

APPENDIX A

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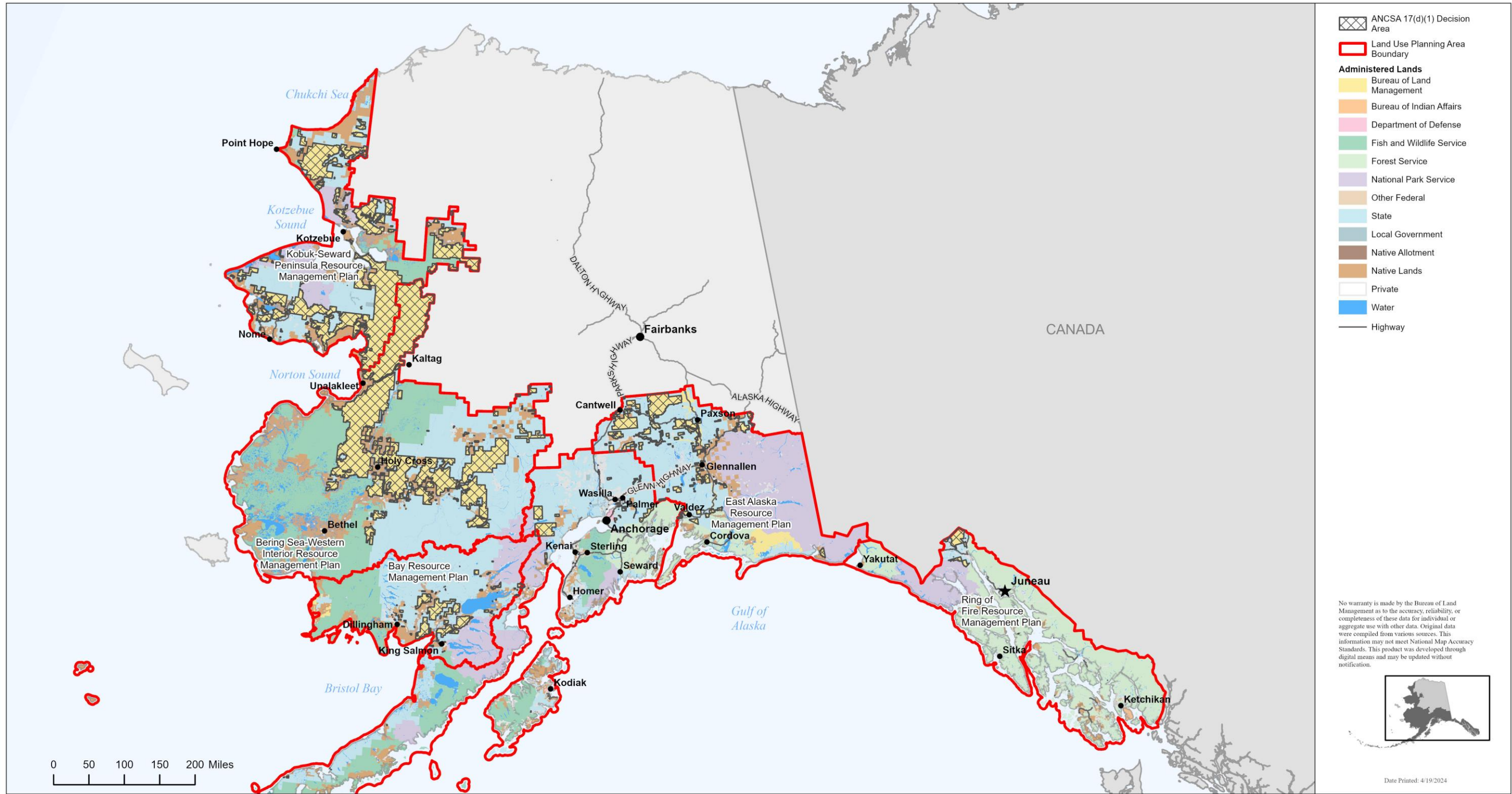


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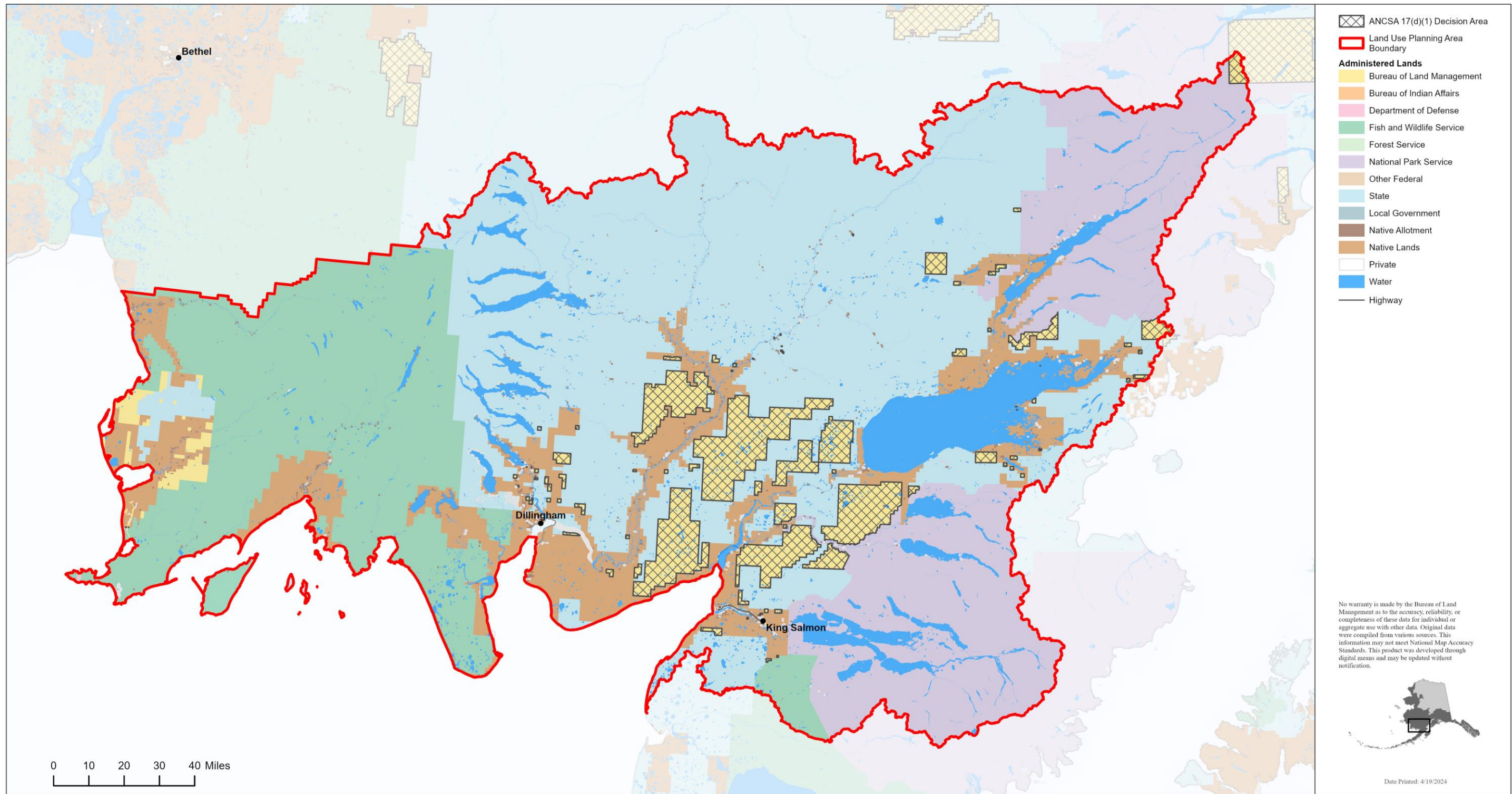


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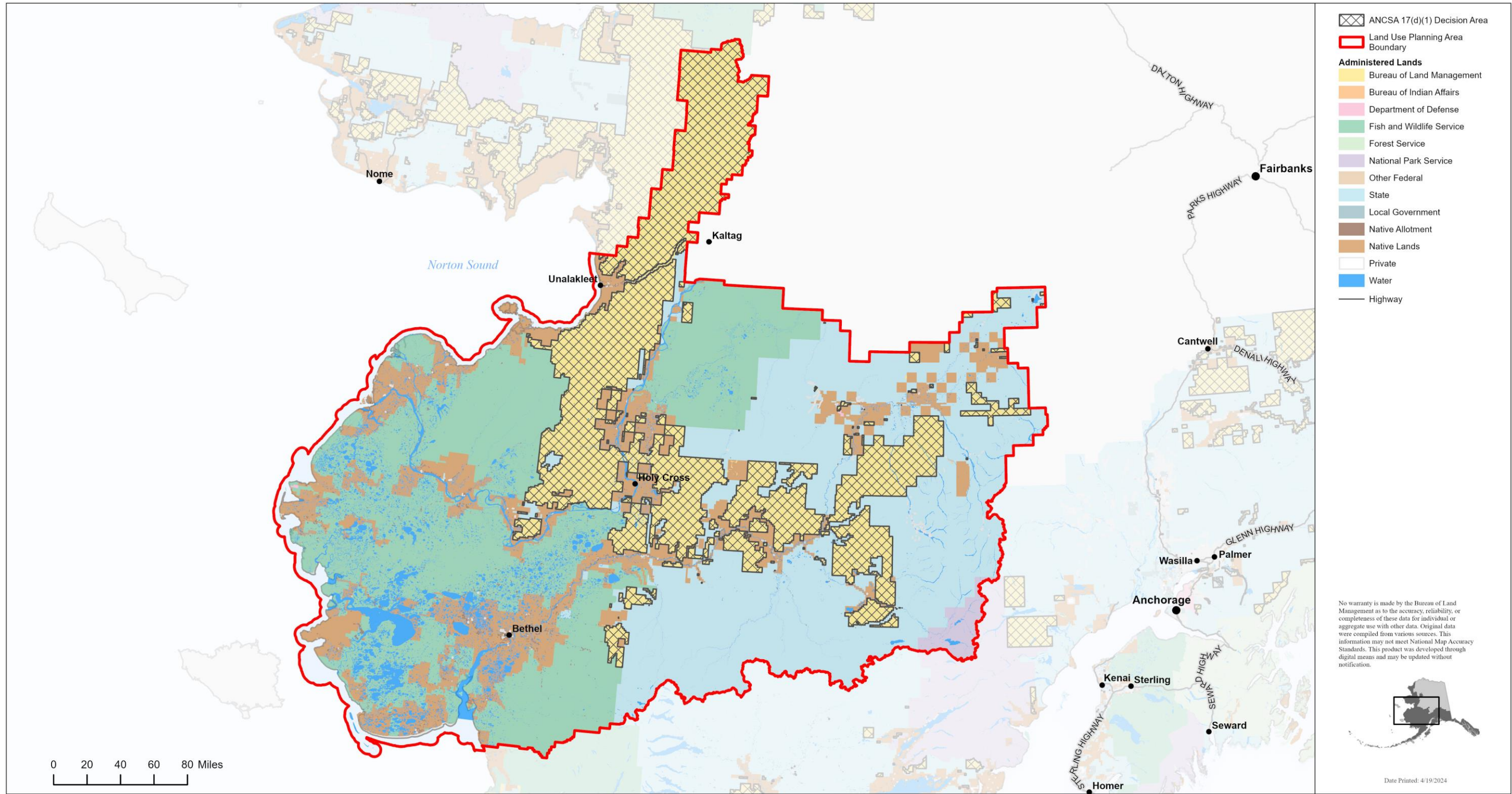


