



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Alaska State Office
222 West Seventh Avenue, #13
Anchorage, Alaska 99513-7504
www.blm.gov/alaska

Dear Reader:

The enclosed Errata Sheet documents minor corrections to the text of the Final Environmental Impact Statement (EIS) for the National Petroleum Reserve in Alaska Integrated Activity Plan (IAP) that was publicly released on June 26, 2020. These corrections reflect errors that were discovered after the release of the Final EIS. We have utilized "tracked changes" (red text additions and green text crossed-out deletions) for the changes where we felt it would assist the reader to more easily identify the corrections. There are no changes or significant new circumstances or information identified in this Errata Sheet that affect the impact conclusions in the Final EIS.

In the Final EIS, an error was identified in Table 2-1 for the acreage available for leasing and infrastructure under Alternative E. Correcting this error required updates throughout the text of the EIS wherever acreage available for leasing and infrastructure under Alternative E was referenced. These changes are denoted with an asterisk (*) in the errata sheet.

This Errata Sheet is part of the administrative record for the National Petroleum Reserve in Alaska IAP Final EIS. These corrections will be posted on the BLM-Alaska website at www.blm.gov/alaska.

For additional information or clarification regarding the attached Errata Sheet, please contact Stephanie Rice, Project Lead, at (907) 271-3202.

Sincerely,

Chad B. Padgett
State Director

Attachment: Errata Sheet

ATTACHMENT: ERRATA SHEET

In the Final EIS, an error was identified in Table 2-1 for the acreage available for leasing and infrastructure under Alternative E. Correcting this error required updates throughout the text of the EIS wherever acreage available for leasing and infrastructure under Alternative E were referenced. These changes are denoted with an asterisk (*) in the errata sheet.

Below are all the changes to the National Petroleum Reserve in Alaska Integrated Activity Plan Final Environmental Impact Statement:

INTRODUCTION

**Abstract, second paragraph*

The NPR-A IAP/EIS considers four action alternatives and the No Action Alternative (Alternative A). Alternative A would continue current management as approved in the February 2013 NPR-A IAP Record of Decision, and approximately 52 percent (11.8 million acres) of the NPR-A’s subsurface estate would be open to oil and gas leasing. Alternative B is similar to Alternative A, but would increase the land set aside for conservation, and the area open to leasing would decrease to approximately 10.9 million acres (48 percent of the NPR-A’s subsurface estate). Alternative C would increase the total number of acres open to leasing, compared with Alternative A, to approximately 17.3 million acres (76 percent of the NPR-A’s subsurface estate). Alternative D would make more land open to leasing (approximately 18.6 million acres, or 82 percent of the NPR-A’s subsurface estate), and the area closed to new infrastructure would decrease to approximately 4.4 million acres. Alternative E ~~would make~~ **would open** the **same amount of most** land **as Alternative D** ~~open~~ to leasing (approximately ~~18.7~~ **18.6** million acres, or 82 percent of the NPR-A’s subsurface estate).

EXECUTIVE SUMMARY

**Page ES-6, second paragraph*

Alternative E (Preferred Alternative)

Alternative E ~~would make~~ **would open** the **same amount of most** land **as Alternative D** ~~open~~ to leasing (approximately ~~18.7~~ **18.6** million acres, or 82 percent of the NPR-A’s subsurface estate).

CHAPTER 2

**Pages 2-2 and 2-3, Table 2-1*

**Table 2-1
Quantitative Summary of Alternatives**

Land Allocations	Alt. A	Alt. B	Alt. C	Alt. D	Alt. E
Closed to fluid mineral leasing	10,991,000	11,854,000	5,444,000	4,173,000	4,101,000 4,173,000
Open to fluid mineral leasing	11,763,000	10,900,000	17,310,000	18,581,000	18,653,000 18,581,000
Subject to no surface occupancy	2,489,000	4,132,000	5,269,000	4,732,000	5,939,000 5,891,000

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Land Allocations	Alt. A	Alt. B	Alt. C	Alt. D	Alt. E
Unavailable, except for essential road and pipeline crossings	2,691,000	2,916,000	3,153,000	3,163,000	4,199,000 4,222,000
Available for new infrastructure	10,815,000	7,820,000	13,663,000	14,115,000	13,142,000 13,119,000
Visual Resource Management Class II	8,353,000	14,510,000	8,784,000	8,429,000	9,403,000 942,7000
Visual Resource Management Class III	5,805,000	368,000	1,498,000	1,498,000	1,174,000 1,172,000
Visual Resource Management Class IV	8,362,000	7,646,000	12,243,000	12,597,000	11,948,000 11,927,000

**Page 2-7, fifth paragraph*

Alternative E (Preferred Alternative)

Alternative E ~~would make~~ would open the same amount of ~~most~~ land as Alternative D ~~open~~ to leasing (approximately ~~18.7~~ 18.6 million acres, or 82 percent of the NPR-A's subsurface estate).

Page 2-38, Table 2-3, Stipulation K-1(f), Alternatives B and C

f. 1-mile setback from the ordinary high water mark of the following rivers:

- Alaktak River
- Chipp River
- Topagoruk River
- Meade River
- Usuktuk River
- Nigisaktuvik River
- Inaru River
- Avalik river
- Kungok River
- Kuk River (~~upstream from T12N, R32W, U.M.~~ see Stipulation K-4 for exception)
- Ketik River
- Kaolak River
- Ivisaruk River (~~upstream from T12N, R32W, U.M.~~ see Stipulation K-4 for exception)
- Utukok River
- Kokolik River
- Kugrua River

Page 2-38, Table 2-3, Stipulation K-1(f), Alternative E

f. 1-mile setback from the ordinary high water mark of the following rivers:

- Alaktak River
- Chipp River
- Topagoruk River
- Meade River
- Usuktuk River
- Nigisaktuvik River

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

- Inaru River
- Avalik river
- Kungok River
- Kuk River (~~upstream from T12N, R32W, U.M.~~ see Stipulation K-4 for exception)
- Ketik River
- Kaolak River
- Ivisaruk River (~~upstream from T12N, R32W, U.M.~~ see Stipulation K-4 for exception)
- Utukok River
- Kokolik River
- **Kugrua River**

Page 2-39, Table 2-3, Stipulation K-1(g), Alternative E

g. 0.5-mile setback from the ordinary high water mark of the following rivers:

- ~~Kugrua River~~

Pages 2-41 and 2-42, Table 2-3, Stipulation K-4, Alternative C

- NSO (Kogru River, Wainwright Inlet/Kuk, and Ivisaruk Rivers ~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-5 and Map 2-6)

Requirement Standard (2nd paragraph): The Kogru, Wainwright Inlet/Kuk, and Ivisaruk Rivers (~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-5 and Map 2-6) are available for leasing, subject to a NSO stipulation. New infrastructure would not be permitted, except for essential pipeline crossings.

Pages 2-41 and 2-42, Table 2-3, Stipulation K-4, Alternative D

- Leasing allowed under standard terms and conditions (Wainwright Inlet/Kuk and Ivisaruk Rivers [~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-7])
- New infrastructure authorized through the normal review process (Wainwright Inlet/Kuk and Ivisaruk Rivers [~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-8])

Requirement Standard (3rd paragraph): Wainwright Inlet/Kuk and Ivisaruk Rivers (~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-7) are available for leasing subject to standard terms and conditions. New infrastructure would be permitted through the normal review process.

Pages 2-41 and 2-42, Table 2-3, Stipulation K-4, Alternative E

- NSO (Kogru River, Dease Inlet, Admiralty Bay, Elson Lagoon, and Wainwright Inlet/Kuk and Ivisaruk Rivers [~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-9 and Map 2-10], and their associated islands)
- New Infrastructure authorized through the normal review process (Wainwright Inlet/Kuk and Ivisaruk Rivers [~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-10])

Requirement Standard (3rd paragraph): Wainwright Inlet/Kuk and Ivisaruk Rivers (~~downstream from T12N, R32W, U.M.~~ see Appendix A, Map 2-9 and Map 2-10) are available for leasing subject to a NSO stipulation.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

CHAPTER 3

**Page 3-6, sixth paragraph*

Alternative E (Preferred Alternative)

Alternative E ~~would make~~ would open the same amount of ~~most~~ land as Alternative D ~~open~~ to leasing and the most amount of new infrastructure. Table 3-1 and Table 3-2 present GHG emissions for the low and high scenarios. Estimated impacts for Alternative E are identical to those of Alternative D because of equivalent projected production rates.

**Page 3-20, first paragraph*

Alternative E (Preferred Alternative)

Alternative E ~~would make~~ would open the same amount of ~~most~~ land as Alternative D ~~open~~ to leasing (approximately 82 percent of the subsurface estate of NPR-A). Emissions of criteria air pollutants and HAPs under Alternative E are shown in Table 3-6.

**Page 3-34, first paragraph*

Alternative E (Preferred Alternative)

Under the preferred alternative, Alternative E, approximately ~~18.7~~ 18.6 million subsurface acres (~~6.9~~ 6.8 million more acres than under Alternative A) and 1,487,000 surface acres of high potential area (51,000 more acres than under Alternative A) would be available for leasing.

**Page 3-55, third paragraph*

Alternative E (Preferred Alternative)

Under Alternative E, ~~18.7~~ 18.6 million acres of the NPR-A's subsurface would be available for oil and gas leasing, with different areas subject to standard terms and conditions or NSO stipulations.

**Page 3-64, first paragraph*

Alternative E (Preferred Alternative)

Under Alternative E, ~~18,653,000~~ 18,581,000 acres of land would be made available for fluid mineral leasing, with ~~13,142,000~~ 13,119,000 acres open for development of infrastructure and pipelines related to oil and gas leases.

**Page 3-65, first paragraph*

Alternative E (Preferred Alternative)

Under Alternative E, ~~18,653,000~~ 18,581,000 acres of land would be made available for fluid mineral leasing, with 13,142,000 acres open for development of infrastructure and pipelines related to oil and gas leases. Approximately 4,082,000 acres under Alternative E would be made available in areas of high petroleum potential; ~~651,000~~ 1,653,000 of these acres are currently leased.

Page 3-82, third paragraph

The Alternative E leasing area includes a ~~41~~ 29 percent increase over Alternative A in river miles and 87 percent increase in lake area open for fluid mineral leasing, similar to Alternative D. Rivers in areas available for leasing cumulatively account for 2,296 river miles and the fewest major rivers in areas closed to leasing, 418 river miles.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Page 3-82, fifth paragraph

Areas available to infrastructure have 138 river miles, a ~~17~~ 14 percent increase over Alternative A.

*Page 3-101, fourth paragraph

Alternative E (Preferred Alternative)

Under the Preferred Alternative, Alternative E, the total area open for leasing (including the areas subject to NSO, TLs, and controlled surface use lease stipulations) would be approximately ~~58~~ 63 percent larger than under Alternative A.

