

# **Planning Area Descriptions of the Outer Continental Shelf (OCS) as of January 2002**

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In Association with the Proposed Final  
Outer Continental Shelf Oil & Gas  
Leasing Program 2002 to 2007

**Further information may be obtained from the following individuals:**

<b>Names</b>	<b>Telephone Number</b>	<b>Internet Address</b>
Lee Thormahlen	(303) 275-7120	leland_thormahlen@mms.gov
Paul Rogers	(303) 275-7133	paul_rogers@mms.gov
Fax	(303) 275-7106	

# Planning Area Descriptions of the Outer Continental Shelf (OCS) as of January 2002<sup>1</sup>

## North Atlantic (NOA) NAD 83<sup>2</sup>

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From the intersection of the SLA limit<sup>3</sup> with X=332,000 (UTM zone 19),<sup>4,5</sup> OPD<sup>6</sup> NK19-07, grid south through OPD's NK19-07, NK19-10, and NJ19-01 to the south boundary of OPD NJ19-01; thence east along the south boundary of OPD's NJ19-01, NJ19-02, NJ19-03, and NJ20-01 to the southeast corner of OPD NJ20-01; thence north along the east boundary of OPD's NJ20-01 and NK20-10 to Y=4,436,951.012 (UTM zone 20), the Limit of Protraction line; thence grid west to 40°03'30.590" N latitude, 65°22'27.419" W longitude; thence northerly to 40°27'05.559" N latitude, 65°41'56.490" W longitude, point ICJ-D of the United States (U.S.)-Canada Maritime Boundary;<sup>7</sup> thence in a northerly direction along the maritime boundary to the SLA limit; thence in a southerly direction along the SLA limit to the point of origin.

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<sup>1</sup>These descriptions delineate the limits of the OCS planning areas. They are for planning purposes only and should have no application or effect whatsoever as to the possible extent of present or future U.S. jurisdictional claims.

<sup>2</sup>The three letters in parentheses following the planning area name is the MMS Technical Information Management System's acronym for the planning area. The NAD 83 or NAD 27 following the planning area acronym indicates the planning area description references of the North American Datum of 1983 or the North American Datum of 1927, respectively.

<sup>3</sup>The inner limit of the planning areas is a line conterminous with the seaward boundary of each of the coastal States pursuant to the Submerged Lands Act U.S.C. 1301 et sec. For convenience, this limit is described as the "SLA limit" in these planning area descriptions.

<sup>4</sup>UTM refers to the Universal Transverse Mercator grid system upon which the X and Y values that are used on the protraction diagrams are computed. The numerical values shown on these diagrams are metric, except for diagrams for the Gulf of Mexico, which are in feet.

<sup>5</sup>All coordinate values, whether X and Y values on either the UTM or a State Plane Coordinate System or latitude and longitude coordinates, reference the datum indicated for the planning area description unless noted otherwise. When necessary, NADCON Version 2.10 was used to transform original NAD 27 coordinates to NAD 83 equivalents.

<sup>6</sup>As used in these descriptions, OPD refers to the "most current date" Official Protraction Diagram produced by Minerals Management Service's (MMS) Mapping and Boundary Branch. As of the release date of this document, OPD's have not been published for all MMS planning areas.

<sup>7</sup>The U.S.-Canada Maritime Boundary as defined in the International Court of Justice decision of 1984.

## Mid-Atlantic (MDA) NAD 83

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From the intersection of the SLA limit and the south boundary of OPD NI18-01, east along the south boundary of OPD's NI18-01, NI18-02, NI18-03, and NI19-01 to the southeast corner of OPD NI19-01; thence north along the east boundary of OPD's NI19-01 and NJ19-10 to the corner of OPD's NJ19-10, NJ19-07, and NJ19-08; thence east along the south boundary of OPD NJ19-08 to the southeast corner of OPD NJ19-08; thence north along the east boundary of OPD NJ19-08 to the corner of OPD's NJ19-08, NJ19-05, and NJ19-06; thence east along the south boundary of OPD NJ19-06 to the southeast corner of OPD NJ19-06; thence north along the east boundary of OPD NJ19-06 to the northeast corner of OPD's NJ19-06, NJ19-03 (NOA),<sup>8</sup> and NJ20-01 (NOA); thence west along the north boundary of OPD's NJ19-06, NJ19-05, and NJ19-04 to X=332,000 (UTM zone 19); thence grid north through OPD's NJ19-01, NK19-10 and NK19-07 to the SLA limit; thence in a southerly direction along the SLA limit to the point of origin.

## South Atlantic (SOA) NAD 83

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From the intersection of the SLA limit and the north boundary of OPD NI18-04 east along the north boundary of OPD's NI18-04, NI18-05, NI18-06, and NI19-04 to the northeast corner of OPD NI19-04; thence south along the east boundary of OPD's NI19-04 and NI19-07 to the southeast corner of OPD NI19-07; thence west along the south boundary of OPD NI19-07 to the corner of OPD's NI19-07, NI18-09, and NI18-12; thence south along the east boundary of OPD's NI18-12 and NH18-03 to the southeast corner of OPD NH18-03; thence west along the south boundary of OPD NH18-03 to the corner of OPD's NH18-03, NH18-02, and NH18-05; thence south along the east boundary of OPD NH18-05 to the southeast corner of OPD NH18-05; thence west along the south boundary of NH18-05 to the corner of OPD's NH18-05, NH18-04, and NH18-07; thence south along the east boundary of OPD's NH18-07 and NH18-10 to the Limit of Protraction line, OPD NH18-10; thence west through OPD NH18-10 along the Limit of Protraction line to the Exclusive Economic Zone (EEZ) limit<sup>9</sup> at 28°17'11.052" N latitude; thence westerly through OPD's NH18-10 and NH17-12 along the EEZ limit to 28°17'11.052" N latitude, 79°11'22.996" W longitude (point 20 of the EEZ limit<sup>10</sup>); thence southwesterly along the EEZ limit to the intersection with the south boundary of OPD NH17-12; thence west along the south boundary of OPD's NH17-12 and NH17-11 to the SLA limit; thence in a northerly direction along the SLA limit to the point of origin.