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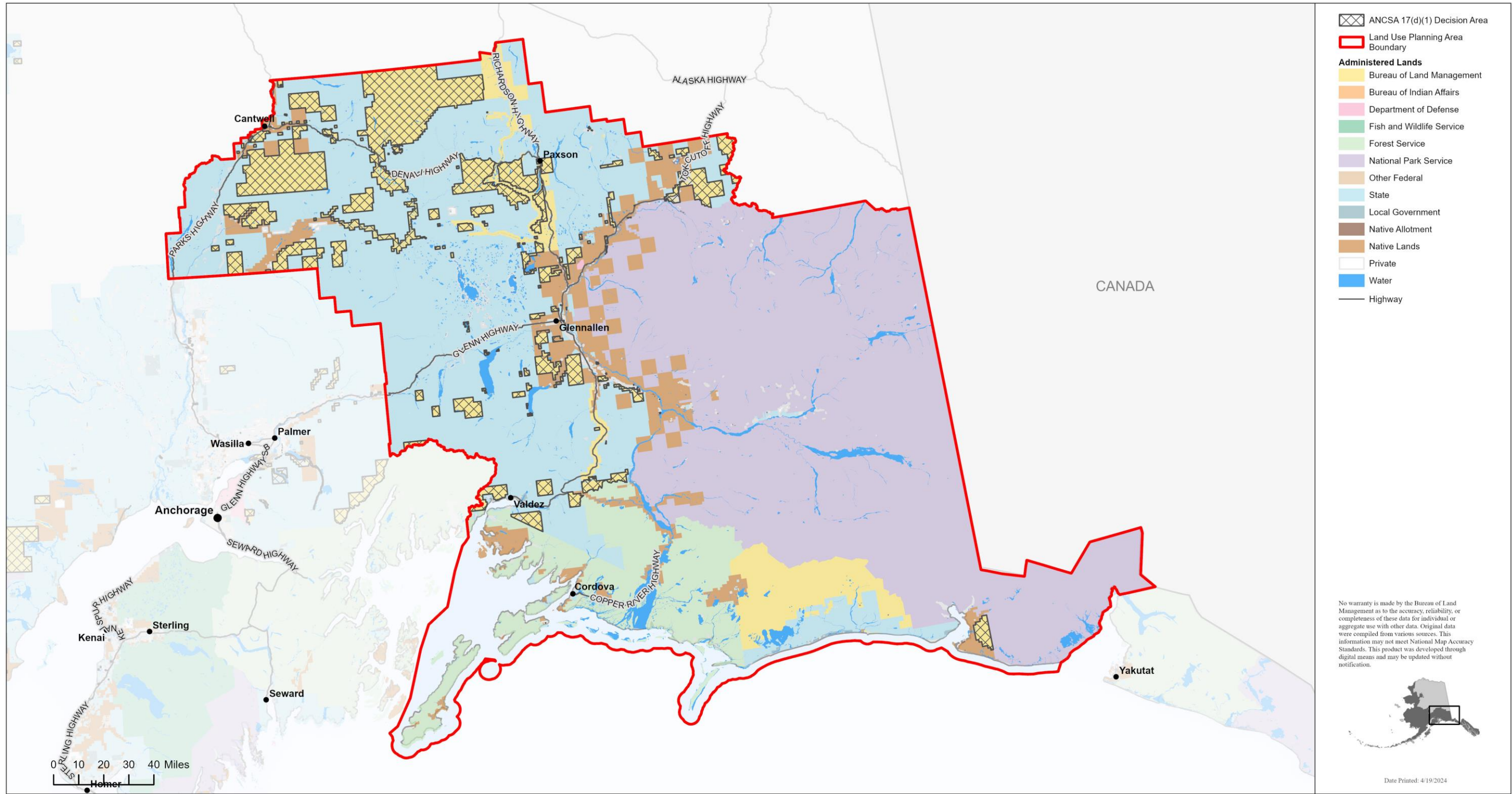


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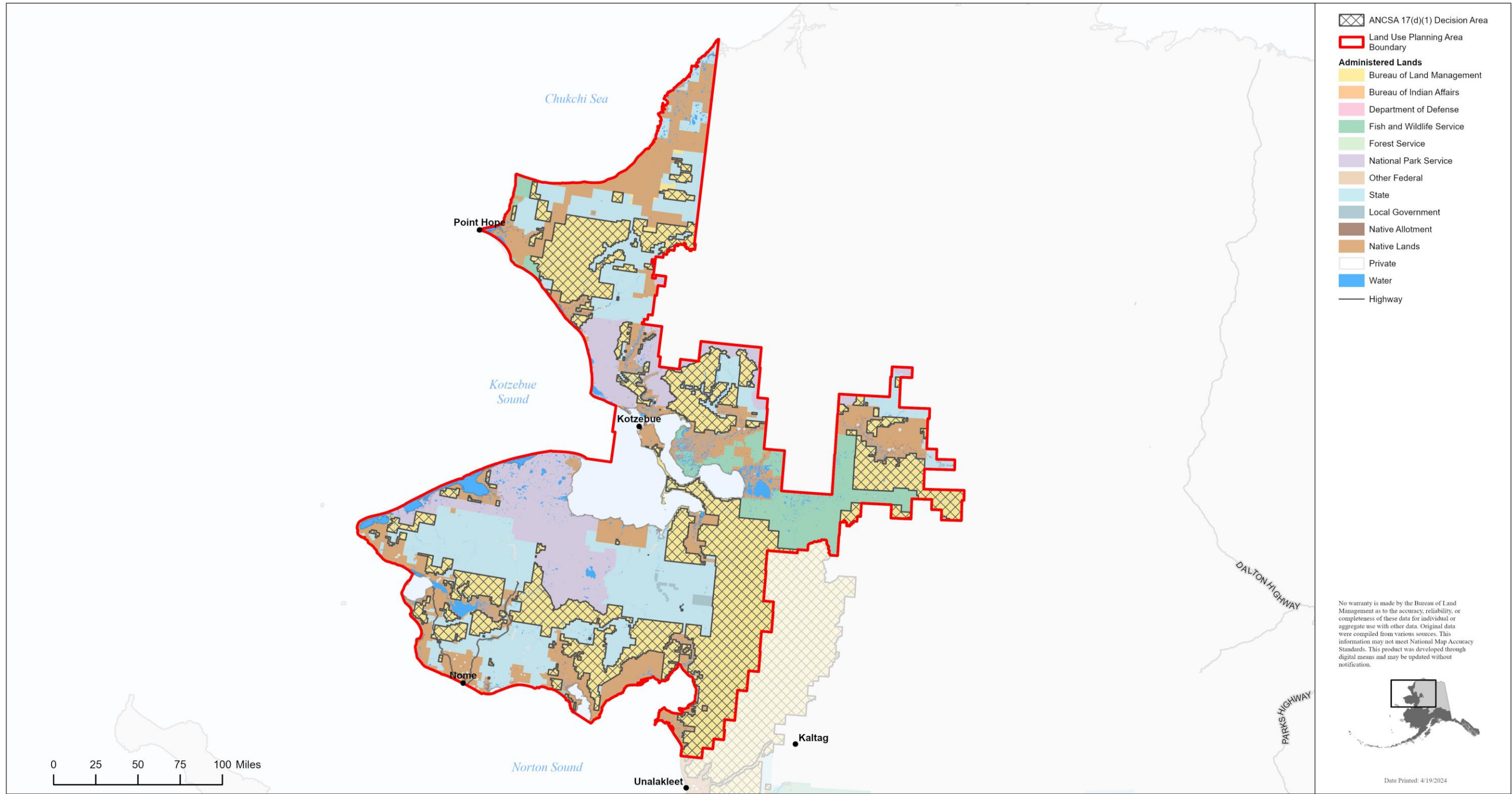


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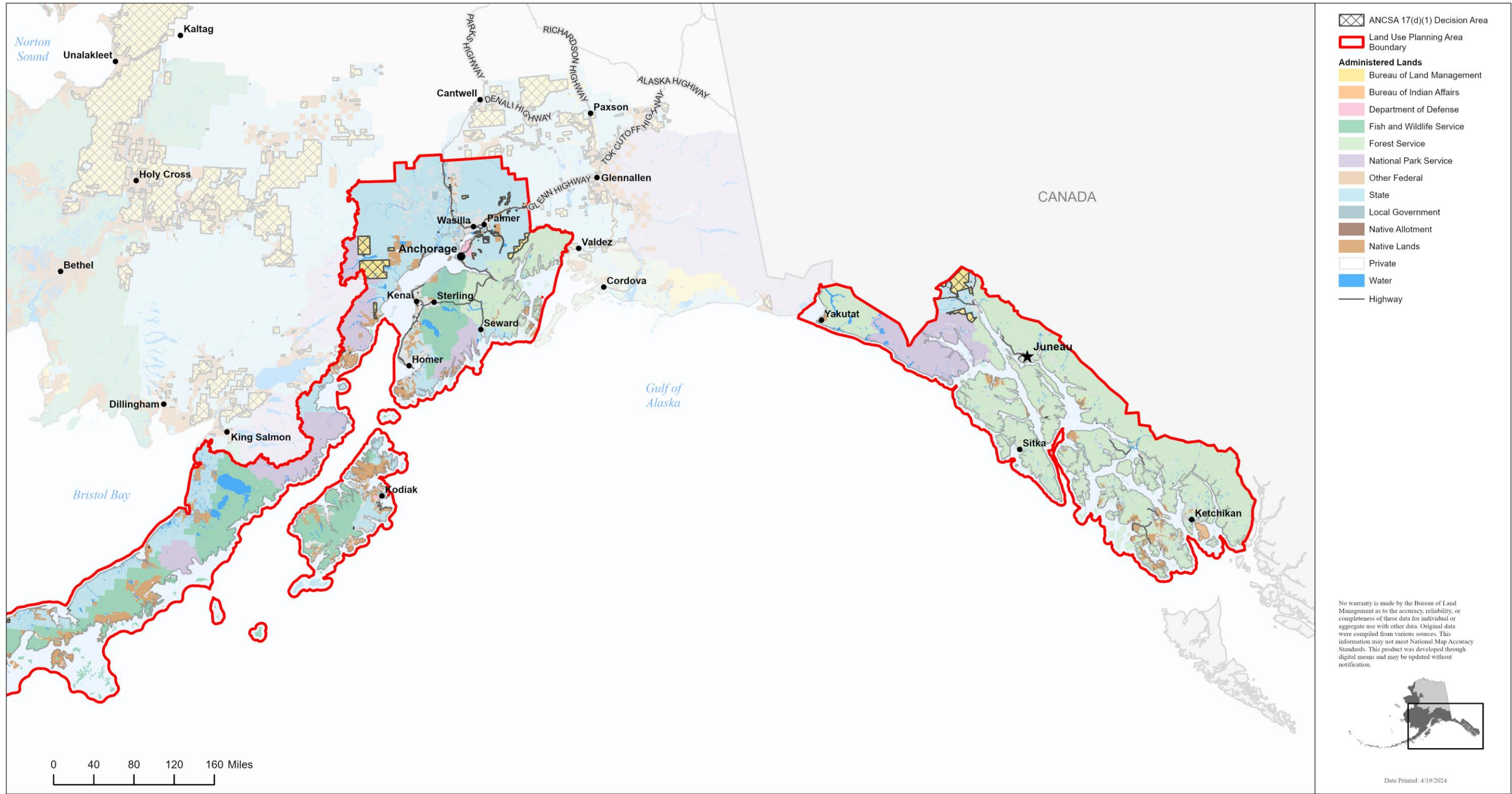


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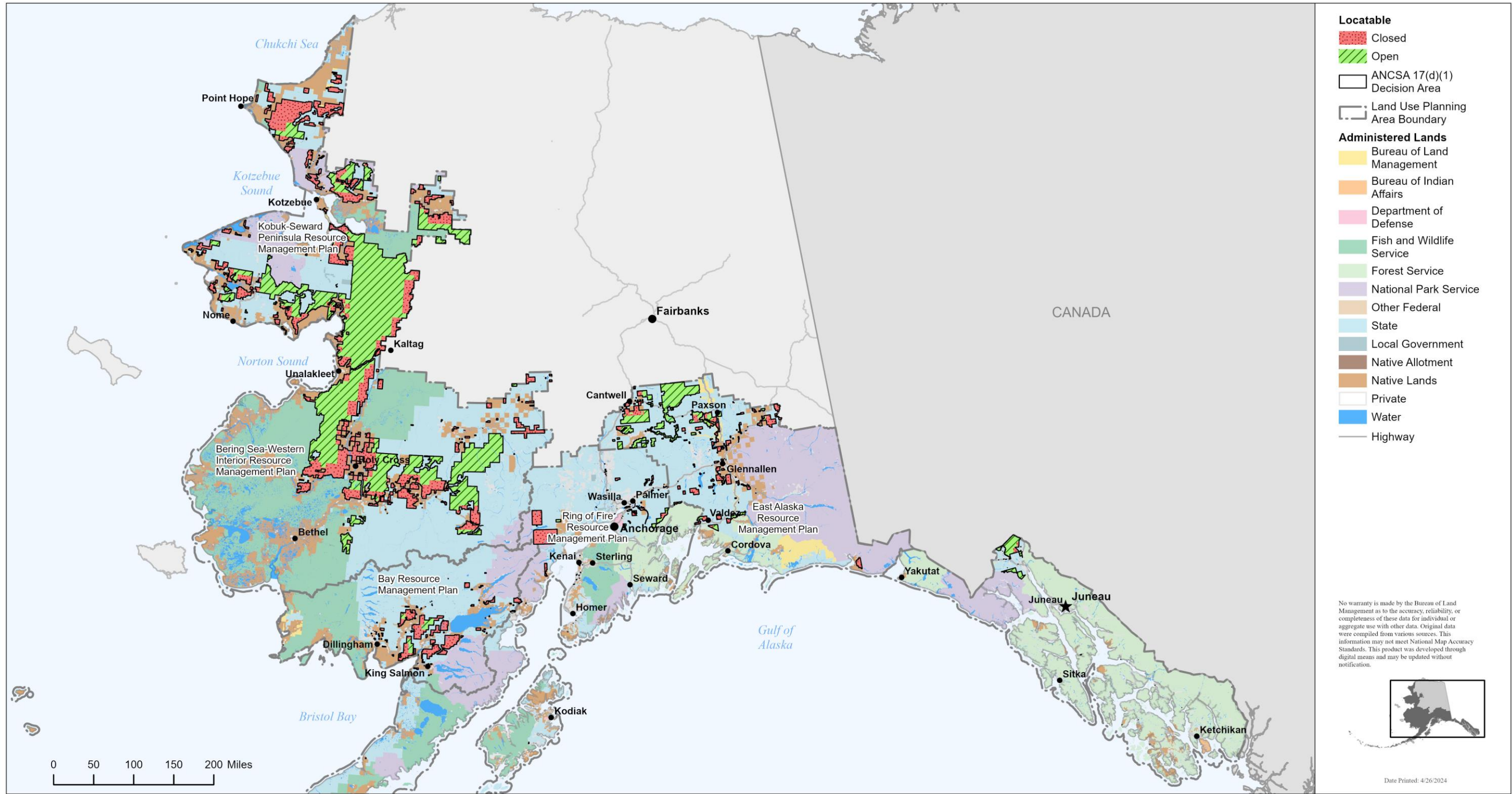


