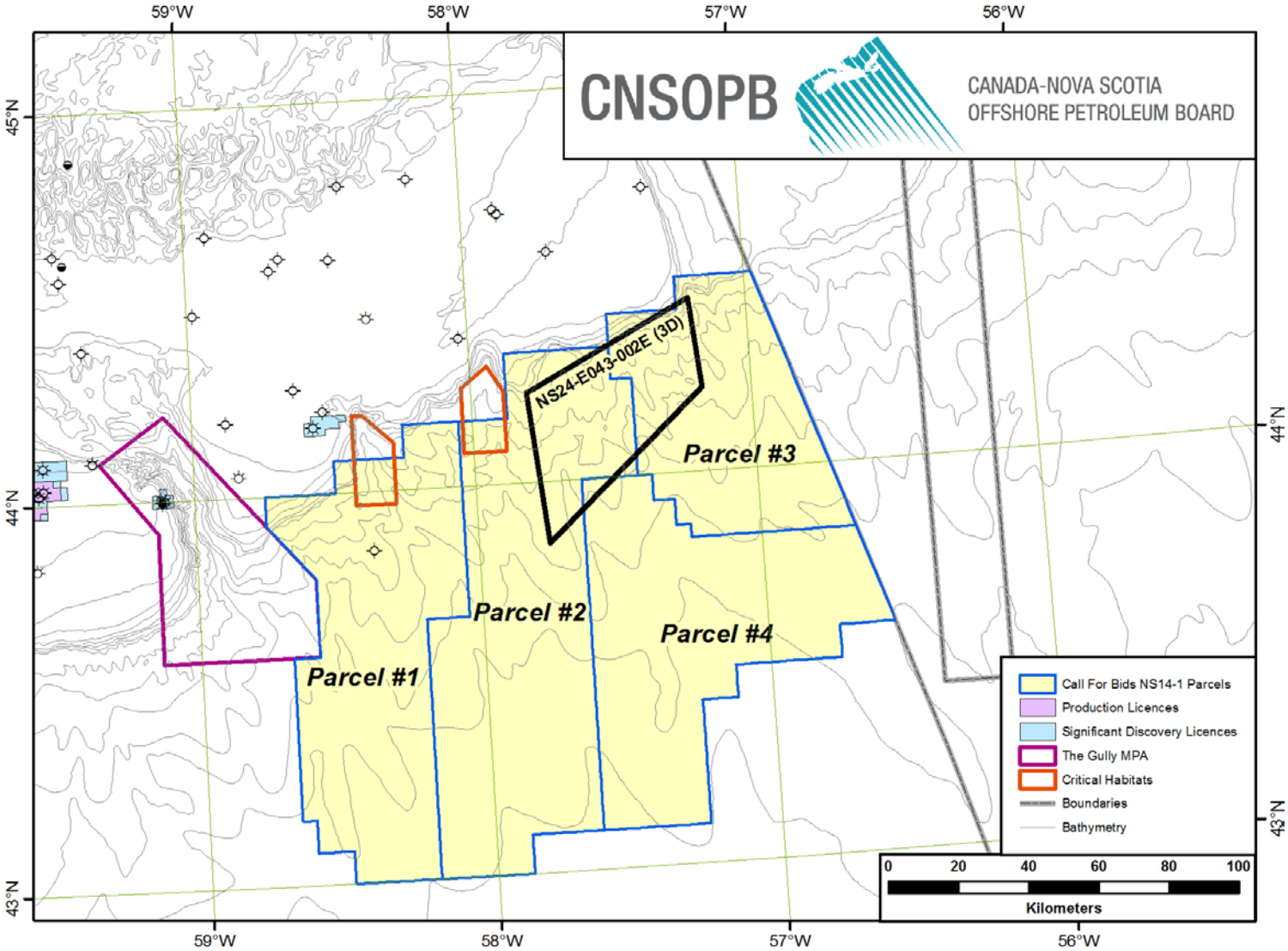


Figure 12: Location Map for NS24-G005-002P

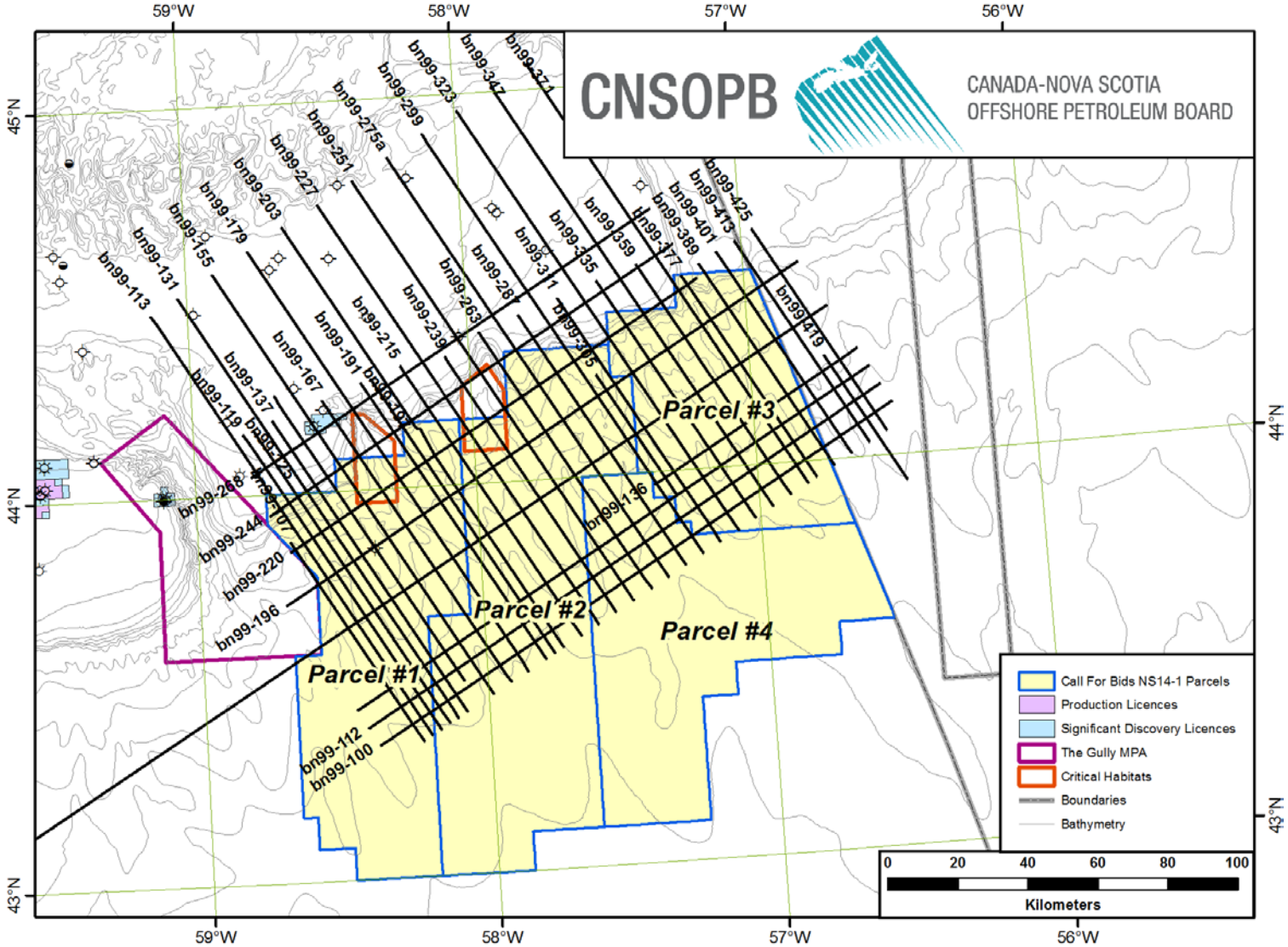


Figure 13: Location Map for NS24-G005-003P

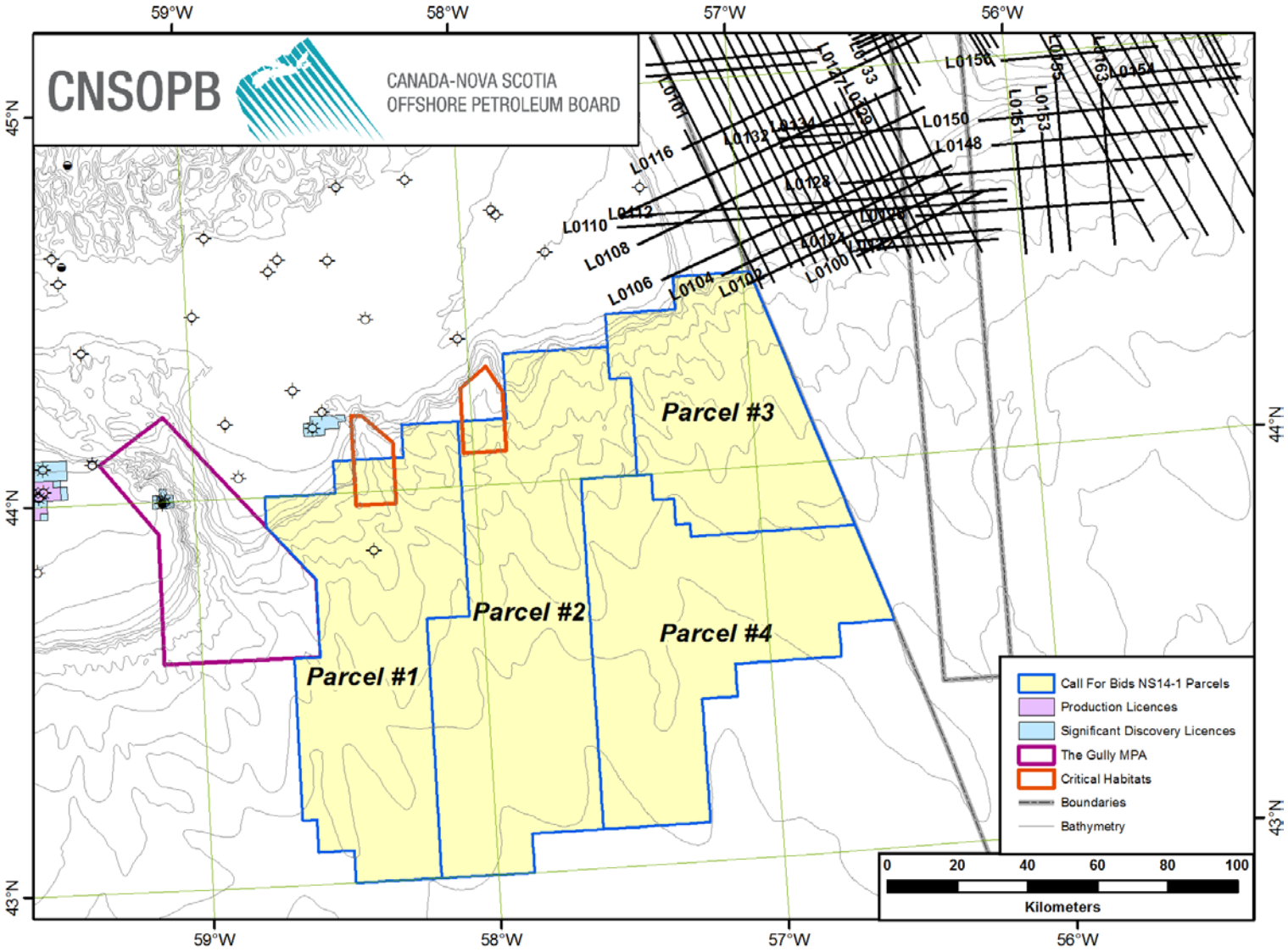


Figure 14: Location Map for 8620-G005-004P

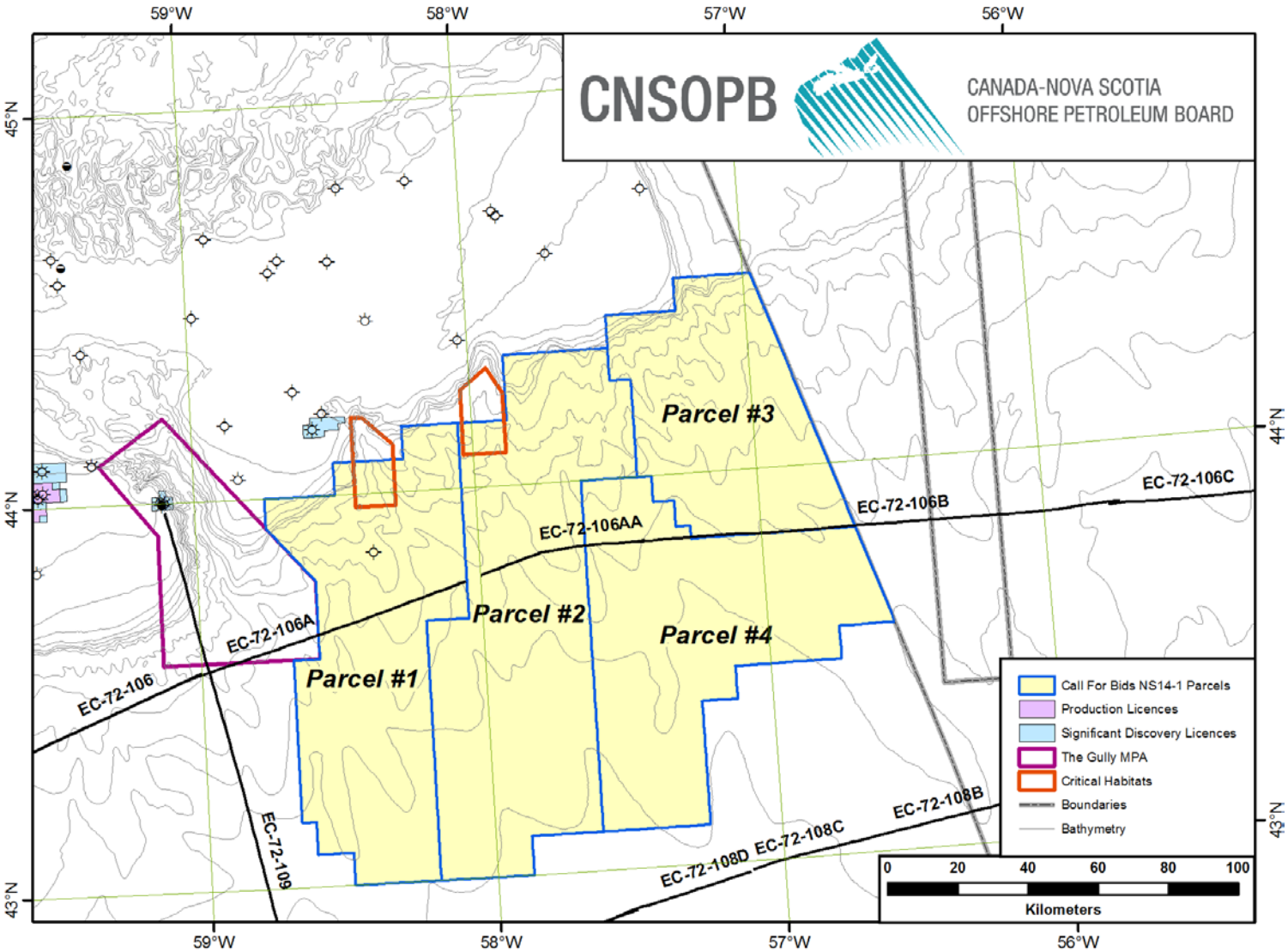


Figure 15: Location Map for NS24-G026-001P, G065-001P

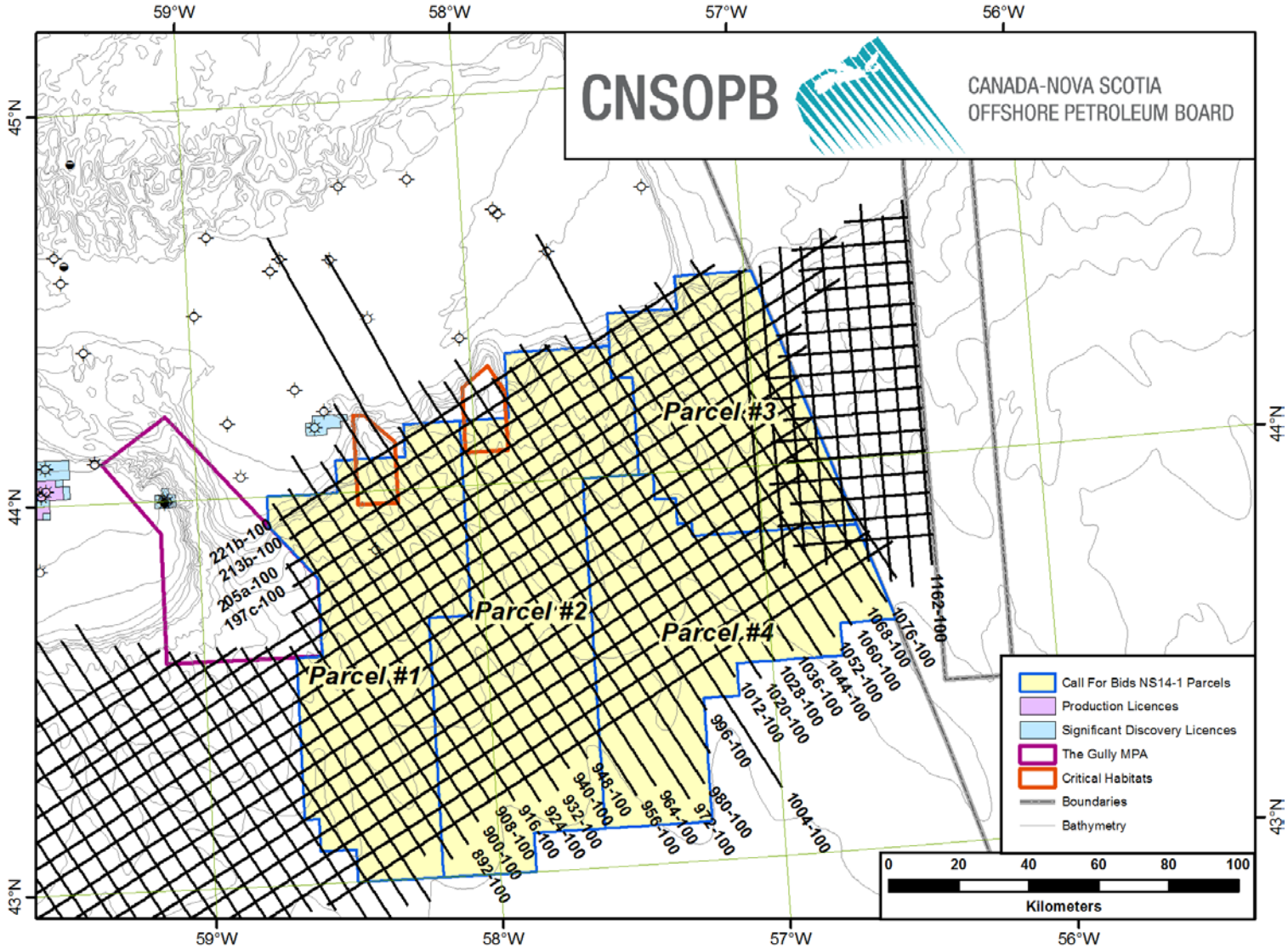


Figure 16: Location Map for NS24-G075-003P

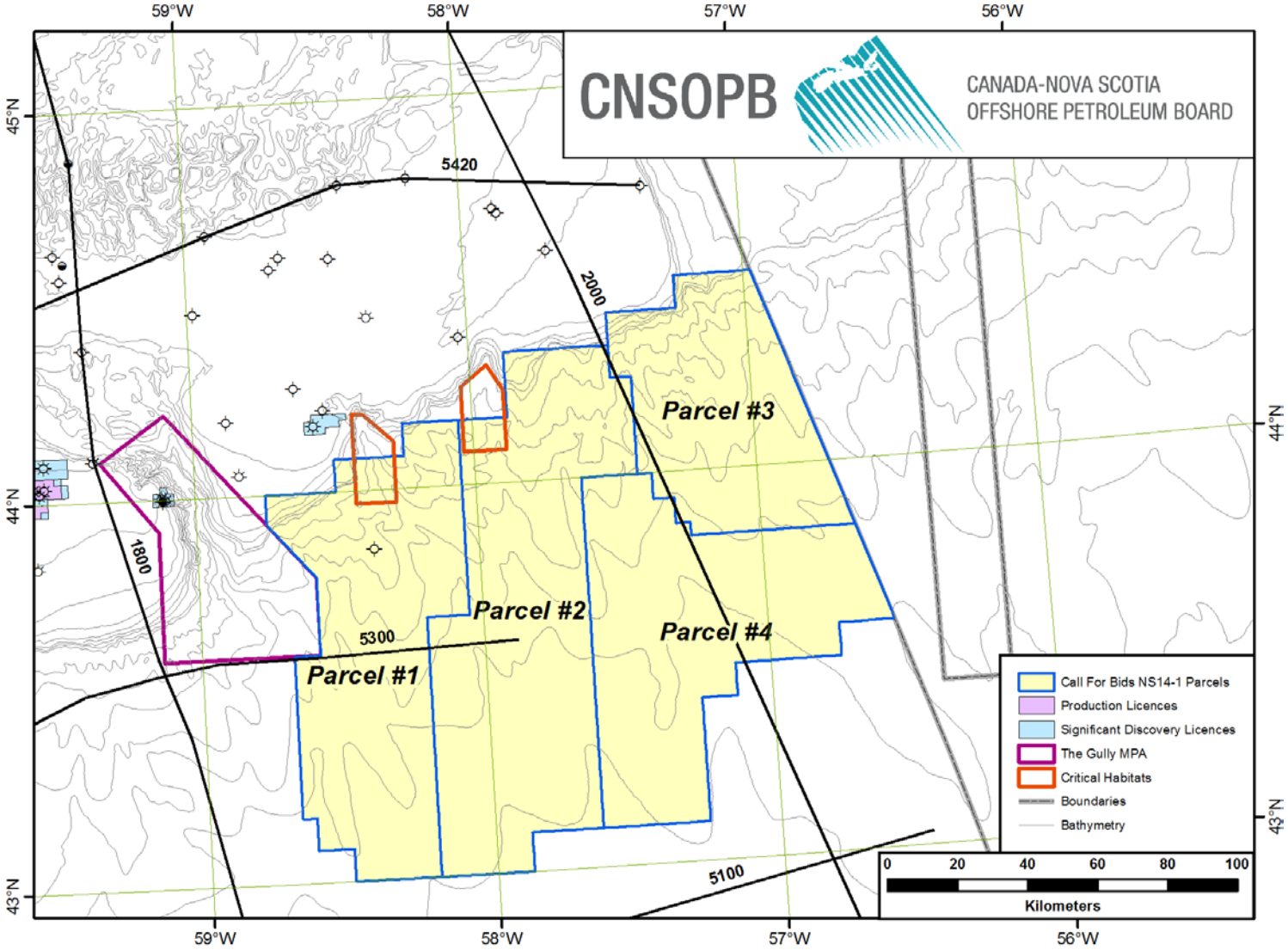