*Page 3-102, Table 3-25

Table 3-25
Acres Open and Closed to Fluid Mineral Leasing by Development Potential Zone Under Alternative E

Allocation	Acres Open and Closed to Fluid Mineral Leasing Under Alternative E			
	High Development Potential Zone	Medium Development Potential Zone	Low Development Potential Zone	Totals
Closed	0	1,000	4,100,000	4,101,000 4,173,000
Open	4,082,000	7,183,000	7,388,000	18,653,000 18,581,000
Subject to NSO	1,631,000	2,004,000 2,002,000	2,304,000 2,259,000	5,939,000 5,891,000
Leased ^a	651,000	242,000	0	893,000
Unleased	980,000	1,762,000 1,760,000	2,304,000 2,259,000	5,939,000 4,998,000
Subject to controlled surface use	187,000	251,000	0	438,000
Subject to TLs	777,000	350,000	2,060,000	3,187,000
Leased ^a	119,000	123,000	0	242,000
Unleased	658,000	227,000	2,060,000	2,945,000
Subject only to standard terms and conditions	1,487,000	4,578,000	3,024,000	7,615,000

^aAreas with existing leases; may be open subject only to standard terms and conditions

*Page 3-135, first paragraph

Alternative E (Preferred Alternative)

Under Alternative E, ~~4,101,000~~ 4,173,000 acres of land, the fewest of all alternatives, across all fish habitat units would be closed to fluid mineral leasing (**Chapter 2, Table 2-1; Appendix L, Table L-4**). This is a 62 percent decrease from Alternative A.

*Page 3-135, second paragraph

As with Alternative D, a total of 181 miles of AWC waterbodies are closed to fluid mineral development, representing a ~~78~~ 81 percent decrease in AWC habitat protections, compared with Alternative A (Appendix L, Table L-5). A total of 1,393 miles of AWC streams are open to fluid mineral development, but with NSO provisions.

Page 3-135, third paragraph

There are significant decreases in EFH habitat closed to fluid mineral leasing under Alternative E, compared with Alternative A. This includes a ~~42~~ 9 percent reduction of saffron cod EFH and

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

an ~~85~~ 69 percent reduction of Arctic cod EFH, which are completely closed to fluid mineral leasing.

**Page 3-135, fourth paragraph*

As with Alternative D, infrastructure development is closed on 189 miles of known AWC stream habitat under Alternative E, a decrease of ~~16~~ 18 percent, compared with Alternative A (Appendix L, Table L-6). Infrastructure development is allowed on ~~717~~ 787 miles of AWC streams (down less than ~~1~~ 9 percent, compared with Alternative A). It is conditionally allowed for essential development on another ~~1,239~~ 1,150 miles, an increase of 4 percent. New infrastructure development is not allowed on 347,000 acres of the Coastal Plain fish habitat (Appendix L, Table L-7). Some level of conditional infrastructure development is allowed on ~~9,745,000~~ 9,744,000 acres of the Lower Colville and Coastal Plain habitat units combined.

**Page 3-135, fifth paragraph*

In deep or very deep lake habitat under Alternative E, fluid mineral development is closed or designated NSO for 612,000 acres. This is a decrease in potential protections for deep lake habitat of 26 percent, compared with Alternative A (Appendix L, Table L-8). A total of ~~227,000~~ 228,000 acres of deep lake habitat are closed to infrastructure development under Alternative E. This is a 29 percent decrease in potential protections from infrastructure impacts, compared with these habitats under Alternative A (Appendix L, Table L-9).

**Page 3-204, seventh paragraph*

Under Alternative E ~~4,101,000~~ 4,173,000 acres are closed to fluid mineral leasing, ~~5,939,000~~ 5,891,000 acres are subject to NSO, and 9,088,000 acres are subject to standard terms and conditions (**Chapter 2, Table 2-1**); however, 893,000 acres that is NSO is already leased and is assumed to be standard terms and conditions for this analysis. An estimated 9.07 medium or large (≥ 50 barrels) spills are projected to occur under Alternative ~~B~~ E (**Appendix I, Table I-7**).

**Pages 3-204 and 3-205, last and first paragraph*

Approximately 80.9 percent of the female WAH is expected to be in areas that are closed to leasing or NSO and ~~1.3~~ 1.2 percent of the herd is expected to be in areas open to fluid mineral leasing under standard terms and condition during calving (**Appendix R, Table R-2**); 78.12 and 6.7 percent of the herd is expected to be in areas closed to new infrastructure and available to new infrastructure, respectively (**Appendix R, Table R-3**).

**Page 3-205, fourth paragraph*

Under Alternative E, at any one time, ~~30.3~~ 30.4 percent of the calving female TCH is expected to be in areas closed to leasing or NSO, ~~6.4~~ 6.2 percent in areas with controlled surface use, ~~39.1~~ 39.3 percent in areas with TLs, and ~~21.1~~ 20.9 percent in areas open to fluid leasing under standard terms and condition (**Appendix R, Table R-4**); ~~14.3~~ 14.4 percent of the herd is expected to be in areas closed to new infrastructure, and ~~66.1~~ 66.0 percent of the herd is expected to be in areas available for infrastructure (**Appendix R, Table R-5**).

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page 3-224, Table 3-27

Table 3-27
Polar Bear Terrestrial Critical Habitat by Alternative, Lease Type, and Infrastructure Allowed

Type of Area	Alternative A		Alternative B		Alternative C		Alternative D		Alternative E	
	Acres ¹ (Thousands)	Per- cent								
Mineral leasing	-	-	-	-	-	-	-	-	-	-
Closed to leasing	769 (2)	90	852 (33)	99	235 (0)	27	-	-	-130	-10
NSO	21 (6)	2	3 (3)	>1	516 (7)	60	449 (7)	52	474 792 (13)	55 60
Open	65 (29)	8	1	>1	105 (30)	12	407 (30)	47	382 392 (23)	45 30
Infrastructure	-	-	-	-	-	-	-	-	-	-
No infrastructure	225	28	756	92	189	23	6	<1	6	<1
Pipeline	14	2	57	7	59	7	137	17	137 510	17 40
Pipeline and roads	78	10	3	-	76	9	78	10	88 100	11.8 35
Coastal infrastructure	143	17	1	-	142	17	164	20	164 209	20 17
Available	359	44	1	-	354	43	433	53	426 438	52 35

Source: BLM GIS 2019

¹Subset of total acreage currently leased in parentheses

*Page 3-248, third paragraph

Alternative E (Preferred Alternative)

Alternative E would increase the lands available for leasing by ~~6,890,000~~ 6,818,000 acres, compared with Alternative A, which would increase the potential for the nature and types of impacts described under Impacts Common to All Action Alternatives.

*Page 3-248, fourth paragraph

Compared with Alternative A, Alternative E would result in ~~2,327,000~~ 2,304,000 more acres more acres being available for new infrastructure development. Land use conflicts from development would intensify during the construction phase, with conflicts likely being reduced during the production phase. Likely impacts are temporary disruptions because of noise, dust, and activity generated from pipeline and infrastructure development and operation.

*Page 3-258, second paragraph

Alternative E (Preferred Alternative)

Alternative E would make the largest number of acres available for fluid mineral leasing (approximately ~~18.7~~ 18.6 million). The number of acres unavailable for new infrastructure would be fewest under Alternative E. In terms of direct and indirect impacts on cultural resource sites, such as Traditional Land Use Inventory and AHRs, Alternative E could affect the greatest number of documented sites (**Table 3-30**).

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page 3-282, Table 3-32

Table 3-32
Percentage of NPR-A Subsistence Use Areas Closed and Open to Fluid Mineral Leasing

Community	Alternative A		Alternative B		Alternative C		Alternative D		Alternative E		Percent of Total Use Areas in NPR-A
	Closed	Open									
Anaktuvuk Pass	3	<1	3	<1	0	4	0	4	0	4	4
Atqasuk	25	71	36	60	4	92	1	94	1	95 94	100
Utqiagvik	28	33	30	30	15	45	11	49	11	49	62
Nuiqsut	14	26	16	24	5	35	0	40	0	40	41
Point Lay	29	10	32	7	27	12	27	12	27	12	40
Wainwright	36	29	39	26	24	41	24	41	24	41	66

Source: See **Appendix T, Table T-2**, Data Sources

¹Open lands are those open to leasing, including those subject to NSO, controlled surface use, TLs, BMPs, and standard terms and conditions.

*Page 3-283, Table 3-33

Table 3-33
Percentage of NPR-A Subsistence Use Areas Closed and Open to Infrastructure

Community	Alternative A		Alternative B		Alternative C		Alternative D		Alternative E		Percent of Total Use Areas in NPR-A
	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	
Anaktuvuk Pass	4	<1	4	<1	<1	3	<1	3	3	<1	4
Atqasuk	27	65	47	45	25	68	25	68	23 25	69 68	100
Utqiagvik	30	30	38	22	24	35	23	37	24	36	62
Nuiqsut	12	27	22	17	12	27	11	29	11	29	41
Point Lay	31	8	33	6	30	8	30	8	30	8	40
Wainwright	41	23	45	20	32	32	31	32	33	32	66

Source: See **Appendix T, Table T-2**, Subsistence Data Sources

¹Open lands are any lands available for new non-subsistence infrastructure. Lands that are unavailable for new infrastructure except for essential pipeline crossings, roads, or coastal infrastructure are not considered open.

*Page 3-288, second paragraph

Alternative E (Preferred Alternative)

Under Alternative E, the number of acres available for oil and gas leasing would be the **highest same as of any alternative Alternative D** (~~18.7~~ 18.6 million acres), and the area unavailable for any new infrastructure (including essential roads and pipelines) would be the lowest (4.3 million acres).

*Page 3-288, sixth paragraph

While ~~5,939,000~~ **5,891,000** acres of land are subject to NSO under Alternative ~~C~~ **E**, 893,000 acres of this leased land may be subject only to standard terms and conditions while the terms of the leases are in effect; thus, if the existing leases are developed, the percentage of use areas affected by oil and gas infrastructure under Alternative E (i.e., areas open only to standard terms and conditions) would be higher for some communities than that shown in **Table 3-3**.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

**Page 3-306, seventh paragraph*

Alternative E (Preferred Alternative)

Under Alternative E, the number of acres available for oil and gas leasing would be the ~~highest same as of any alternative~~ **Alternative D**; the area unavailable for any new infrastructure (including essential roads and pipelines) would be the lowest.

**Page 3-316, first paragraph*

Given that under Alternatives **D and E** the number of acres available for oil and gas leasing would be the highest of ~~the any~~ alternatives, the BLM would expect the greatest level of disproportionately high and adverse subsistence-related effects ~~under this alternative~~.

**Page 3-316, sixth paragraph*

Given that under Alternatives **D and E** the number of acres available for oil and gas leasing would be the highest of ~~the any~~ alternatives, the BLM would expect the greatest level of disproportionately high and adverse subsistence-related effects ~~under this alternative~~.