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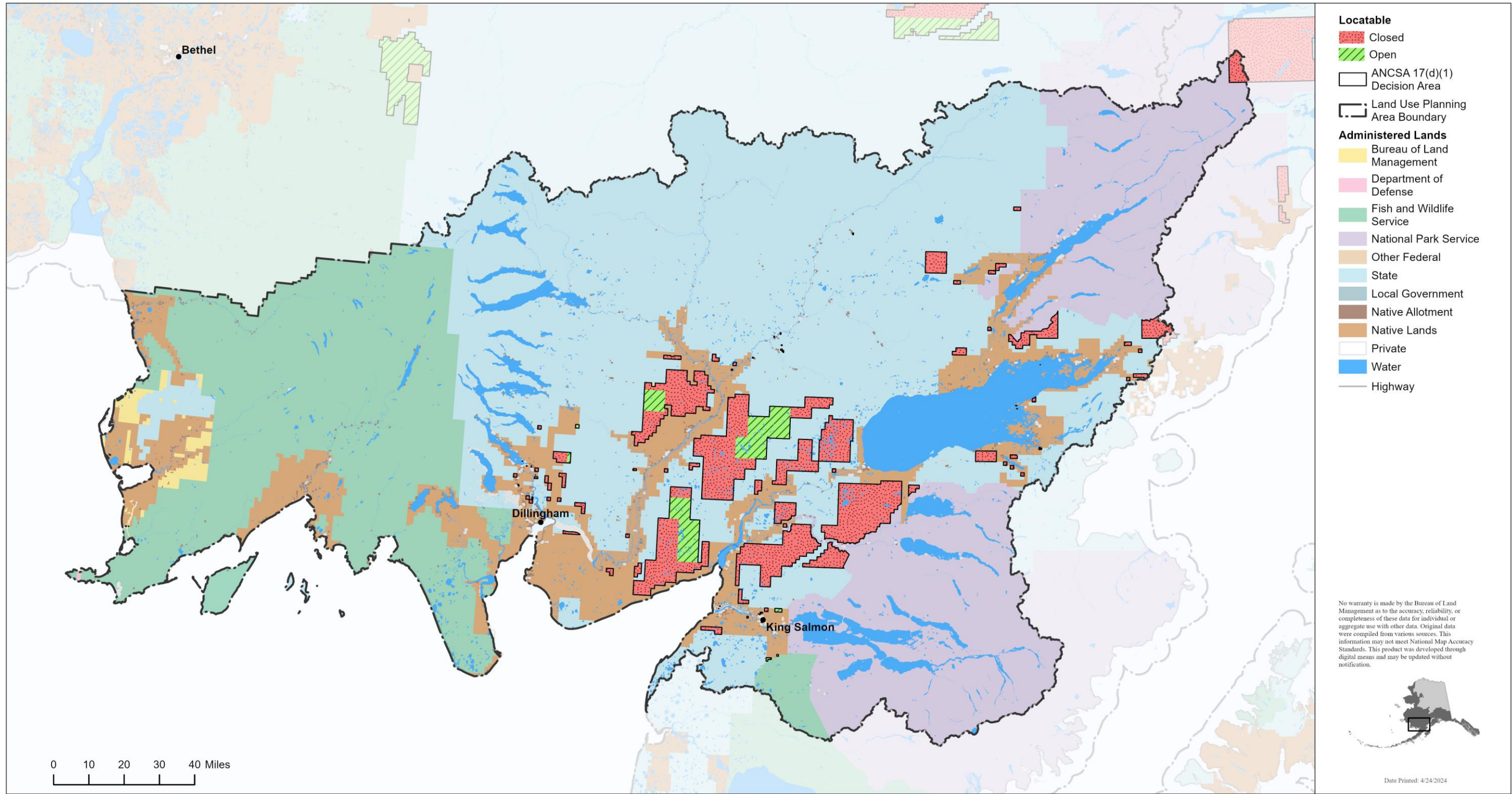


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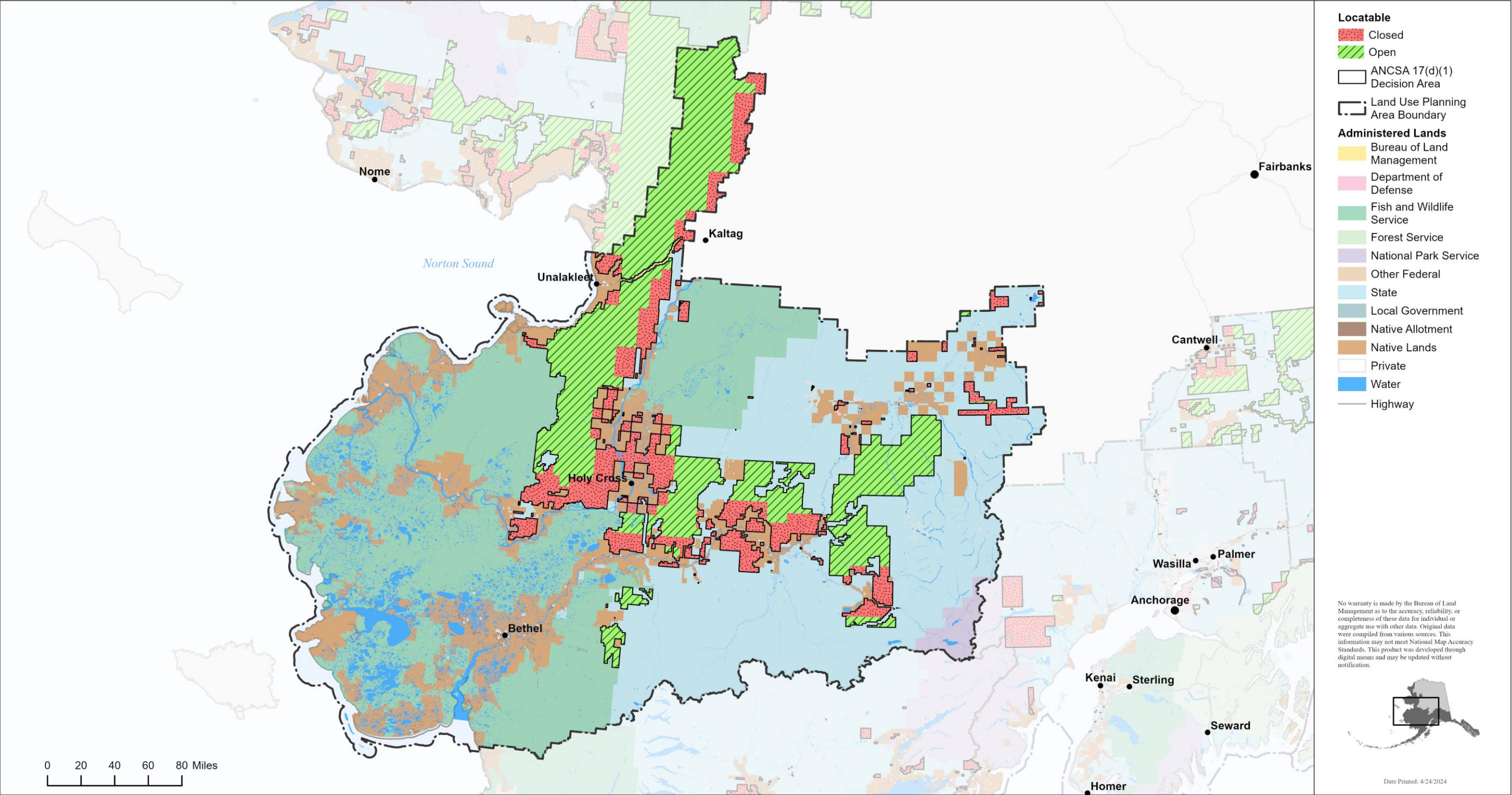


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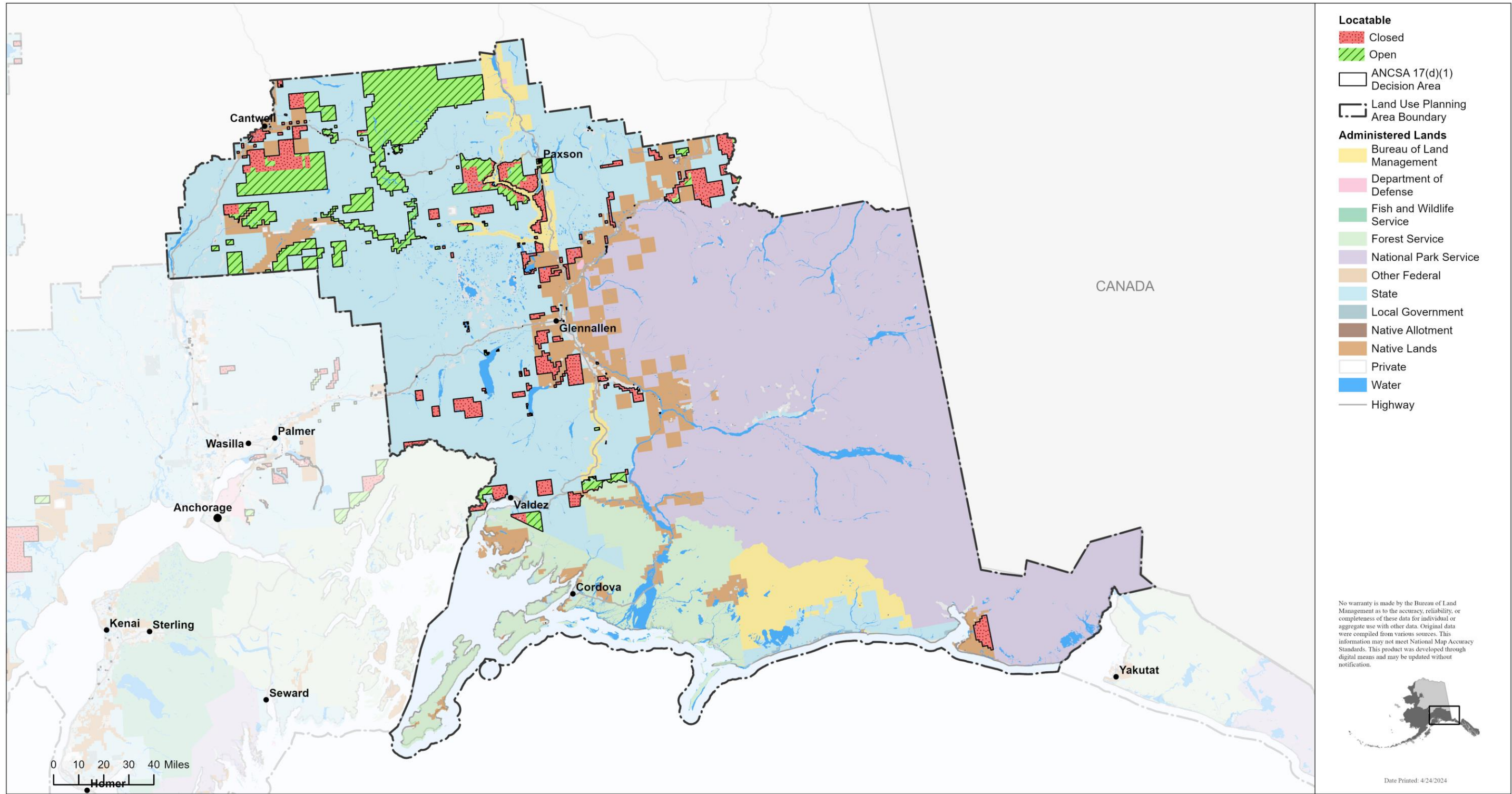