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<sup>8</sup>The three-letter acronym following an OPD number indicates that the OPD is in an adjoining planning area. For example, in the Bowers Basin Planning Area description "From the corner of OPD's NN02-01, NN02-02 (GEO), NO02-08 (GEO), and NO02-07 (GEO)..." indicates that only OPD NN02-01 is in the Bowers Basin Planning Area; NN02-02, NO02-08, and NO02-07 are in the St. George Planning Area.

<sup>9</sup>As defined by Executive Proclamation No. 5030, March 10, 1983 (48 FR 10605, March 14, 1983). For convenience, this boundary is described as the "EEZ limit" in these planning area descriptions.

<sup>10</sup>As defined in 42 FR 12937, March 7, 1977, for the U.S. Atlantic Coast and the Gulf of Mexico.

## **Straits of Florida (FLS) NAD 83**

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From the intersection of the SLA limit with the north boundary of OPD NG17-02 east along the north boundary of OPD's NG17-02 and NG17-03 to the intersection with the EEZ limit; thence in a southerly direction along the EEZ limit through OPD's NG17-03, NG17-06, NG17-09, NG17-12, NG17-11, and NF17-02 to 23°55'31.583" N latitude, 81°12'54.175" W longitude (point 1 of the U.S.-Cuba Provisional Maritime Boundary<sup>11</sup>); thence west along the U.S.-Cuba Provisional Maritime Boundary through OPD's NF17-02 and NF17-01 to 23°49'23.597" N latitude, 83°59'59.311" W longitude (point 12 of the U.S.-Cuba Provisional Maritime Boundary); thence north through OPD's NF17-01 and NG17-10 to approximately 24°35'01.554" N latitude; thence east to the SLA limit<sup>12</sup> south of the Dry Tortugas; thence southerly along the SLA limit to approximately 24°35'01.554" N latitude; thence east to the SLA limit west of the Marquesas Keys at approximately 24°35'01.554" N latitude; thence southeasterly and northeasterly along the SLA limit to the point of origin.

## **Eastern Gulf of Mexico (EGM) NAD 27**

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From the intersection of the SLA limit with X=1,393,920.00 (UTM zone 16), OPD NH16-05 south along the west boundary of OPD's NH16-05 and NH16-08 to the intersection with the north boundary of block 254 of LA10A (LA-MAP No. 10A);<sup>13</sup> thence east along the north boundary of block 254 to the northeast corner of block 254; thence south along the east boundary of block 254 to the southeast corner of block 254; thence west along the south boundary of block 254 to X=1,393,920.00 (UTM zone 16), OPD NH16-08; thence south along the west boundary of OPD NH16-08 to the north boundary of OPD NH16-11; thence west to the northwest corner of OPD NH16-11; thence south along the west boundary of OPD's NH16-11, NG16-02, NG16-05, and NG16-08 to the Limit of Protraction line; thence southeasterly along the Limit of Protraction line to 25°12'25" N latitude, 86°33'12" W longitude (point 27 of the U.S.-Cuba Provisional Maritime Boundary); thence southeasterly along the U.S.-Cuba Provisional Maritime Boundary to 23°49'22" N latitude, 83° W longitude (point 12 of the U.S.-Cuba Provisional Maritime Boundary); thence north through OPD's NF17-01 and NG17-10 to the SLA limit south of the Dry Tortugas; thence northwesterly along the SLA limit to 24°35' N latitude; thence east to the SLA limit west of the Marquesas Keys at 24°35' N latitude; thence easterly and northwesterly along the SLA limit to the point of origin.

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<sup>11</sup>As defined by the Maritime Boundary Agreement between the United States of America and the Republic of Cuba, signed in Washington, December 16, 1977.

<sup>12</sup>Supreme Court of the United States, Number 52 Original, October Term, 1973.

<sup>13</sup>These designations refer to the Louisiana leasing maps based on the State plane coordinate system. References to Louisiana leasing maps will be preceded by "LA\_\_ (LA-MAP No.\_\_)" in these descriptions. "LA\_\_" is the current MMS numbering scheme for Louisiana leasing maps, and "(LA-MAP No. \_\_)" is a cross-reference to the former numbering scheme.

## Central Gulf of Mexico (CGM) NAD 27

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From the intersection of the SLA limit with X=1,393,920.00 (UTM zone 16), OPD NH16-04 south along the east boundary of OPD's NH16-04 and NH16-07 to the intersection with the north boundary of block 254 of LA10A (LA-MAP No. 10A); thence east along the north boundary of block 254 to the northeast corner of block 254; thence south along the east boundary of block 254 to the southeast corner of block 254; thence west along the south boundary of block 254 to X=1,393,920.00 (UTM zone 16), OPD NH16-07; thence south along the east boundary of OPD NH16-07 to the intersection with the north boundary of OPD NH16-11; thence west to the northeast corner of OPD NH16-10; thence south along the east boundary of OPD's NH16-10, NG16-01, NG16-04, and NG16-07 to the intersection with the Limit of Protraction; thence westerly along the Limit of Protraction to 25°41'56.52" N latitude, 88°23'05.54" W longitude (point GM.E-3 of the U.S.- Mexico Maritime Boundary<sup>14</sup>); thence west along the U.S.- Mexico Maritime Boundary through OPD's NG16-07 and NG15-09 to 25°42'13.05" N latitude, 91°05'24.89" W longitude (point GM.E-1 of U.S.- Mexico Maritime Boundary/Boundary Point 1 of the U.S.- Mexico Continental Shelf Boundary<sup>15</sup>); thence westerly along the U.S.- Mexico Continental Shelf Boundary<sup>16</sup> to the intersection with X=1,995,840.00 (UTM zone 15); thence north along the west boundary of OPD's NG15-09, NG15-06, and NG15-03 to the intersection with the south boundary of block 205 of LA3C (LA-MAP No. 3C); thence west along the south boundary of LA3C (LA-MAP No. 3C) to the intersection with the east boundary of block 413 of LA3B (LA-MAP No. 3B); thence south along the east boundary of block 413 to the southeast corner of block 413; thence west along the south boundary to the southwest corner of block 413; thence north along the west boundary of block 413 to the corner of blocks 400, 401, and 413; thence along the south boundary of LA3B (LA-MAP No. 3B) to the corner of blocks 403, 404, and 412 of LA3B (LA-MAP No. 3B); thence south along the east boundary of block 412 to the southeast corner of block 412; thence west along the south boundary of LA3B (LA-MAP No. 3B) to the southwest corner of block 411; thence north along the west boundary of block 411 to the corner of blocks 405, 406, and 411; thence west along the south boundary of LA3B (LA-MAP No. 3B) to the intersection with the east boundary of block 379 of LA2A (LA-MAP No. 2A); thence south along the east boundary of block 379 to the southeast corner of 379; thence west along the south boundary of LA2A (LA-MAP No. 2A) to the corner of blocks 372, 373, and 380 of LA2A (LA-MAP No. 2A); thence south along the east boundary of block 380 to the southeast corner of block 380; thence west along the south boundary of LA2A (LA-MAP No. 2A) to the southwest corner of block 381; thence north along the west boundary of block 381 to the intersection with the southeast corner of block 644 of LA1B (LA-MAP No. 1B); thence west