**Page 3-324, second paragraph*

Alternative E (Preferred Alternative)

The nature and type of potential impacts would be as described under *Impacts Common to All Action Alternatives*. Compared with Alternative A, increasing the acres available for lease sales to ~~18,653,000~~ **18,581,000** acres, ~~12,714,000~~ **12,690,000** acres (~~56~~ **68** percent) of which would be available for surface use, would increase the potential for oil and gas exploration and development to alter the recreation setting and displace visitors.

**Page 3-336, fourth paragraph*

Alternative E (Preferred Alternative)

Under Alternative E, potential impacts on wilderness character would be reduced in the inventory areas being managed as closed to fluid mineral leasing (~~3,968,200~~ **4,037,0800** acres) or as open to fluid mineral leasing but subject to NSO requirements (~~5,410,400~~ **5,364,400** acres). There would be ~~893,000~~ **890,300** acres open to fluid mineral leasing and subject to NSO that have valid existing leases and no valid existing leases in areas closed to leasing; however, wilderness characteristics could be affected by development in wilderness inventory units next to lands available for leasing, and surface occupancy could experience impacts on wilderness characteristics.

**Page 3-336, fifth paragraph*

Alternative E (Preferred Alternative)

Overall, Alternative E would make ~~18,653,000~~ **18,581,000** acres available for oil and gas lease sales in the planning area, which would adversely affect wilderness characteristics to a greater extent than Alternative A due to more acres being available for oil and gas leasing in wilderness inventory units.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page 3-340, Table 3-38

Table 3-38
Visual Resource Management for Visual Resources by Alternative

Alternative E acres	VRI Class I	VRI Class II	VRI Class III	VRI Class IV
VRM Class I	0	0	0	0
VRM Class II	0	3,491,400 3,491,500	4,127,700 4,146,700	1,782,600 1,786,400
VRM Class III	0	607,800 607,700	495,500 493,900	65,300
VRM Class IV	0	695,000	4,741,500 4,724,000	6,510,600 6,506,800

Source: BLM GIS 2019

*Pages 3-341 and 3-342, last and first paragraph

Alternative E (Preferred Alternative)

Under Alternative E, there would be ~~1,302,800~~ 1,302,700 acres of VRI Class II areas that are managed as VRM Class III or Class IV, which could degrade the scenic quality. In addition, there would be ~~4,741,500~~ 4,724,000 acres of VRI Class III areas that are managed as VRM Class IV, which could also degrade the scenic quality. In total, there would be ~~6,044,300~~ 6,520,000 acres (~~26-29~~ percent of BLM-managed surface lands in the decision area) where scenic quality could degrade in VRI Class II and Class III areas. Compared with Alternative A, this would create 1,732,300 additional total acres where scenic quality could degrade in VRI Class II and Class III areas.

*Page 3-347, eighth paragraph

Alternative E (Preferred Alternative)

The nature and types of impacts on travel and transportation infrastructure from the leasing program under Alternative E would be as described under Impacts Common to All Alternatives. Compared with Alternative A, ~~6,890,000~~ 6,818,000 more acres would be available for leasing, and ~~2,327,000~~ 2,304,000 more acres would be available for new roadways for oil and gas development.

*Page 3-360 fourth paragraph

Alternative E (Preferred Alternative)

Alternative E ~~would make~~ would open the same amount of ~~most~~ land as Alternative D ~~open~~ to leasing (approximately ~~18.7~~ 18.6 million acres); however, the difference in acreage open to leasing between Alternative E and Alternative D is less than 1 percent.

*Page 3-375 fifth paragraph

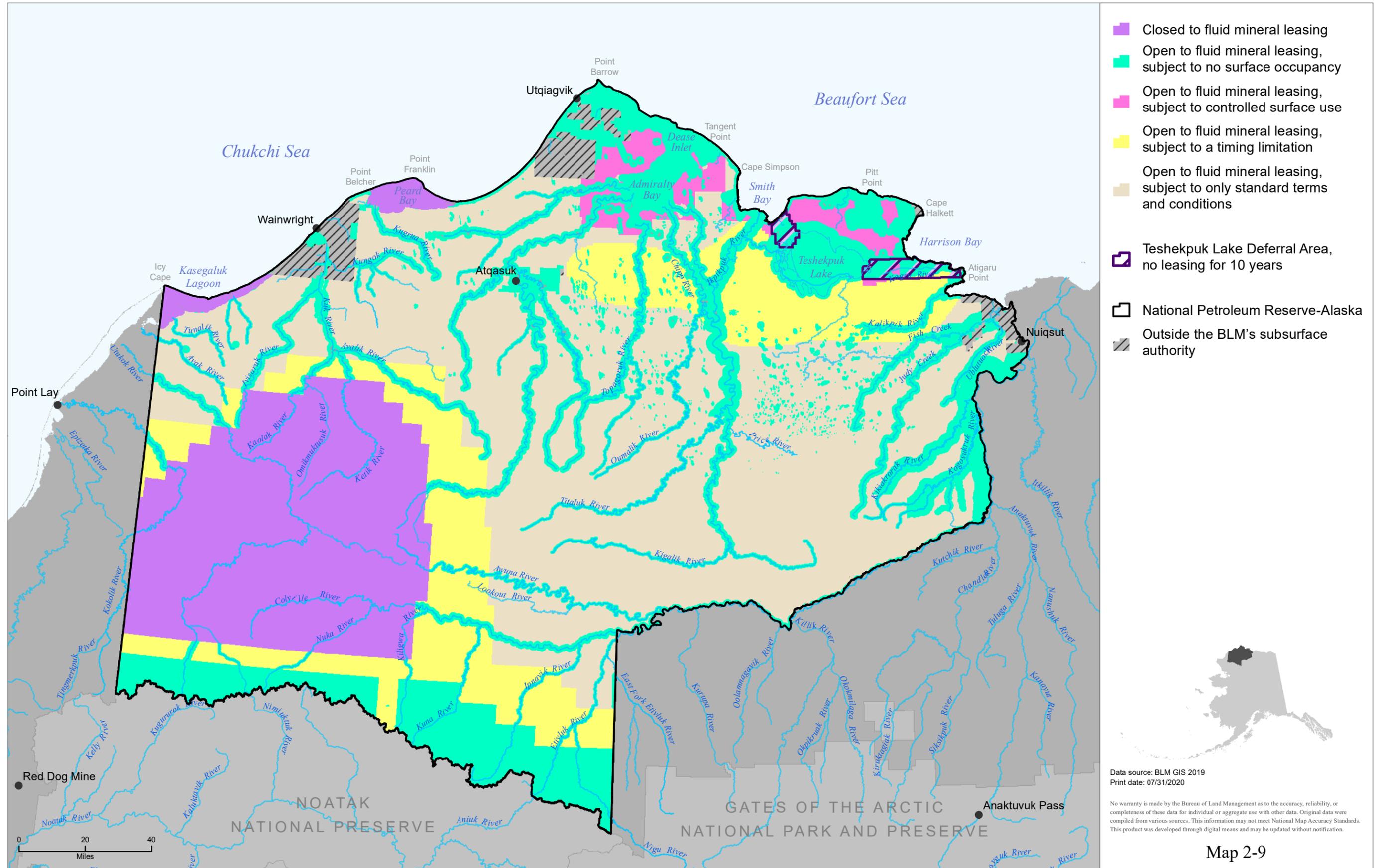
Alternative E (Preferred Alternative)

Under Alternative E, the number of acres available for oil and gas leasing would be the ~~highest~~ same as of any alternative Alternative D (~~18.7~~ 18.6 million acres), and the area unavailable for any new infrastructure (including essential roads and pipelines) would be the lowest (4.3 million acres). Similar to Alternative D, the only areas completely closed to mineral leasing would be in the western portion of the NPR-A in areas of low oil and gas potential.

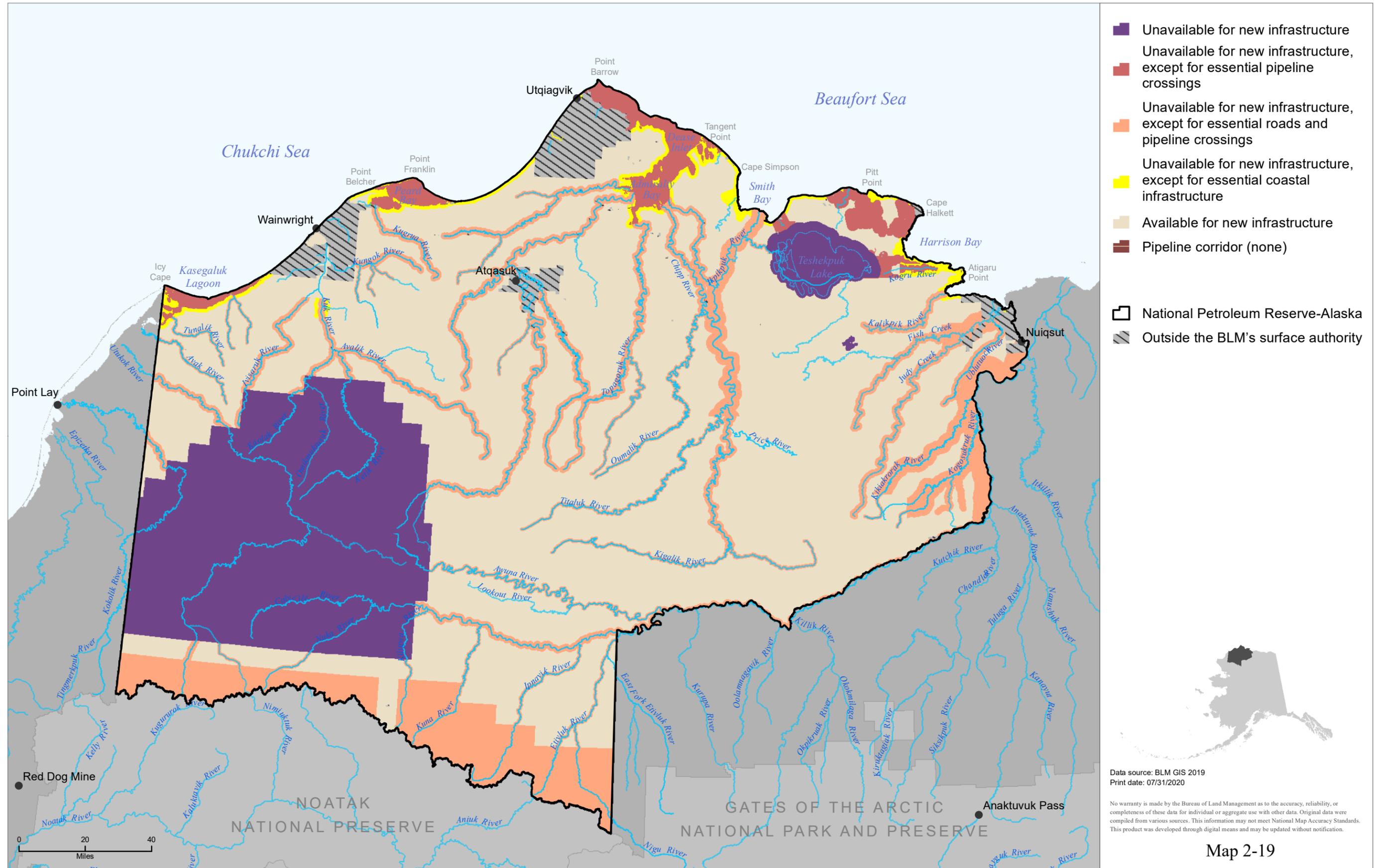
***APPENDIX A**

Maps 2-9, 2-10, 2-19, 2-20, and 2-28 have been corrected according to the Chapter 2 changes listed above.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.