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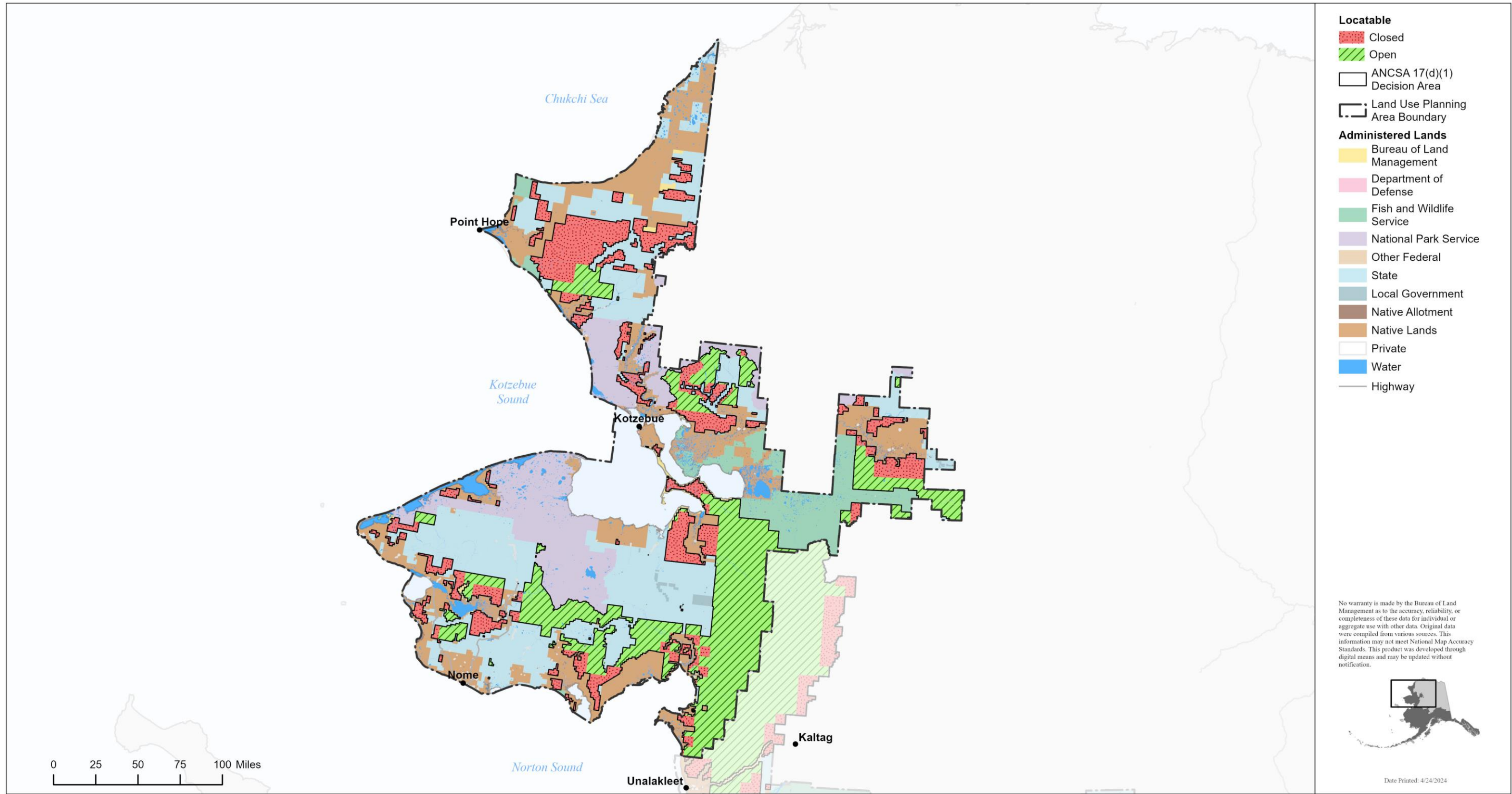


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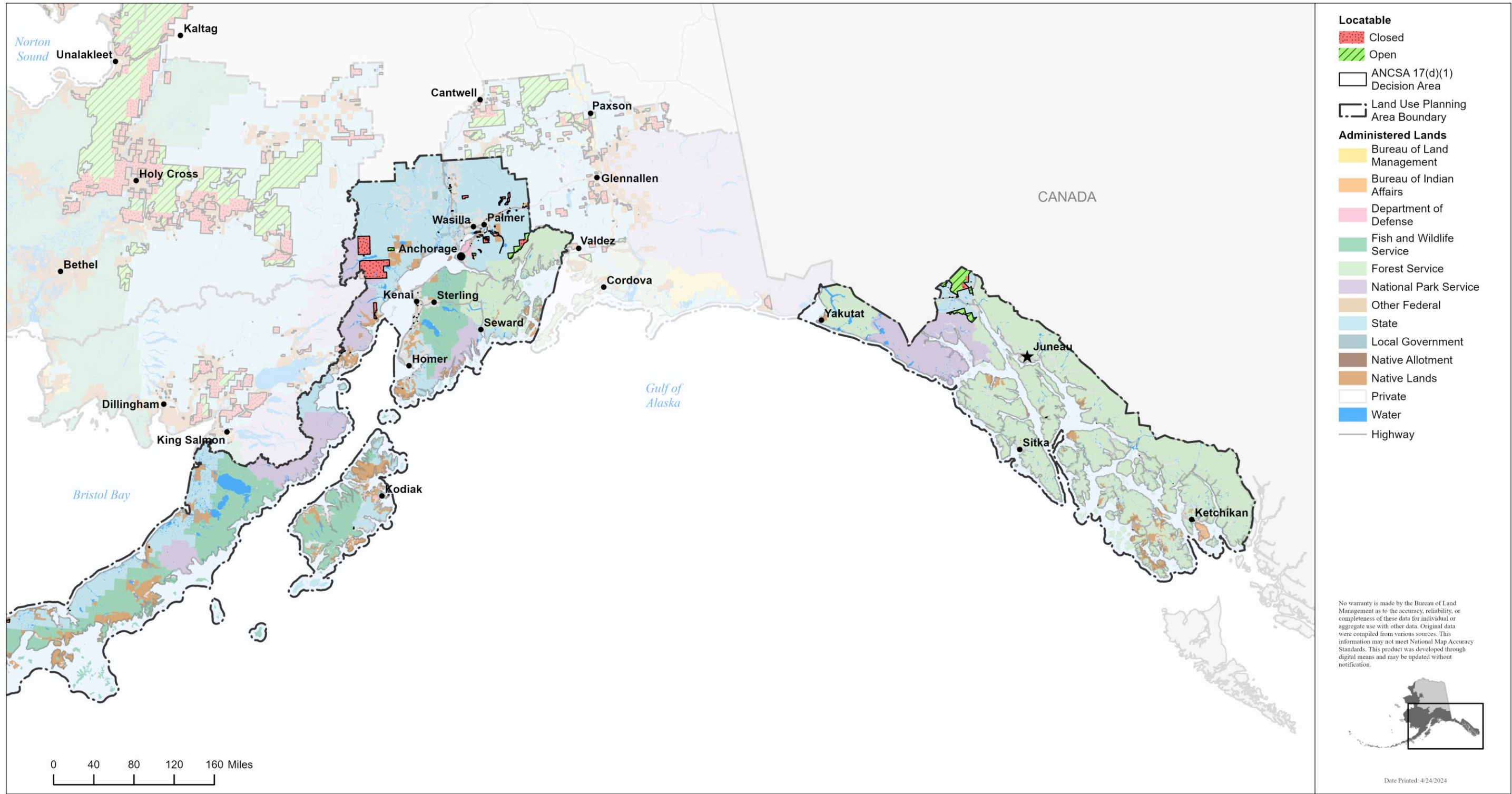


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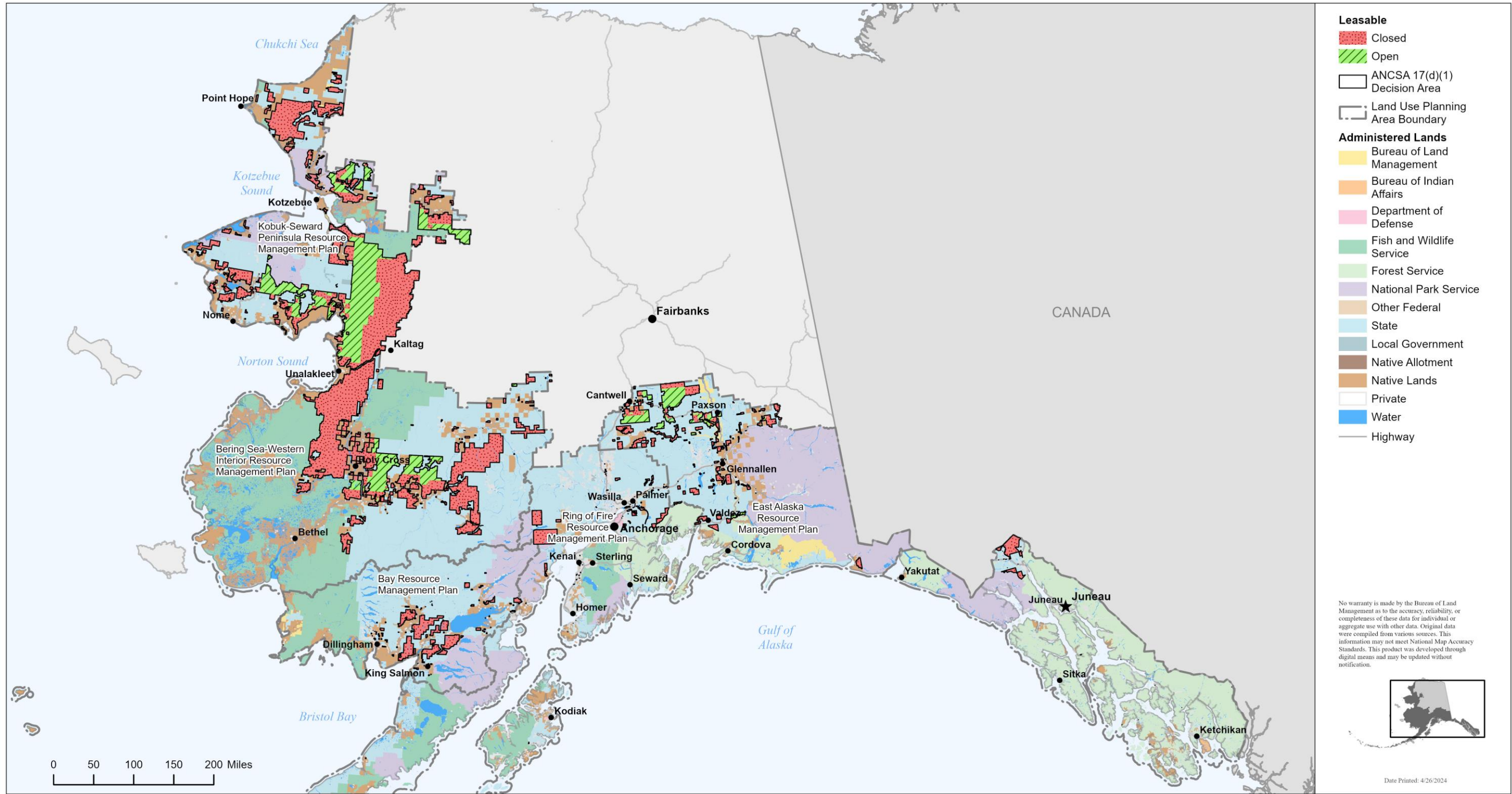


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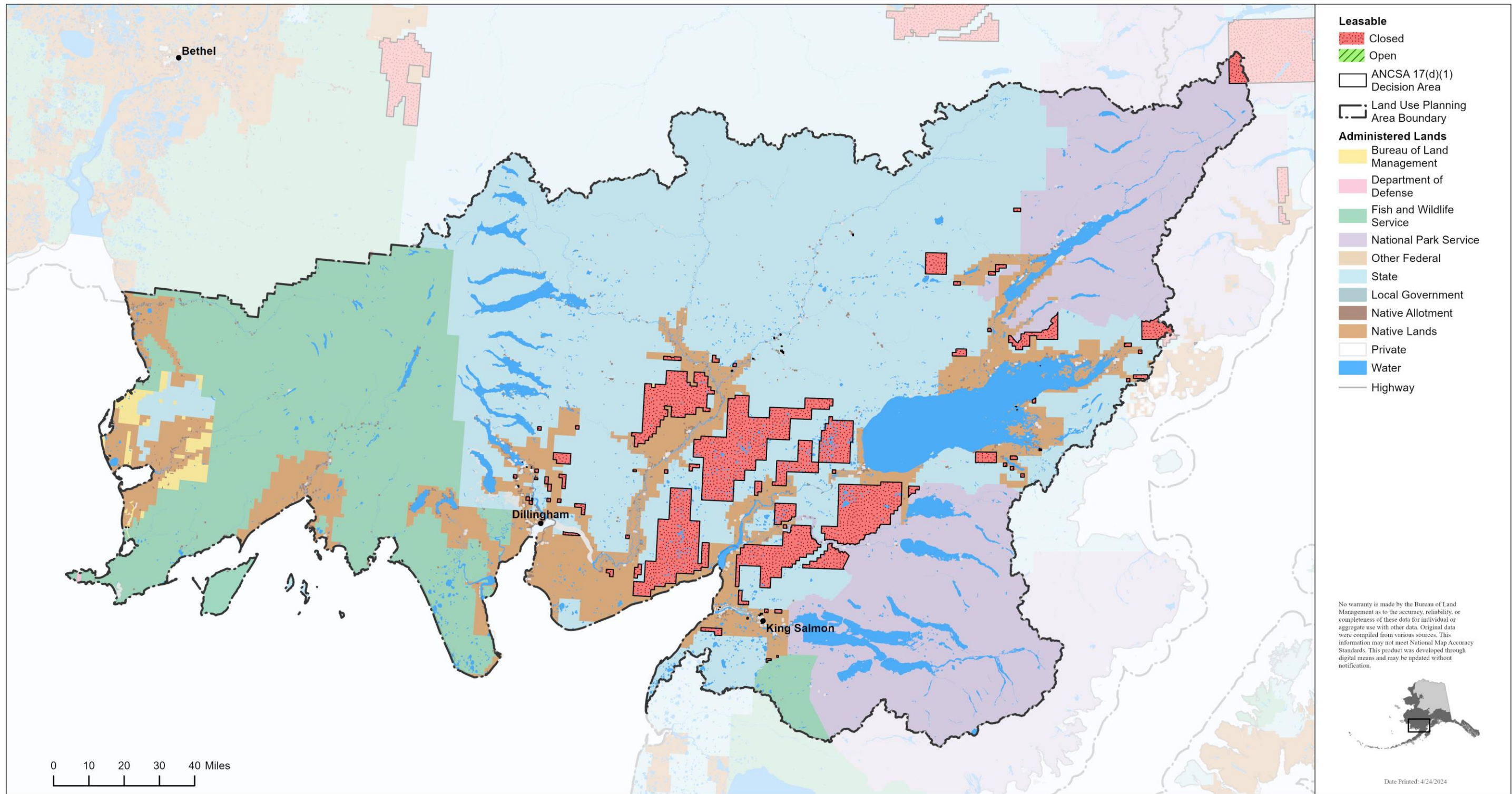