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<sup>14</sup>As defined by the treaty on Maritime Boundaries Between the United States of America and the United Mexican States signed May 4, 1978, and entered into force November 13, 1997.

<sup>15</sup>As defined in Article I of the "Treaty between the Government of the United States of America and the Government of the United Mexican States on the Delimitation of the Continental Shelf in the Western Gulf of Mexico beyond 200 Nautical Miles," signed June 9, 2000, which entered into force January 17, 2001.

<sup>16</sup>The 1.4 nautical mile wide area between the U.S.- Mexico Continental Shelf Article IV "Area" Limit (as described in the treaty dated June 9, 2000, cited above) and the U.S.- Mexico Continental Shelf Boundary is excluded from leasing consideration in the CGM and WGM Planning Areas until at least 10 years following the date the treaty entered into force.

along the south boundary of LA1B (LA-MAP No. 1B) to the corner of blocks 647, 648, and 659 of LA1B (LA-MAP No. 1B); thence south along the east boundary of block 659 to the southeast corner of block 659; thence west along the south boundary of LA1B (LA-MAP No. 1B) to the corner of blocks 657, 658, and 660 of LA1B (LA-MAP No. 1B); thence south along the east boundary of block 660 to the southeast corner of block 660; thence west along the south boundary of LA1B (LA-MAP No. 1B) to the southwest corner of block 663 of LA1B (LA-MAP No. 1B); thence northwesterly along the west boundary of LA1B (LA-MAP No. 1B), LA1A (LA-MAP No. 1A), and LA12 (LA-MAP No. 12) to the corner of block 157, LA1A (LA-MAP No. 1A) and block 44, TX8 (TEX-MAP No. 8);<sup>17</sup> thence east along the north boundary of block 157 to the southwest corner of block 16, LA12 (LA-MAP No. 12); thence northerly along the west boundary of LA12 (LA-MAP No. 12) to the intersection with the SLA limit; thence easterly along the SLA limit to the point of origin.

## **Western Gulf of Mexico (WGM) NAD 27**

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From the intersection of the SLA limit<sup>18</sup> and the U.S.- Mexico Maritime Boundary east along the U.S.- Mexico Maritime Boundary through OPD NG14-06, TX1A (TEX-MAP No.1A), NG15-04 and NG15-05, to 25°59'48.28" N latitude, 93°26'42.19" W longitude (point GM.W-4 of the U.S.- Mexico Maritime Boundary/Boundary Point 16 of the U.S.- Mexico Continental Shelf Boundary<sup>19</sup>); thence along the U.S.- Mexico Continental Shelf Boundary<sup>20</sup> to the intersection with the east boundary of NG15-08; thence north along the east boundary of OPD's NG15-08, NG15-05, and NG15-02 to the intersection with the south boundary of block 205 LA3C (LA-MAP No. 3C); thence west along the south boundary of LA3C (LA-MAP No. 3C) to the intersection with the east boundary of block 413 LA3B (LA-MAP No. 3B); thence south along the east boundary of block 413 to the southeast corner of block 413; thence west along the south boundary to the southwest corner of block 413; thence north along the west boundary to the corner of blocks 400, 401, and 413; thence along the south boundary of LA3B (LA-MAP No. 3B) to the corner of blocks 403, 404, and 412; thence south along the east boundary of block 412 to the southeast corner of block 412; thence west along the south boundary of LA3B (LA-MAP No. 3B) to the southwest corner of block 411; thence north along the west boundary of block 411 to the corner of blocks 405, 406, and 411; thence west along the south boundary of LA3B (LA-MAP No. 3B) to the intersection with the east boundary of block 379 LA2A (LA-MAP No. 2A); thence south along the east

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<sup>17</sup>These designations refer to the Texas leasing maps based on the State plane coordinate system. References to Texas leasing maps will be preceded by "TX\_\_ (TEX-MAP No.\_\_)" in these descriptions. "TX\_\_" is the current MMS numbering scheme for Texas leasing maps, and "(TEX-MAP No. \_\_)" is a cross-reference to the former numbering scheme.

<sup>18</sup>Supreme Court of the United States, No. 9 Original, October Term 1968.

<sup>19</sup>As defined in Article I of the "Treaty between the Government of the United States of America and the Government of the United Mexican States on the Delimitation of the Continental Shelf in the Western Gulf of Mexico beyond 200 Nautical Miles," signed June 9, 2000, which entered into force January 17, 2001.