Figure 17: Location Map for 8620-J001-001E

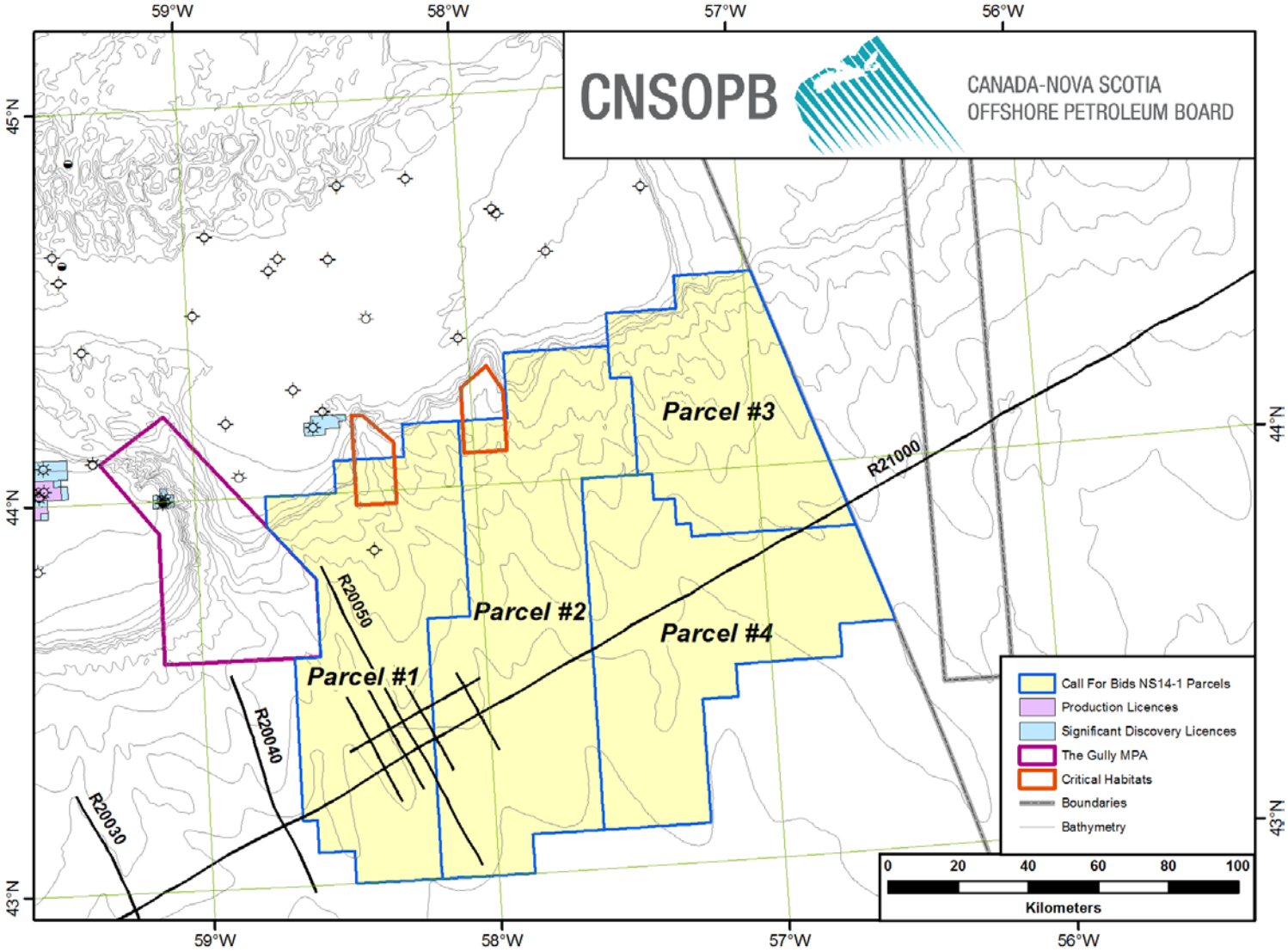


Figure 18: Location Map for 8620-J001-002E

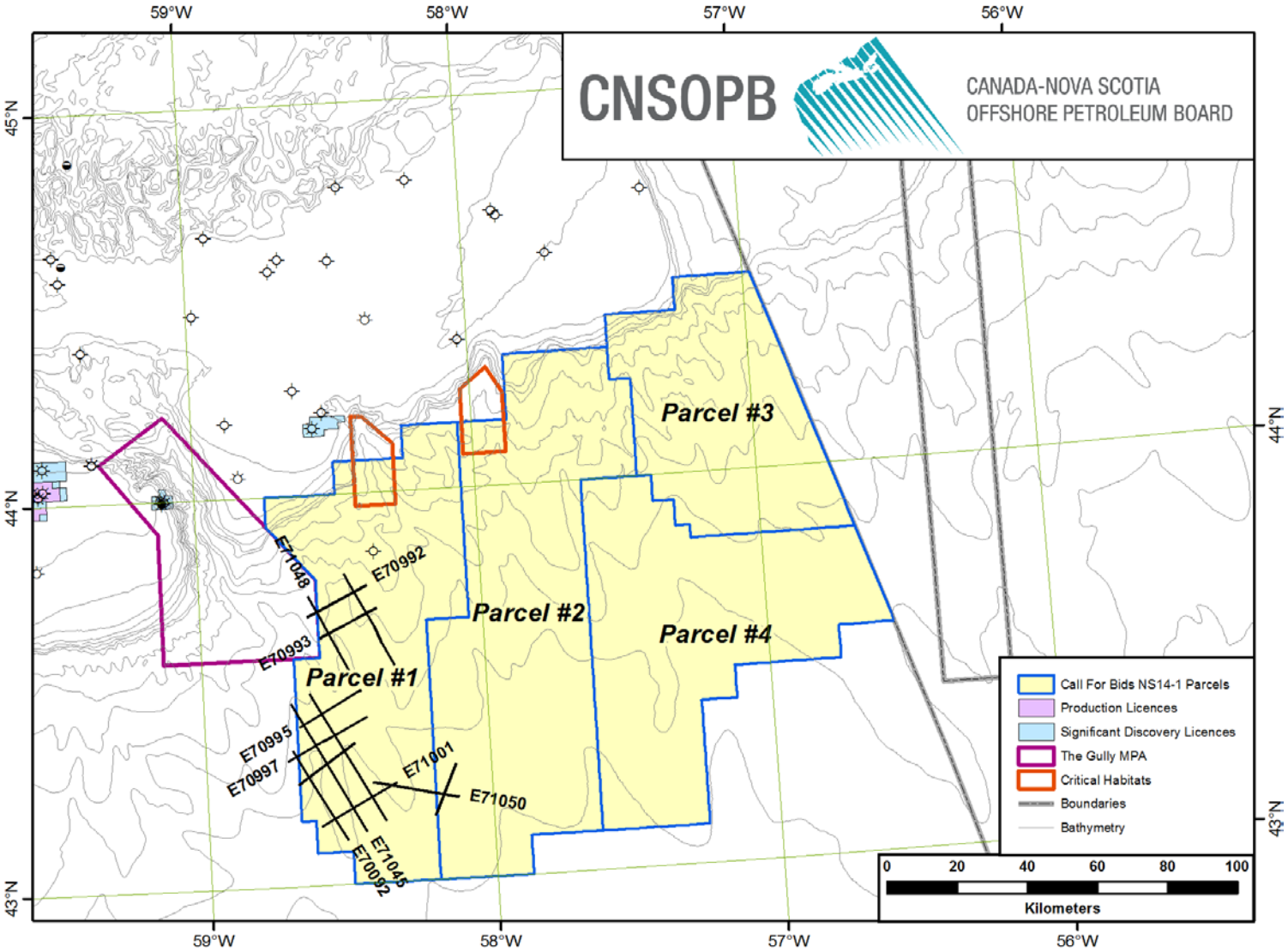


Figure 19: Location Map for 8620-J008-007E

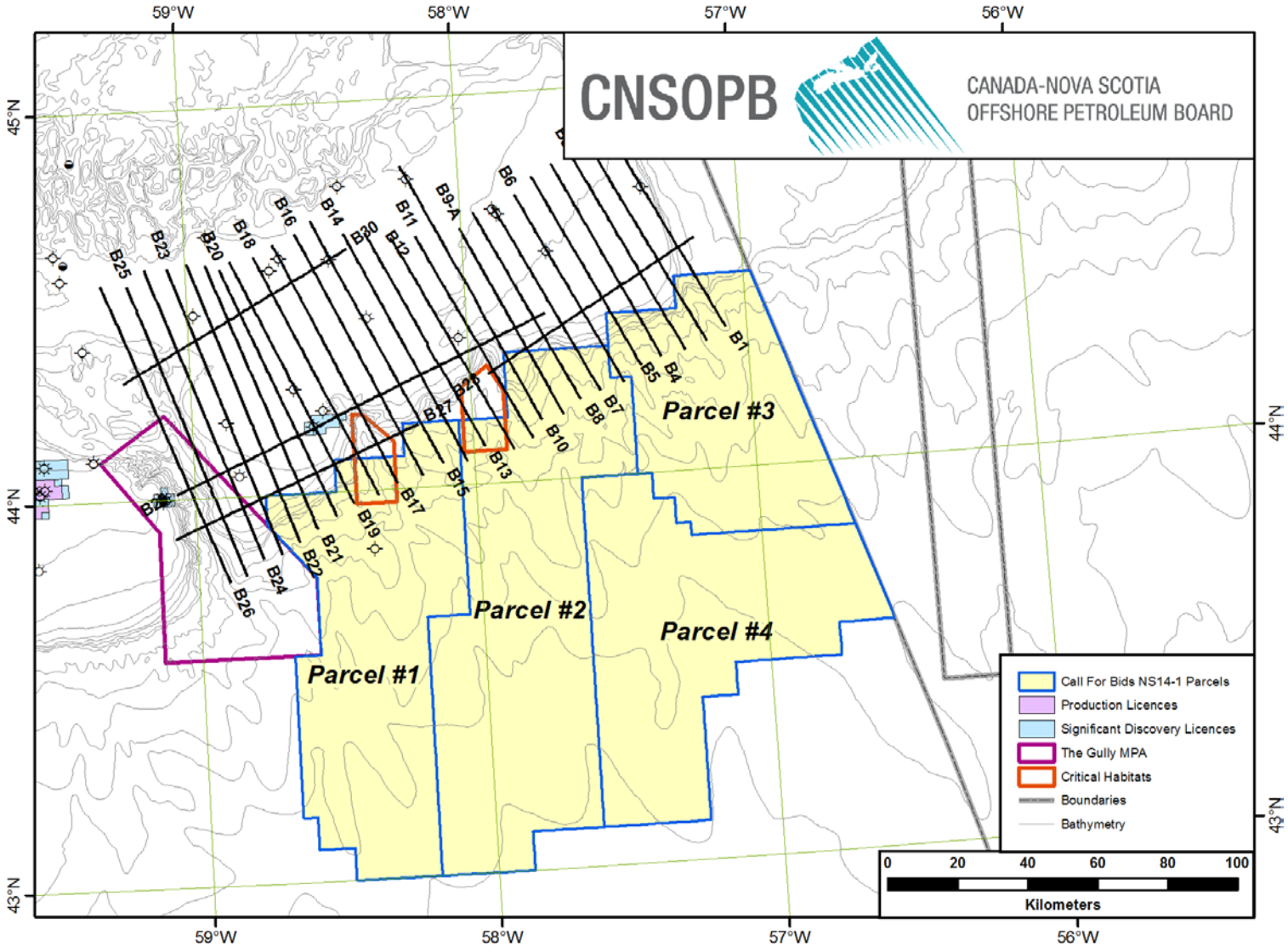


Figure 20: Location Map for NS24-J014-001P

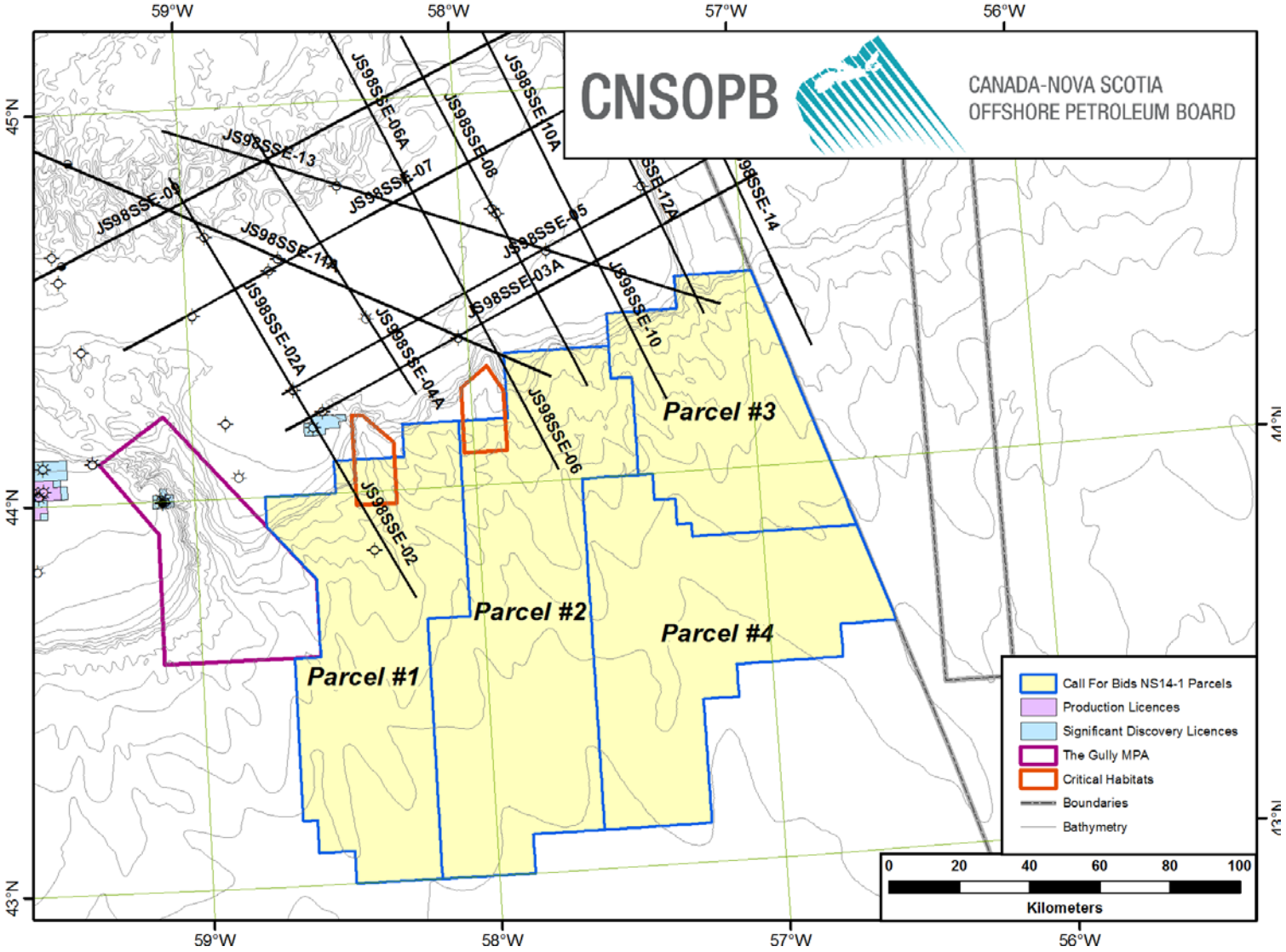


Figure 21: Location Map for 8624-M003-002E

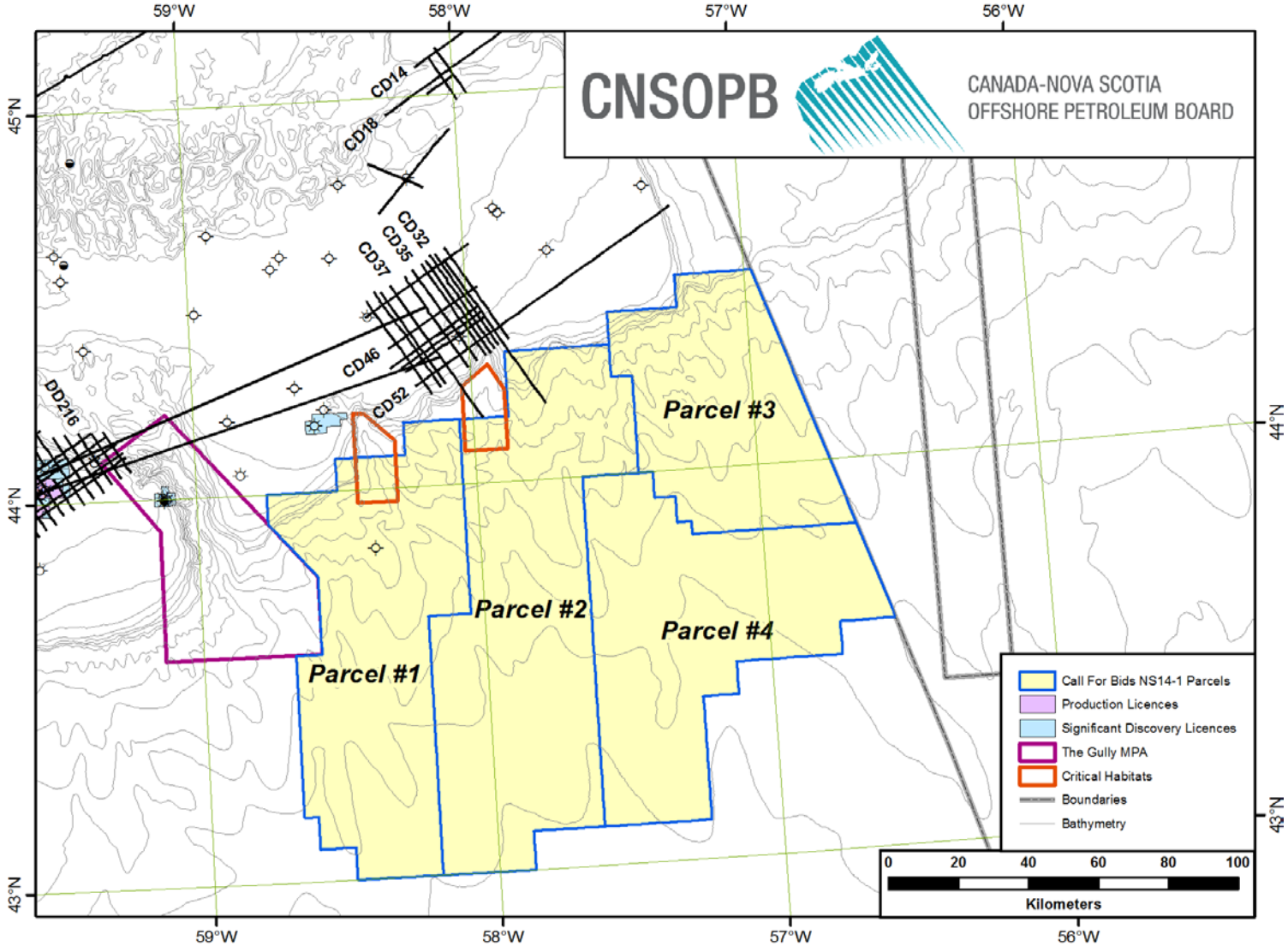


Figure 22: Location Map for 8620-M003-007E