Map 2-9

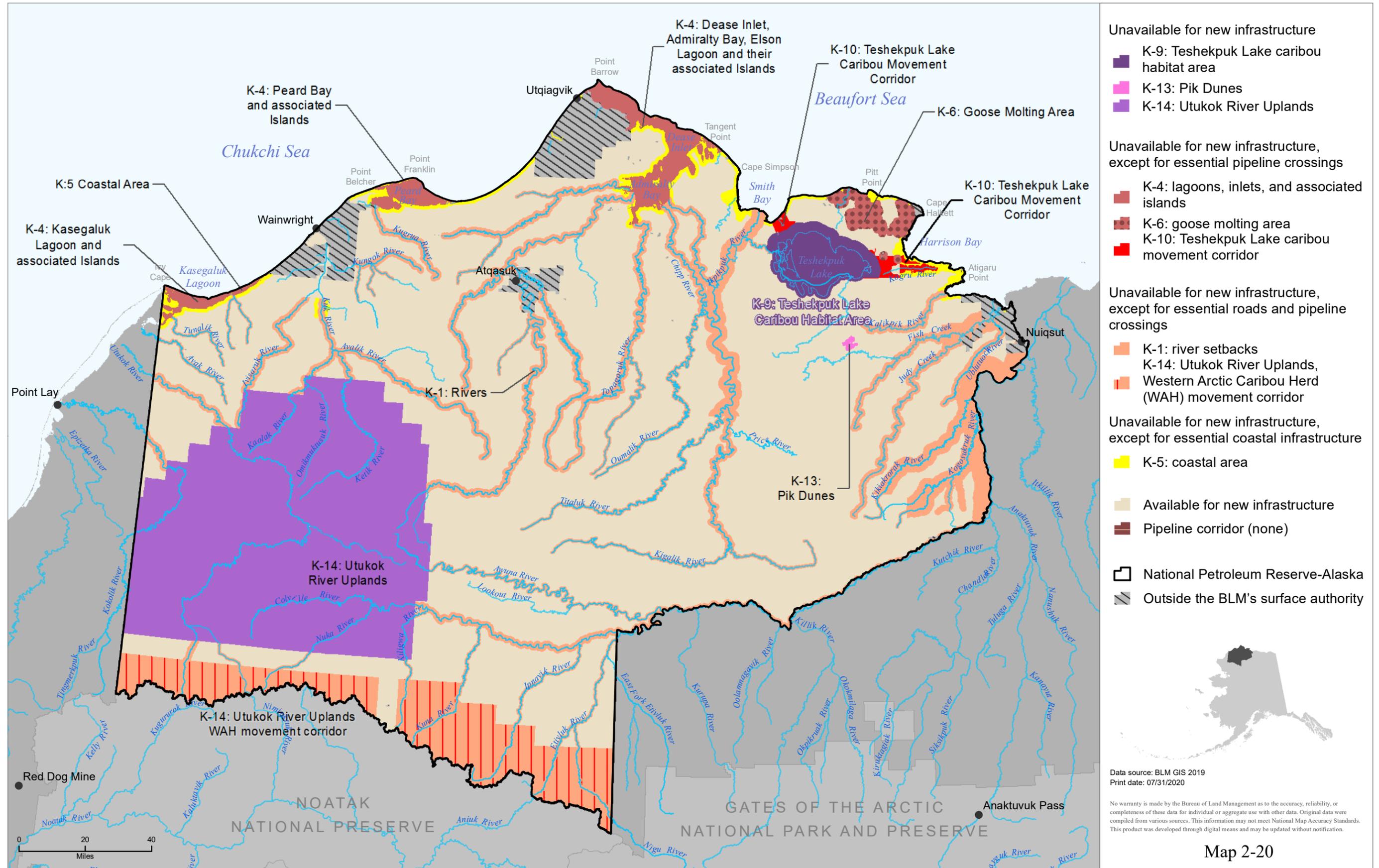


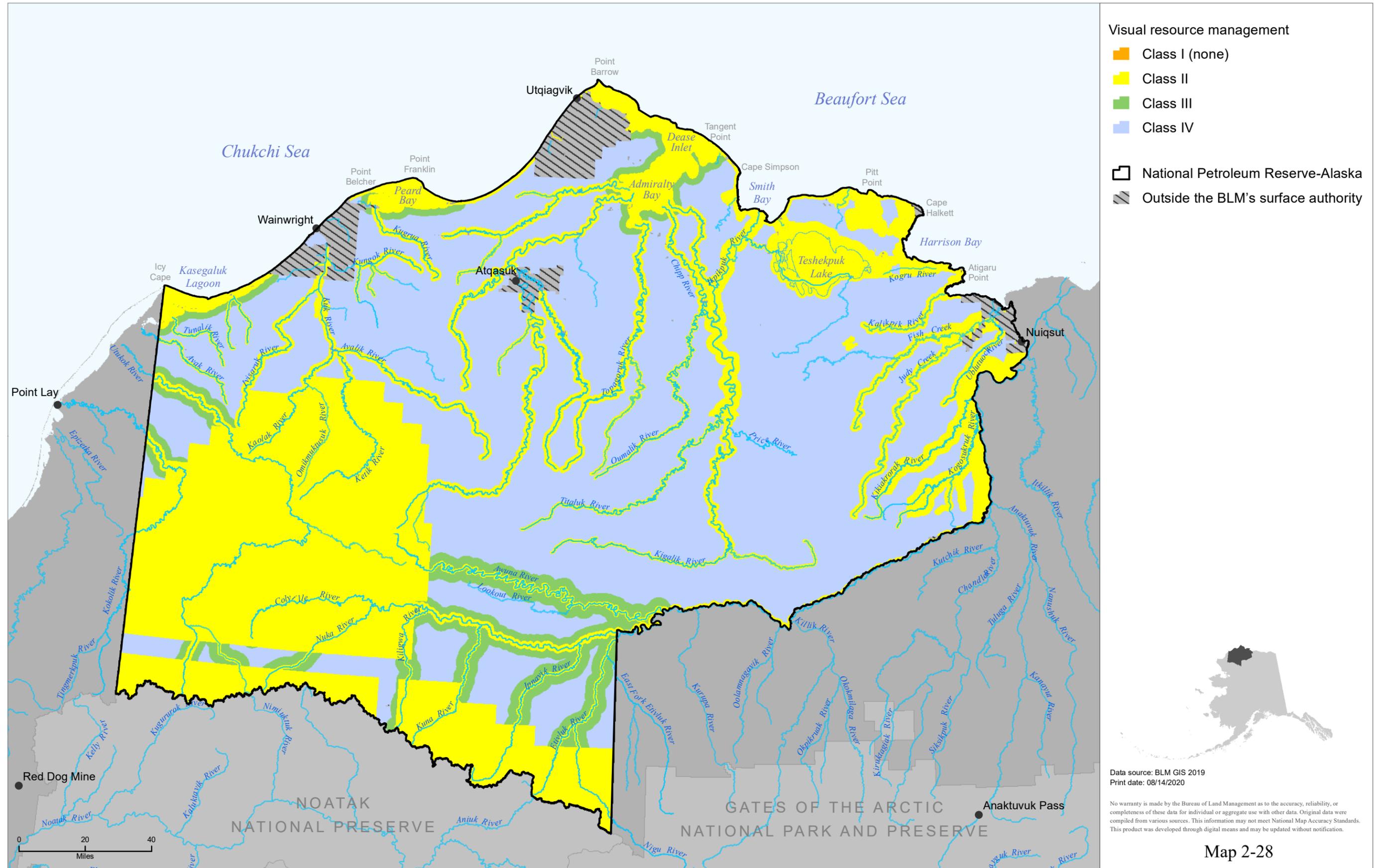
- Unavailable for new infrastructure
- Unavailable for new infrastructure, except for essential pipeline crossings
- Unavailable for new infrastructure, except for essential roads and pipeline crossings
- Unavailable for new infrastructure, except for essential coastal infrastructure
- Available for new infrastructure
- Pipeline corridor (none)
- National Petroleum Reserve-Alaska
- Outside the BLM's surface authority

Data source: BLM GIS 2019
 Print date: 07/31/2020

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

Map 2-19





Visual resource management

- Class I (none)
- Class II
- Class III
- Class IV

National Petroleum Reserve-Alaska

Outside the BLM's surface authority

Data source: BLM GIS 2019
 Print date: 08/14/2020

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

Map 2-28

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APPENDIX E

*Page E-8, Table E-1

Table E-1
Percentage of NPR-A Subsistence Use Areas Closed and Open to Fluid Mineral Leasing

Community	Alt. A		Alt. B		Alt. C		Alt. D		Alt. E		Percent of Total Use Areas in NPR-A
	Closed	Open									
Anaktuvuk Pass	3	<1	3	<1	0	4	0	4	0	4	4
Atqasuk	25	71	36	60	4	92	1	94	1	95 94	100
Utqiagvik	28	33	30	30	15	45	11	49	11	49	62
Nuiqsut	14	26	16	24	5	35	0	40	0	40	41
Point Lay	29	10	32	7	27	12	27	12	27	12	40
Wainwright	36	29	39	26	24	41	24	41	24	41	66

Source: See NPR-A IAP/EIS, Table T-2, Data Sources

"Open" lands include any lands open to leasing, including those subject to no surface occupancy, controlled surface use, timing limitations, best management practices, and standard terms and conditions.

*Page E-42, first paragraph

Under Alternative E, the number of acres available for oil and gas leasing would be the **highest same as of any alternative Alternative D.**

*Page E-42, second paragraph

The remainder of the NPR-A would be open to mineral leasing subject to NSOs, controlled surface use, timing limitations, or standard terms and conditions. While ~~5,939,000~~ **5,891,000** acres of land are subject to NSO under Alternative E, 893,000 acres of this land have existing leases.

*Page E-43, first paragraph

The percentage of subsistence use areas open to oil and gas leasing under Alternative E would be substantially higher than Alternative A for Atqasuk (~~95~~ **94** percent of subsistence use areas), Utqiagvik (49 percent), Nuiqsut (40 percent), and Wainwright (41 percent; **Table E-1**).