<sup>20</sup>The 1.4 nautical mile wide area between the U.S.- Mexico Continental Shelf Article IV "Area" Limit (as described in the treaty dated June 9, 2000, cited above) and the U.S.- Mexico Continental Shelf Boundary is excluded from leasing consideration in the CGM and WGM Planning Areas until at least 10 years following the date the treaty entered into force.

boundary of block 379 to the southeast corner of 379; thence west along the south boundary of LA2A (LA-MAP No. 2A) to the corner of blocks 372, 373, and 380; thence south along the east boundary of block 380 to the southeast corner of block 380; thence west along the south boundary of LA2A (LA-MAP No. 2A) to the southwest corner of block 381; thence north along the west boundary of block 381 to the southeast corner of block 644 LA1B (LA-MAP No. 1B); thence west along the south boundary of LA1B (LA-MAP No. 1B) to the corner of blocks 647, 648, and 659; thence along the east boundary of block 659 to the southeast corner of block 659; thence west along the south boundary of LA1B (LA-MAP No. 1B) to the corner of blocks 657, 658, and 660; thence south along the east boundary to the southeast corner of block 660; thence west along the south boundary of LA1B (LA-MAP No. 1B) to the southwest corner of block 663; thence northwesterly along the east boundary of TX7C (TEX-MAP No. 7C) and TX7A (TEX-MAP No. 7A) to the corner of block 44 of TX8 (TEX-MAP No. 8) and block 157 of LA1A (LA-MAP No. 1A); thence east along the south boundary of block 44 to the southeast corner of block 44; thence northerly along the east boundary of TX8 (TEX-MAP No. 8) to the intersection with the SLA limit; thence southwesterly along the SLA limit to the point of origin.

## **Southern California (SOC) NAD 83**

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From the intersection of the SLA limit with the U.S.- Mexico Maritime Boundary westerly along U.S.- Mexico Maritime Boundary through OPD NI11-11 to 32°35'22.299" N latitude, 117°27'52.572" W longitude (point OP-1 of U.S.- Mexico Maritime Boundary in the Pacific Ocean<sup>21</sup>); thence westerly along U.S.- Mexico Maritime Boundary through OPD NI11-11 to 32°37'37.173" N latitude, 117°49'34.193" W longitude (point OP-2 of the U.S.- Mexico Maritime Boundary); thence southwesterly along the U.S.- Mexico Maritime Boundary through OPD's NI11-11, NI11-10, and NH11-01 to 31°07'58.287" N latitude, 118°36'21.172" W longitude (point OP-3 of the U.S.- Mexico Maritime Boundary); thence westerly along U.S.- Mexico Maritime Boundary through OPD's NH11-01, NH11-04, and NH10-06 to the intersection with the Limit of Protraction line at 30°32'31.477" N latitude, 121°52'01.775" W longitude (point OP-4 of the U.S.- Mexico Maritime Boundary); thence southwesterly along the Limit of Protraction line through OPD's NH10-06 and NH10-05 to the west boundary of OPD NH10-05; thence north along the west boundary of OPD's NH10-05 and NH10-02 to the corner of OPD's NH10-02, NI10-11, and NI10-10; thence west along the south boundary of OPD NI10-10 to the southwest corner of OPD NI10-10; thence north along the west boundary of OPD's NI10-10, NI10-07, and NI10-04 to the corner of OPD's NI10-04, NI10-01, and NI09-03; thence west along the south boundary of OPD NI09-03 to the southwest corner of OPD NI09-03; thence north along the west boundary of OPD NI09-03 to the intersection with Y=3,960,000 (UTM zone 9), OPD NI09-03; thence grid east through OPD's NI09-03, NI10-01, NI10-02, and NI10-03 to the intersection with the SLA limit; thence southerly along the SLA limit to the point of origin.

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<sup>21</sup>As noted in the Treaty on Maritime Boundaries Between the United States of America and the United Mexican States signed May 4, 1978, and entered into force November 13, 1997.



## Central California (CEC) NAD 83

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From the intersection of the SLA limit with Y=3,960,000 (UTM zone 10), OPD NI10-03, grid west through OPD's NI10-03, NI10-02, NI10-01, and NI09-03 to the west boundary of OPD NI09-03; thence north along the west boundary of OPD's NI09-03, NJ09-12, and NJ09-09 to the corner of OPD's NJ09-09, NJ09-06, and NJ09-05; thence west along the south boundary of OPD NJ09-05 to the southwest corner of OPD NJ09-05; thence north along the west boundary of OPD NJ09-05 to the intersection with Y=4,291,200 (UTM zone 9), OPD NJ09-05; thence grid east through OPD's NJ09-05, NJ09-06, NJ10-04, and NJ10-05 to the intersection with the SLA limit; thence southerly along the SLA limit to the point of origin.

## Northern California (NOC) NAD 83

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From the intersection of the SLA limit with Y=4,291,200 (UTM zone 10), OPD NJ10-05, grid west through OPD's NJ10-05, NJ10-04, NJ09-06, and NJ09-05 to the intersection with the west boundary of OPD NJ09-05; thence north along the west boundary of OPD's NJ09-05, NJ09-02, NK09-11, and NK09-08 to the northwest corner of OPD NK09-08; thence east along the north boundary of OPD's NK09-08, NK09-09, and NK10-07 to the intersection with the SLA limit; thence southerly along the SLA limit to the point of origin.

## Washington-Oregon (WAO) NAD 83

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From the intersection of the SLA limit with the south boundary of OPD NK10-04 west along the south boundary of OPD's NK10-04, NK09-06, and NH09-05 to the intersection with the southwest corner of OPD NH09-05; thence north along the west boundary of OPD's NK09-05, NK09-02, NL09-11, NL09-08, and NL09-05 to the intersection with the Limit of Protraction line, OPD NL09-05; thence east along the Limit of Protraction to the intersection with the EEZ limit<sup>22</sup> on OPD NL09-05; thence northeasterly along the EEZ limit through OPD's NL09-05, NL09-02, NL09-03, NM09-08, and NM10-07 to the intersection with X=370,400 (UTM zone 10), OPD NM10-07; thence grid south to the SLA limit; thence southerly along the SLA limit through OPD's NM10-07, NL10-01, NL10-04, NL10-05, NL10-08, NL10-11, NL10-10, NK10-01, and NK10-04 to the point of origin.