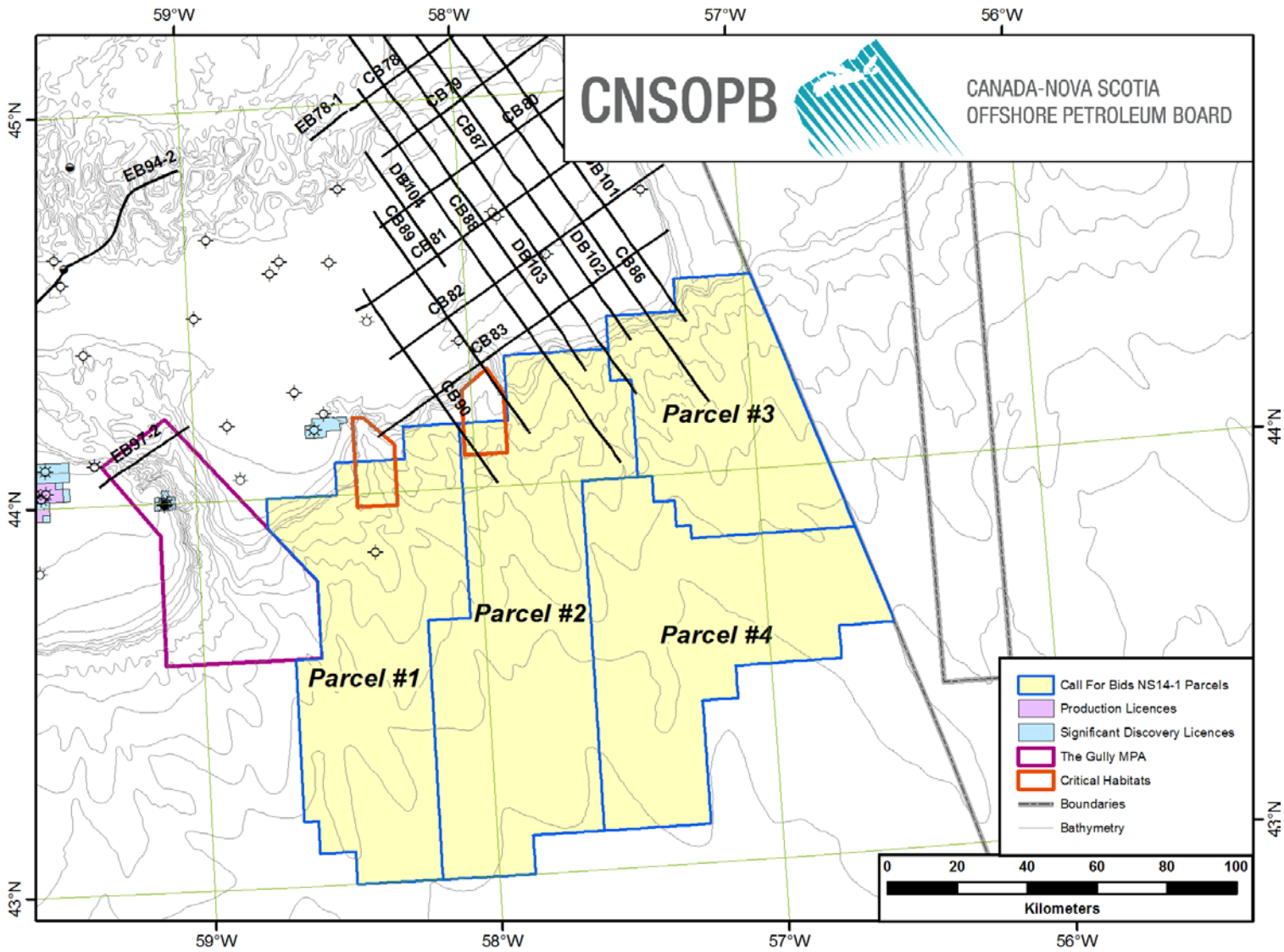


Figure 23: Location Map for 8620-M003-009E

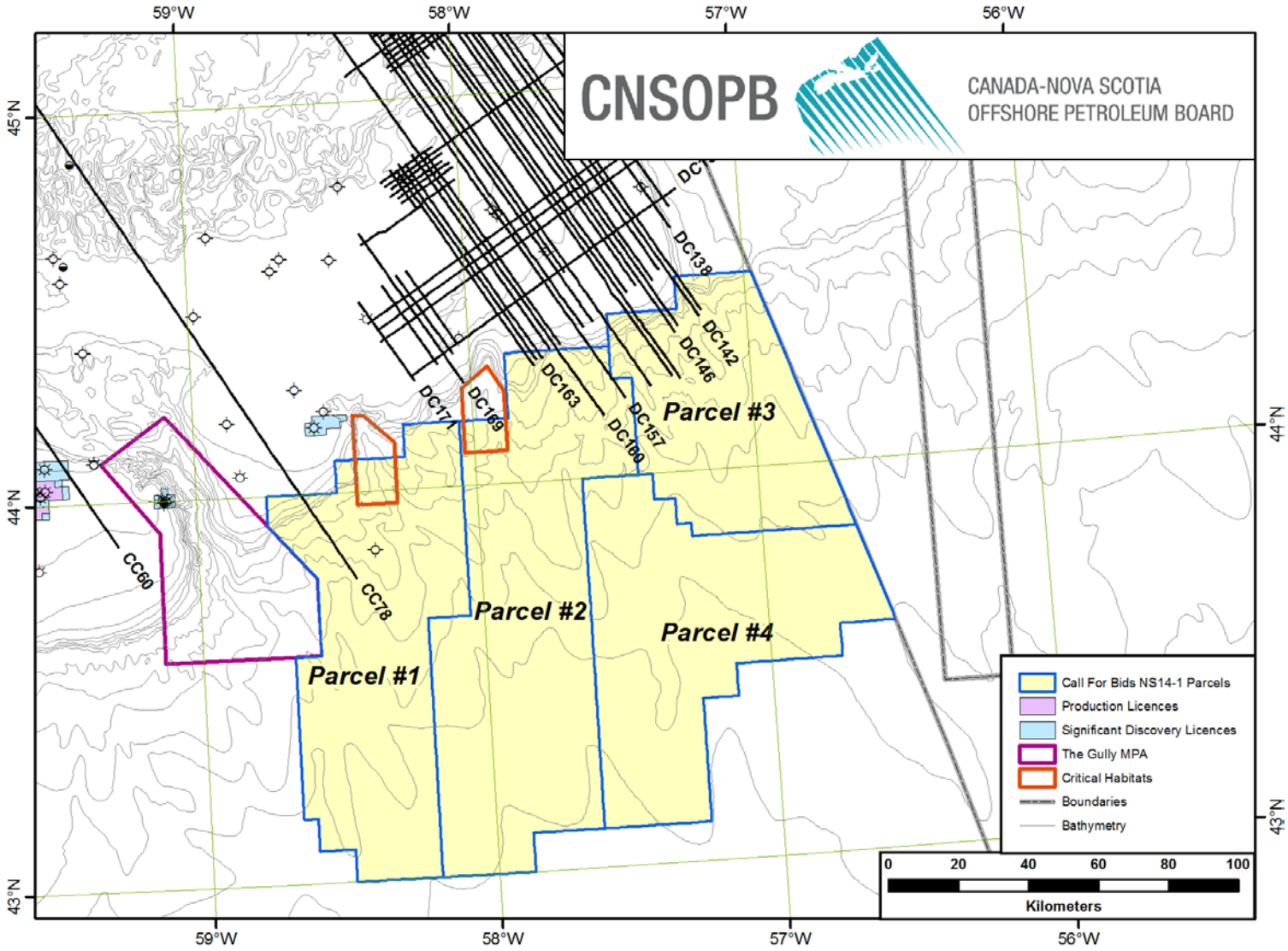


Figure 24: Location Map for 8624-M003-014E

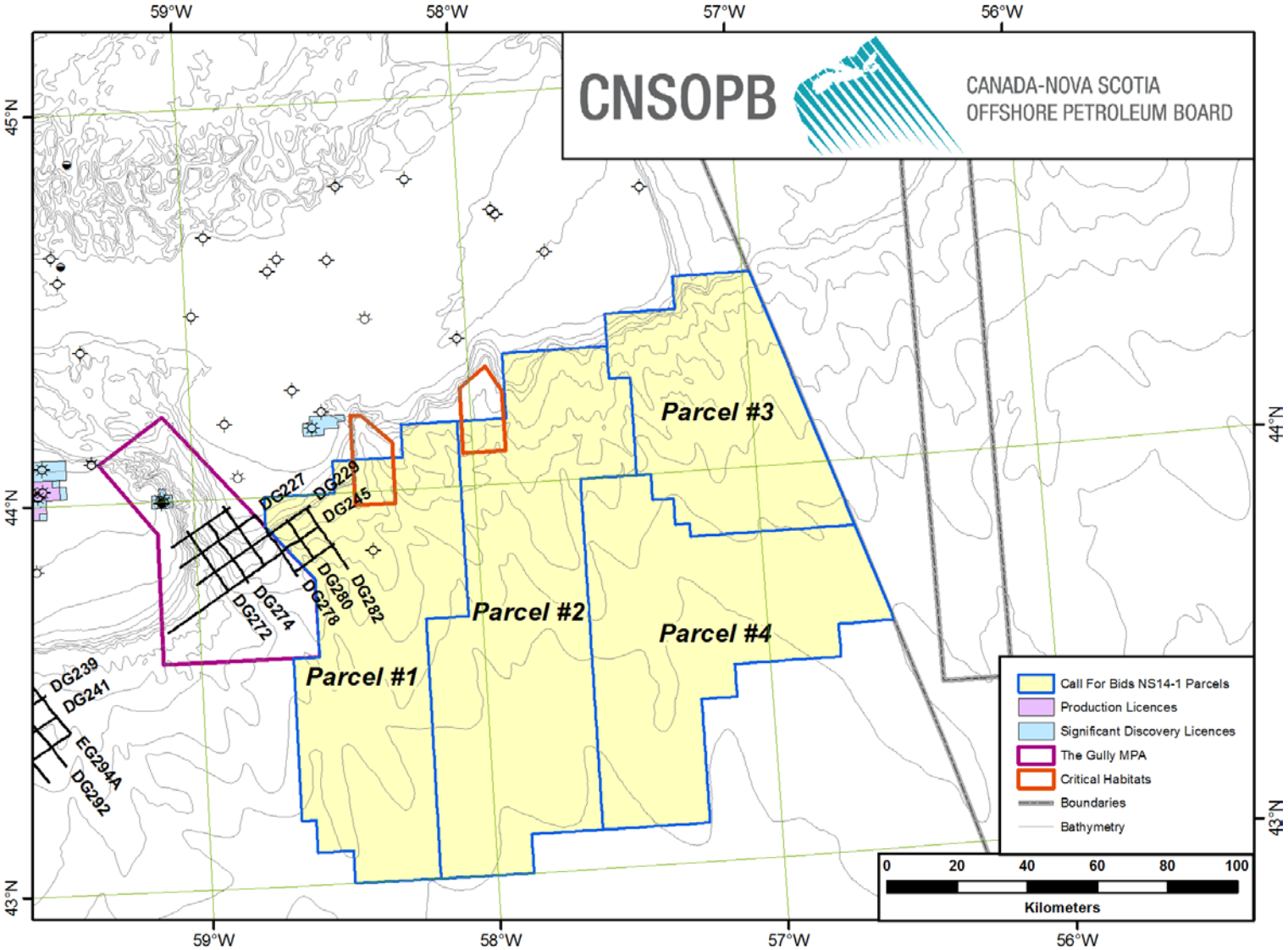


Figure 25: Location Map for 8624-M003-041E

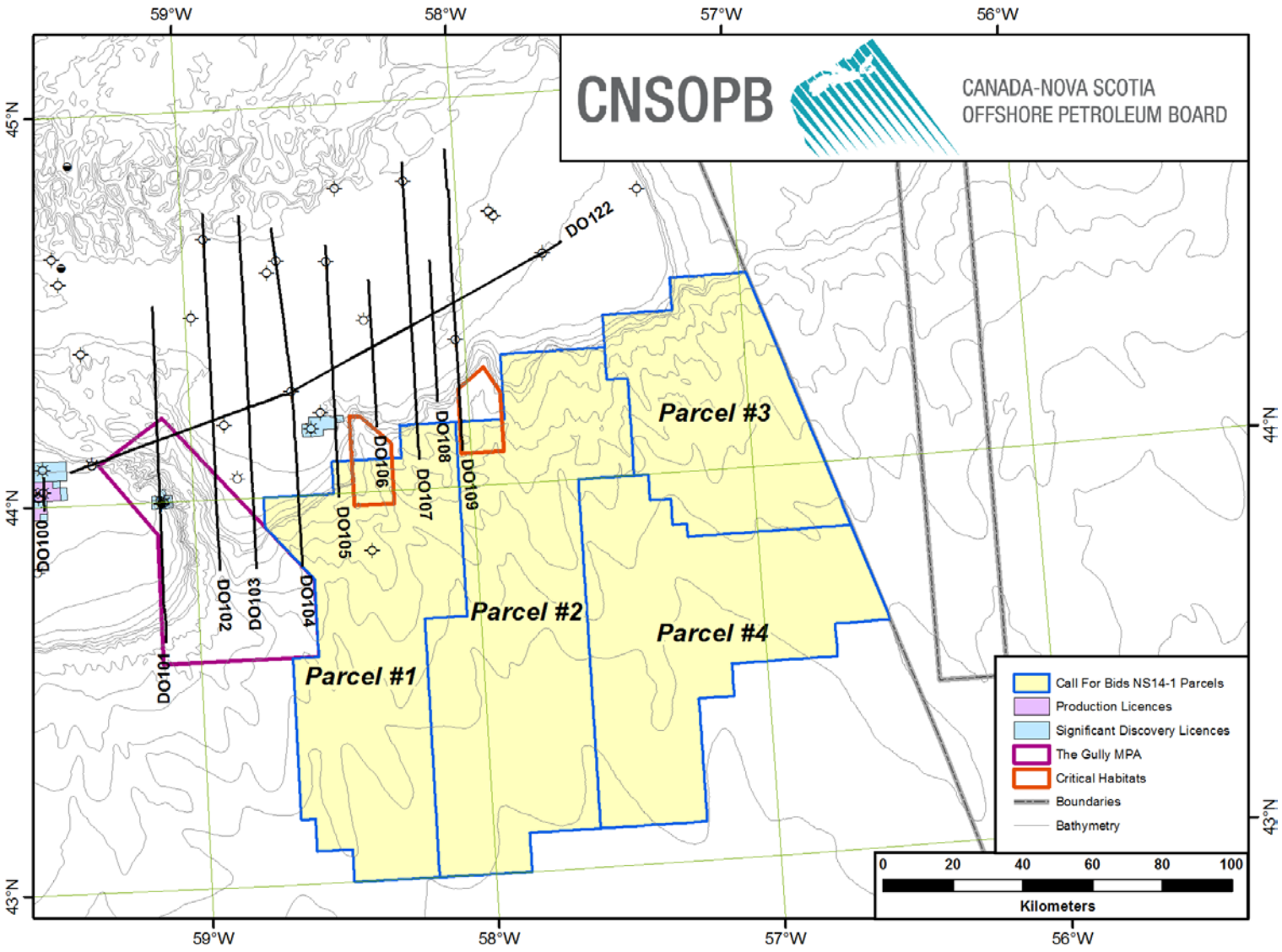


Figure 26: Location Map for 8624-N005-002E

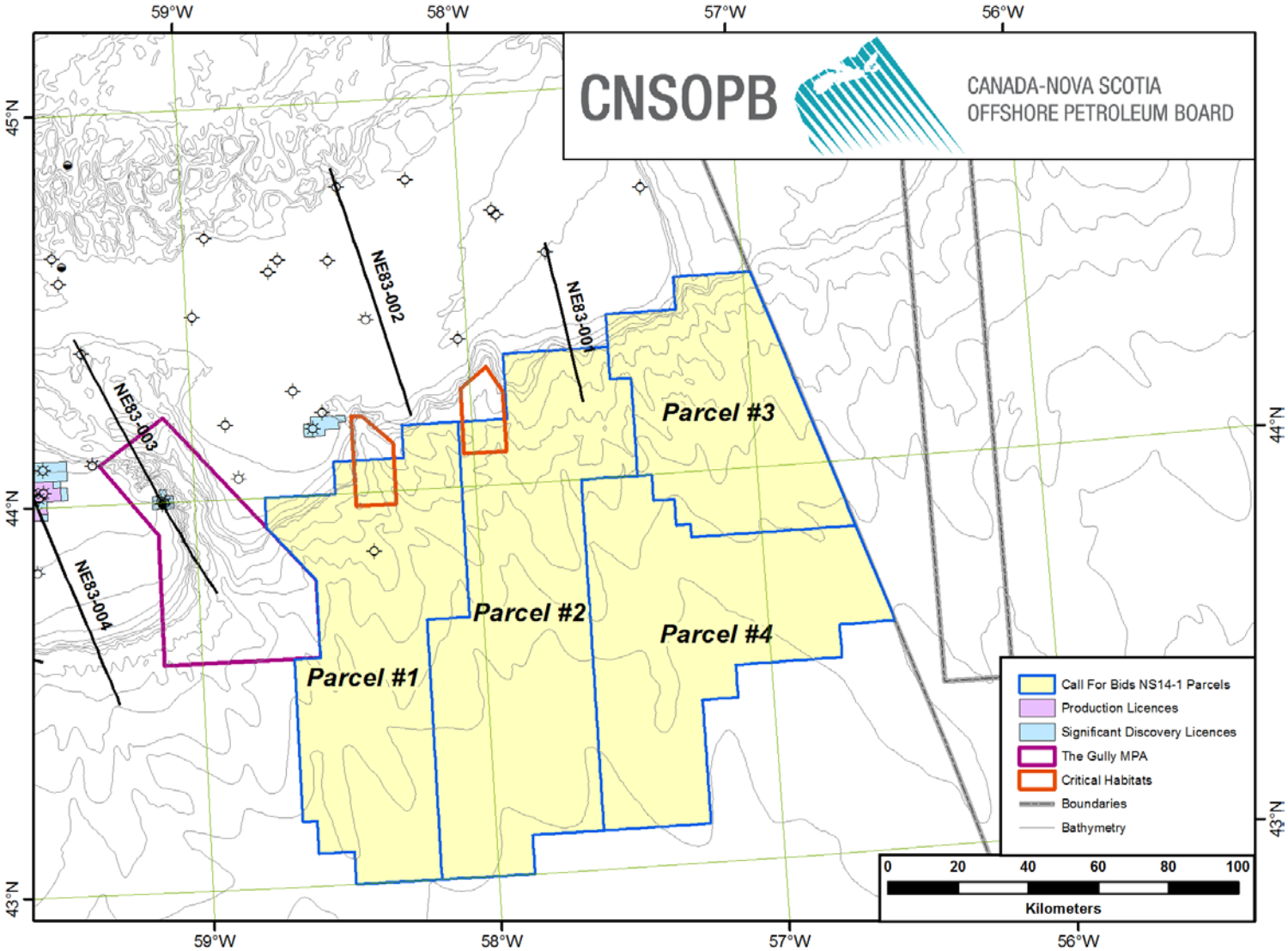


Figure 27: Location Map for 8624-P028-015E

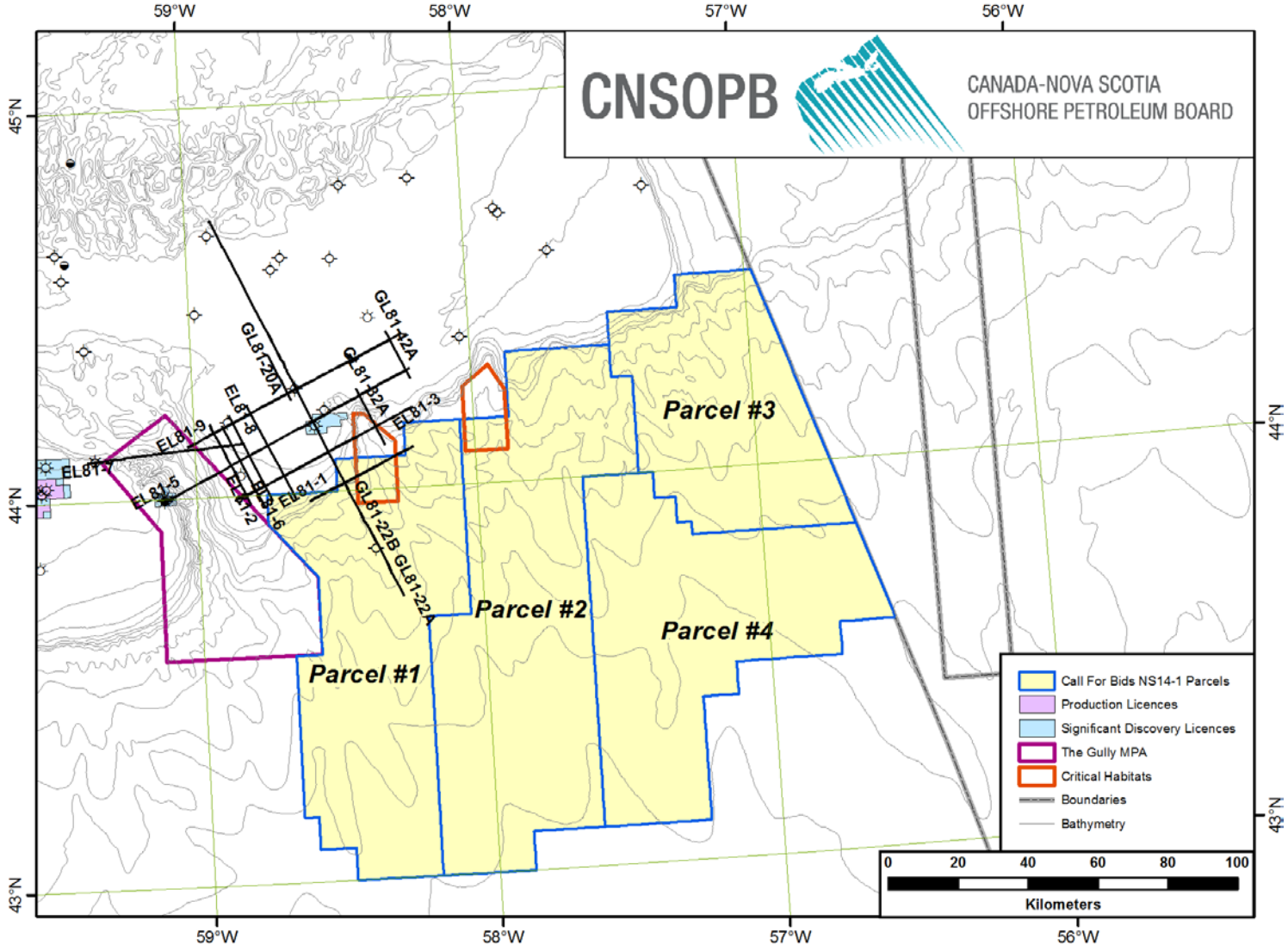