*Page E-43, second paragraph

Compared with Alternative A, under Alternative E there is a 62 percent decrease in fish habitat units that are closed to fluid mineral leasing, and a ~~78~~ **81** percent decrease in ~~Anadramous~~ **Anadromous** Water Catalog stream habitat protections.

APPENDIX F

Page F-11, fourth paragraph

Alaska ~~Liquid Nitrogen~~ **Liquified Natural Gas** Project (reasonably foreseeable future)— This development would include a gas treatment plant at Prudhoe Bay, a 42-inch-diameter, high-pressure, 800-mile pipeline, and eight compressor stations to move the gas to a proposed

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

liquefaction plant at Nikiski, on the Kenai Peninsula. The pipeline would be designed to accommodate an initial mix of gas from the Prudhoe Bay and Point Thomson fields and room to accommodate other gas fields in the decades ahead. The Alaska LNG project would be mutually exclusive to the Alaska stand-alone gas pipeline (below), meaning only one, if any, would be built.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

APPENDIX J

*Pages J-88 – J-90, Table J-20

Table J-20 (continued)
Lake Area Open to Fluid Mineral Leasing by Alternative and Lake Depth

Lake Depth & Fluid Mineral Leasing Stipulations	Alternative					Difference from Alternative A				% Change from Alternative A			
	A	B	C	D	E	B	C	D	E	B	C	D	E
Moderate (1.6-4m)	Acres												
Closed	304,000	369,000	105,000	4,000	3,100 3,500	65,000	-199,000	-300,000	-300,900 -300,500	21	-65	-99	-99 -99
Leased	3,000	62,000	0	0	0	59,000	-3,000	-3,000	-3,000	1967	-100	-100	-100
Unleased	301,000	307,000	105,000	4,000	3,100 3,500	6,000	-196,000	-297,000	-297,900 -297,500	2	-65	-99	-99
Open, no surface occupancy	43,000	147,000	235,000	121,000	132,800 132,900	104,000	192,000	78,000	89,800 89,900	242	447	181	209
Leased	25,000	40,000	48,000	28,000	41,200	15,000	23,000	3,000	16,200	60	92	12	65
Unleased	18,000	107,000	187,000	93,000	91,600 91,700	89,000	169,000	75,000	73,600 73,700	494	939	417	409
Open, controlled surface use	0	0	0	52,000	52,100	0	0	52,000	52,100	0	0	-	-
Leased	0	0	0	0	0	0	0	0	0	0	0	0	0
Unleased	0	0	0	52,000	52,100	0	0	52,000	52,100	0	0	-	-
Open, timing limitation	0	0	56,000	153,000	158,500	0	56,000	153,000	158,500	0	-	-	-
Leased	0	0	24,000	37,000	33,000	0	24,000	37,000	33,000	0	-	-	-
Unleased	0	0	32,000	116,000	125,000 125,500	0	32,000	116,000	125,500	0	-	-	-
Open, standard terms & conditions	491,000	322,000	441,000	509,000	491,100 490,700	-169,000	-50,000	18,000	100 -300	-34	-10	4	0 -6
Leased	228,000	153,000	183,000	190,000	181,000	-75,000	-45,000	-38,000	-47,000	-33	-20	-17	-21
Unleased	263,000	169,000	258,000	319,000	310,100 309,700	-94,000	-5,000	56,000	47,100 46,700	-36	-2	21	18
Open, total	534,000	469,000	732,000	835,000	834,500 834,200	-65,000	198,000	301,000	89,900 300,200	-12	37	56	56

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Table J-20 (continued)
Lake Area Open to Fluid Mineral Leasing by Alternative and Lake Depth

Lake Depth & Fluid Mineral Leasing Stipulations	Alternative					Difference from Alternative A				% Change from Alternative A			
	A	B	C	D	E	B	C	D	E	B	C	D	E
Shallow (<1.6m)	Acres												
Closed	233,000	263,000	86,000	10,000	6,800 10,100	30,000	-147,000	-223,000	-226,200 -222,900	13	-63	-96	-97 -96
Leased	2,000	12,000	-	-	-	10,000	-2,000	-2,000	-2,000	500	-100	-100	-100
Unleased	231,000	251,000	86,000	10,000	6,800 10,100	20,000	-145,000	-221,000	-224,200 -220,900	9	-63	-96	-97 -96
Open, no surface occupancy	38,000	97,000	189,000	147,000	151,300	59,000	151,000	109,000	113,300	155	397	287	298
Leased	10,000	14,000	13,000	11,000	13,200	4,000	3,000	1,000	3,200	40	30	10	32
Unleased	28,000	83,000	176,000	136,000	138,100	55,000	148,000	108,000	110,100	196	529	386	393
Open, controlled surface use	0	0	0	53,000	55,000	0	0	53,000	55,000	0	0	-	-
Leased	0	0	0	0	0	0	0	0	0	0	0	0	0
Unleased	0	0	0	53,000	55,000	0	0	53,000	55,000	0	0	-	-
Open, timing limitation	0	0	29,000	53,000	54,100	0	29,000	53,000	54,100	0	-	-	-
Leased	0	0	7,000	8,000	7,800	0	7,000	8,000	7,800	0	-	-	-
Unleased	0	0	22,000	45,000	46,300	0	22,000	45,000	46,300	0	-	-	-
Open, standard terms & conditions	264,000	175,000	230,000	272,000	267,700 266,500	-89,000	-34,000	8,000	3,700 2,500	-34	-13	3	1
Leased	56,000	42,000	47,000	48,000	46,800	-14,000	-9,000	-8,000	-9,200	-25	-16	-14	-16
Unleased	208,000	133,000	183,000	224,000	220,900 219,700	-75,000	-25,000	16,000	12,900 11,700	-36	-12	8	6
Open, total	302,000	272,000	448,000	525,000	528,400 526,900	-30,000	146,000	223,000	226,400 224,900	-10	48	74	75 74

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Table J-20 (continued)
Lake Area Open to Fluid Mineral Leasing by Alternative and Lake Depth

Lake Depth & Fluid Mineral Leasing Stipulations	Alternative					Difference from Alternative A				% Change from Alternative A			
	A	B	C	D	E	B	C	D	E	B	C	D	E
	Acres												
Closed	880,000	978,000	404,000	14,000	40,300 14,000	98,000	-476,000	-866,000	-869,700 -866,000	11	54	-98	-99 -98
Open, No Surface Occupancy	219,000	386,000	691,000	741,000	759,300 757,300	167,000	472,000	522,000	540,300 538,300	76	216	238	267 246
Open, Controlled Surface Use	0	0	0	106,000	408,000 108,100	0	0	106,000	56,000 108,100	0	0	-	-
Open, Timing Limitation	0	0	90,000	214,000	222,000 221,800	0	90,000	214,000	63,200 221,800	0	-	-	-
Open, Standard Terms & Conditions	777,000	512,000	688,000	801,000	776,100 774,400	-265,000	-89,000	24,000	-900 2,600	-34	-11	3	0
Open, Total	996,000	898,000	1,469,000	1,862,000	1,865,000 1,861,600	-98,000	473,000	866,000	658,600 865,600	-10	47	87	87

Source: Adapted from BLM GIS 2019

“-“ = not available (no rate of growth from zero)

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page J-91, Table J-21

Table J-21
Lake Area Open to New Infrastructure by Alternative and Lake Depth

Lake Depth & Infrastructure Availability	Alternative					Difference from Alternative A				% Change from Alternative A			
	A	B	C	D	E	B	C	D	E	B	C	D	E
Deep (>4m)	Acres												
Available	281,000	16,000	278,000	281,000	276,000 276,300	-265,000	-3,000	0	-5,000 4,700	-94	-1	0	-2
Unavailable	213,000	481,000	216,000	213,000	211,000 211,400	268,000	3,000	0	-2,000 1,600	126	1	0	-1
Unavailable except Coastal	1,000	0	1,000	1,000	1,000 600	-1,000	0	0	0 -400	-100	0	0	0
Unavailable except Roads & Pipeline Crossings	6,000	0	6,000	6,000	12,000 11,900	-6,000	0	0	6,000 5,900	-100	0	0	100 98
Unavailable except Pipeline Crossings	0	2,000	0	0	0	2,000	0	0	0	-	0	0	0
Pipeline Corridor	0	0	0	0	0	0	0	0	0	0	0	0	0
Moderate (1.6-4m)	Acres												
Available	644,000	426,000	645,000	713,000	715,000 714,700	-218,000	1,000	69,000	71,000 70,700	-34	0	11	11
Unavailable	107,000	329,000	97,000	27,000	16,000 16,400	222,000	-10,000	-80,000	-91,000 -90,600	207	-9	-75	-85
Unavailable except Coastal	3,000	0	3,000	3,000	3,000	-3,000	0	0	0	-100	0	0	0
Unavailable except Roads & Pipeline Crossings	68,000	43,000	70,000	70,000	79,000 79,300	-25,000	2,000	2,000	11,000 11,300	-37	3	3	16 17
Unavailable except Pipeline Crossings	0	0	0	8,000	8,000 8,400	0	0	8,000	8,000 8,400	0	0	-	-
Pipeline Corridor	0	24,000	7,000	0	0	24,000	7,000	0	0	-	-	0	0

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

APPENDIX K

*Page K-19, Table K-11

Table K-11
Acres of Vegetation and Wetland Classes in Areas Open to Leasing and Subject to No Surface Occupancy Stipulations
within the Low Development Potential Zone: All Alternatives

Vegetation Class	Wetland Type	No Surface Occupancy									
		Alternative A		Alternative B		Alternative C		Alternative D		Alternative E	
		Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
Open Water	Open Water	38,000	6	104,000	7	18,000	1	65,000	6	106,000 98,000	5 4
Marine Beach/ Beach Meadow	Marine Intertidal	0	0	0	0	1,000	0	0	0	0	0
Coastal Marsh	Estuarine Intertidal Vegetated	0	0	0	0	0	0	0	0	0	0
Freshwater Marsh (<i>Arctophila fulva</i>)	Freshwater Emergent	3,000	0	9,000	1	5,000	0	3,000	0	3,000	0
Freshwater Marsh (<i>Carex aquatilis</i>)	Freshwater Emergent	30,000	4	121,000	8	74,000	5	37,000	3	51,000 40,200	2
Wet Sedge	Freshwater Emergent	74,000	11	197,000	13	0	0	127,000	11	251,000 233,000	11 10
Wet Sedge-Sphagnum	Freshwater Emergent	0	0	0	0	0	0	0	0	0	0
Mesic Herbaceous	Freshwater Emergent	0	0	0	0	20,000	1	1,000	0	13,000	1
Mesic Sedge-Dwarf Shrub Tundra	Freshwater Emergent	8,000	1	12,000	1	117,000	8	19,000	2	77,000	3
Tussock Tundra	Freshwater Emergent	198,000	29	401,000	27	182,000	13	253,000	22	436,000 415,000	19
Tussock Shrub Tundra	Freshwater Emergent	269,000	39	518,000	35	352,000	24	455,000	40	665,000 661,000	29 30
Dwarf Shrub	Freshwater Shrub	9,000	1	13,000	1	36,000	2	34,000	3	210,000 209,000	9
Birch Ericaceous Low Shrub	Freshwater Shrub	17,000	2	9,000	1	22,000	2	15,000	1	18,000	1
Low-Tall Willow	Freshwater Shrub	38,000	5	76,000	5	85,000	6	80,000	7	118,000 117,000	5
Alder	Freshwater Shrub	0	0	0	0	0	0	0	0	0	0