## Beaufort Sea (BFT) NAD 83

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From the intersection of the SLA limit with the EEZ limit on OPD NR07-06 northeasterly along the EEZ limit through OPD's NR07-06, NR07-04, NR07-02, NS07-08, and NS08-07 to 72°56'48.846" N latitude, 137°34'18.337" W longitude (point 21 of the EEZ limit<sup>23</sup>) on OPD

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<sup>22</sup>As defined in 42 FR 12938, March 7, 1977, for the U.S. Pacific Coast (Washington, Oregon, and California).

<sup>23</sup>As defined in 42 FR 12938, March 7, 1977, for Alaska.

NS08-07; thence grid north along the Limit of Protraction line through OPD's NS08-07 and NS08-05 to the north boundary of OPD NS08-05; thence west along the north boundary of OPD's NS08-05, NS07-06, NS07-05, and NS06-06 to the corner of OPD's NS06-06, NS06-05, and NS06-03; thence north along the east boundary of OPD NS06-03 to the northeast corner of OPD NS06-03; thence west along the north boundary of OPD's NS06-03, NS05-04, and NS05-03 to the northwest corner of OPD NS05-03; thence south along the west boundary of OPD's NS05-03, NS05-05, NS05-07, and NR05-01 to the intersection with the SLA limit on OPD NR05-01; thence easterly along the SLA limit through OPD's NR05-01, NR05-03, NR05-04, NR06-03, NR06-04, NR07-03, NR07-05, and NR07-06 to the point of origin.

## **Chukchi Sea (CHU) NAD 83**

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From the intersection of the SLA limit with the east boundary of OPD NR04-02 north along the east boundary of OPD's NR04-02, NS04-08, NS04-06, and NS04-04 to the northeast corner of OPD NS04-04; thence west along the north boundary of OPD's NS04-04, NS04-03, NS03-04, NS03-03, and NS02-04 to the intersection of the north boundary of OPD NS02-04 with longitude 168°58'37" W (WGS 84<sup>24</sup>), the northern extension of the U.S.-Russia Provisional Maritime Boundary;<sup>25</sup> thence south along the northern extension of the U.S.-Russia Provisional Maritime Boundary through OPD's NS02-04, NS02-06, NS02-08, NR02-02, NR02-04, NR02-06, and NR02-08 to the intersection of the U.S.-Russia Provisional Maritime Boundary with Y=7,579,200 (UTM zone 2), OPD NR02-08; thence grid east through OPD's NR02-08 and NR03-07 to the intersection with the SLA limit on OPD NR03-07; thence northeasterly along the SLA limit through OPD's NR03-07, NR03-08, NR03-06, NR03-04, NR04-03, NR04-04, and NR04-02 to the point of origin.

## **Hope Basin (HOP) NAD 83**

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From the intersection of the SLA limit with Y=7,579,200 (UTM zone 3), OPD NR03-07, grid west through OPD's NR03-07 and NR02-08 to the intersection with Y=7,579,200 (UTM zone 2), OPD NR02-08, and longitude 168°58'37" W (WGS 84), the northern extension of the U.S.-Russia Provisional Maritime Boundary; thence south along the northern extension of the U.S.-Russia Provisional Maritime Boundary through OPD's NR02-08, NQ02-02, NQ02-04, and NQ02-06 to the intersection of the northern extension of the U.S.-Russia Provisional Maritime Boundary and Y=7,281,600 (UTM zone 2), OPD NQ02-06; thence grid east to the

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<sup>24</sup>Coordinates defining the U.S.-Russia Provisional Maritime Boundary are based on the World Geodetic System of 1984 (WGS 84). The MMS considers WGS 84 equivalent to the North American Datum of 1983 (NAD 83) (57 FR 5168, February 12, 1992).

<sup>25</sup>The "Agreement Between the United States of America and the [former] Union of Soviet Socialist Republics on the Maritime Boundary" was signed June 1, 1990, by James W. Baker III for the U.S. and Eduard Shevardnadze for the U.S.S.R. The treaty was ratified by the U.S. Senate September 16, 1991; to date, it has not been ratified by the Russian Government. For convenience, this document is referred to as the "Agreement" in these planning area descriptions.

intersection with the SLA limit west of Fairway Rock; thence northerly and easterly along the SLA limit to the intersection with Y=7,281,600 (UTM zone 2), OPD NQ02-06; thence grid east to the intersection with the SLA limit on OPD NQ02-06; thence along the SLA limit through OPD's NQ02-06, NQ03-05, NQ03-03, NQ03-04, NQ04-03, NQ03-02, NQ03-01, and NR03-07 to the point of origin.

## **Norton Basin (NOR) NAD 83**

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From the intersection of the SLA limit with Y=7,281,600 (UTM zone 2), OPD NQ02-06, grid west to the intersection with the SLA limit east of Fairway Rock on OPD NQ02-06; thence southerly and westerly along the SLA limit to the intersection with Y=7,281,600 (UTM zone 2), OPD NQ02-06; thence grid west to the intersection with longitude 168°58'37" W (WGS 84), the northern extension of the U.S.-Russia Provisional Maritime Boundary; thence south along the northern extension of the U.S.-Russia Provisional Maritime Boundary to the U.S.-Russia Provisional Maritime Boundary initial point at latitude 65°30' N and longitude 168°58'37" W (WGS 84); thence southwestward along the U.S.-Russia Provisional Maritime Boundary as described in the Agreement through OPD's NQ02-06, NQ02-08, NQ02-07, NP02-01, and NP01-02 to the intersection with the south boundary of OPD NP01-02; thence east along the south boundary of OPD's NP01-02, NP02-01, and NP02-02 to the SLA limit west of St. Lawrence Island; thence along the SLA limit northwesterly, southeasterly, and southerly through OPD's NP02-02 and NP02-01 to the intersection with the south boundary of OPD NP02-02 east of St. Lawrence Island; thence east along the south boundary of OPD's NP02-02, NP03-01, and NP03-02 to the intersection with the SLA limit on OPD NP03-02; thence along the SLA limit through OPD's NP03-02, NP04-01, NQ04-07, NQ03-08, NQ03-07, NQ03-05, and NQ02-06 to the point of origin.