Figure 28: Location Map for 8624-P028-028E

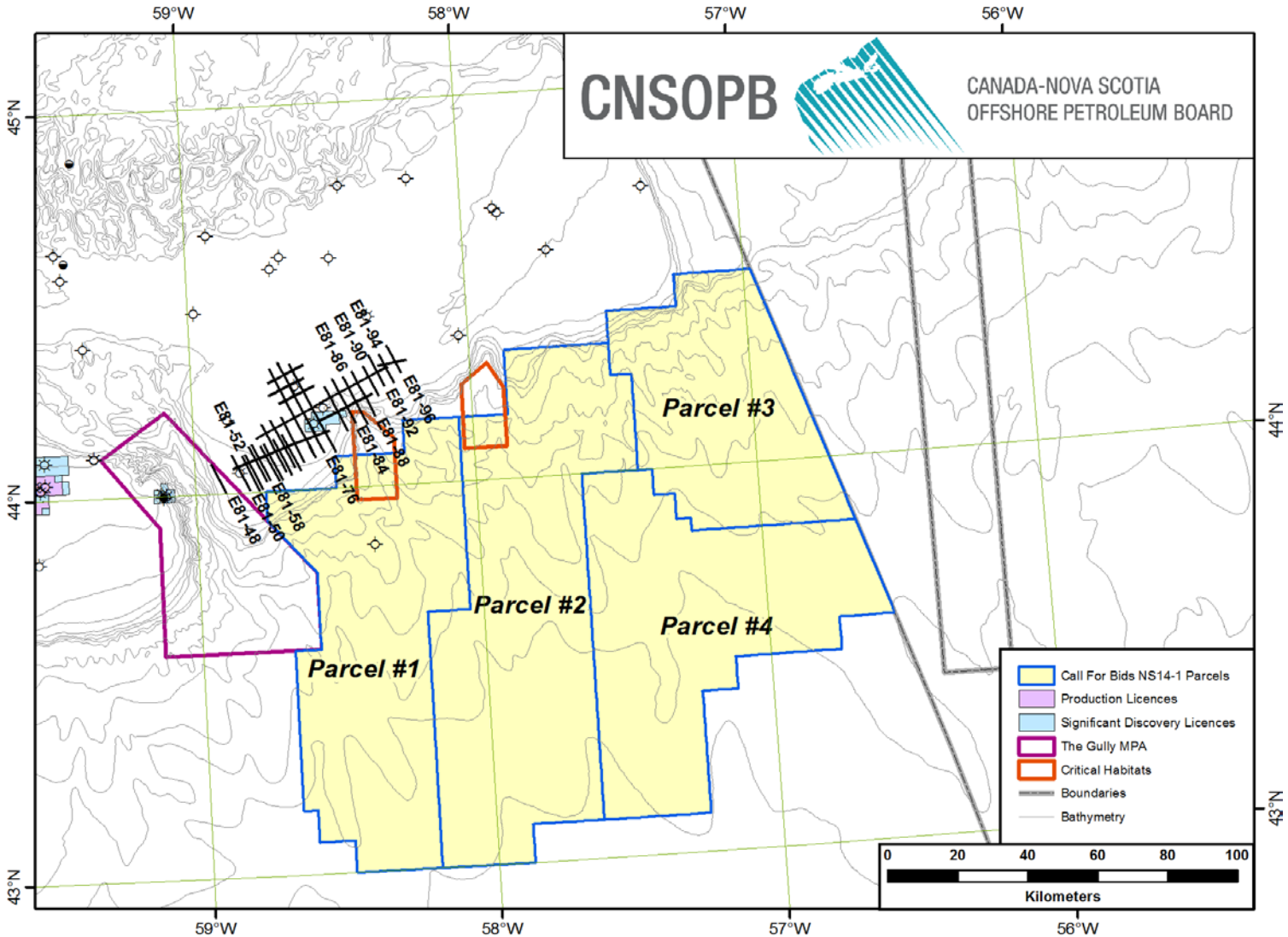


Figure 29: Location Map for 8624-P028-029E

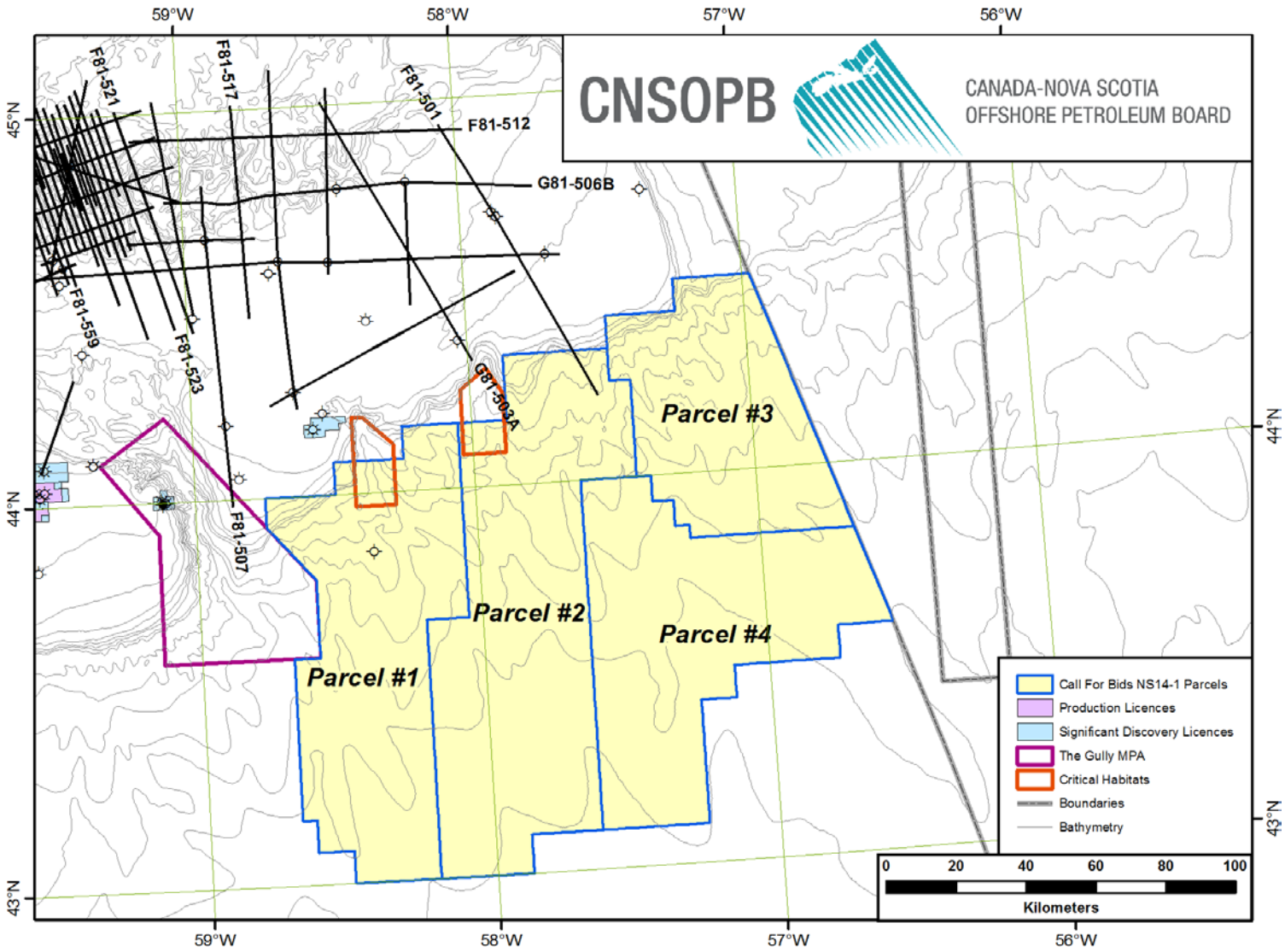


Figure 30: Location Map for 8624-P028-036E

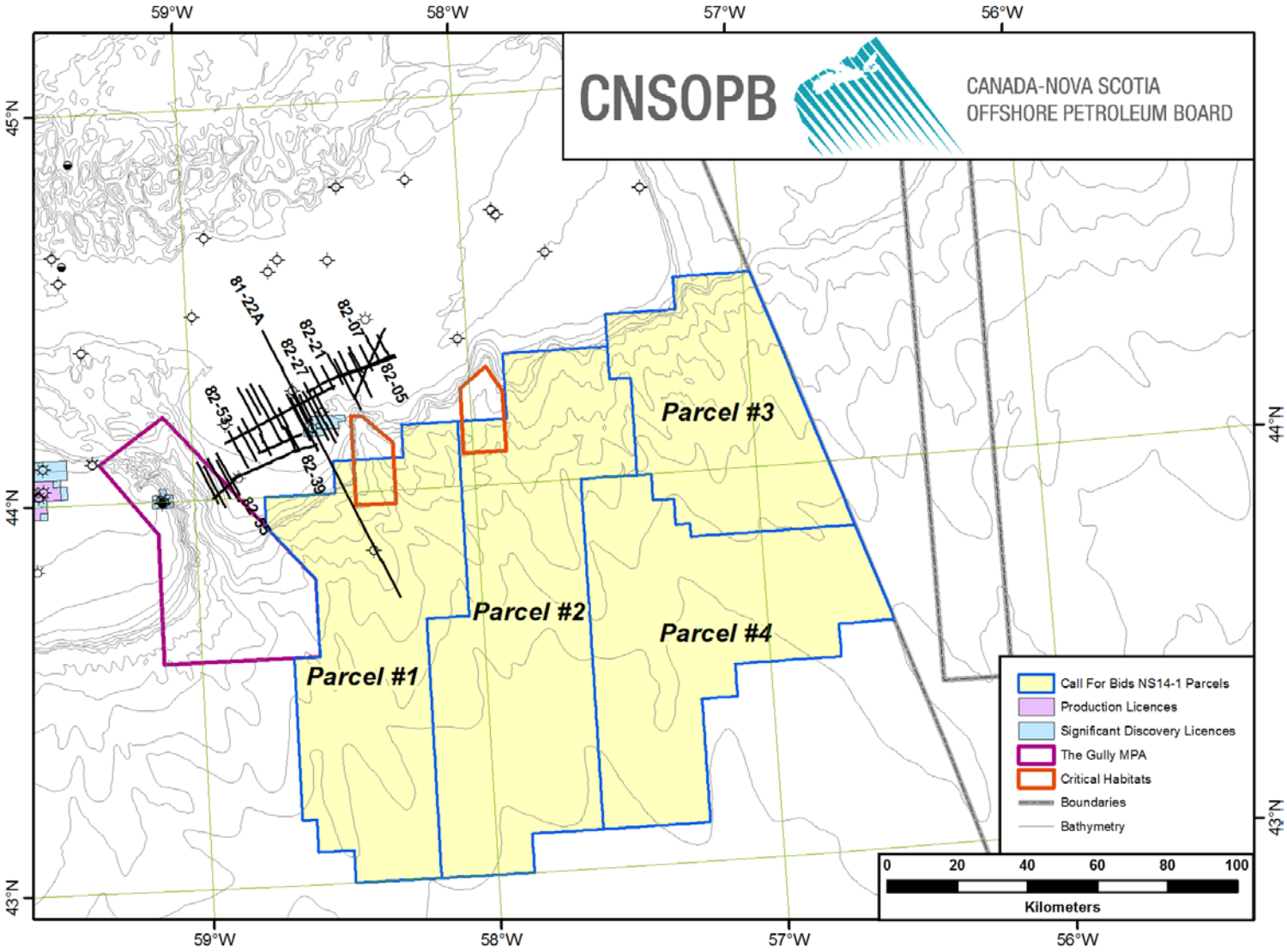


Figure 31: Location Map for 8624-P028-046E

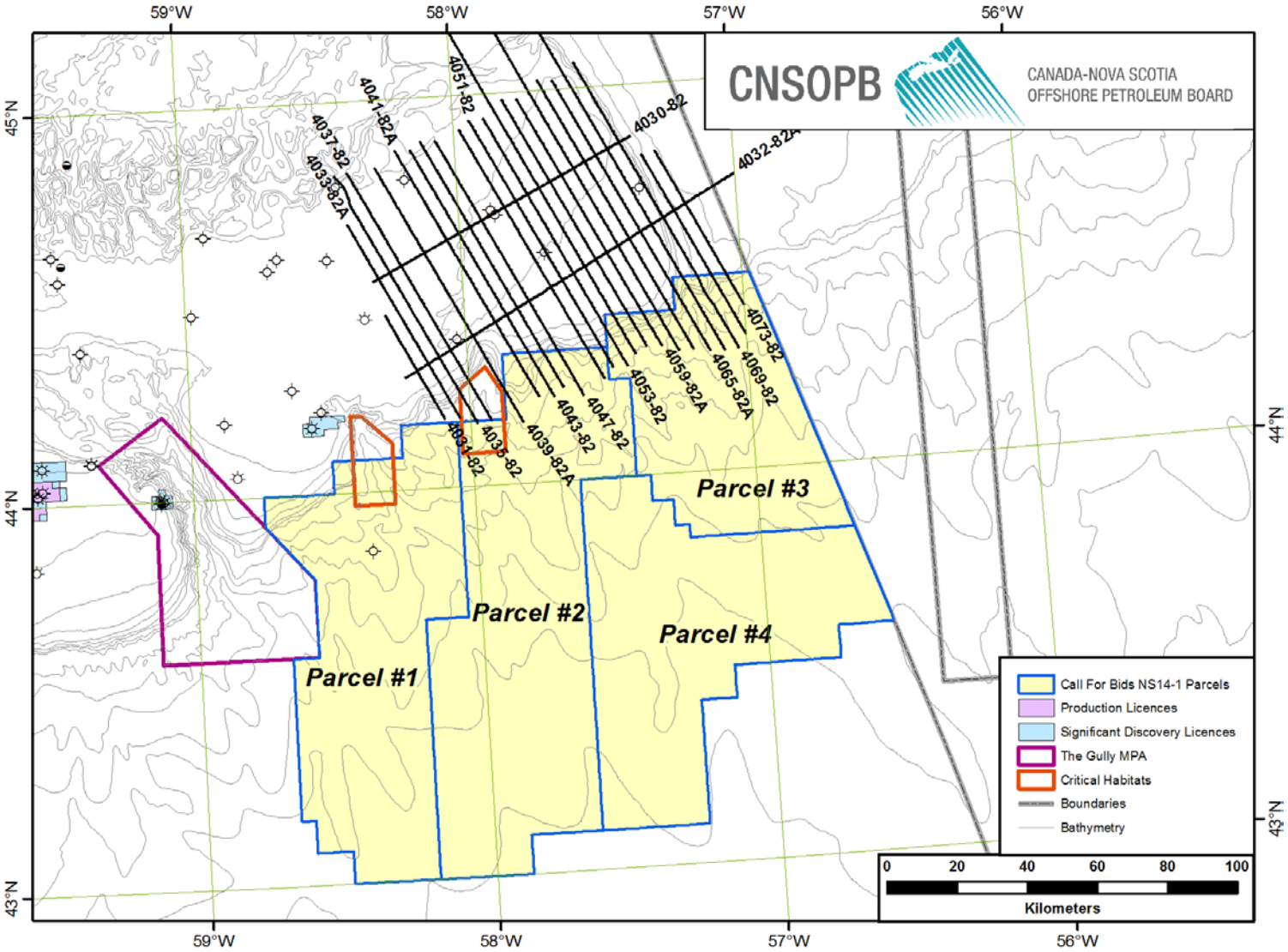


Figure 32: Location Map for 8620-S006-009E

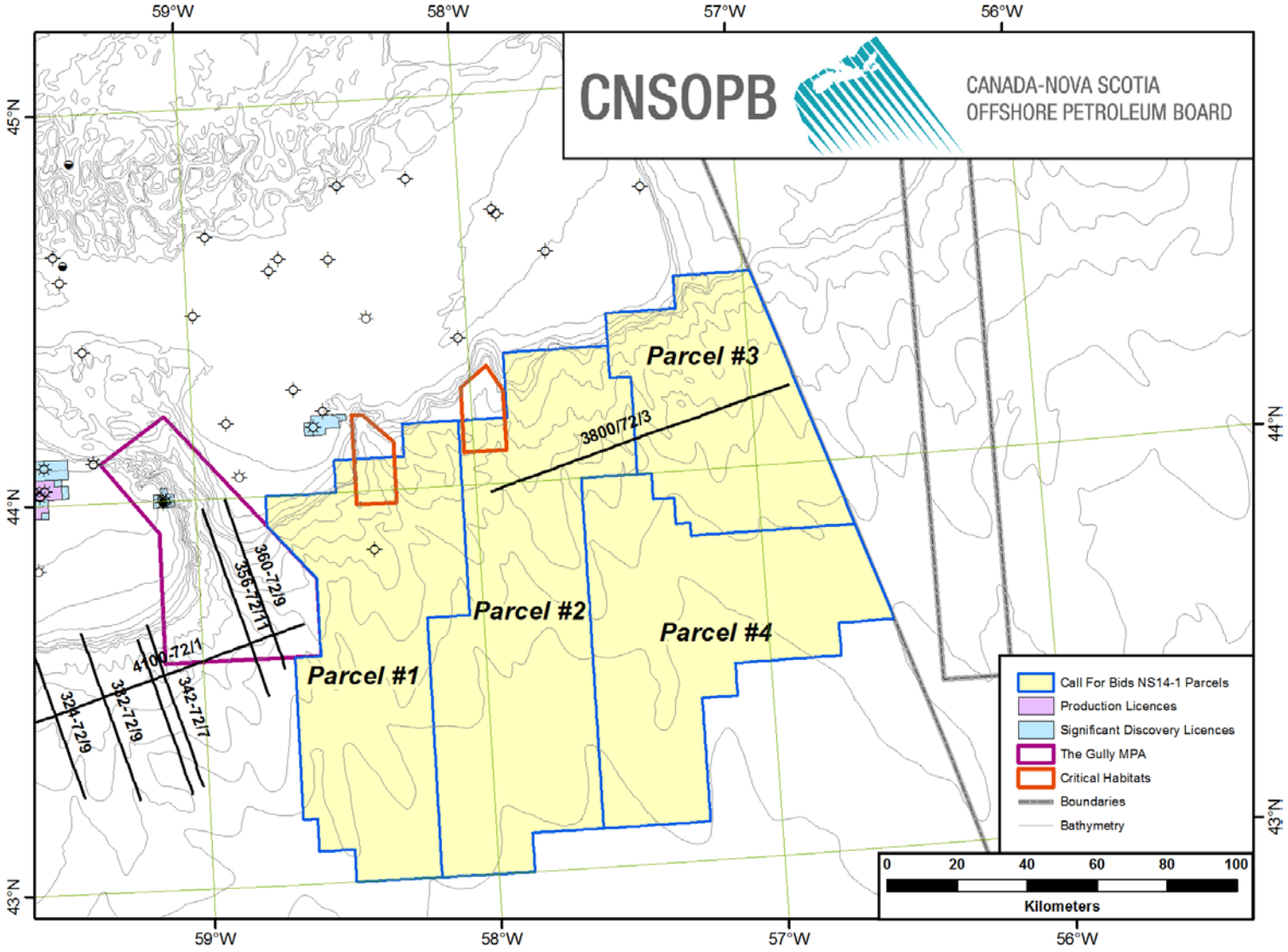


Figure 33: Location Map for 8624-S006-012E

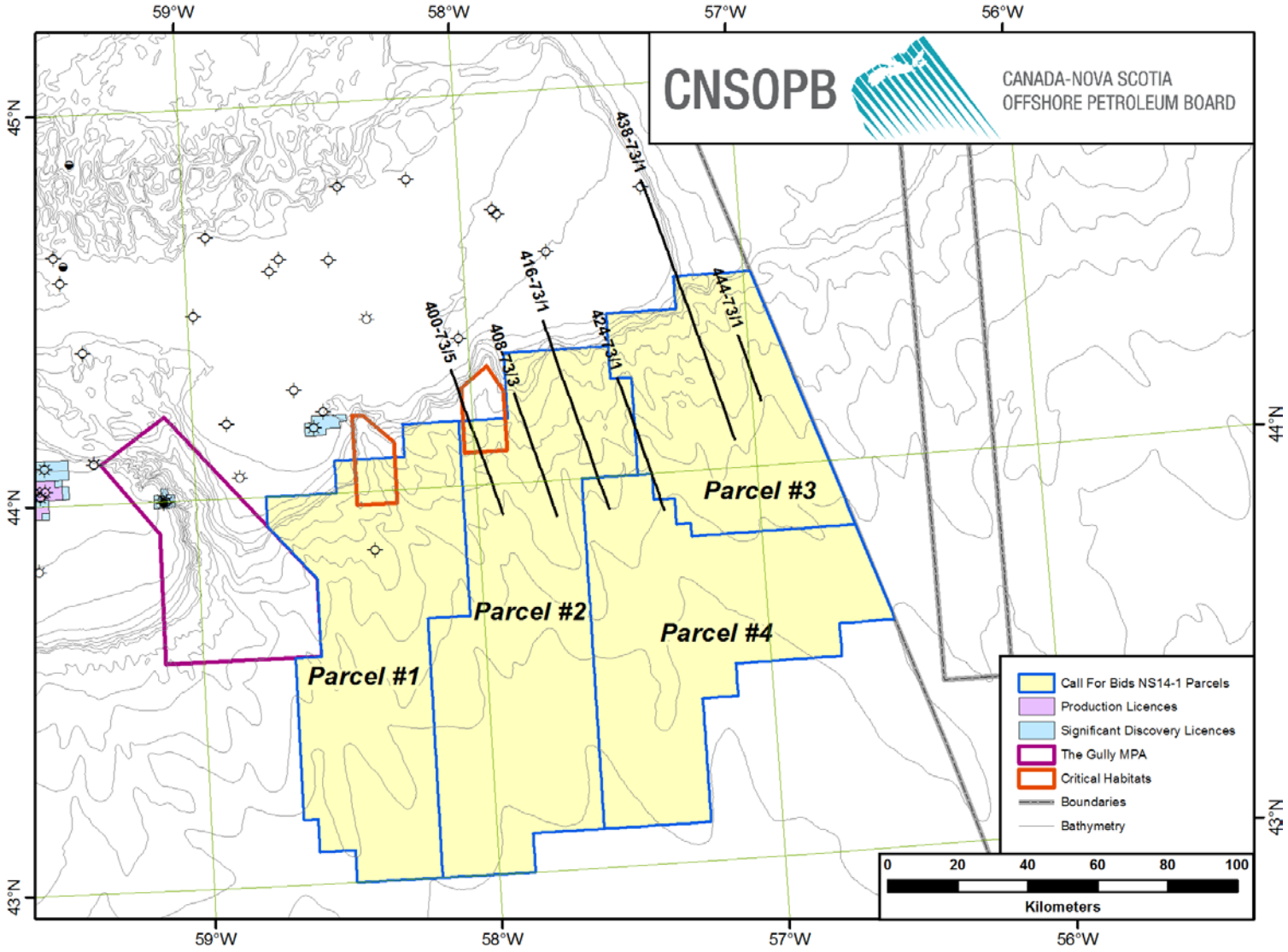