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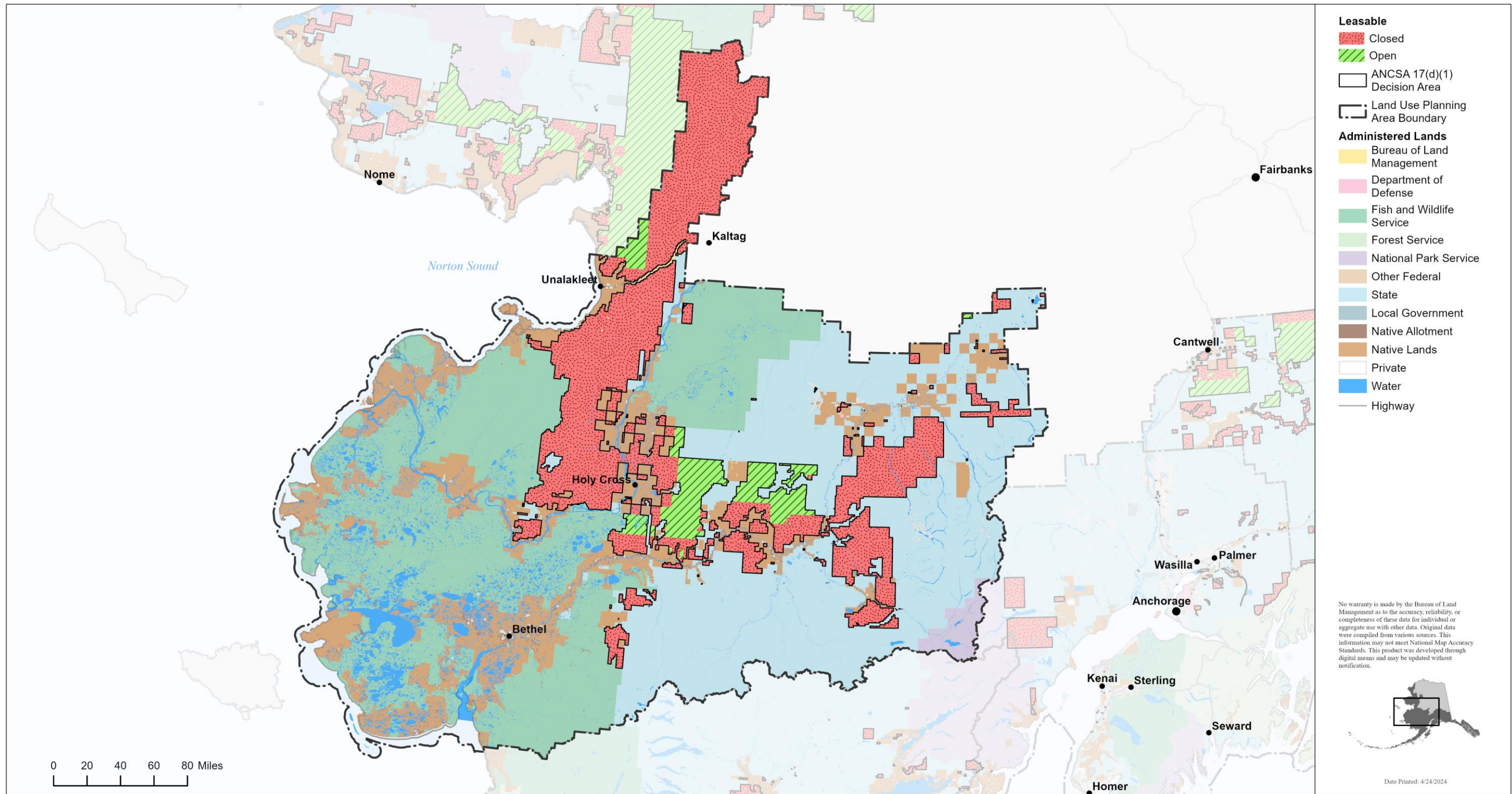


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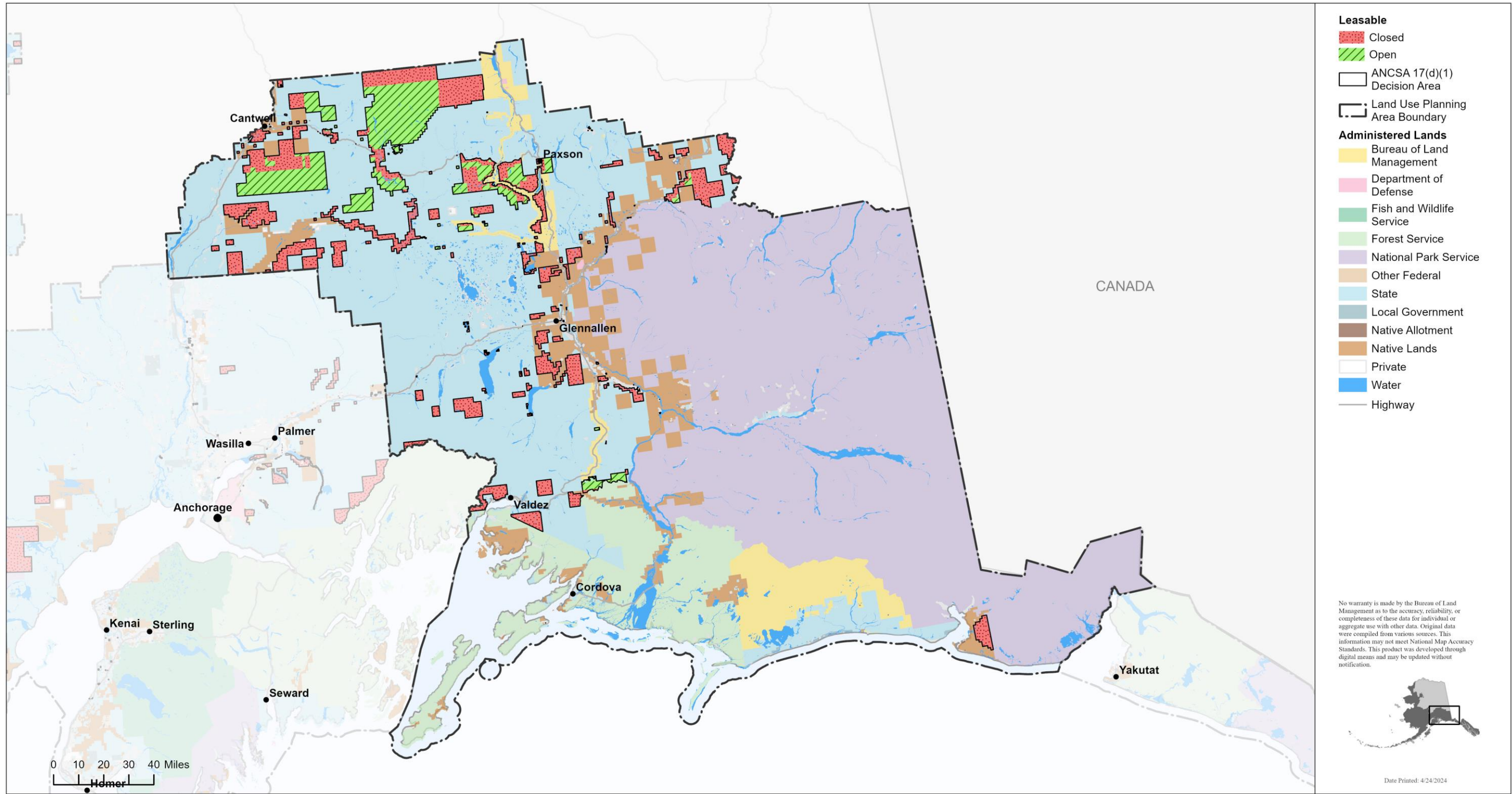


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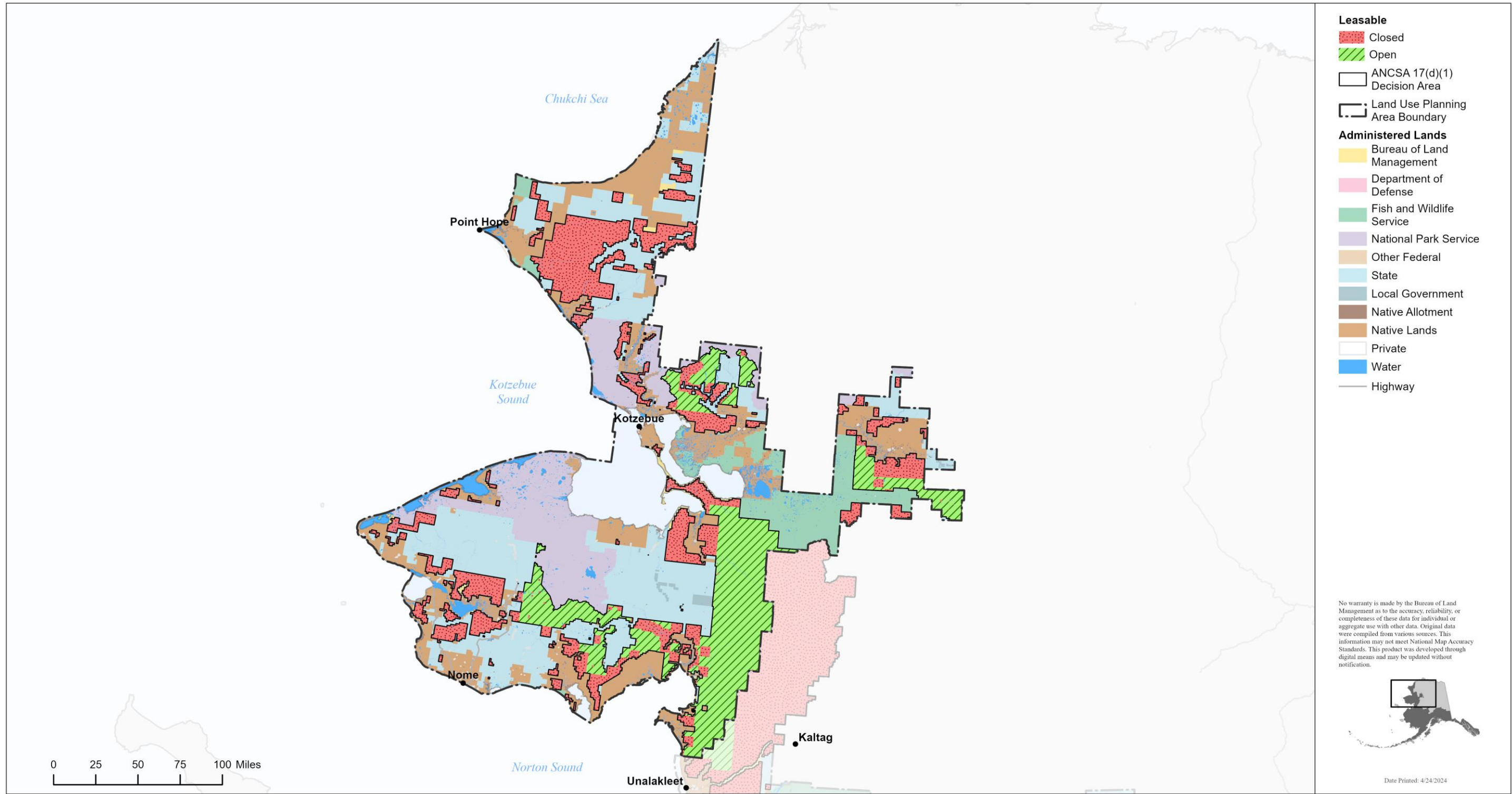


Figure 1.2-17. ANCSA 17(d)(1) withdrawals currently open or closed to mineral leasing in the Kobuk-Seward Peninsula planning area.