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Vegetation Class	Wetland Type	No Surface Occupancy									
		Alternative A		Alternative B		Alternative C		Alternative D		Alternative E	
		Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
Dryas Dwarf Shrub	Upland	3,000	0	4,000	0	11,000	1	10,000	1	84,000 84,000	4
Sparsely Vegetated	Upland	2,000	0	5,000	0	502,000	35	18,000	2	151,000 151,000	7
Bare Ground	Upland	4,000	1	10,000	1	22,000	2	21,000	2	120,000 117,000	5
Ice/Snow	Unknown	0	0	0	0	0	0	0	0	0	0
Burned Area	Unknown	0	0	0	0	0	0	0	0	0	0
Unclassified	Unknown	0	0	0	0	0	0	0	0	0 1,000	0
Totals		691,000	100	1,479,000	100	1,446,000	100	1,138,000	100	2,304,000 2,236,000	100

Source: BLM GIS 2019

Note: No existing leases are present within the low development potential zone.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page K-24, Table K-16

Table K-16
Acres of Vegetation and Wetland Classes in Areas Closed to Leasing within the Low Development Potential Zone: All Alternatives

Vegetation Class	Wetland Type	Closed to Leasing									
		Alternative A		Alternative B		Alternative C		Alternative D		Alternative E	
		Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
Open Water	Open Water	222,000	3	235,000	3	159,000	4	159,000	4	150,000 159,000	4
Marine Beach/ Beach Meadow	Marine Intertidal	0	0	0	0	0	0	0	0	0	0
Coastal Marsh	Estuarine Intertidal Vegetated	1,000	0	1,000	0	1,000	0	1,000	0	0	0
Freshwater Marsh (<i>Arctophila fulva</i>)	Freshwater Emergent	2,000	0	3,000	0	2,000	0	2,000	0	2,000	0
Freshwater Marsh (<i>Carex aquatilis</i>)	Freshwater Emergent	45,000	1	64,000	1	34,000	1	34,000	1	23,000 34,000	1
Wet Sedge	Freshwater Emergent	514,000	7	571,000	7	271,000	6	271,000	6	253,000 271,000	6
Wet Sedge-Sphagnum	Freshwater Emergent	0	0	0	0	0	0	0	0	0	0
Mesic Herbaceous	Freshwater Emergent	25,000	0	25,000	0	3,000	0	3,000	0	3,000	0
Mesic Sedge-Dwarf Shrub Tundra	Freshwater Emergent	369,000	5	363,000	5	233,000	6	233,000	6	232,000 233,000	6
Tussock Tundra	Freshwater Emergent	1,247,000	17	1,388,000	18	765,000	18	765,000	18	744,000 265,000	18
Tussock Shrub Tundra	Freshwater Emergent	3,467,000	46	3,539,000	45	1,948,000	47	1,948,000	47	1,945,000 1,948,000	47
Dwarf Shrub	Freshwater Shrub	656,000	9	654,000	8	369,000	9	369,000	9	368,000 369,000	9
Birch Ericaceous Low Shrub	Freshwater Shrub	79,000	1	122,000	2	77,000	2	77,000	2	77,000	2
Low-Tall Willow	Freshwater Shrub	390,000	5	369,000	5	198,000	5	198,000	5	196,000 198,000	5
Alder	Freshwater Shrub	0	0	0	0	0	0	0	0	0	0
<i>Dryas</i> Dwarf Shrub	Upland	179,000	2	178,000	2	68,000	2	68,000	2	68,000	2
Sparsely Vegetated	Upland	200,000	3	198,000	3	21,000	1	21,000	1	21,000	1

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Vegetation Class	Wetland Type	Closed to Leasing									
		Alternative A		Alternative B		Alternative C		Alternative D		Alternative E	
		Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
Bare Ground	Upland	154,000	2	149,000	2	21,000	1	21,000	1	18,000 21,000	0 1
Ice/Snow	Unknown	0	0	0	0	0	0	0	0	0	0
Burned Area	Unknown	0	0	0	0	0	0	0	0	0	0
Unclassified	Unknown	1,000	0	1,000	0	0	0	0	0	0	0
Totals		7,550,000	100	7,860,000	100	4,170,000	100	4,170,000	100	4,100,000 4,169,000	100

Source: BLM GIS 2019

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

APPENDIX L

*Page L-5, Table L-4

Table L- 4
Acreage within Fish Habitat Units Open, Open under Specific Lease Stipulations, and Closed to Fluid Mineral Leasing by
Alternative (Existing Lease Acreage in Parentheses)

Fish Habitat Unit	Alternative [acres x 1000]				
	A	B	C	D	E
Coastal Marine	429	429	429	429	429
Open-CSU ¹	–	–	–	–	–
Open-NSO ²	3	–	34	289	295
Open-STC ³	–	–	–	7	–
Open-TL ⁴	–	–	–	–	–
Closed	425	429	394	133	133
Coastal Plain	9,193	9,193	9,193	9,193	9,193
Open-CSU	–	–	–	434	438
Open-NSO	1,245 (481)	2,045 (539)	3,427 (602)	2,744 (503)	2,927 2,292 (634)
Open-STC	4,730 (1,672)	3, 293 (1,157)	4,247 (1,369)	4, 826 (1,401)	4,653 4,629 (1,311)
Open-TL	–	–	479 (216)	1,159 (284)	1,176 (242)
Closed	3,218 (34)	3,855 (491)	1,041	31	–
Foothills	4,674	4,674	4,674	4,674	4,674
Open-NSO	527	464	551	517	514
Open-STC	2,857	2,301	2,360	2,368	2,371
Open-TL	–	–	534	560	560
Closed	1,289	1,909	1,229	1,229	1,229
Lower Colville	1,128	1,128	1,128	1,128	1,128
Open-NSO	485 (247)	811 (305)	516 (265)	514 (264)	446 (259)
Open-STC	643 (174)	317 (116)	612 (157)	614 (157)	682 (162)
Closed	–	–	–	–	–

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Fish Habitat Unit	Alternative [acres x 1000]				
	A	B	C	D	E
Mountain Headwaters	4,201	4,201	4,201	4,201	4,201
Open -NSO	95	561	511	491	1,297
Open-STC	444	545	850	867	930
Open-TL	–	–	2,058	2,061	1,192
Closed	3,663	3,095	782	782	782
Utukok/Kokolik	3,127	3,127	3,127	3,127	3,127
Open-NSO	133	251	229	177	459
Open-STC	599	310	398	451	451
Open-TL	–	–	502	502	260
Closed	2,395	2,566	1,997	1,197	1,956
Grand Total	22,752,000	22,752,000	22,752,000	22,752,000	22,752,000

Source: BLM GIS 2019

¹Open subject to controlled surface use

²Open subject to no surface occupancy

³Open subject to standard terms and conditions (no special management protections for resources)

⁴Open subject to timing limitation

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page L-7, Table L-7

Table L-7
Acreage within Fish Habitat Units Available, Unavailable with Exceptions, and Unavailable for New Infrastructure by Alternative

Alternative [acres x 1000]									
A		B		C		D		E	
Available		Available		Available		Available		Available	
Coastal Marine Unit	17	Coastal Marine Unit	–	Coastal Marine Unit	–	Coastal Marine Unit	12	Coastal Marine Unit	12
Coastal Plain Unit	6,253	Coastal Plain Unit	4,143	Coastal Plain Unit	6,226	Coastal Plain Unit	6,666	Coastal Plain Unit	6,662 6,639
Foothills Unit	2,858	Foothills Unit	2,318	Foothills Unit	2,930	Foothills Unit	2,930	Foothills Unit	2,933
Lower Colville Unit	643	Lower Colville Unit	317	Lower Colville Unit	614	Lower Colville Unit	614	Lower Colville Unit	689
Mountain Headwaters Unit	444	Mountain Headwaters Unit	586	Mountain Headwaters Unit	2,934	Mountain Headwaters Unit	2,934	Mountain Headwaters Unit	2,128
Utukok/Kokolik Unit	599	Utukok/Kokolik Unit	455	Utukok/Kokolik Unit	958	Utukok/Kokolik Unit	958	Utukok/Kokolik Unit	716
Unavailable except CI¹		Unavailable except CI¹		Unavailable except CI¹		Unavailable except CI¹		Unavailable except CI¹	
Coastal Marine Unit	1	Coastal Marine Unit	5	Coastal Marine Unit	18	Coastal Marine Unit	22	Coastal Marine Unit	22
Coastal Plain Unit	221	Coastal Plain Unit	72	Coastal Plain Unit	215	Coastal Plain Unit	230	Coastal Plain Unit	228 227
Utukok/Kokolik Unit	38								

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Alternative [acres x 1000]									
A		B		C		D		E	
Unavailable except P²		Unavailable except P²		Unavailable except P²		Unavailable except P²		Unavailable except P²	
Coastal Marine Unit	398	Coastal Marine Unit	393	Coastal Marine Unit	398	Coastal Marine Unit	389	Coastal Marine Unit	389
Coastal Plain Unit	44	Coastal Plain Unit	30	Coastal Plain Unit	44	Coastal Plain Unit	188	Coastal Plain Unit	189
Unavailable except RP³		Unavailable except RP³		Unavailable except RP³		Unavailable except RP³		Unavailable except RP³	
Coastal Marine Unit	5	Coastal Marine Unit	–	Coastal Marine Unit	5	Coastal Marine Unit	5	Coastal Marine Unit	6
Coastal Plain Unit	1,448	Coastal Plain Unit	1,033	Coastal Plain Unit	1,464	Coastal Plain Unit	1,474	Coastal Plain Unit	1,540 1,563
Foothills Unit	526	Foothills Unit	446	Foothills Unit	514	Foothills Unit	514	Foothills Unit	511
Lower Colville Unit	484	Lower Colville Unit	809	Lower Colville Unit	513	Lower Colville Unit	513	Lower Colville Unit	437
Mountain Headwaters Unit	95	Mountain Headwaters Unit	520	Mountain Headwaters Unit	485	Mountain Headwaters Unit	485	Mountain Headwaters Unit	1,290
Utukok/Kokolik Unit	134	Utukok/Kokolik Unit	108	Utukok/Kokolik Unit	172	Utukok/Kokolik Unit	172	Utukok/Kokolik Unit	415
Unavailable		Unavailable		Unavailable		Unavailable		Unavailable	
Coastal Marine Unit	7	Coastal Marine Unit	28	Coastal Marine Unit	6	Coastal Plain Unit	406	Coastal Plain Unit	347
Coastal Plain Unit	998	Coastal Plain Unit	3,499	Coastal Plain Unit	943	Foothills Unit	1,229	Foothills Unit	1,229