Figure 34: Location Map for 8624-S006-023E

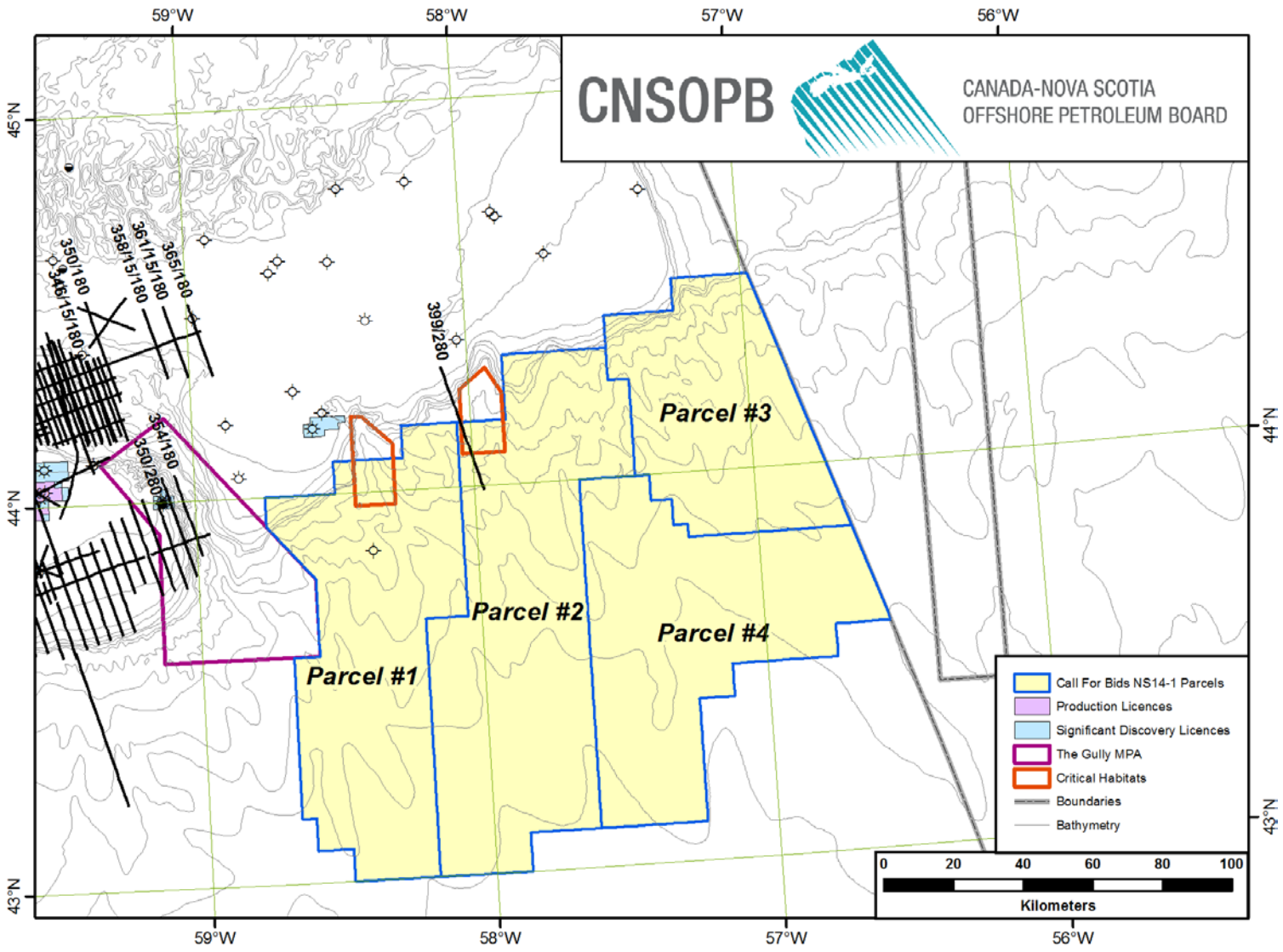


Figure 35: Location Map for 8624-S006-027E

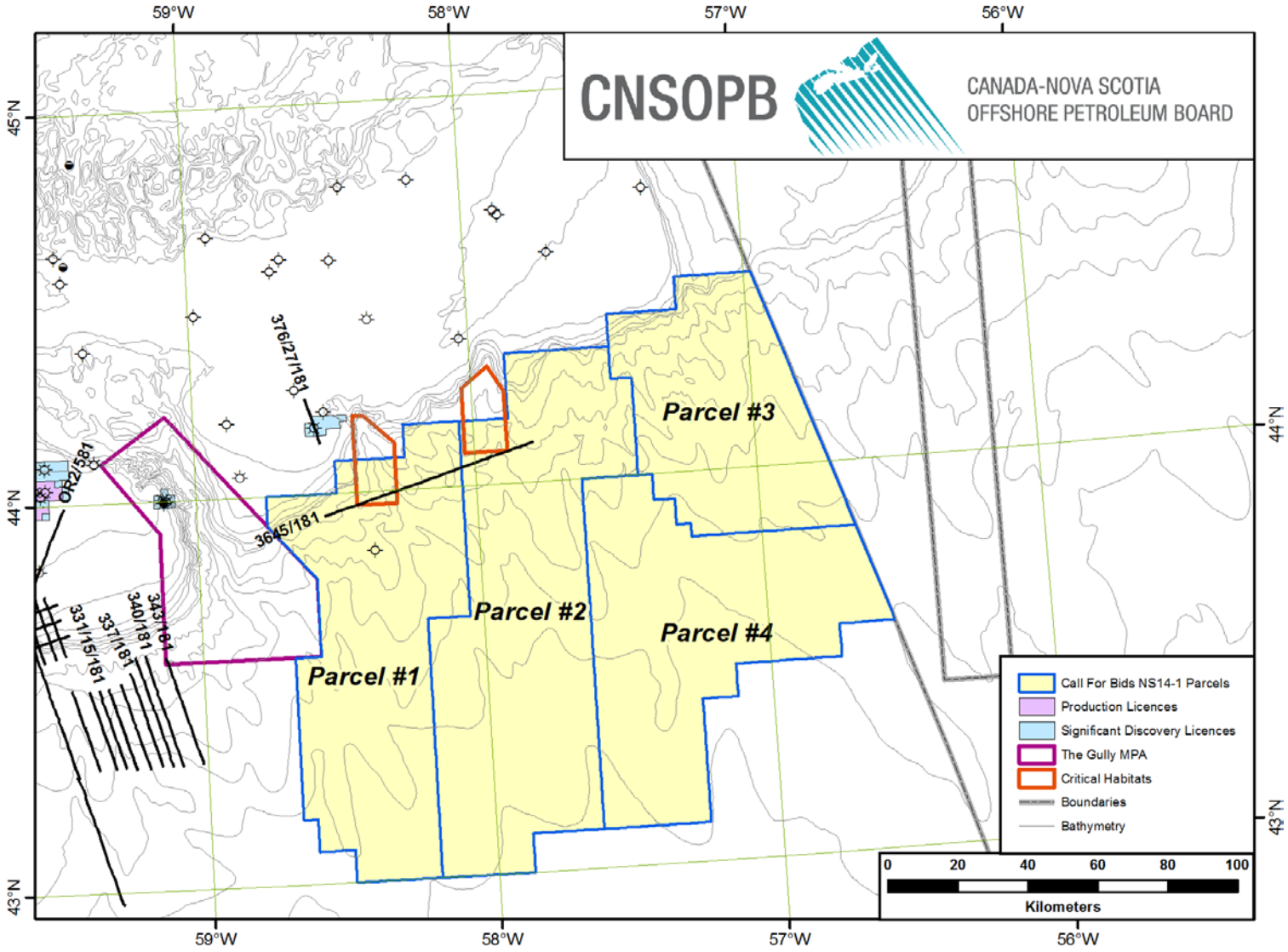


Figure 36: Location Map for 8624-S006-028E, 031E

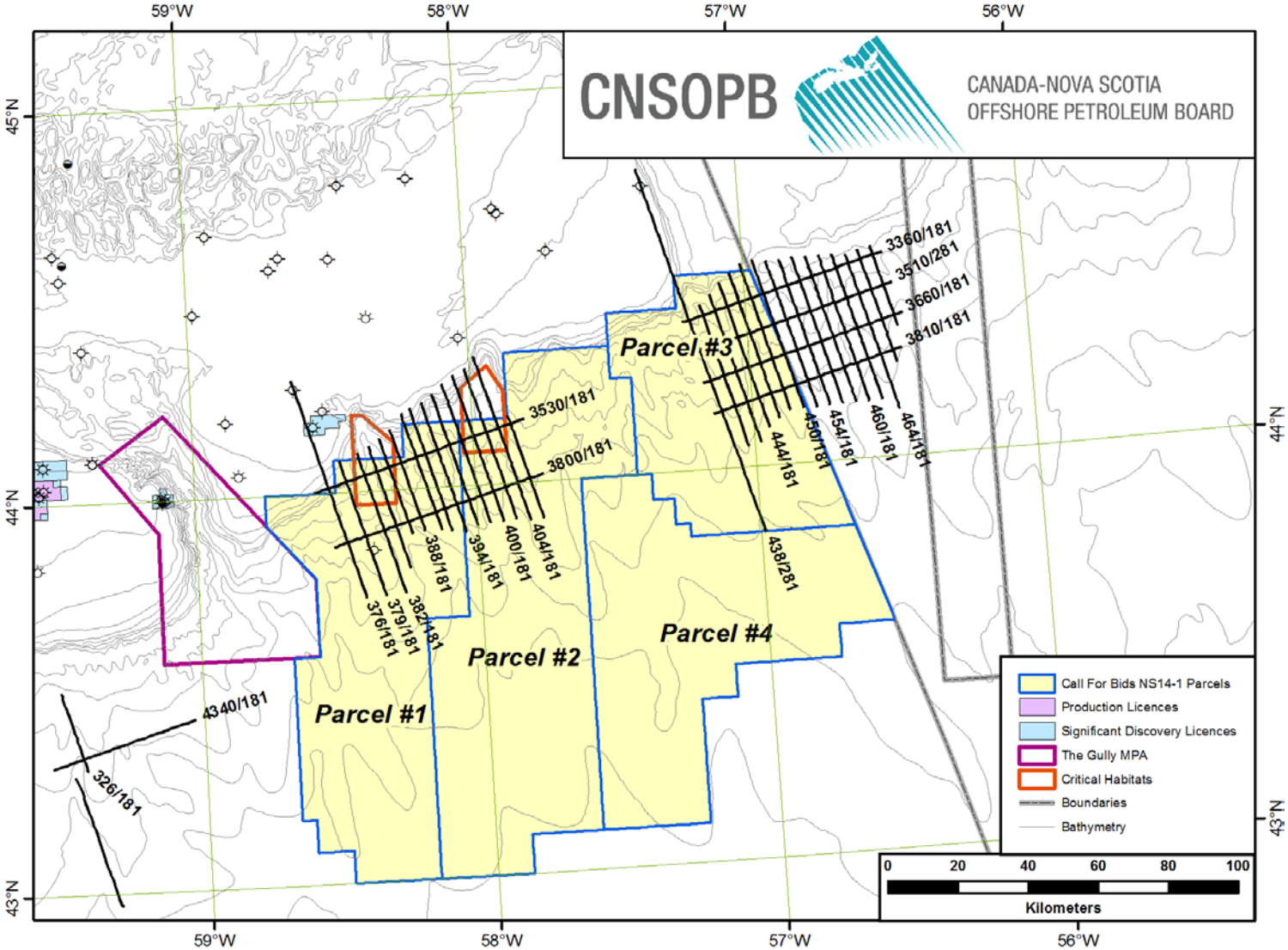


Figure 37: Location Map for 8624-S006-032E

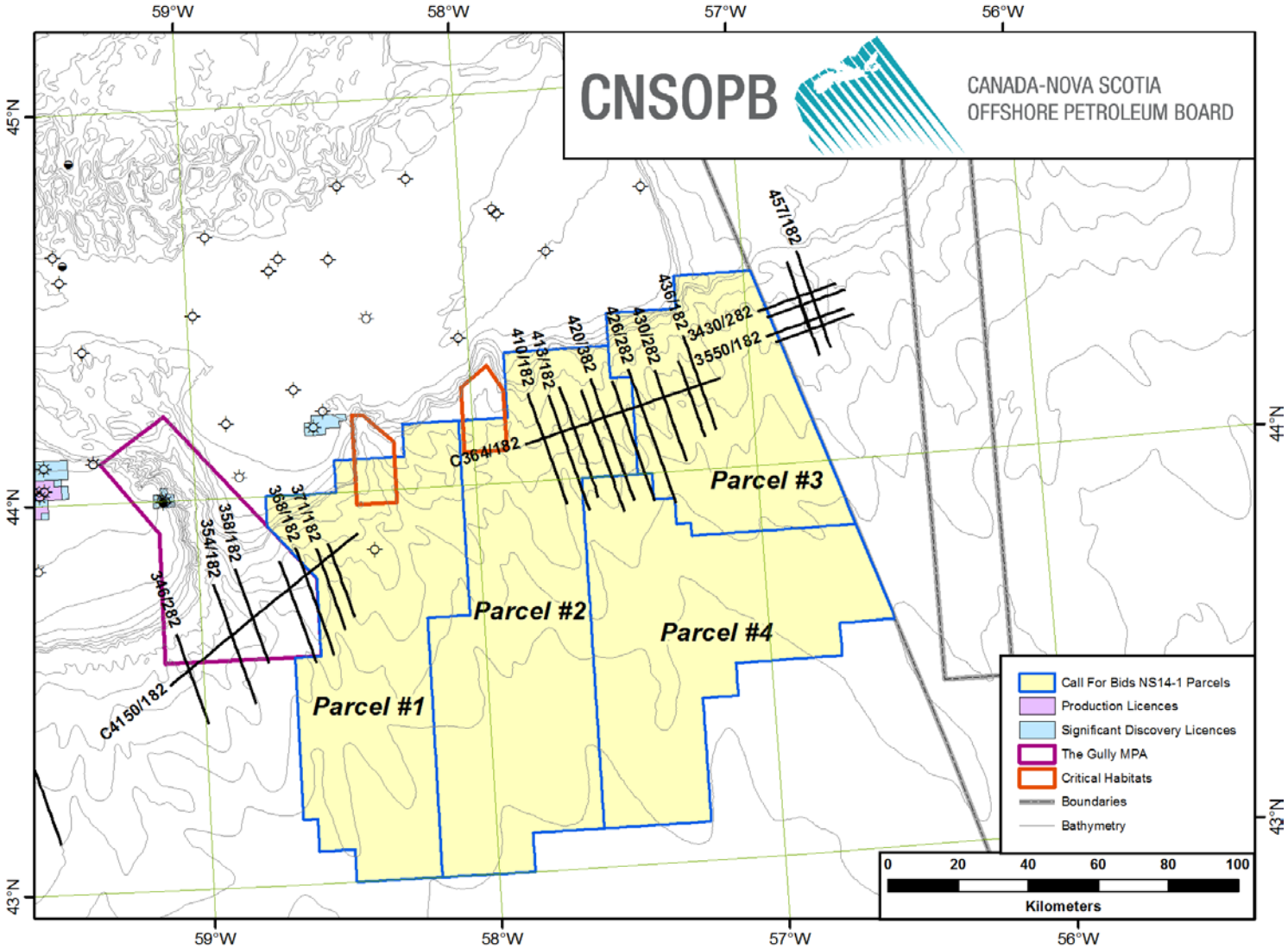


Figure 38: Location Map for 8624-S006-033E

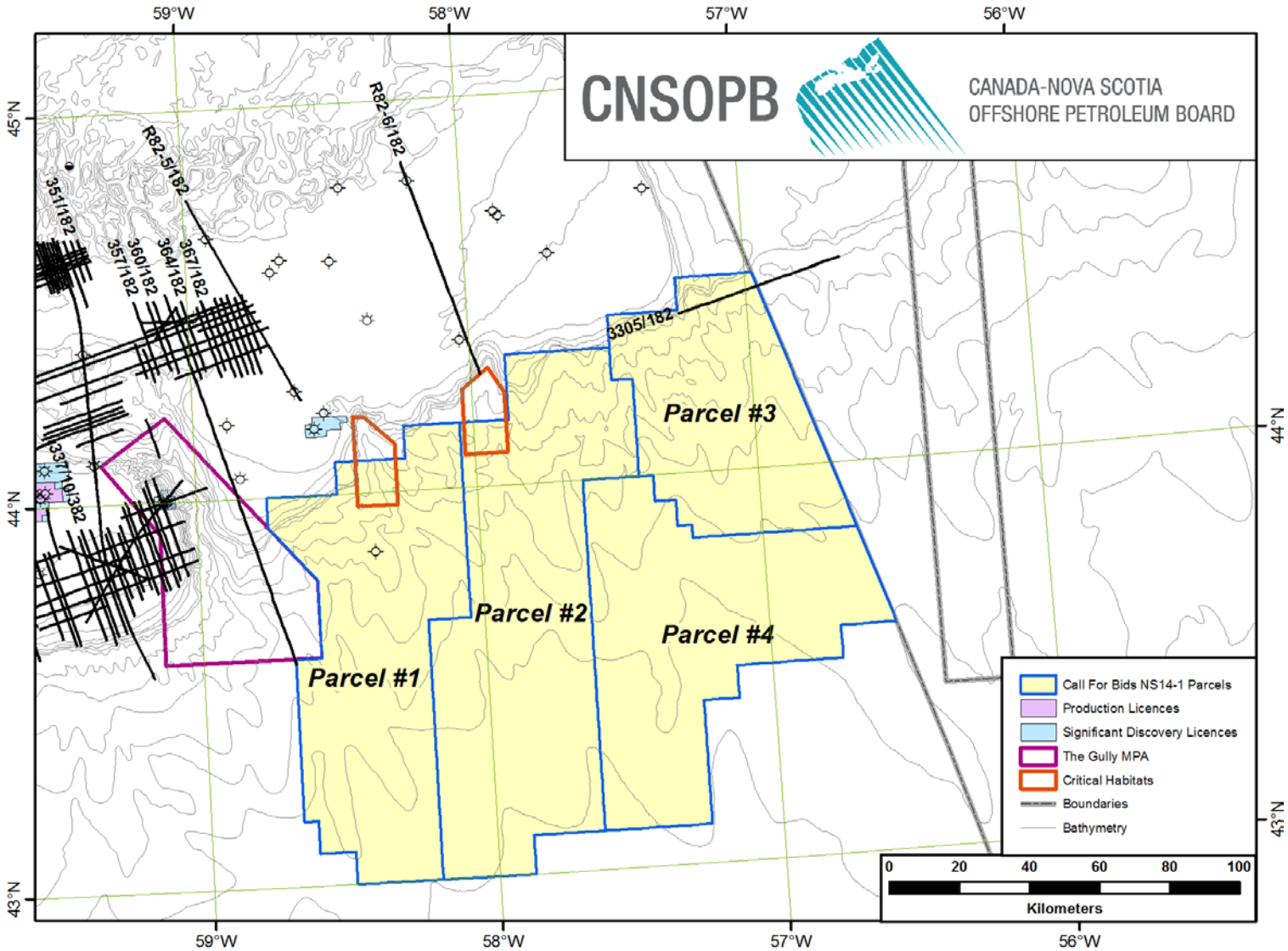


Figure 39: Location Map for 8624-S006-035E