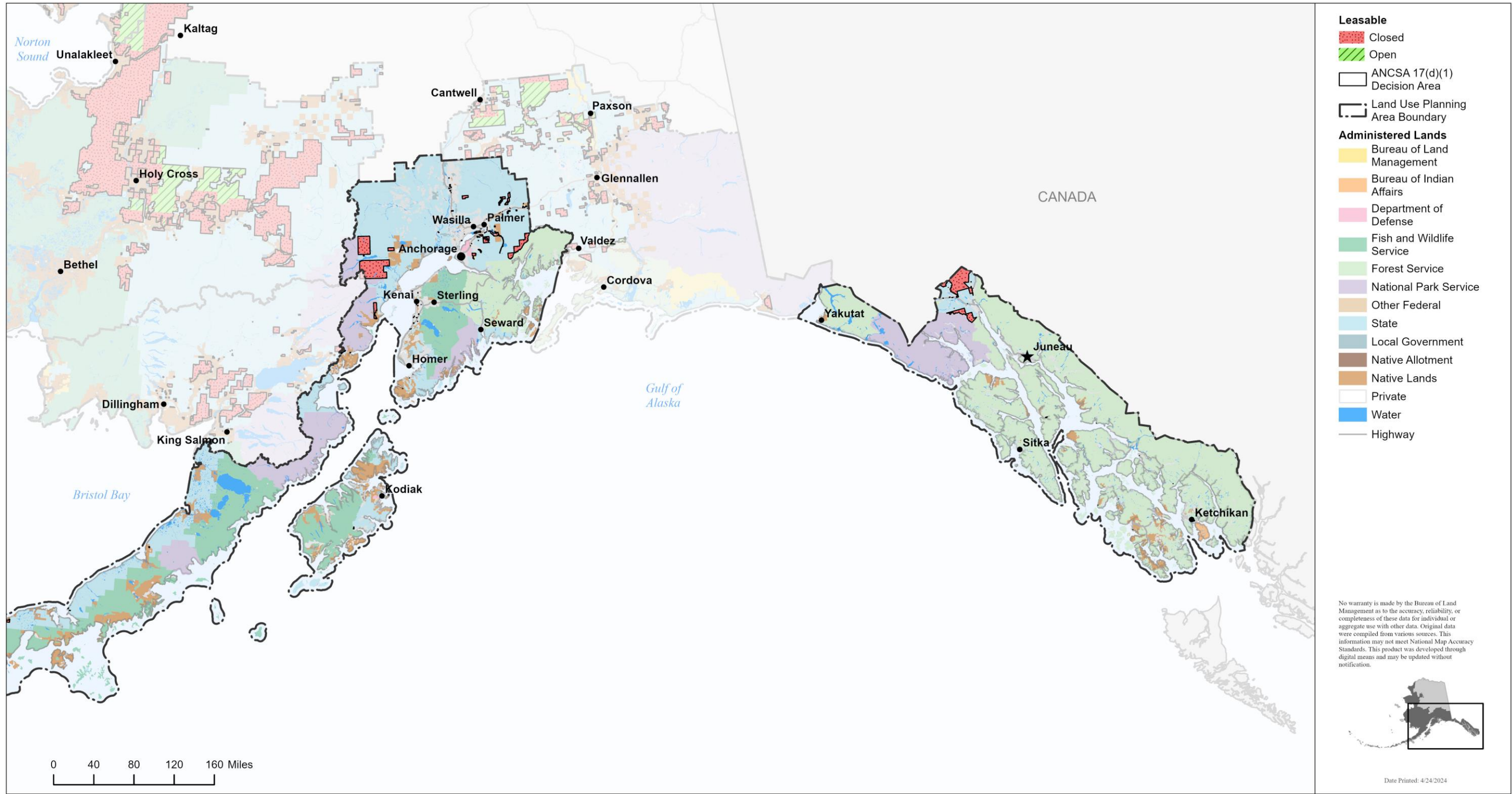


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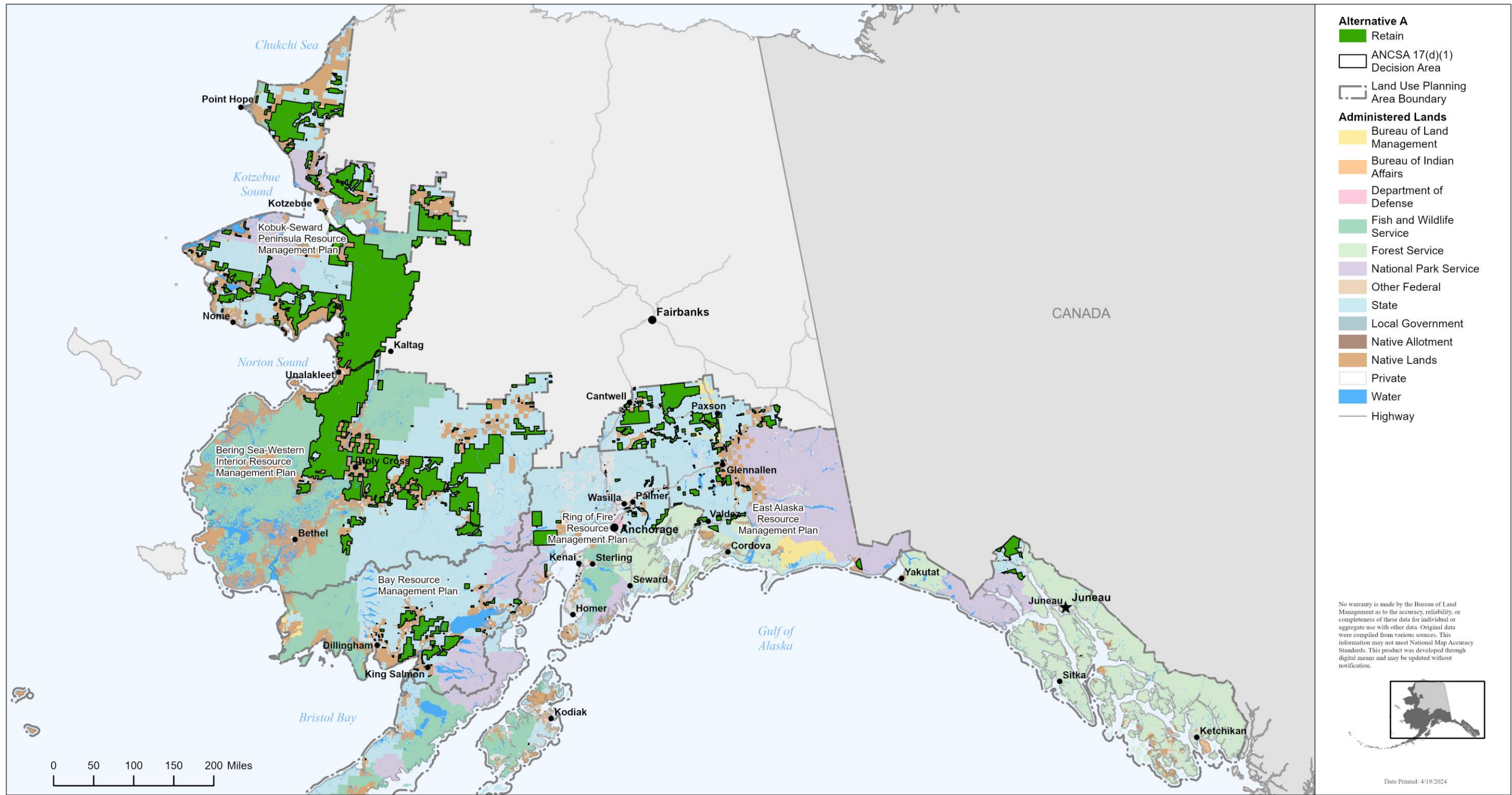


Figure 2.2-1. All planning areas, Alternative A.

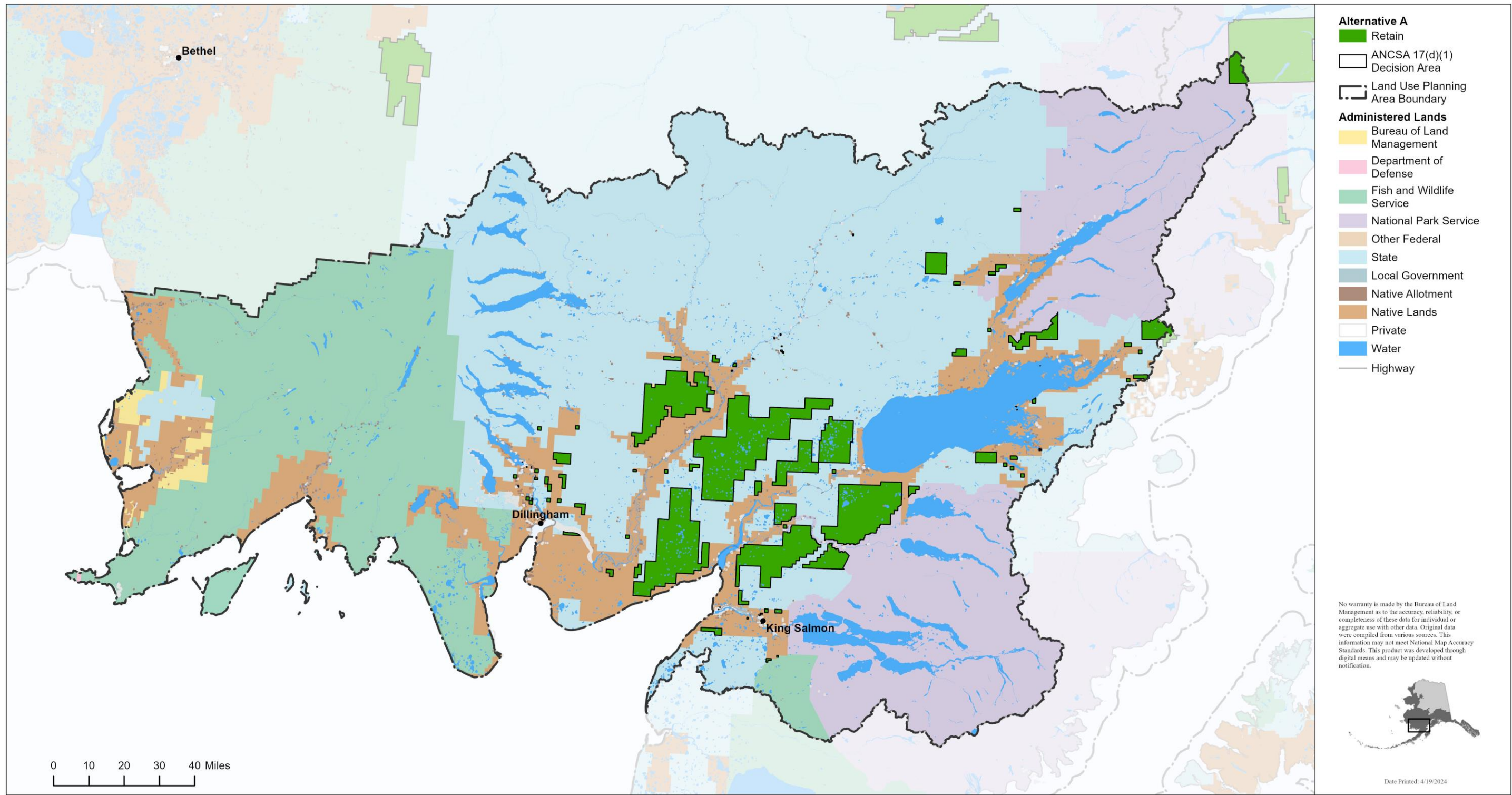


Figure 2.2-2. Bay planning area, Alternative A.