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Alternative [acres x 1000]									
A		B		C		D		E	
Foothills Unit		Foothills Unit		Foothills Unit		Mountain Headwaters Unit		Mountain Headwaters Unit	
1,289		1,909		1,229		782		782	
Mountain Headwaters Unit		Lower Colville Unit		Mountain Headwaters Unit		Utukok/Kokolik Unit		Utukok/Kokolik Unit	
3,663		-		782		1,956		1,956	
Utukok/Kokolik Unit		Mountain Headwaters Unit		Utukok/Kokolik Unit					
2,354		3,095		1,956		-		-	
-		Utukok/Kokolik Unit	2,525	-		-		-	
-		Corridor		Corridor		-		-	
-		Coastal Marine Unit	3	Coastal Marine Unit	1	-		-	
-		Coastal Plain Unit	187	Coastal Plain Unit	72	-		-	

¹Acreage closed to new infrastructure except for essential coastal infrastructure

²Acreage closed to new infrastructure except for essential pipeline crossings

³Acreage closed to new infrastructure except for essential road and pipeline crossings

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page L-9, Table L-8

Table L-8
Acreeage of Lake Habitats Open, Open under Specific Lease Stipulations, and Closed to Fluid Mineral Leasing by Alternative
(Existing Lease Acreeage in Parentheses) Alternative [acres x 1000]

Alternative [acres x 1000]				
A	B	C	D	E
Lake depth >4 m				
Open-NSO ₁ 138 (104)	Open-NSO 142 (86)	Open-NSO 267 (106)	Open-NSO 473 (106)	Open-NSO 475 (107)
Open-STC ₂ 22 (11)	Open-STC 15 (10)	Open-STC 17 (11)	Open-STC 20 (11)	Open-STC 17(11)
Open-TL ₃ –	Open-TL –	Open-TL 5	Open-TL 8	Open-TL 9.1 (0.4)
Open-CSU ₄ –	Open-CSU –	Open-CSU –	Open-CSU 1	Open-CSU 1
Closed 342 (2)	Closed 346 (22)	Closed 213	Closed –	Closed 0.4
Lake depth 1.6–4 m				
Open-NSO 43 (25)	Open-NSO 147 (40)	Open-NSO 235 (48)	Open-NSO 121 (28)	Open-NSO 133 (41)
Open-STC 491 (228)	Open-STC 322 (153)	Open-STC 441 (183)	Open-STC 509 (190)	Open-STC 491 (181)
Open-TL –	Open-TL –	Open-TL 56 (24)	Open-TL 153 (37)	Open-TL 159 (33)
Open-CSU --	Open-CSU --	Open-CSU	Open-CSU 52	Open-CSU 52
Closed 304 (3)	Closed 369 (62)	Closed 105	Closed 4	Closed 3 4
Lake depth 0–1.6 m				
Open-NSO 38 (10)	Open-NSO 97 (14)	Open-NSO 189 (13)	Open-NSO 147 (11)	Open-NSO 154 149 (13)
Open-STC 264 (56)	Open-STC 175 (42)	Open-STC 230 (47)	Open-STC 272 (48)	Open-STC 268 267(47)
Open-TL –	Open-TL –	Open-TL 29 (7)	Open-TL 53 (8)	Open-TL 54 (8)
Open-CSU –	Open-CSU –	Open-CSU –	Open-CSU 53	Open-CSU 55
Closed 233 (2)	Closed 263 (12)	Closed 86	Closed 10	Closed 7 10

¹Open subject to controlled surface use²Open subject to no surface occupancy³Open subject to standard terms and conditions (no special management protections for resources)⁴Open subject to timing limitation

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Page L-10, Table L-9

Table L-9
Acreage of Lake Habitats Available, Conditionally Available (Available with Restrictions), and Unavailable for New Infrastructure by Alternative

Lake Depth	Alternative [acres x 1000]				
	A	B	C	D	E
>4 m					
Available ¹	281	16	278	281	276
Conditional ²	7	2	7	7	13
Unavailable	213	481	216	213	211
1.6–4 m					
Available	644	426	645	713	715
Conditional	71	67	80	81	90 91
Unavailable	107	329	97	27	16
0–1.6 m					
Available	353	234	355	380	386 384
Conditional	83	53	93	121	120 121
Unavailable	88	235	74	22	17

¹Includes areas available for pipeline corridors; approximate pipeline corridor locations were defined for analysis; however, actual locations may differ

²Includes areas which are closed to new infrastructure development except for essential pipeline crossings, essential road crossings, or essential coastal infrastructure.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

APPENDIX R

*Page R-2, Table R-2

Table R-2
Percent of Female Caribou of the Western Arctic Herd (1987–2018) Expected to be in Areas of Different Fluid Mineral Leasing Status

Season	Fluid Mineral Leasing	Alternative				
		A	B	C	D	E
Spring	Closed to Leasing	44.3	46.7	34.8	34.7	34.7
	No Surface Occupancy	1.2	1.5	2.6	2.3	5.7
	Controlled Surface Use	—	—	—	0	0
	Timing Limitations	—	—	10.2	10.4	6.9
	Standard Terms and Conditions	5.2	2.4	3.0	3.3	3.3
	Existing Leases (Assumed STC)	0.4	0.4	0.4	0.4	0.4
Calving	Closed to Leasing	82.4	86.1	78.2	78.1	78.1
	No Surface Occupancy	0.9	0.4	1.3	1.2	2.8
	Controlled Surface Use	—	—	—	0	0
	Timing Limitations	—	—	6.9	7.0	5.4
	Standard Terms and Conditions	4.2	1.0	1.1	1.2	4.1 1.2
	Existing Leases (Assumed STC)	0.1	0.1	0.1	0.1	0.1
Postcalving	Closed to Leasing	29.6	30.5	28.3	28.1	28.1
	No Surface Occupancy	0.2	0.1	0.4	0.4	1.3
	Controlled Surface Use	—	—	—	0	0
	Timing Limitations	—	—	1.9	2	1.2
	Standard Terms and Conditions	1.1	0.2	0.3	0.3	0.3
	Existing Leases (Assumed STC)	0.1	0.1	0.1	0.1	0.1
Summer	Closed to Leasing	33.0	32.0	5.9	5.8	5.8
	No Surface Occupancy	0.6	2.0	3.6	3.4	17.2
	Controlled Surface Use	—	—	—	0.0	0.0
	Timing Limitations	—	—	23.5	23.6	9.7 9.6
	Standard Terms and Conditions	3.3	2.9	3.9	4.0	4.2 4.1
	Existing Leases (Assumed STC)	0.0	0.0	0.0	0.0	0.0

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Season	Fluid Mineral Leasing	Alternative				
		A	B	C	D	E
Late Summer	Closed to Leasing	23.2	23.2	11.6	11.6	11.5
	No Surface Occupancy	2.3	4.6	4.3	3.9	7.3
	Controlled Surface Use	—	—	—	0.0	0.0
	Timing Limitations	—	—	10.1	10.2	6.4
	Standard Terms and Conditions	10.9	8.6	10.4	10.8	11.1
	Existing Leases (Assumed STC)	0.4	0.4	0.4	0.4	0.4
Fall	Closed to Leasing	6.3	6.7	3.0	2.9	2.9
	No Surface Occupancy	1.4	2.5	2.5	2.0	3.1
	Controlled Surface Use	—	—	—	0.0	0.0
	Timing Limitations	—	—	2.9	3.0	1.9
	Standard Terms and Conditions	6.2	4.7	5.6	6.0	6.1 6.0
	Existing Leases (Assumed STC)	1.0	1.0	1.0	1.0	1.0
Winter	Closed to Leasing	3.0	2.8	1.0	0.9	0.9
	No Surface Occupancy	0.7	1.4	1.3	1.0	1.7
	Controlled Surface Use	—	—	—	0.0	0.0
	Timing Limitations	—	—	1.4	1.5	0.9
	Standard Terms and Conditions	3.2	2.6	3.1	3.4	3.4
	Existing Leases (Assumed STC)	0.7	0.7	0.7	0.7	0.7

Note: Calculated from the Alaska Department of Fish and Games seasonal utilization distributions of collared female caribou 1987–2018 (Appendix A of the Final IAP/EIS, Map 3-21). Utilization distributions were calculated using kernel density estimation and the plugin bandwidth estimator (see Prichard et al. 2019 for a description of the methods).

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Pages R-4 and R-5, Table R-4

Table R-4
Percent of Female Caribou of the Teshekpuk Caribou Herd Expected to be in Areas with Different Fluid Mineral Leasing Status

Season	Fluid Mineral Leasing	Alternative				
		A	B	C	D	E
Spring	Closed to Leasing	37.1	37.3	13.9	2.9	2.8 2.9
	No Surface Occupancy	4.2	8.5	22.0	16.7	15.6
	Controlled Surface Use	—	—	—	1.2	1.3 1.2
	Timing Limitations	—	—	4.5	17.1	18.0 18.1
	Standard Terms and Conditions	17.0	12.4	17.9	20.4	20.6 20.5
	Existing Leases (Assumed STC)	18.2	18.2	18.2	18.2	18.2
	Closed/NSO under new IAP ²	4.4	10.7	5.8	4.3	5.7
Calving ¹	Closed to Leasing	73.1	76.4	46.6	1.3	1.3
	No Surface Occupancy	2.3	4.3	25.8	33.8	29.0 29.1
	Controlled Surface Use	—	—	—	6.1	6.4 6.2
	Timing Limitations	—	—	5.0	34.7	39.4 39.3
	Standard Terms and Conditions	10.1	5.0	8.2	9.9	9.8
	Existing Leases (Assumed STC)	11.3	11.3	11.3	11.3	11.3 11.1
	Closed/NSO under new IAP ²	2.3	9.3	3.9	1.7	2.8
Postcalving	Closed to Leasing	72.4	75.3	43.0	2.4	2.4 2.5
	No Surface Occupancy	2.4	4.1	27.6	33.2	29.9
	Controlled Surface Use	—	—	—	7.9	8.1 8.0
	Timing Limitations	—	—	5.4	30.6	33.6 33.8
	Standard Terms and Conditions	10.1	5.4	8.9	10.8	10.8
	Existing Leases (Assumed STC)	11.2	11.2	11.2	11.2	11.2 11.1
	Closed/NSO under new IAP ²	2.6	9.0	4.0	1.8	3.0
Mosquito	Closed to Leasing	81.4	82.9	50.6	0.3	0.2 0.3
	No Surface Occupancy	1.1	2.0	27.7	43.7	42.8 42.7
	Controlled Surface Use	—	—	—	18.7	18.8
	Timing Limitations	—	—	3.0	16.4	17.6 17.7
	Standard Terms and Conditions	4.2	1.7	5.4	7.5	7.2
	Existing Leases (Assumed STC)	5.8	5.8	5.8	5.8	5.8 5.7
	Closed/NSO under new IAP ²	1.8	5.2	2.2	0.8	1.5 1.6