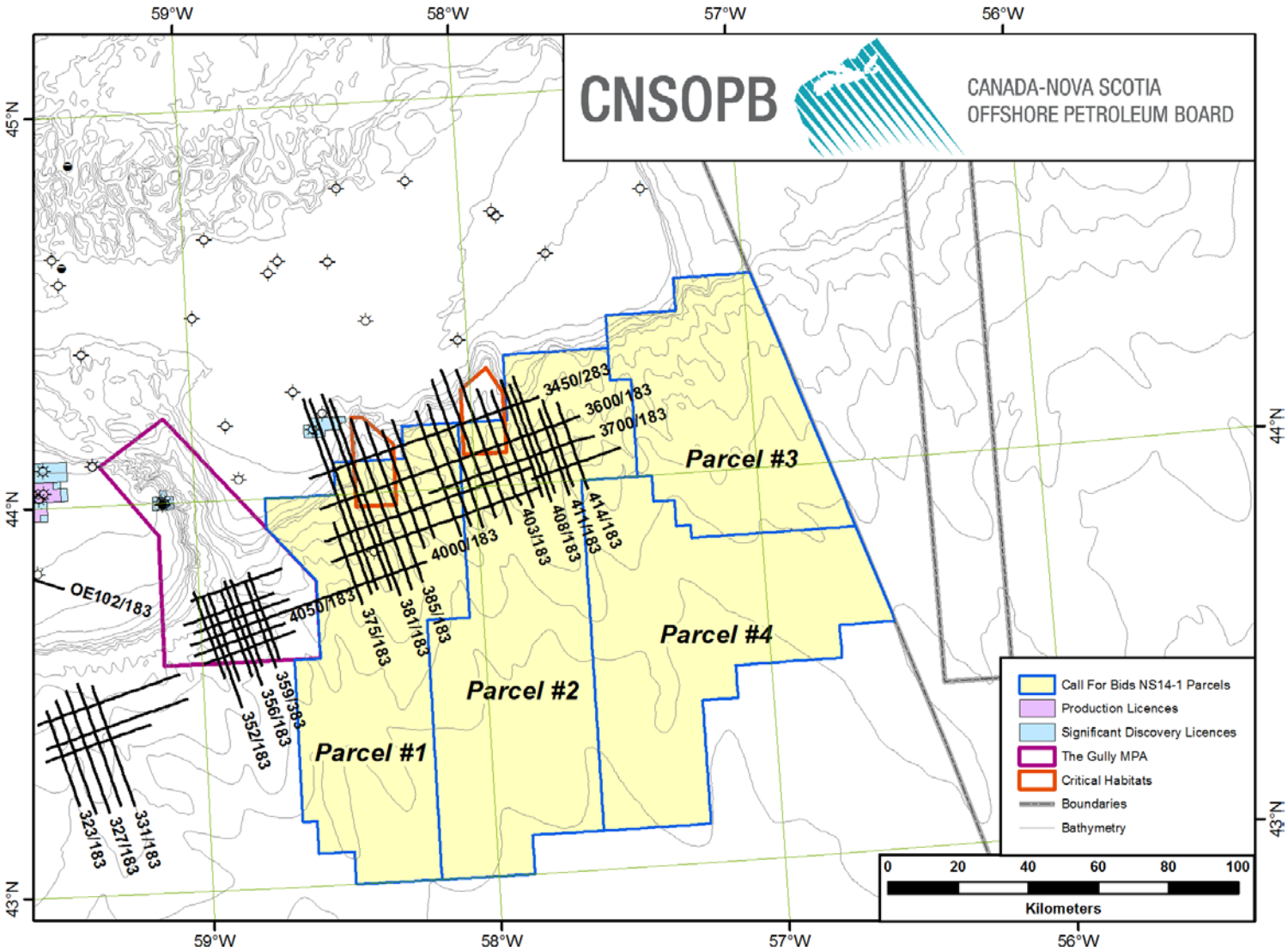


Figure 40: Location Map for 8624-S006-038E

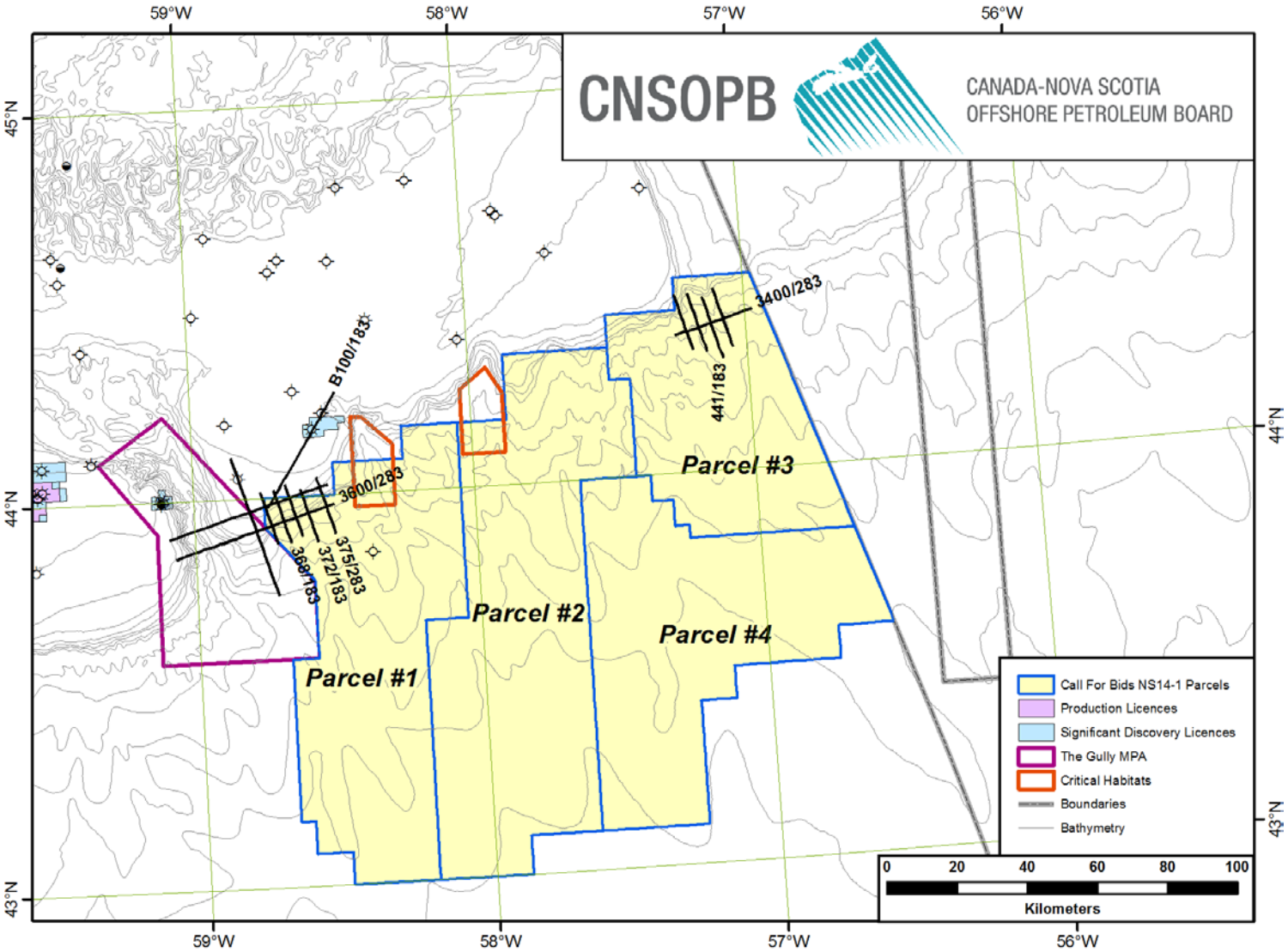


Figure 41: Location Map for 8624-S006-042E

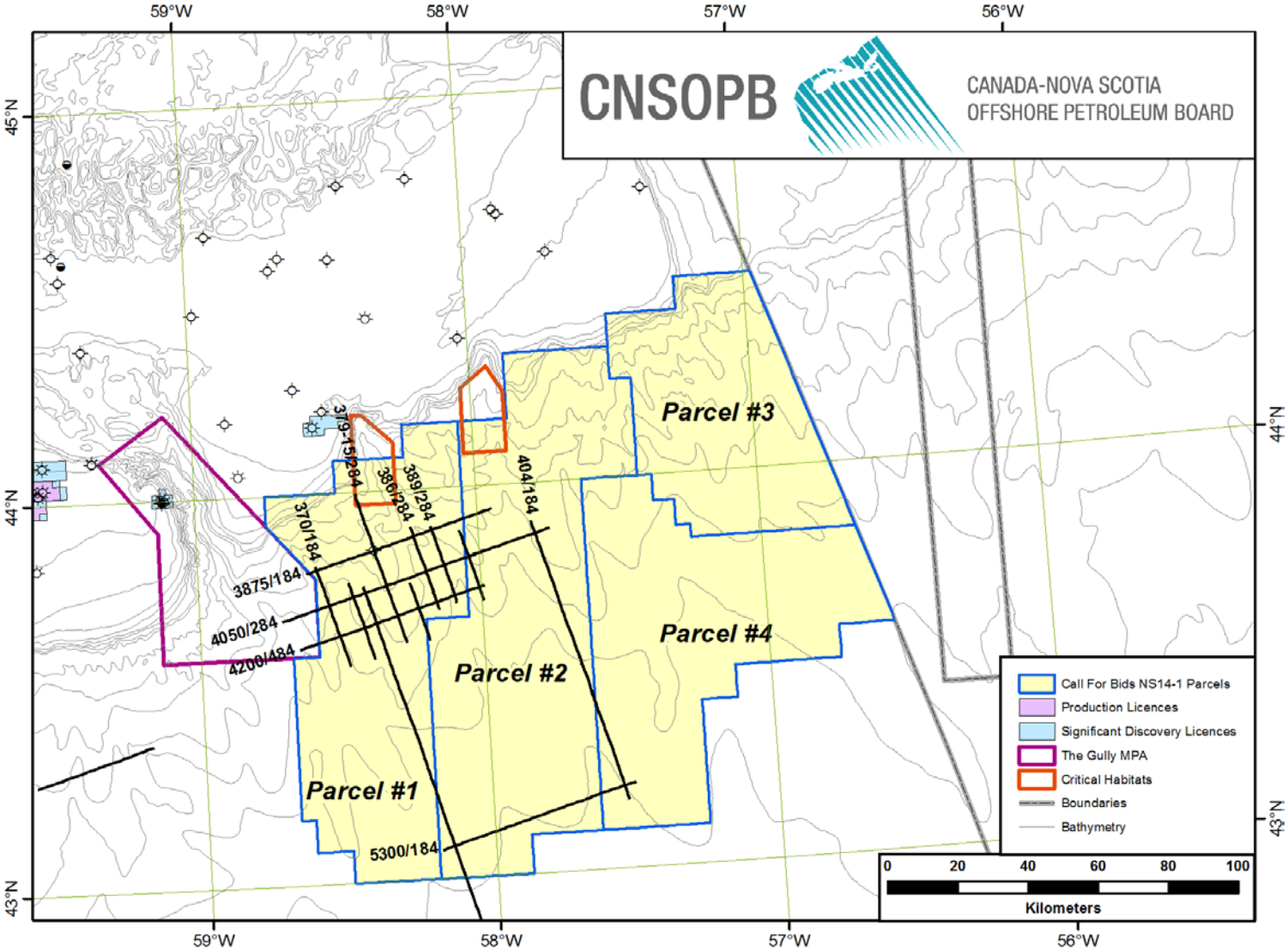


Figure 42: Location Map for 8624-S006-045E

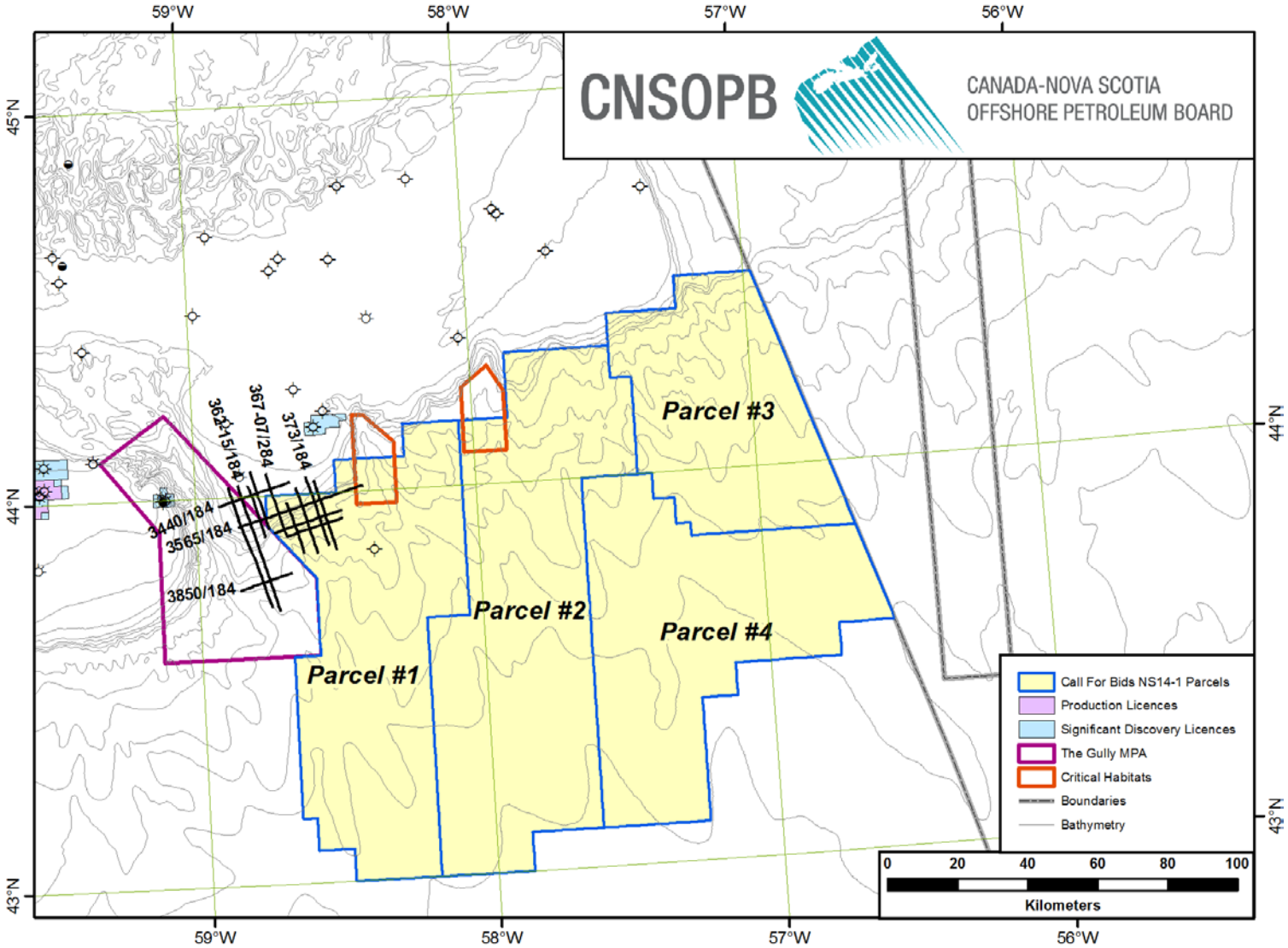


Figure 43: Location Map for 8620-S014-006E

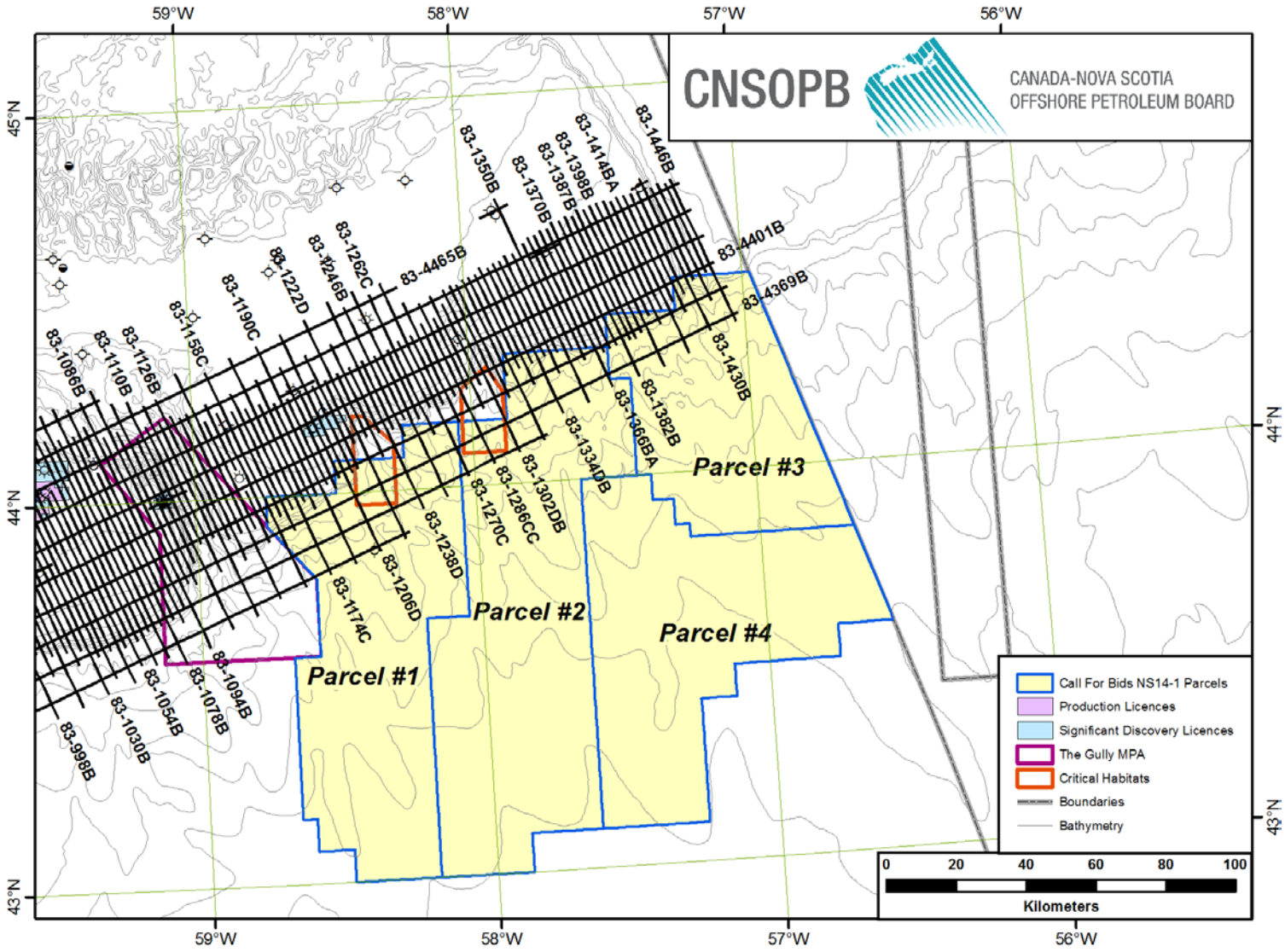


Figure 44: Location Map for 8620-S024-001P

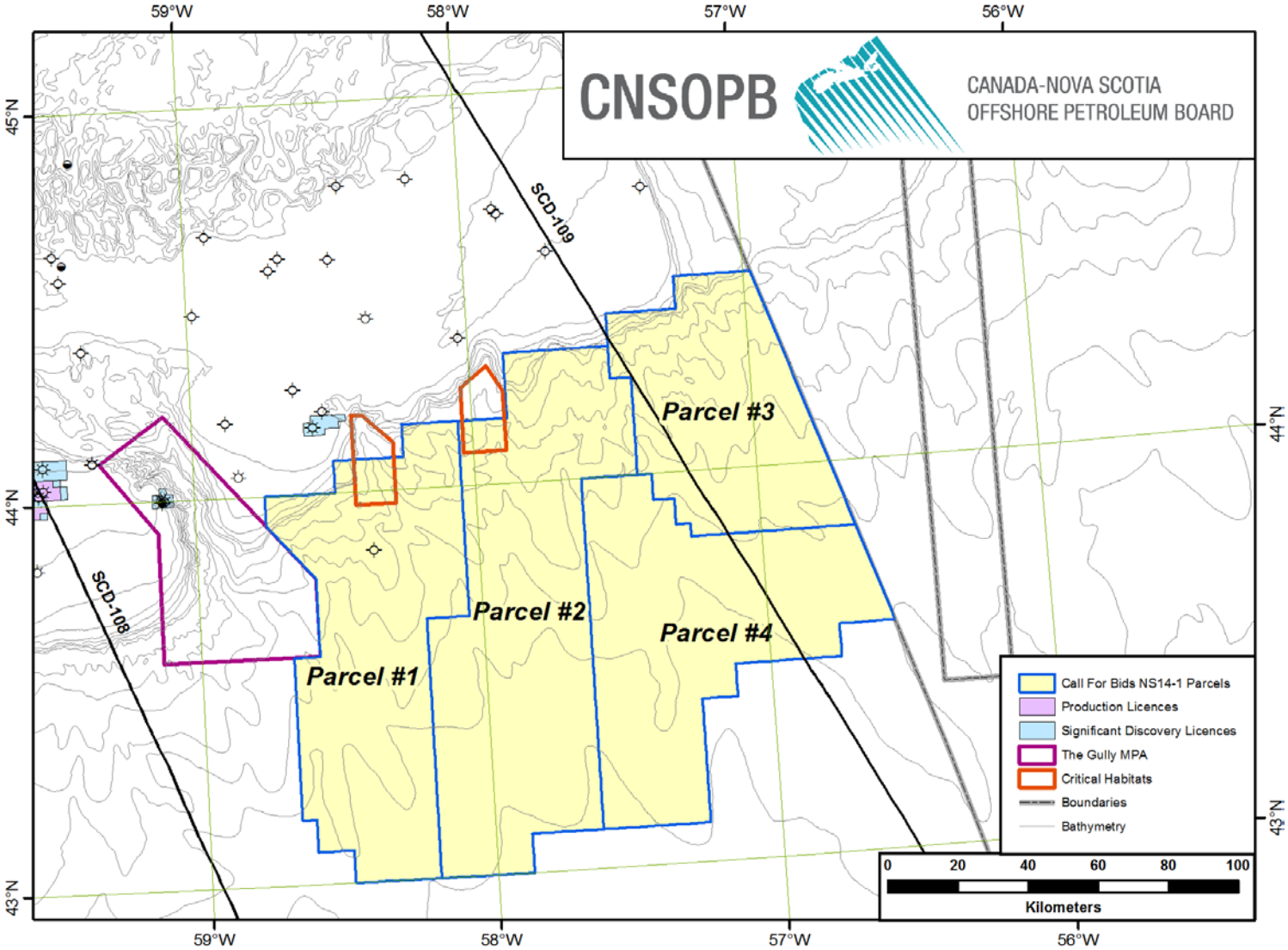