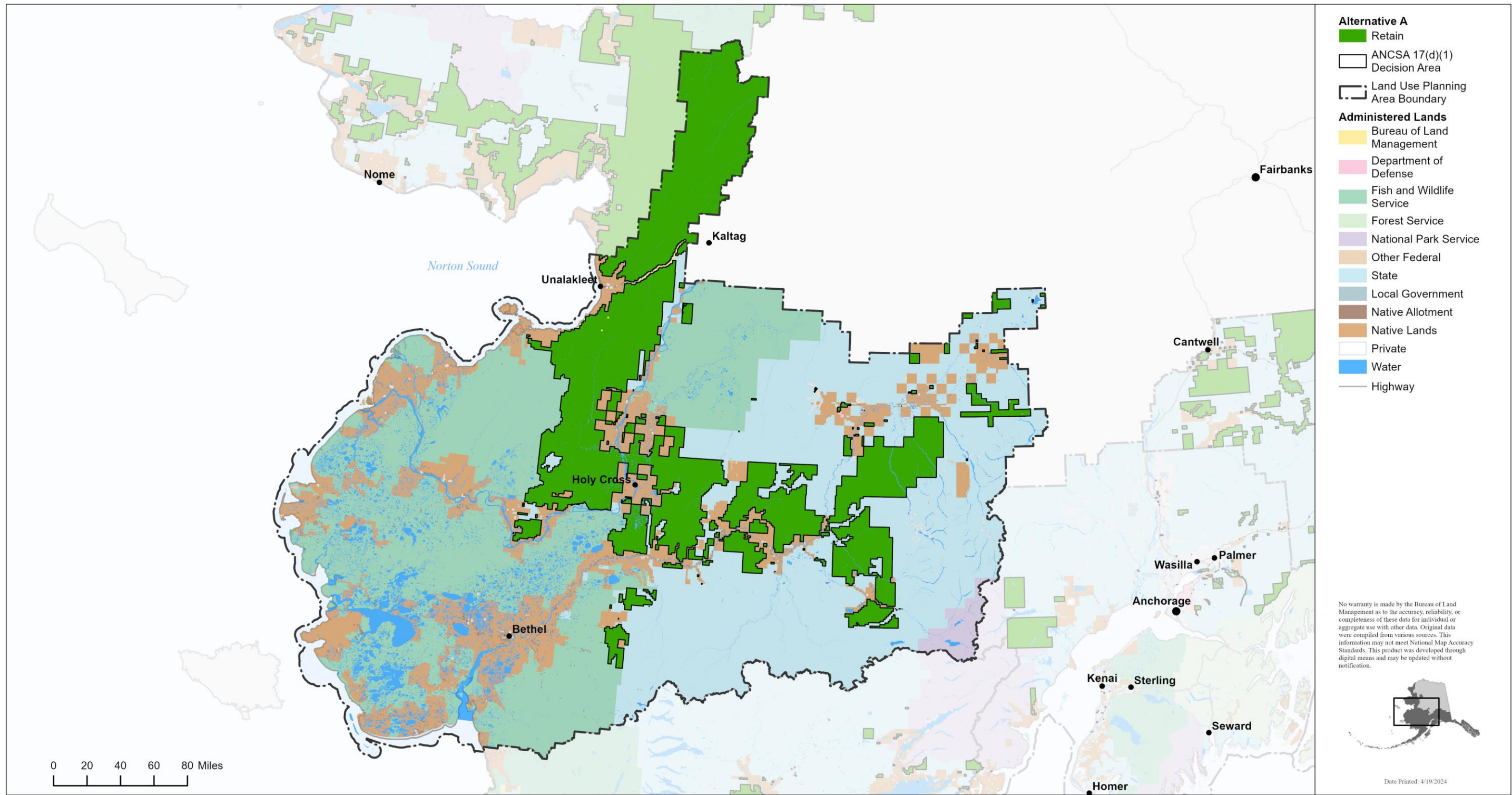


Figure 2.2-3. Bering Sea-Western Interior planning area, Alternative A.

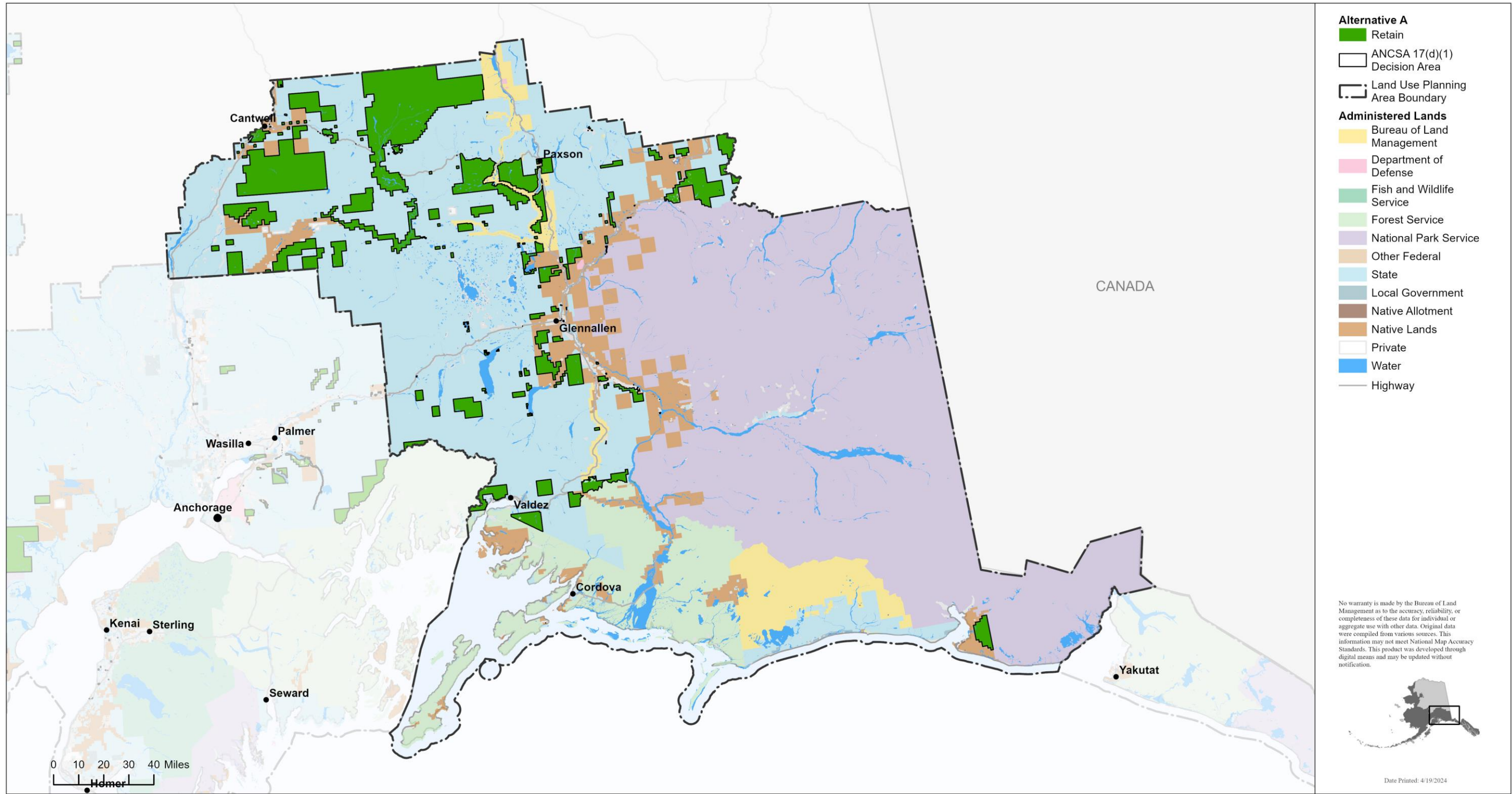


Figure 2.2-4. East Alaska planning area, Alternative A.

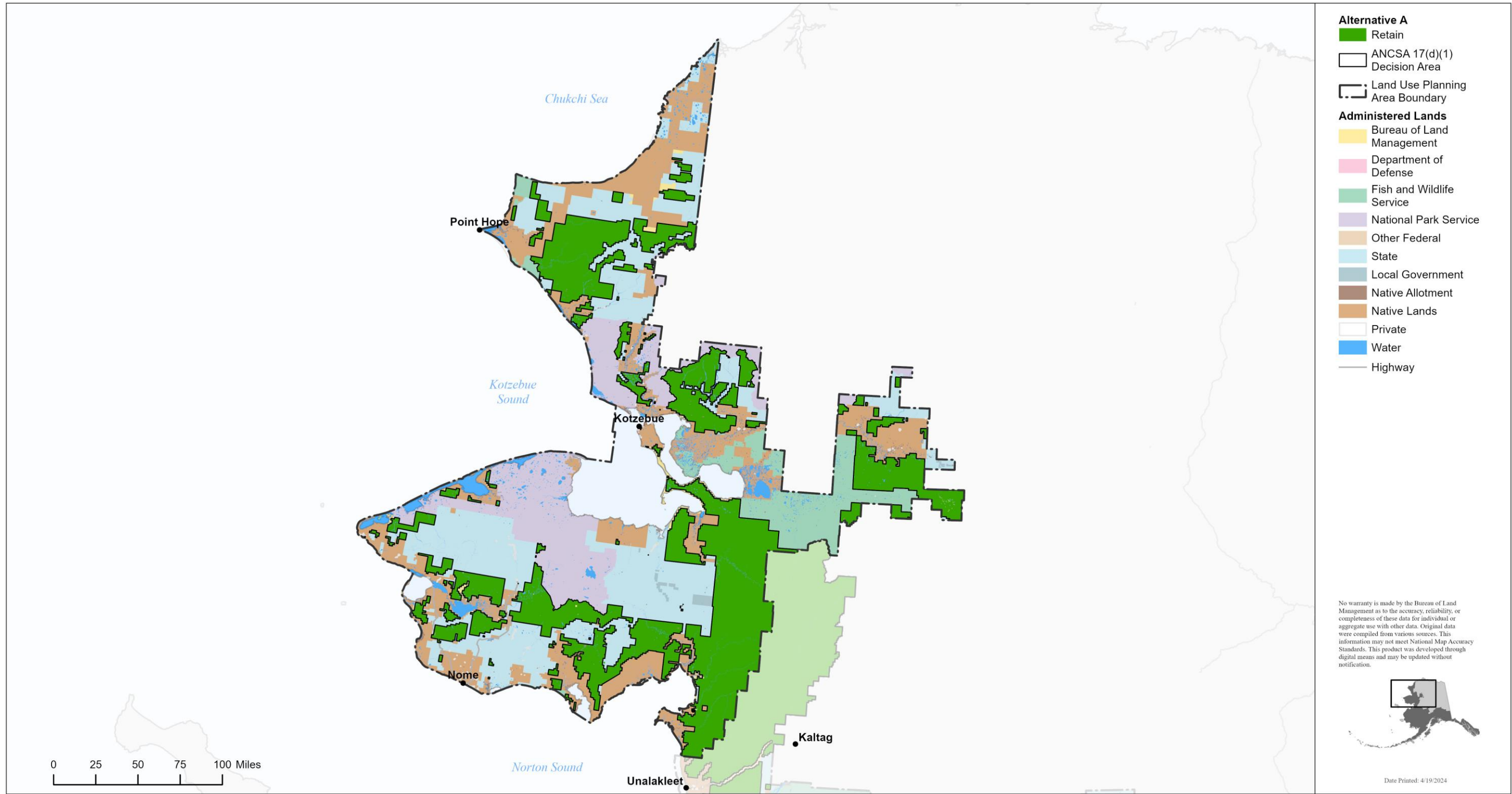


Figure 2.2-5. Kobuk-Seward Peninsula planning area, Alternative A.

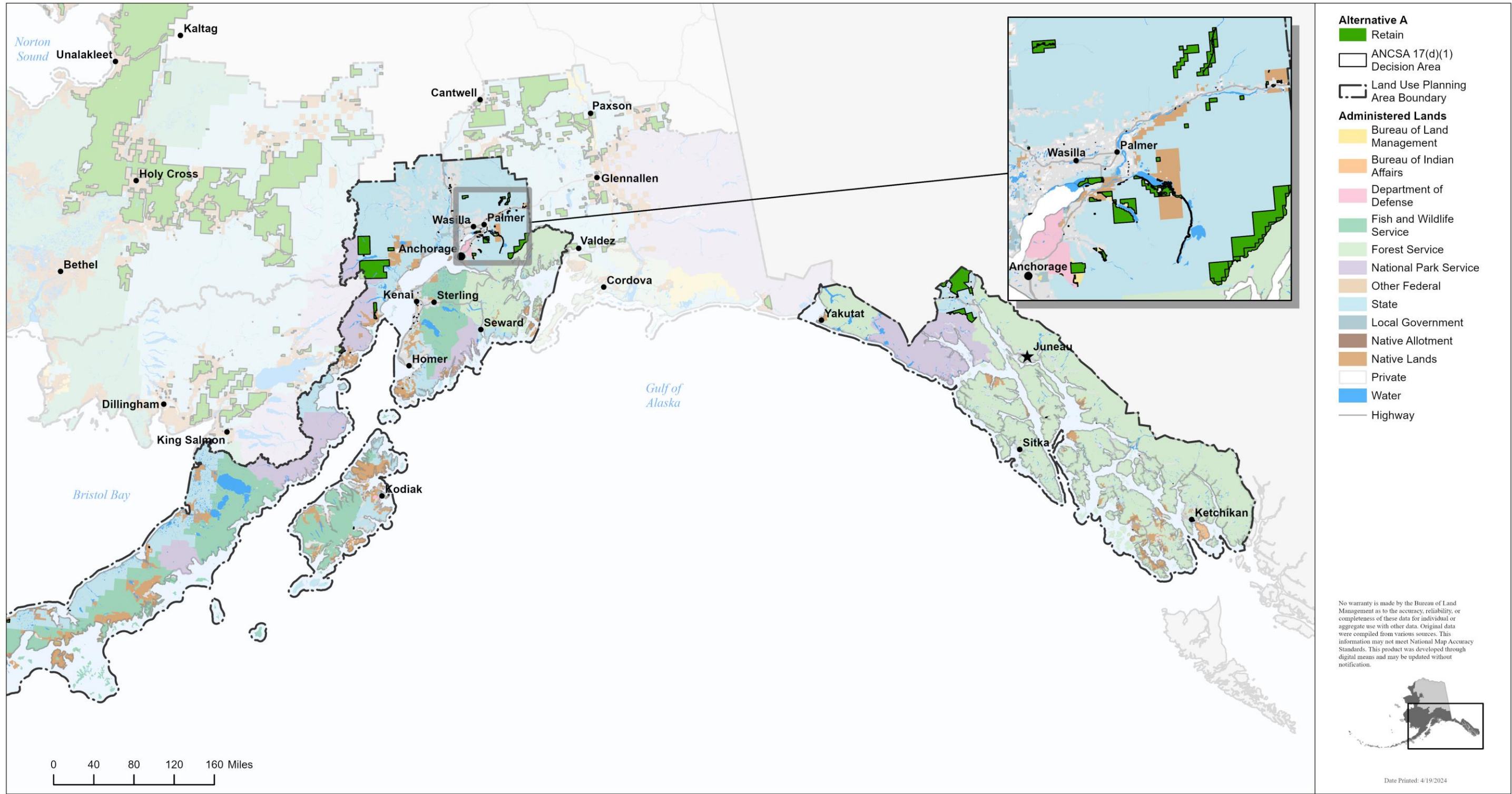


Figure 2.2-6. Ring of Fire planning area, Alternative A.