## **Navarin Basin (NAV) NAD 83**

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From the corner of OPD's NP01-04, NP02-03 (MAT), NP02-01 (NOR), and NP01-02 (NOR), west along the north boundary of OPD NP01-04 to the intersection with the U.S.-Russia Provisional Maritime Boundary as described in the Agreement; thence southwestward along the U.S.-Russia Provisional Maritime Boundary through OPD's NP01-04, NP01-06, NP01-05, NP01-07, and NO01-01 to the intersection with the west boundary of OPD NO01-01; thence south along the west boundary of OPD's NO01-01 and NO01-03 to the corner of OPD's NO01-03, NO60-04 (ALB), NO60-06 (ALB), and NO01-05 (ALB); thence east along the south boundary of OPD's NO01-03 and NO01-04 to the corner of OPD's NO01-04, NO01-06 (ALB), NO02-05 (GEO), and NO02-03 (GEO); thence north along the east boundary of OPD's NO01-04, NO01-02, NP01-08, NP01-06, and NP01-04 to the point of origin.<sup>26</sup>

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<sup>26</sup>Previous Navarin Basin planning area descriptions used the U.S.-Russia 1867 Convention Line for the western boundary. With the U.S. adoption of the U.S.-Russia Provisional Maritime Boundary, the boundary between the former Union of the Soviet Socialist Republics and the U.S. changed, eliminating OPD NP01-03 from the planning area.

## **St. Matthew-Hall (MAT) NAD 83**

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From the intersection of the SLA limit with the north boundary of OPD NP03-04 west along the north boundary of OPD's NP03-04, NP03-03, and NP02-04 to the intersection with the SLA limit east of St. Lawrence Island; thence southerly and westerly along the SLA limit to the intersection with the north boundary of OPD NP02-04 west of St. Lawrence Island; thence west along the north boundary of OPD's NP02-04 and NP02-03 to the corner of OPD's NP02-03, NP02-01 (NOR), NP01-02 (NOR), and NP01-04 (NAV); thence south along the west boundary of OPD's NP02-03, NP02-05, NP02-07, and NO02-01 to the corner of OPD's NO02-01, NO01-02 (NAV), NO01-04 (NAV), and NO02-03 (GEO); thence east along the south boundary of OPD's NO02-01, NO02-02, NO03-01, NO03-02, and NO04-01 to the intersection with the SLA limit on OPD NO04-01; thence northerly and westerly along the SLA limit through OPD's NO04-01, NO03-02, NP03-08, NP03-07, NP03-05, NP03-03, and NP03-04 to the point of origin.

## **St. George Basin (GEO) NAD 83**

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From the intersection of the SLA limit with the east boundary of OPD NN03-03 north of Tigalda Island north along the east boundary of OPD NN03-03 to the intersection with the SLA limit west of Unimak Island; thence northerly along the SLA limit to the intersection with the east boundary of OPD NN03-03; thence north along the east boundary of OPD's NN03-03, NN03-01, NO03-07, NO03-05, and NO03-03 to the corner of OPD's NO03-03, NN03-04 (NAL), NO03-02 (MAT), and NO03-01 (MAT); thence west along the north boundary of OPD's NO03-03, NO02-04, and NO02-03 to the corner of OPD's NO02-03, NO02-01 (MAT), NO01-02 (NAV), and NO01-04 (NAV); thence south along the west boundary of OPD's NO02-03, NO02-05, and NO02-07 to the corner of OPD's NO02-07, NO01-08 (ALB), NN01-02 (BOW), and NN02-01 (BOW); thence east along the south boundary of OPD NO02-07 to the corner of OPD's NO02-07, NN02-01 (BOW), NN02-02, and NO02-08; thence south along the west boundary of OPD's NN02-02, NN02-04, NN02-06, and NN02-08 to the intersection with Y=5,822,400 (UTM zone 2), OPD NN02-08; thence grid east to the intersection with the SLA limit west of Yunaska Island; thence northeasterly along the SLA limit to the intersection with Y=5,836,800 (UTM zone 2), OPD NN02-08, northeast of Yunaska Island; thence grid east to the intersection with X=543,200 (UTM zone 2), OPD NN02-08; thence grid north to the intersection with Y=5,841,600 (UTM zone 2), OPD NN02-08; thence grid east to the intersection with the SLA limit west of Herbert Island; thence northeasterly and southerly along the SLA limit through OPD's NN02-08 and NN02-06 to the intersection with Y=5,846,400 (UTM zone 2), OPD NN02-08, southeast of Chuginadak Island; thence grid east to the intersection of the SLA limit southwest of Samalga Island; thence northeasterly along the SLA limit through OPD's NN02-08, NN02-06, NN03-05, and NN03-03 to the point of origin.

## **North Aleutian Basin (NAL) NAD 83**

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From the intersection of the west boundary of OPD NN03-04 with the SLA limit northwest of Cape Sarichef northeasterly and northwesterly along the SLA limit through OPD's NN03-04, NN03-02, NN04-01, NO04-07, NO04-08, NO04-06, NO04-04, NO04-03, NO04-01, and NO03-04 to the intersection with north boundary of OPD NO04-03 northeast of Cape Newenham; thence west along the north boundary of OPD's NO04-03 and NO03-04 to the corner of OPD's NO03-04, NO03-02 (MAT), NO03-01 (MAT), and NO03-03 (GEO); thence south along the west boundary of OPD's NO03-04, NO03-06, NO03-08, NN03-02, and NN03-04 to the point of origin.