Figure 45: Location Map for NS24-T063-002P

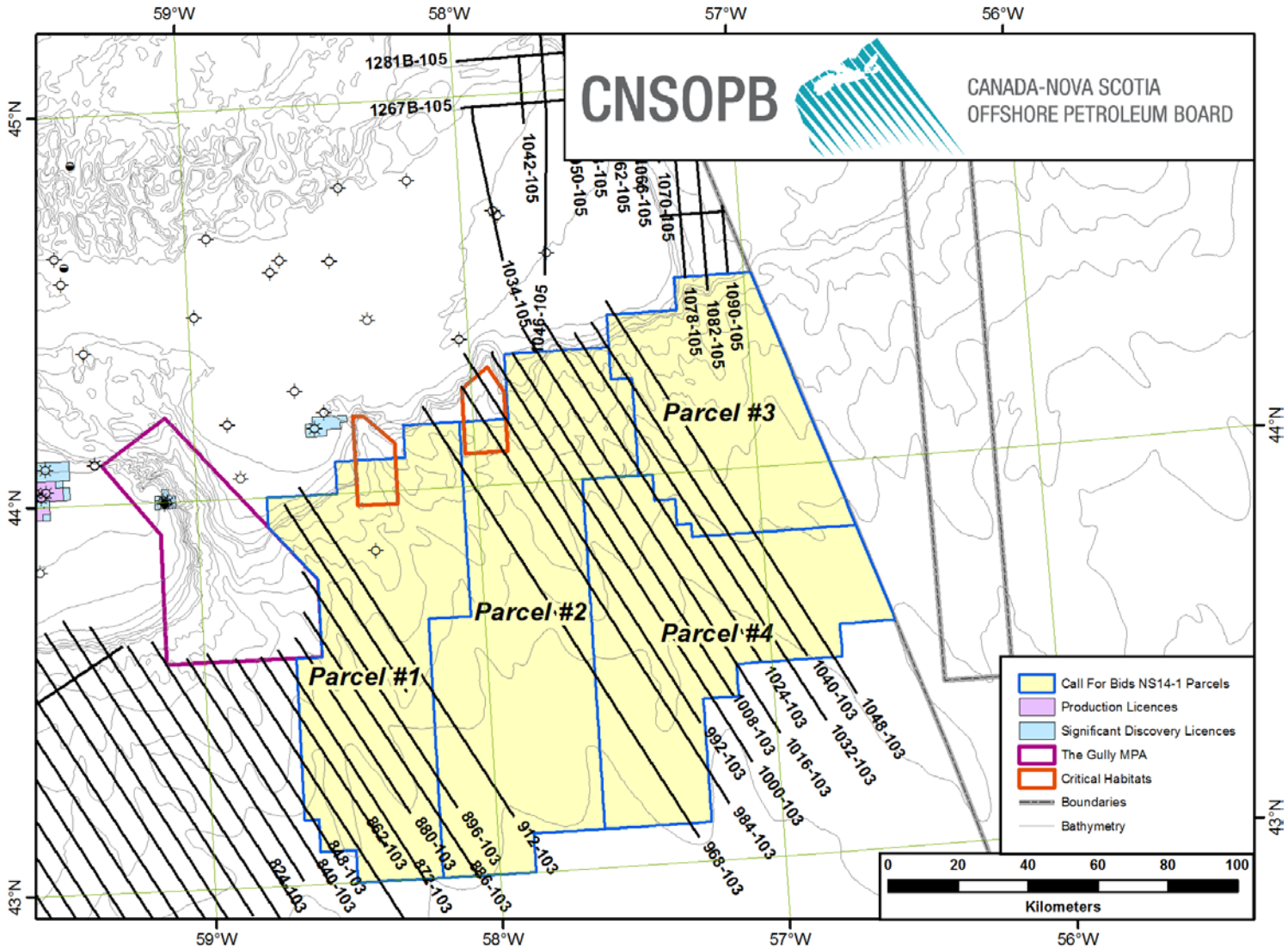


Figure 46: Location Map for 8624-W013-001P

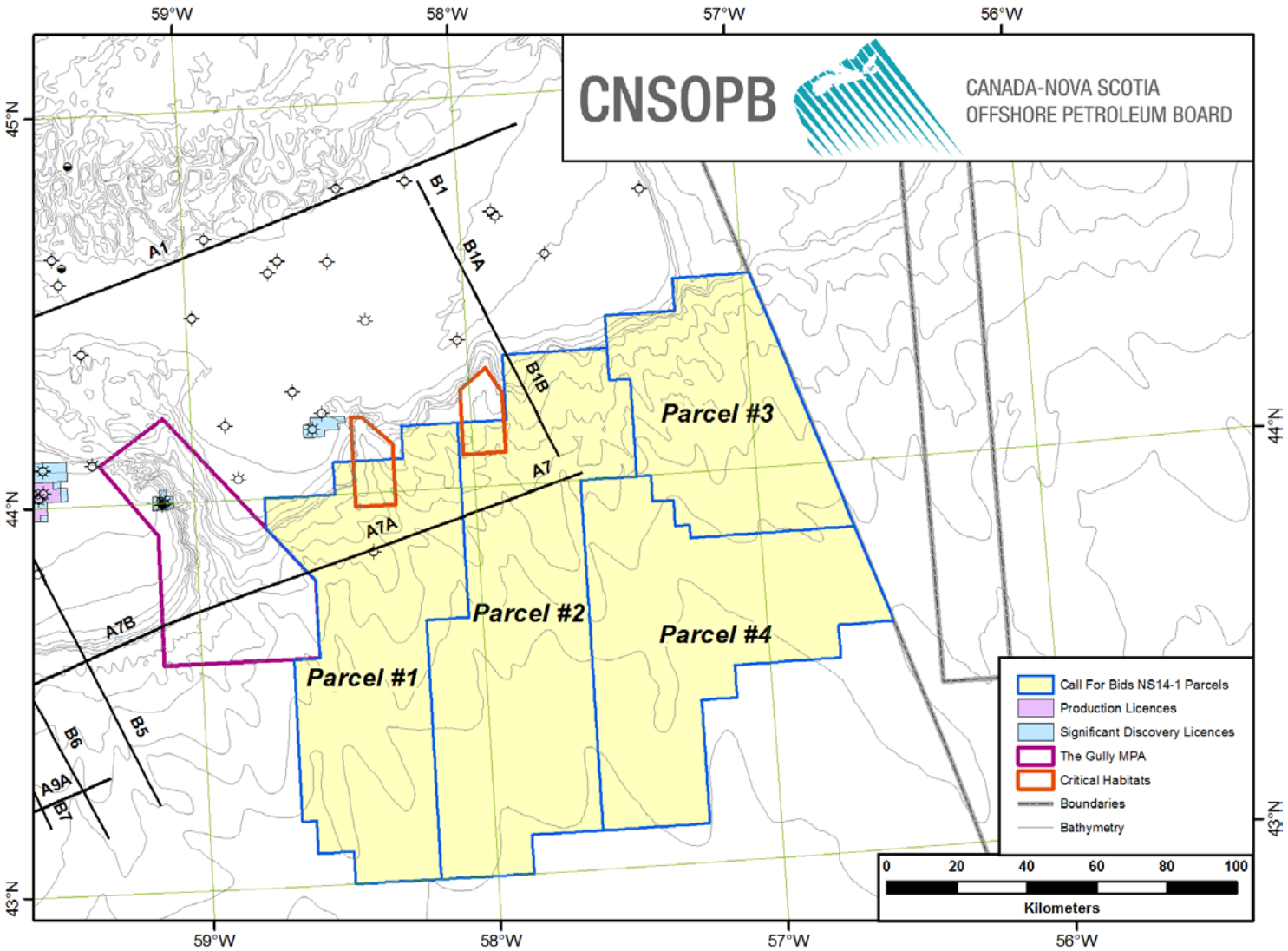


Figure 47: Location Map for 8624-W013-002P

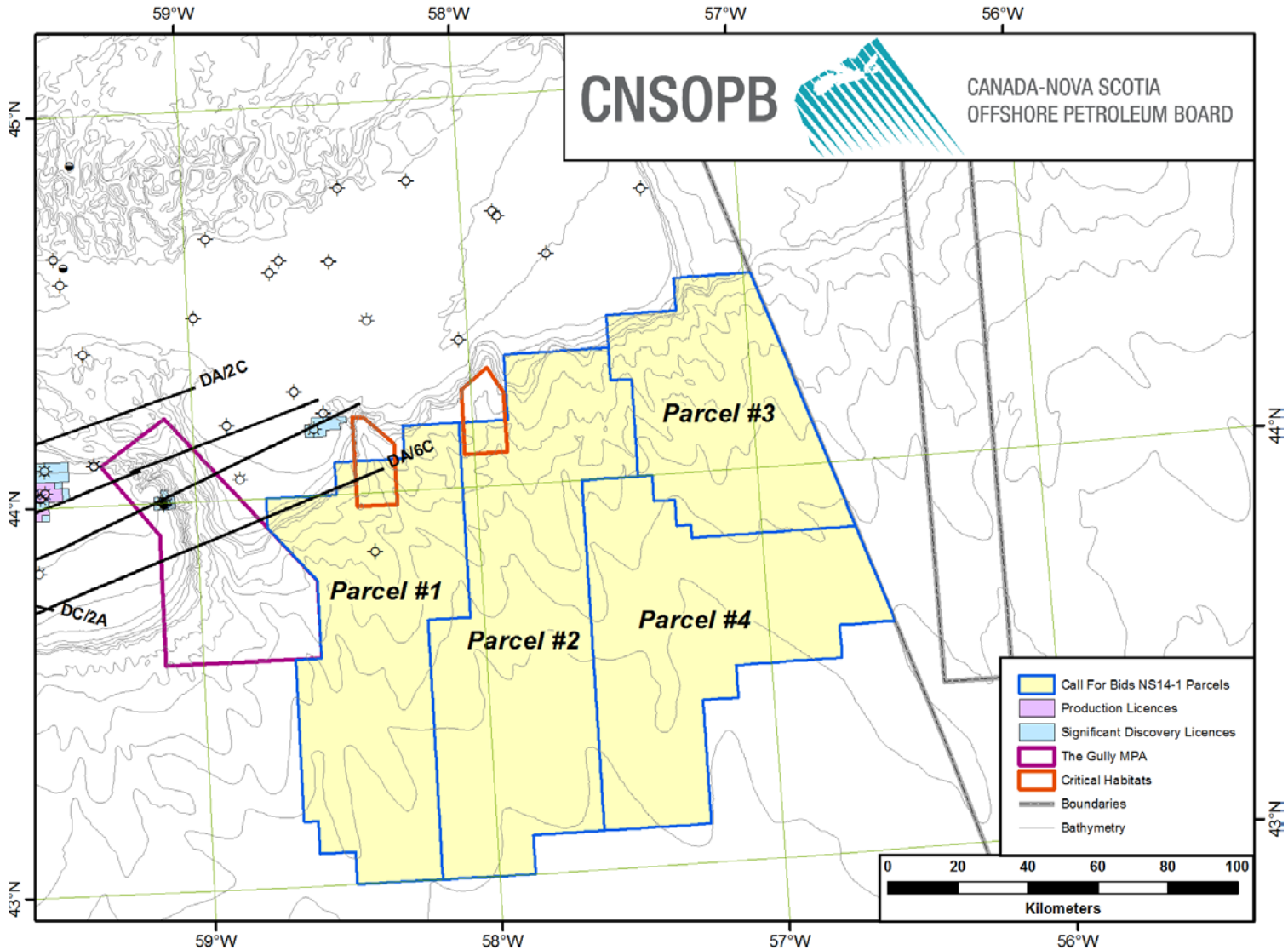


Figure 48: Location Map for 8624-W013-005P (1985)

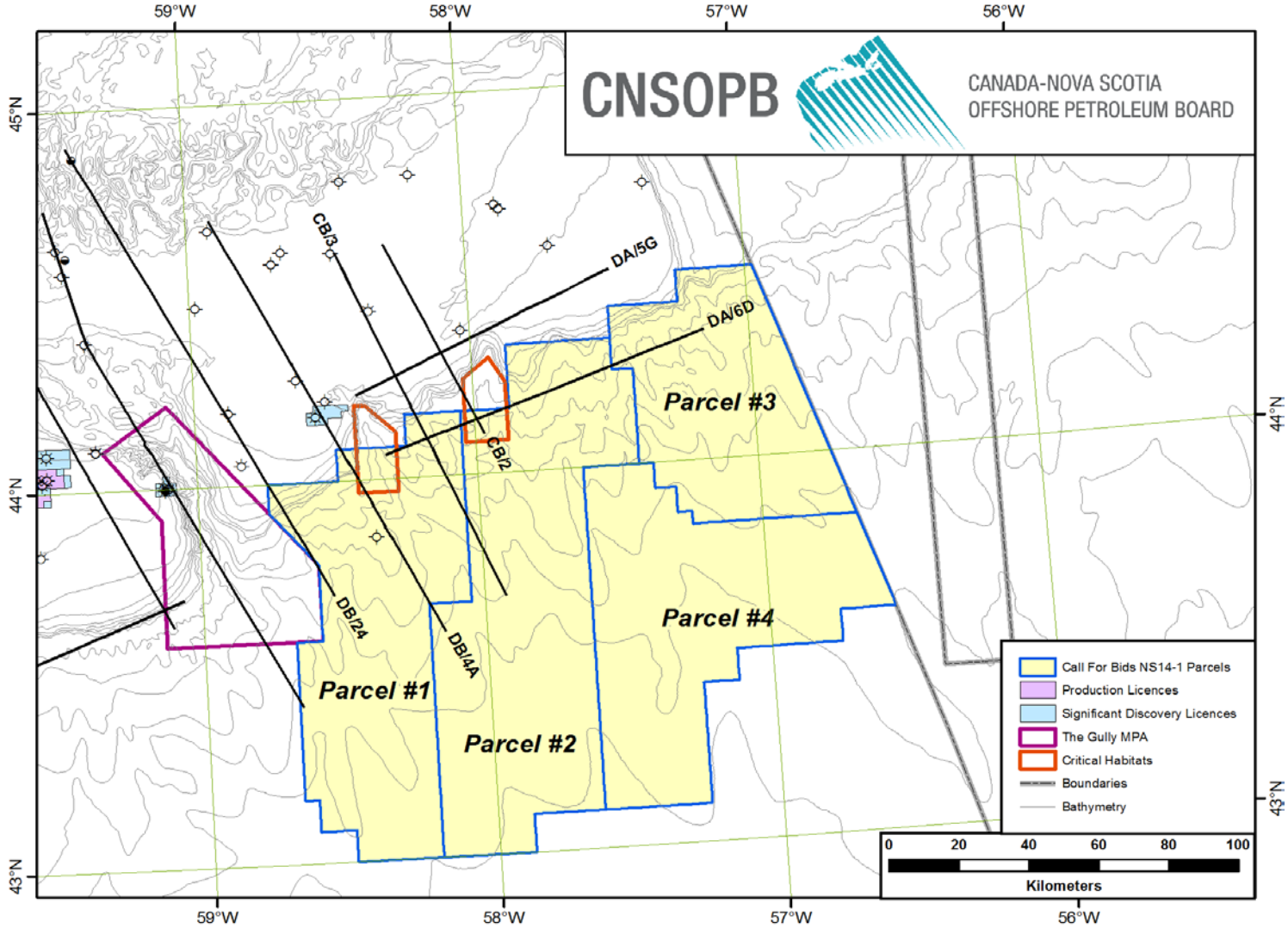


Figure 49: Location Map for NS24-W013-001P

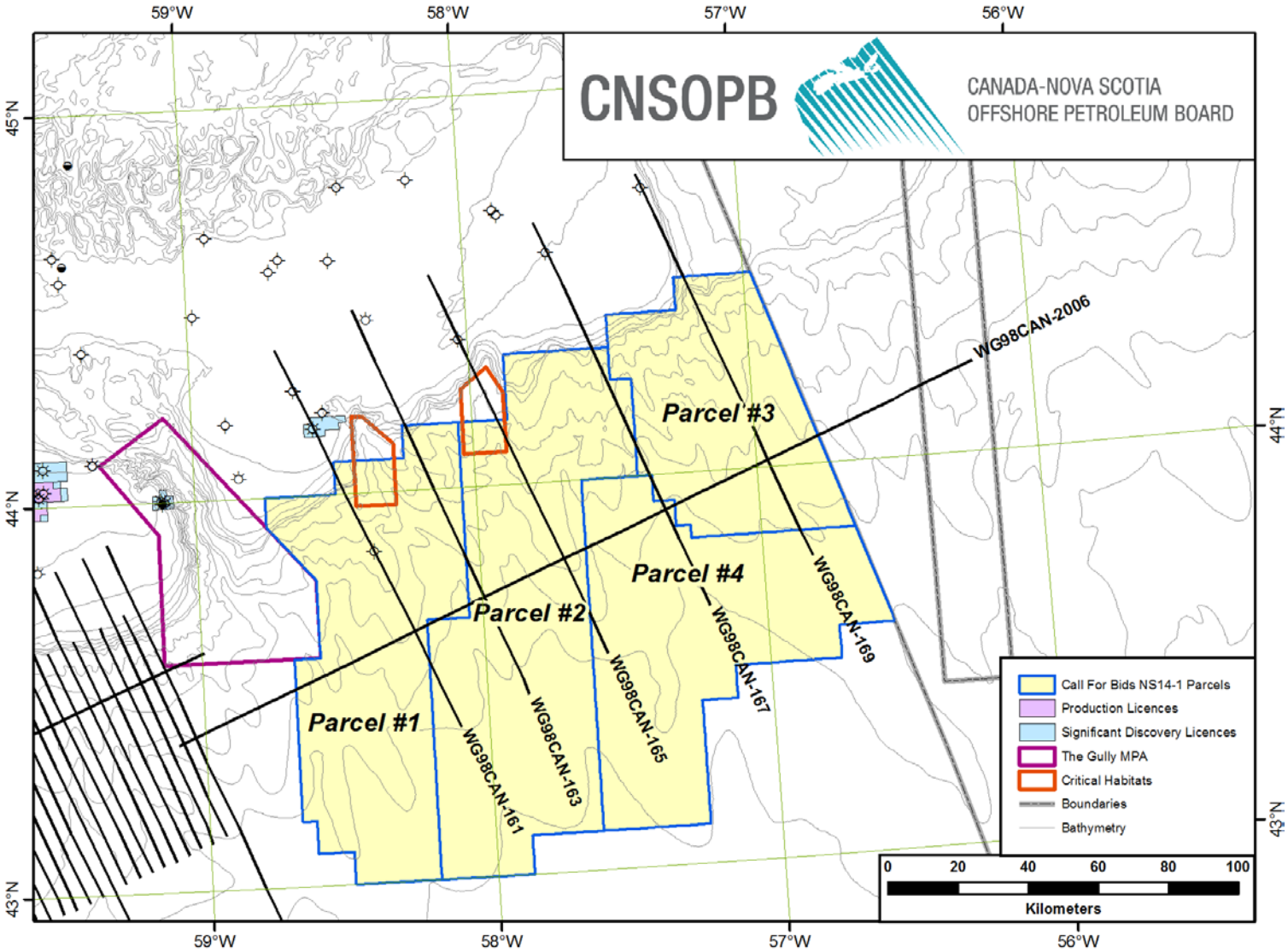


Figure 50: Location Map for NS24-W030-001P(2001)