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Season	Fluid Mineral Leasing	Alternative				
		A	B	C	D	E
Oestrid Fly	Closed to Leasing	54.5	54.9	22.9	0.7	0.5 0.7
	No Surface Occupancy	4.2	8.4	29.6	29.2	28.6 28.5
	Controlled Surface Use	—	—	—	7.1	7.2
	Timing Limitations	—	—	4.2	16.2	16.9 17.0
	Standard Terms and Conditions	15.9	11.4	18.0	21.5	21.4 21.3
	Existing Leases (Assumed STC)	18.9	18.9	18.9	18.9	18.9 18.7
	Closed/NSO under new IAP ²	4.8	11.0	5.8	4.3	5.4
Late Summer	Closed to Leasing	39.3	38.5	11.1	0.9	0.9
	No Surface Occupancy	5.5	10.6	27.4	19.2	18.0
	Controlled Surface Use	—	—	—	1.6	1.6
	Timing Limitations	—	—	3.8	17.3	18.2 18.3
	Standard Terms and Conditions	21.5	17.2	24.1	27.4	27.6 27.5
	Existing Leases (Assumed STC)	29.9	29.9	29.9	29.9	29.9 29.8
	Closed/NSO under new IAP ²	6.8	15.5	8.7	6.6	8.6
Fall	Closed to Leasing	24.5	24.6	7.0	0.7	0.5 0.7
	No Surface Occupancy	5.0	10.2	19.6	13.8	13.4
	Controlled Surface Use	—	—	—	1.2	1.3 1.2
	Timing Limitations	—	—	2.5	10.6	11.1 11.2
	Standard Terms and Conditions	19.0	13.7	19.4	22.3	22.2 22.1
	Existing Leases (Assumed STC)	24.1	24.1	24.1	24.1	24.1
	Closed/NSO under new IAP ²	6.2	12.6	7.6	6.1	8.1 8.2
Winter	Closed to Leasing	17.6	17.7	4.5	0.6	0.5 0.6
	No Surface Occupancy	4.8	9.6	15.2	11.1	11.7
	Controlled Surface Use	—	—	—	1.1	1.2
	Timing Limitations	—	—	2.9	7.1	6.8
	Standard Terms and Conditions	18.9	14.0	18.6	21.3	21.1 21.0
	Existing Leases (Assumed STC)	17.5	17.5	17.5	17.5	17.5
	Closed/NSO under new IAP ²	4.4	8.6	5.3	4.5	5.6 5.7

Source: ADFG. Calculated from the seasonal utilization distributions of collared female caribou 1990–2018 (Appendix A of the Final IAP/EIS, Map 3-22). Utilization distributions were calculated using kernel density estimation and the plug-in bandwidth estimator (see Prichard et al. 2019 for a description of the methods).

¹Parturient Caribou only 2002–2018.

²Areas that are currently leased but are in areas that would have been closed to leasing or no surface occupancy (NSO) in the Final IAP/EIS.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Pages R-6 and R-7, Table R-5

Table R-5
Percent of Female Caribou of the Teshekpuk Caribou Herd Expected to be in Areas with Different Infrastructure Allowed

Season	Land Status	Alternative				
		A	B	C	D	E
Spring	Closed to New Infrastructure	15.4	41.4	13.1	6.6	5.2
	Coastal Infrastructure Only	0.7	0.2	0.7	0.8	0.8 0.7
	Pipeline Crossings Only	0.4	0.2	0.4	0.9	0.9 1.0
	Roads/Pipelines Crossings Only	11.7	7.7	12.1	12.1	13.3 13.4
	Infrastructure Corridor	—	2.4	0.7	—	—
	Available for New Infrastructure	47.4	23.7	48.6	55.1	55.3 55.2
Calving ¹	Closed to New Infrastructure	46.0	77.4	43.4	17.7	12.8 12.9
	Coastal Infrastructure Only	1.1	0.1	1.1	1.6	1.5
	Pipeline Crossings Only	0.5	0.1	0.5	5.2	5.2 5.3
	Roads/Pipelines Crossings Only	9.3	3.0	9.3	9.5	10.4 10.5
	Infrastructure Corridor	—	6.4	3.0	—	—
	Available for New Infrastructure	39.3	9.2	38.8	62.1	66.1 66.0
Postcalving	Closed to New Infrastructure	42.3	76.4	39.9	14.6	11.2 11.3
	Coastal Infrastructure Only	1.4	0.1	1.5	2.2	2.1 2.0
	Pipeline Crossings Only	0.6	0.2	0.6	6.5	6.5 6.6
	Roads/Pipelines Crossings Only	11.0	3.1	11.0	11.2	12.2 12.3
	Infrastructure Corridor	—	5.9	2.8	—	—
	Available for New Infrastructure	40.2	9.7	39.7	61.0	63.4 63.3
Mosquito	Closed to New Infrastructure	48.7	79.1	45.3	11.7	10.2 10.3
	Coastal Infrastructure Only	3.1	0.1	3.4	5.1	5.0 4.8
	Pipeline Crossings Only	1.5	0.9	1.5	14.9	14.9 15.0
	Roads/Pipelines Crossings Only	9.3	1.0	9.2	9.7	10.5
	Infrastructure Corridor	—	6.8	4.1	—	—
	Available for New Infrastructure	28.7	3.4	27.9	50.0	50.9 50.8
Oestrid Fly	Closed to New Infrastructure	22.4	56.1	19.6	5.7	4.5
	Coastal Infrastructure Only	2.2	0.3	2.4	3.1	3.0
	Pipeline Crossings Only	1.1	0.7	1.1	6.7	6.7 6.8
	Roads/Pipelines Crossings Only	13.8	6.8	13.9	14.0	14.8 15.0
	Infrastructure Corridor	—	4.4	2.5	—	—
	Available for New Infrastructure	52.3	23.6	52.4	62.4	62.8 62.7

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

Season	Land Status	Alternative				
		A	B	C	D	E
Late Summer	Closed to New Infrastructure	10.8	44.9	10.2	3.7	2.7
	Coastal Infrastructure Only	1.1	0.1	1.1	1.2	1.1
	Pipeline Crossings Only	0.5	0.2	0.5	1.2	1.2
	Roads/Pipelines Crossings Only	15.4	10.0	15.5	15.6	16.8 16.9
	Infrastructure Corridor	—	2.7	0.9	—	—
	Available for New Infrastructure	67.0	36.7	66.6	73.1	72.9 72.8
Fall	Closed to New Infrastructure	7.0	29.0	6.2	2.2	1.6
	Coastal Infrastructure Only	0.9	0.2	1.0	1.0	0.9
	Pipeline Crossings Only	0.6	0.4	0.6	0.9	0.9
	Roads/Pipelines Crossings Only	12.8	10.6	13.1	13.1	14.7 14.9
	Infrastructure Corridor	—	1.8	0.5	—	—
	Available for New Infrastructure	50.4	29.6	50.3	54.4	53.5 53.3
Winter	Closed to New Infrastructure	5.8	20.0	3.8	1.6	1.2
	Coastal Infrastructure Only	0.7	0.2	0.7	0.8	0.7
	Pipeline Crossings Only	0.5	0.4	0.5	0.8	0.8
	Roads/Pipelines Crossings Only	9.9	8.7	10.3	10.3	11.6 11.8
	Infrastructure Corridor	—	1.0	0.3	—	—
	Available for New Infrastructure	40.8	27.3	42.0	44.2	43.3 43.1

Source: ADFG. Calculated from the seasonal utilization distributions of collared female caribou 1990–2018 (Appendix A of the Final IAP/EIS, Map 3-22). Utilization distributions were calculated using kernel density estimation and the plug-in bandwidth estimator (see Prichard et al. 2019 for a description of the methods).

¹Parturient Caribou only 2002–2018.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.

*Page R-16, Table R-10

Table R-10
Wolverine Occupancy Estimates by Fluid Mineral Lease Status (Percent of Total Area)

Season	Fluid Mineral Leasing	Alternative				
		A	B	C	D	E
Low Occupancy¹ (0–0.249) (6,006,000 acres)	Closed to Leasing/NSO	45.4	66.1	50.6	35.7	35.9 31.0
	Controlled Surface Use	—	—	—	3.7	3.7
	Timing Limitations	—	—	6.4	10.1	10.7
	Standard Terms and Conditions	44.2	23.5	32.6	40.0	39.3 38.9
	Existing Lease (Assumed STC)	10.4	10.4	10.4	10.4	10.4 6.0
	Closed/NSO under new IAP	2.6	6.1	2.6	2.2	2.1
Mid-Low Occupancy¹ (0.25–0.499) (2,353,000 acres)	Closed to Leasing/NSO	55.5	68.8	54.8	47.1	46.4
	Controlled Surface Use	—	—	—	0.0	0.0
	Timing Limitations	—	—	11.9	19.1	19.4
	Standard Terms and Conditions	39.3	26.0	28.1	28.6	29.0
	Existing Lease (Assumed STC)	5.2	5.2	5.2	5.2	5.2
	Closed/NSO under new IAP	2.0	2.2	2.1	2.0	1.7
Mid-High Occupancy¹ (0.50–0.749) (2,114,000 acres)	Closed to Leasing/NSO	66.9	70.3	58.4	51.4	50.0
	Controlled Surface Use	—	—	—	0.1	0.2
	Timing Limitations	—	—	9.7	16.1	16.3
	Standard Terms and Conditions	26.9	23.5	25.7	26.1	27.2
	Existing Lease (Assumed STC)	6.2	6.2	6.2	6.2	6.2
	Closed/NSO under new IAP	2.5	3.4	3.0	2.5	2.8
High Occupancy¹ (0.75–1.00) (7,986,000 acres)	Closed to Leasing/NSO	48.7	49.5	32.4	31.0	30.0
	Controlled Surface Use	—	—	—	—	—
	Timing Limitations	—	—	9.7	11.0	10.5
	Standard Terms and Conditions	35.3	34.5	41.9	42	43.5
	Existing Lease (Assumed STC)	16.0	16.0	16.0	16.0	16.0
	Closed/NSO under new IAP	3.8	6.4	4.6	3.9	5.0

Source: Poley et al. 2018. Occupancy estimates reflect probability that wolverine tracks were present in an area during winter surveys after correcting for detectability.

(*) denotes a follow-on change from correcting the acreage available for leasing for Alternative E in Table 2-1.