## **Shumagin (SHU) NAD 83**

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From the intersection of the north boundary of OPD NO04-08 with the SLA limit southwesterly along the SLA limit through OPD's NO04-08, NN04-02, NN04-01, NN04-03, NN03-02, and NN03-04 to the intersection of the west boundary of OPD NN03-04; thence south along the west boundary of OPD NN03-04 to the intersection with the SLA limit north of Tigalda Island; thence northeasterly and southwesterly along the SLA limit to the intersection with the west boundary of OPD NN03-04; thence south along the west boundary of OPD's NN03-04, NN03-06, NN03-08, NM03-02, and NM03-04 to the corner of OPD's NM03-04, NM03-03 (ALA), and NM03-05 (ALA); thence east along the south boundary of OPD's NM03-04 and NM04-03 to southeast corner of OPD NM04-03; thence north along the east boundary of OPD NM04-03 to the corner of OPD's NM04-03, NM04-02, and NM04-01; thence east along the south boundary of OPD NM04-02 to the southeast corner of OPD NM04-02; thence north along the east boundary of OPD's NM04-02, NN04-08, NN04-06, NN04-04, NN04-02, and NO04-08 to the corner of OPD's NO04-08, NO05-07 (KOD), NO05-05 (COK), and NO04-06 (COK); thence west along the north boundary of OPD NO04-08 to the point of origin.

## **Cook Inlet (COK) NAD 83**

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From the intersection of the south boundary of OPD NO05-05 with the SLA limit west of Kodiak Island, northeasterly along the SLA limit on the east side of Shelikof Strait through OPD's NO05-05, NO05-03, and NO05-04 to the intersection with X=533,600 (UTM zone 5), OPD NO05-04; thence grid north to the intersection with the SLA limit on OPD NO05-04 southwest of Ushagat Island; thence northerly and southerly along the SLA limit through OPD's NO05-04 and NO05-02 to the intersection with X=562,400 (UTM zone 5), OPD NO05-04; thence grid north through OPD's NO05-04 and NO05-02 to the intersection with the SLA limit on OPD NO05-02 southwest of the Chugach Islands; thence northerly along the SLA limit on the east side of Cook Inlet to the intersection with the SLA limit on the west side of Cook Inlet on OPD NP05-08; thence southerly along the SLA limit on the west side of Cook Inlet and Shelikof Strait through OPD's NP05-08, NO05-02, NO05-01, NO05-03, NO05-05, and NO04-06 to the intersection of the south boundary of OPD NO04-06; thence east along the south boundary of OPD's NO04-06 and NO05-05 to the point of origin.

## Kodiak (KOD) NAD 83

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From the intersection of the north boundary of OPD NO05-04 with X=562,400 (UTM zone 5), OPD NO05-04, grid south to the intersection with the SLA limit northeast of East Amatuli Island on OPD NO05-04; thence southerly along the SLA limit to the intersection with X=533,600 (UTM zone 5), OPD NO05-04; thence grid south to the intersection with the SLA limit northeast of Latax Rocks on OPD NO05-04; thence southerly, westerly, and northerly along the SLA limit through OPD's NO05-04, NO05-06, NO05-05, and NO05-07 to the intersection with the north boundary of OPD NO05-07 west of Kodiak Island; thence west along the north boundary of OPD NO05-07 to the corner of OPD's NO05-07, NO05-05 (COK), NO04-06 (COK), and NO04-08 (SHU); thence south along the west boundary of OPD's NO05-07, NN05-01, NN05-03, NN05-05, and NN05-07 to the corner of OPD's NN05-07, NN04-08 (SHU), and NM04-02 (SHU); thence east along the south boundary of OPD's NN05-07 and NN05-08 to the southeast corner of OPD NN05-08; thence north along the east boundary of OPD NN05-08 to the corner of OPD's NN05-08, NN05-06, and NN06-05; thence east along the south boundary of OPD NN06-05 to the southeast corner of NN06-05; thence north along the east boundary of OPD's NN06-05, NN06-03, NN06-01, NO06-07, and NO06-05 to the corner of OPD's NO06-05, NO06-06 (GOA), NO06-04 (GOA), and NO06-03; thence west along the north boundary of OPD NO06-05 to the intersection with X=442,400 (UTM zone 6), OPD NO06-03; thence grid north to the intersection with the north boundary of OPD NO06-03; thence west along the north boundary of OPD's NO06-03 and NO05-04 to the point of origin.

## Gulf of Alaska (GOA) NAD 83

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From the intersection of the SLA limit with X=562,400 (UTM zone 5), OPD NO05-02, grid south through OPD NO05-02 to the south boundary of NO05-02; thence east along the south boundary of OPD's NO05-02 and NO06-01 to X=442,400 (UTM zone 6), OPD NO06-01; thence grid south along X=442,400 (UTM zone 6) through OPD NO06-03 to the south boundary of OPD NO06-03; thence east along the south boundary of OPD NO06-03 to the corner of OPD's NO06-03, NO06-05 (KOD), NO06-06, and NO06-04; thence south along the west boundary of OPD's NO06-06, NO06-08, and NN06-02 to the corner of OPD's NN06-02, NN06-01 (KOD), and NN06-03 (KOD); thence east along the south boundary of OPD's NN06-02 and NN07-01 to the corner of OPD's NN07-01, NN07-04, and NN07-02; thence south along the west boundary of OPD's NN07-04 and NN07-06 to the intersection with the Limit of Protraction line, OPD NN07-06; thence northeasterly through OPD NN07-06 along the Limit of Protraction line to the intersection with the EEZ limit at 53°28'25.365" N latitude, 138°45'25.474" W longitude (point 88 of the EEZ limit<sup>27</sup>), OPD NN07-06; thence northeasterly along the EEZ limit through OPD's NN07-06, NN08-05, NN08-03, NN08-04, and NN09-03 to the intersection with the SLA limit between EEZ limit Points 138 and 139;

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<sup>27</sup>NAD 27 coordinates as defined in 60 FR 43825, August 23, 1995, for Alaska, and transformed to NAD 83 using NADCON version 2.10.

thence northerly along the SLA limit through OPD's NN09-03, NN09-01, NN08-04, NN08-02, NO08-08, NO08-07, NO08-05, NO08-03, NO07-04, NO07-02, NO07-01, NP07-07, NO06-02, NP06-08, NP06-07, NO06-01, and NO05-02 to the point of origin, including those SLA enclaves and submerged OCS lands within the waters of the Alexander Archipelago.<sup>28</sup>