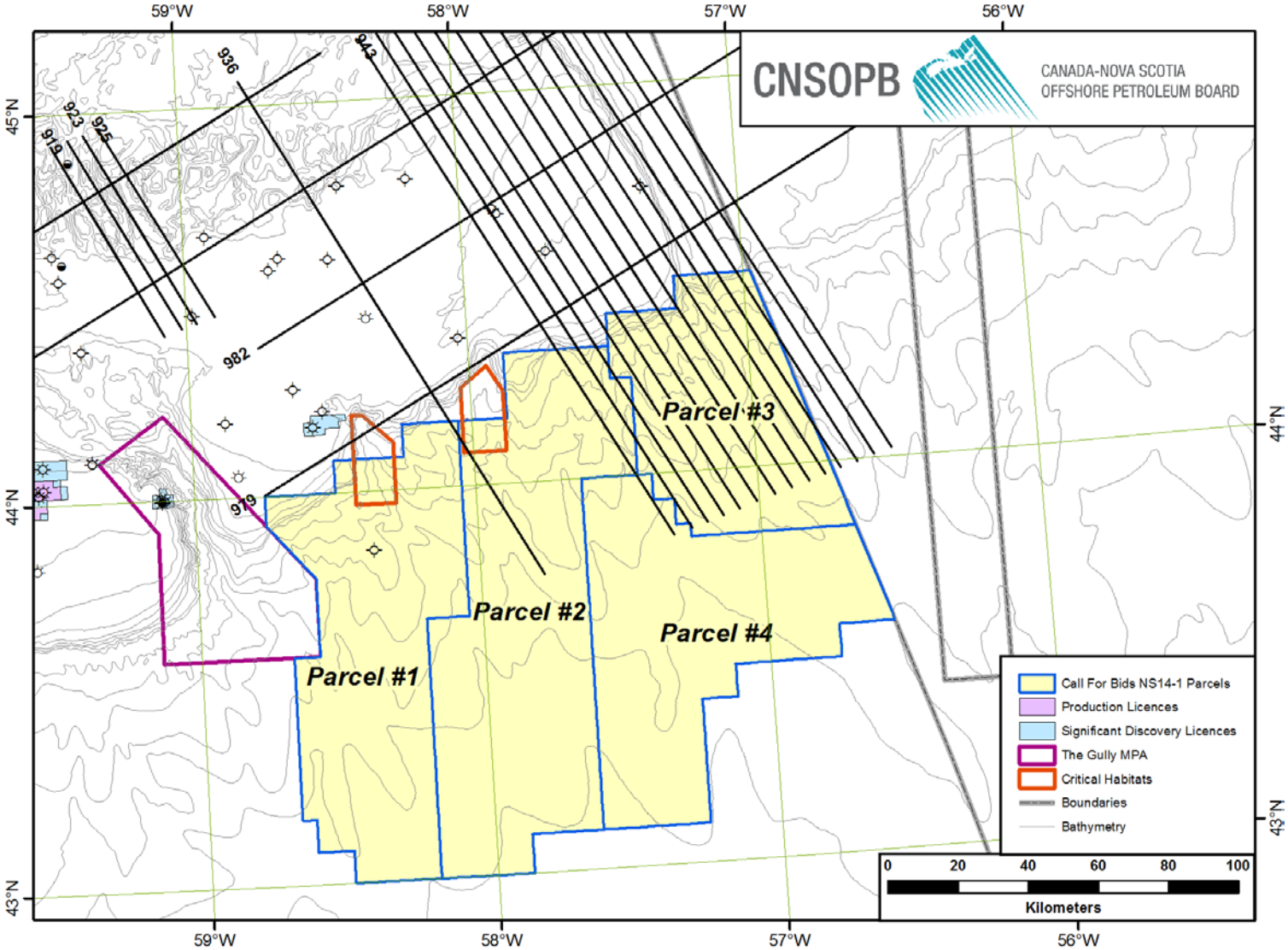


Figure 51: Location Map for BGR 1989

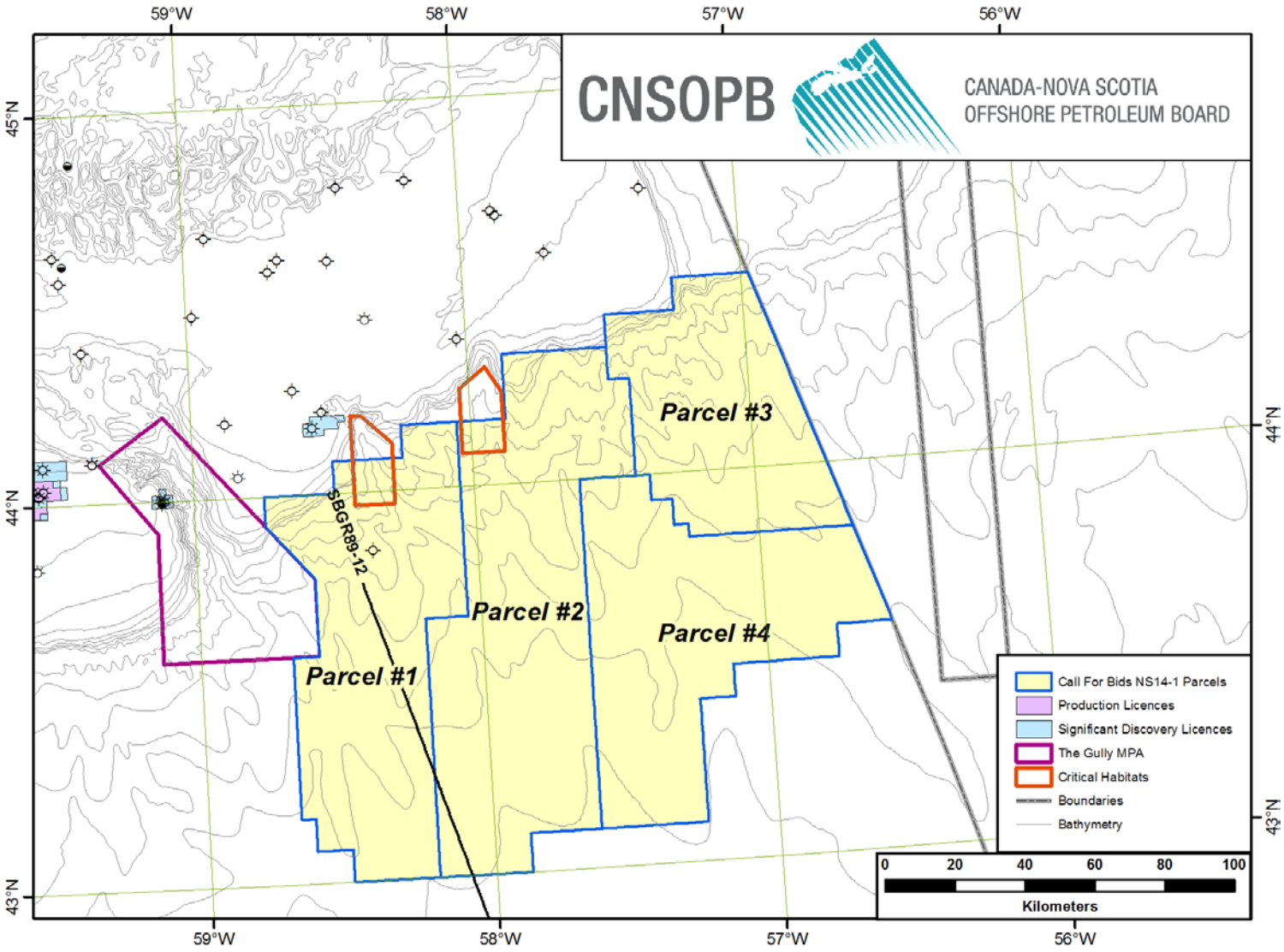


Figure 52: Location Map for RC2111

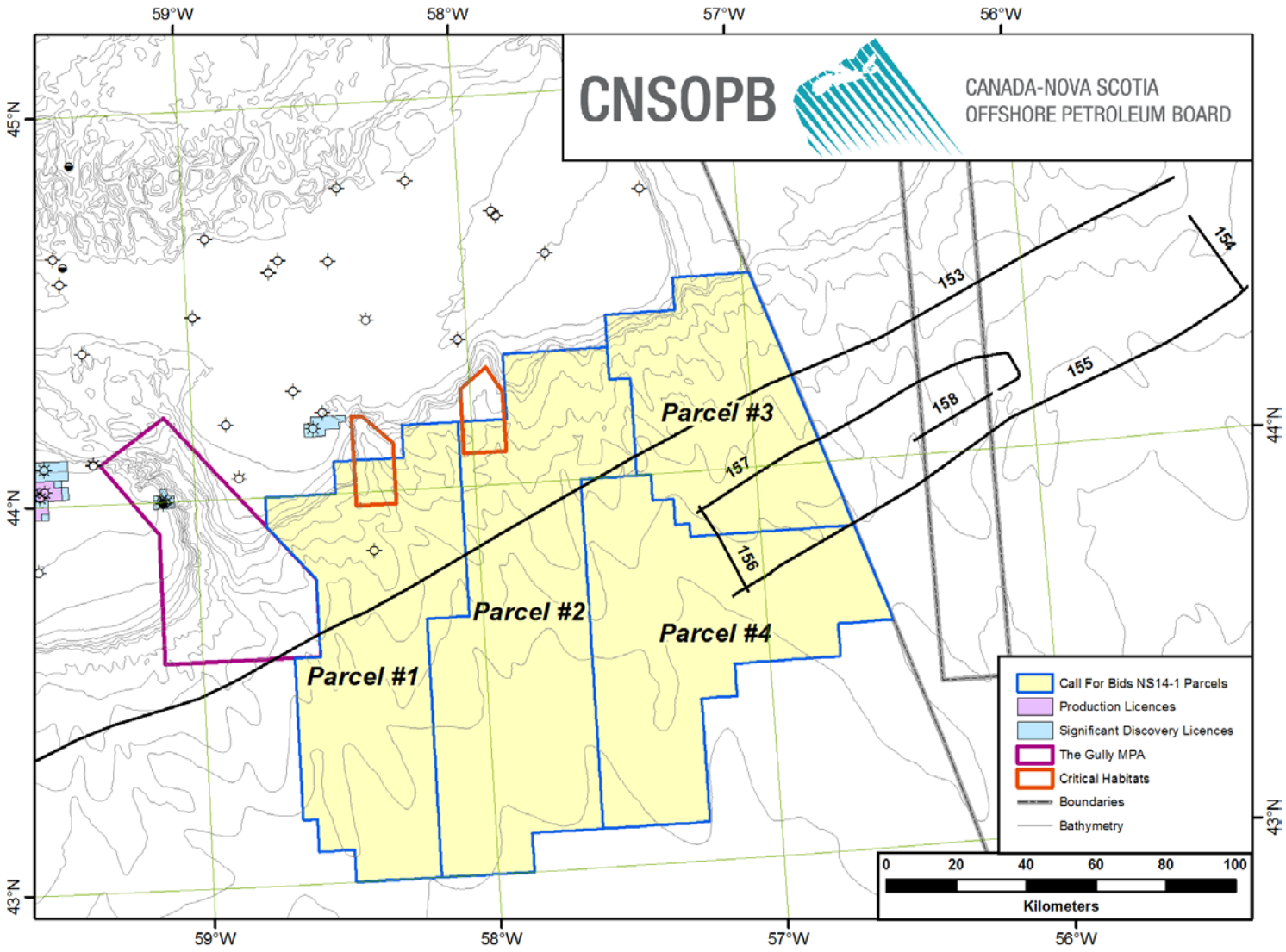


Figure 53: Location Map for Lithoprobe 1989

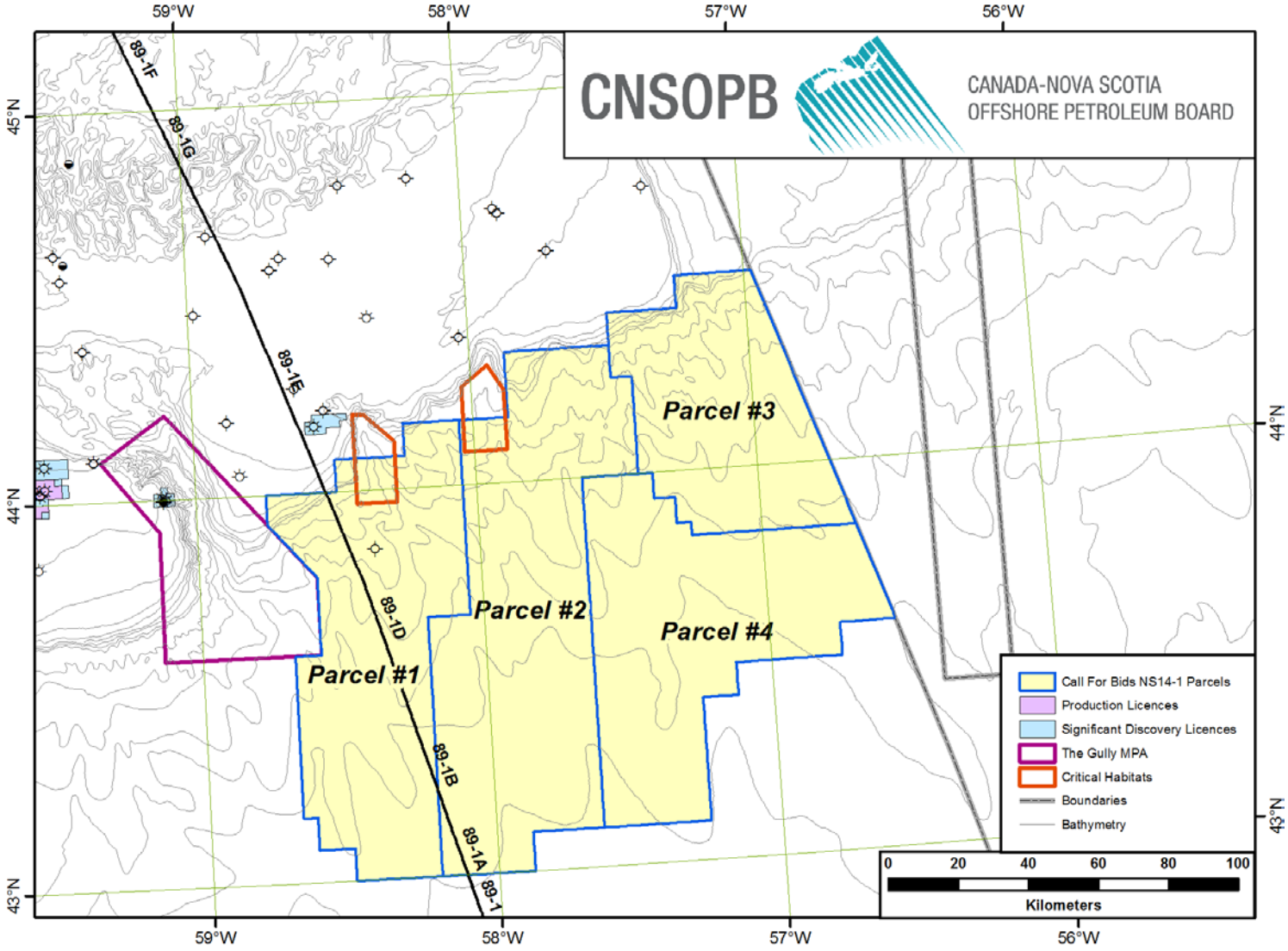
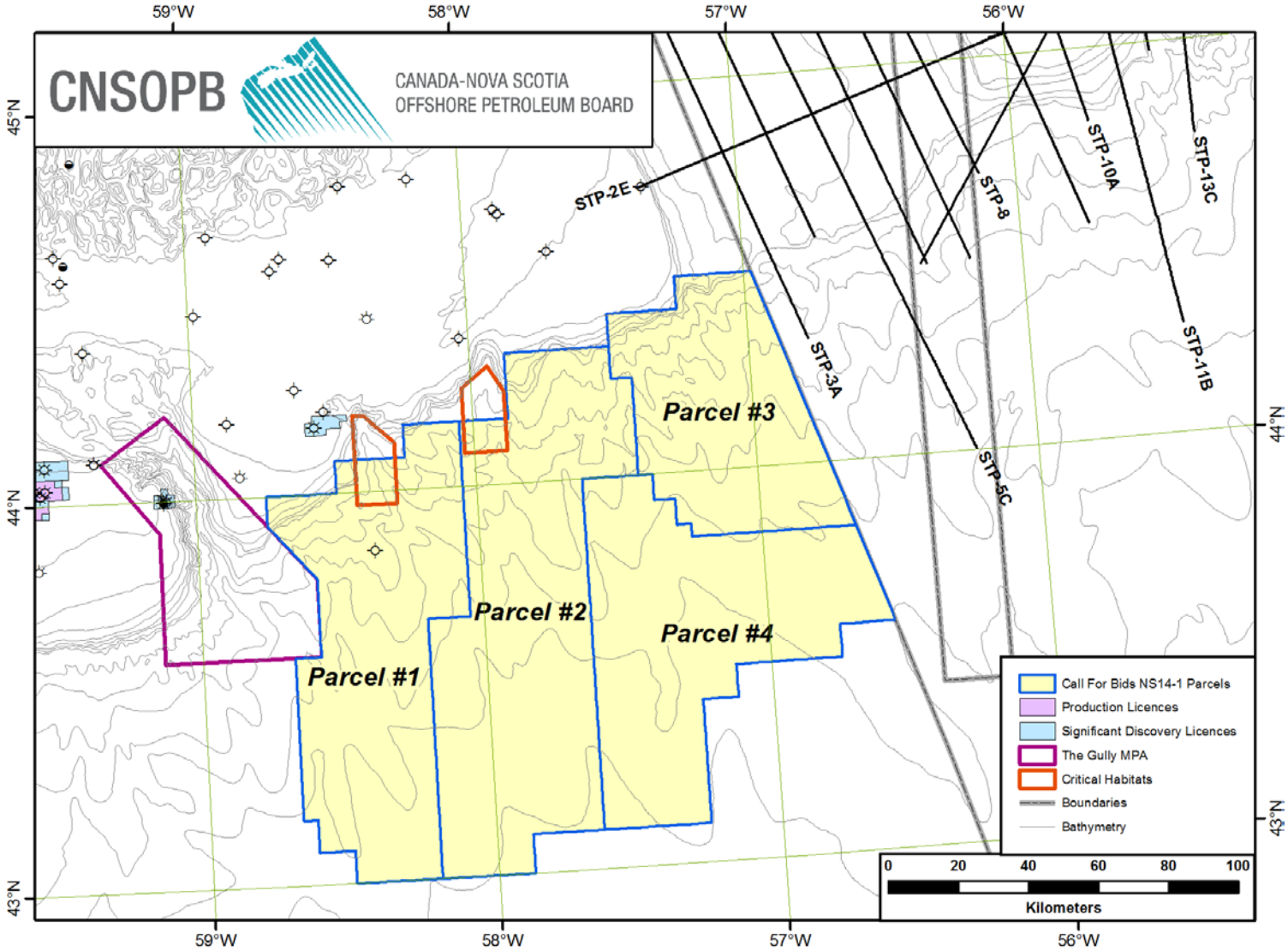


Figure 54: Location Map for St. Pierre Survey



6. Seismic Data Information Contacts

A) Natural Resources Canada

Visit natural Resources Canada website for data request:

Website: http://gdr.nrcan.gc.ca/seismtlitho/archive/le/index_e.php

B) LaMont-Doherty Earth Observatory
Columbia University/ Earth Institute

Website http://www.marine-geo.org/index.php

C) BGR (Bundesanstalt fur Geowissenschaften und Rohstoffe)

(Federal Institute for Geosciences and Natural Resources)

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