### **Aleutian Basin (ALB) NAD 83**

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From the corner of OPD's NO01-06, NO02-05 (GEO), NO02-03 (GEO), and NO01-04 (NAV) west along the north boundary of OPD's NO01-06 and NO01-05 to the corner of OPD's NO01-05, NO01-03 (NAV), NO60-04, and NO60-06; thence north along the east boundary of OPD's NO60-04 and NO60-02 to the intersection with the U.S.-Russia Provisional Maritime Boundary as described in the Agreement; thence southwesterly along the U.S.-Russia Provisional Maritime Boundary through OPD's NO60-02, NO60-04, NO60-03, NO60-05, NO60-07, and NO59-08 to the intersection with the south boundary of OPD NO59-08; thence east along the south boundary of OPD's NO59-08, NO60-07, NO60-08, NO01-07, and NO01-08 to the corner of OPD's NO01-08, NN01-02 (BOW), NN02-01 (BOW), and NO02-07 (GEO); thence north along the east boundary of OPD's NO01-08 and NO01-06 to the point of origin.

### **Bowers Basin (BOW) NAD 83**

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From the corner of OPD's NN02-01, NN02-02 (GEO), NO02-08 (GEO), and NO02-07 (GEO) west along the north boundary of OPD's NN02-01, NN01-02, NN01-01, NN60-02, NN60-01, and NN59-02 to the intersection with the U.S.-Russia Provisional Maritime Boundary as described in the Agreement; thence southwesterly along the U.S.-Russia Provisional Maritime Boundary through OPD's NN59-02, NN59-04, and NN59-03 to the intersection with the south boundary of OPD NN59-03; thence east along the south boundary of OPD's NN59-03 and NN59-04 to the corner of OPD's NN59-04, NN59-06 (ALA), NN60-05, and NN60-03; thence south along the west boundary of OPD NN60-05 to the corner of OPD's NN60-05, NN59-06 (ALA), NN59-08 (ALA), NN60-07 (ALA); thence east along the south boundary of OPD's NN60-05, NN60-06, NN01-05, NN01-06, and NN02-05 to the corner of OPD's NN02-05, NN02-07 (ALA), NN02-08 (GEO), and NN02-06 (GEO); thence north along the east boundary of OPD's NN02-05, NN02-03, and NN02-01 to the point of origin.

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<sup>28</sup>These enclaves and portions of the submerged OCS lands may be subject to resolution of U.S. Supreme Court case No. 128 Original.

## Aleutian Arc (ALA) NAD 83

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From the intersection of the east boundary of OPD NN03-03 with the SLA limit south of Tigalda Island southwesterly along the SLA limit through OPD's NN03-03, NN03-05, NN02-06, and NN02-08 to the intersection with Y=5,846,400 (UTM zone 2), OPD NN02-08, southwest of Samalga Island; thence grid west to the intersection with the SLA limit; thence southwesterly along the SLA limit to the intersection with Y=5,841,600 (UTM zone 2), OPD NN02-08, southwest of Herbert Island; thence grid west to the intersection with X=543,200 (UTM zone 2), OPD NN02-08; thence grid south to the intersection with Y=5,836,800 (UTM zone 2), OPD NN02-08; thence grid west to the intersection with the SLA limit; thence southwesterly along the SLA limit to the intersection with Y=5,822,400 (UTM zone 2), OPD NN02-08, west of Yunaska Island; thence grid west through OPD NN02-08 to the intersection with the east boundary of OPD NN02-07; thence north along the east boundary of OPD NN02-07 to the corner of OPD's NN02-07, NN02-08 (GEO), NN02-06 (GEO), and NN02-05 (BOW); thence west along the north boundary of OPD's NN02-07, NN01-08, NN01-07, NN60-08, and NN60-07 to the corner of OPD's NN60-07, NN60-05 (BOW), NN59-06, and NN59-08; thence north along the east boundary of OPD NN59-06 to the corner of OPD's NN59-06, NN60-05 (BOW), NN60-03 (BOW), and NN59-04 (BOW); thence west along the north boundary of OPD's NN59-06 and NN59-05 to the intersection with the U.S.-Russia Provisional Maritime Boundary as described in the Agreement; thence southwesterly along the U.S.-Russia Provisional Maritime Boundary through OPD's NN59-05, NN59-07, NM59-01, NM58-02, and NM58-04 to U.S.-Russia Provisional Maritime Boundary Point No. 87 on OPD NM58-04 as described in the Agreement as latitude 50°58'39" N and longitude 167°00'00" W (WGS 84); thence south along the Limit of Protraction line through OPD NM58-04 to the intersection with the south boundary of OPD NM58-04; thence east along the south boundary of OPD NM58-04 to the corner of OPD's NM58-04, NM59-03, and NM59-05; thence south along the west boundary of OPD NM59-05 to the southwest corner of OPD NM59-05; thence east along the south boundary of OPD's NM59-05 and NM59-06 to the corner of OPD's NM59-06, NM60-05, and NM60-07; thence south along the west boundary of OPD NM60-07 to the southwest corner of OPD NM60-07; thence east along the south boundary of OPD's NM60-07 and NM60-08 to the intersection with the west boundary of OPD NL60-03; thence south along the west boundary of OPD NL60-03 to the southwest corner of OPD NL60-03; thence east along the south boundary of OPD's NL60-03 and NL01-01 to the southeast corner of OPD NL01-01; thence north along the east boundary of OPD NL01-01 to the intersection with the south boundary OPD NM01-07; thence east along the south boundary of OPD's NM01-07, NM01-08, NM02-07, and NM02-08 to the southeast corner of OPD NM02-08; thence north along the east boundary of OPD NM02-08 to the corner of OPD's NM02-08, NM02-06, and NM03-05; thence east along the south boundary of OPD NM03-05 to the southeast corner of OPD NM03-05; thence north along the east boundary of OPD's NM03-05, NM03-03, NM03-01, NN03-07, NN03-05, and NN03-03 to the point of origin.





### The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



### The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.