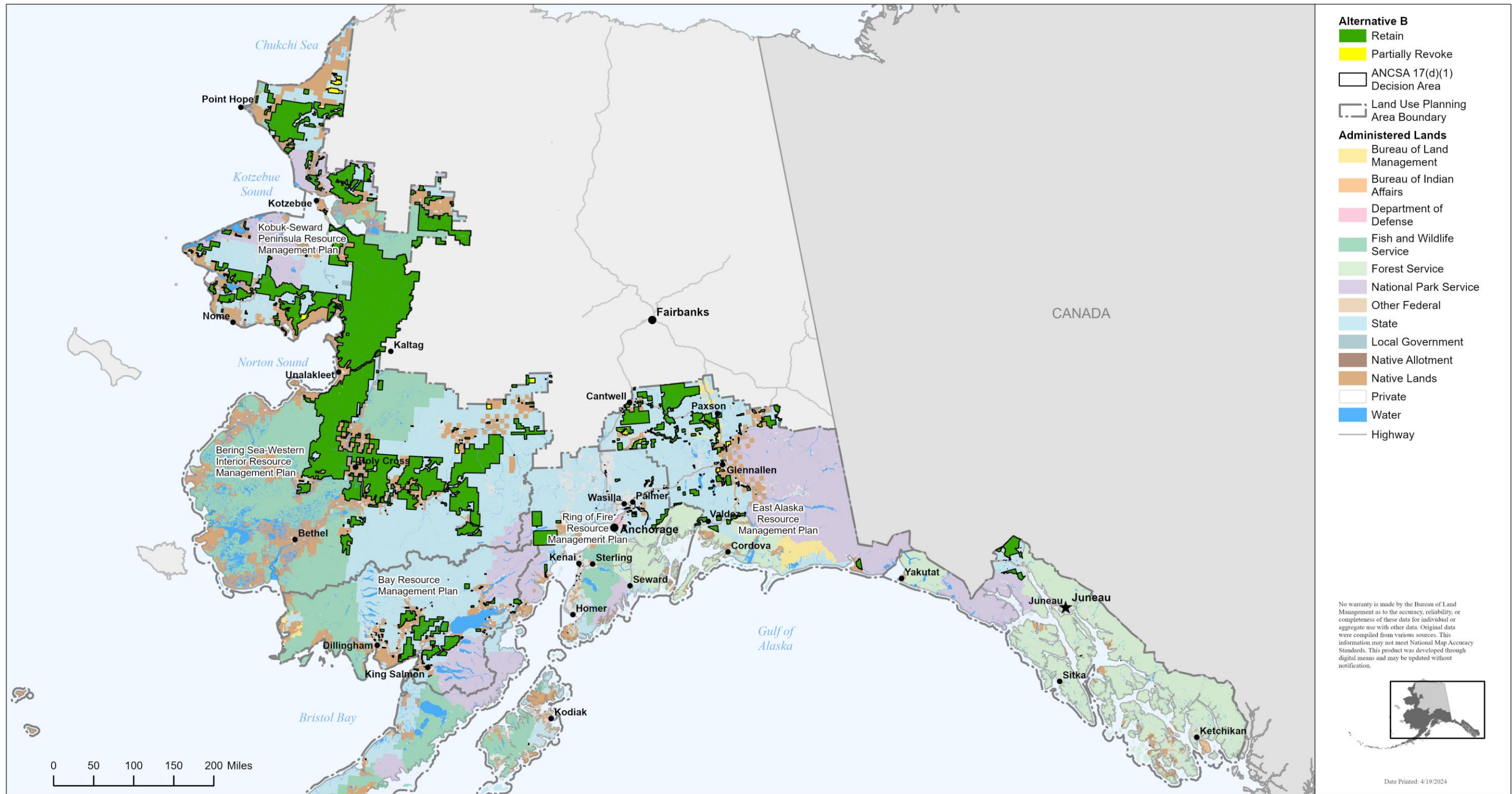


Figure 2.3-1. All planning areas, Alternative B.

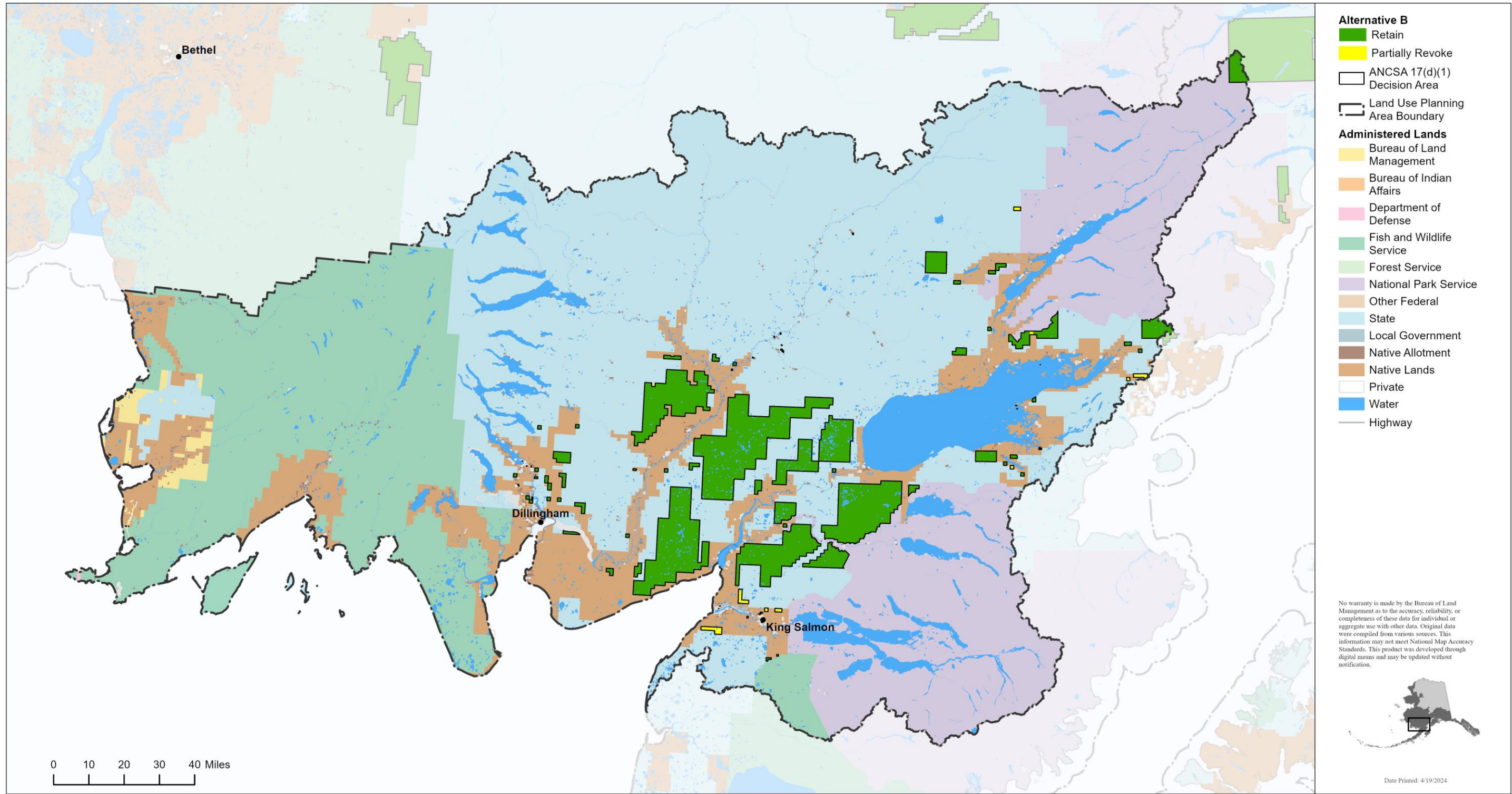


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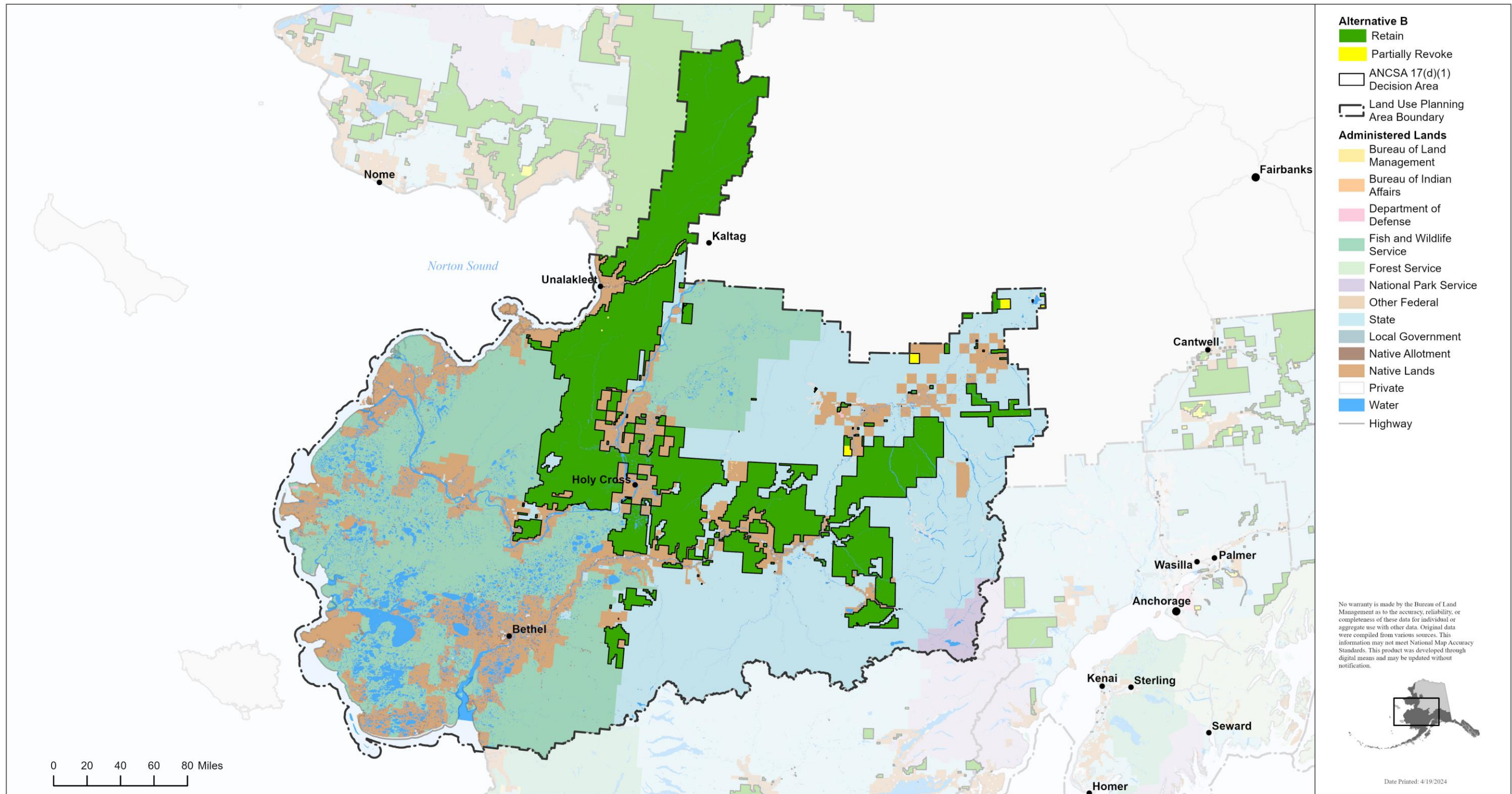


Figure 2.3-3. Bering Sea-Western Interior planning area, Alternative B.

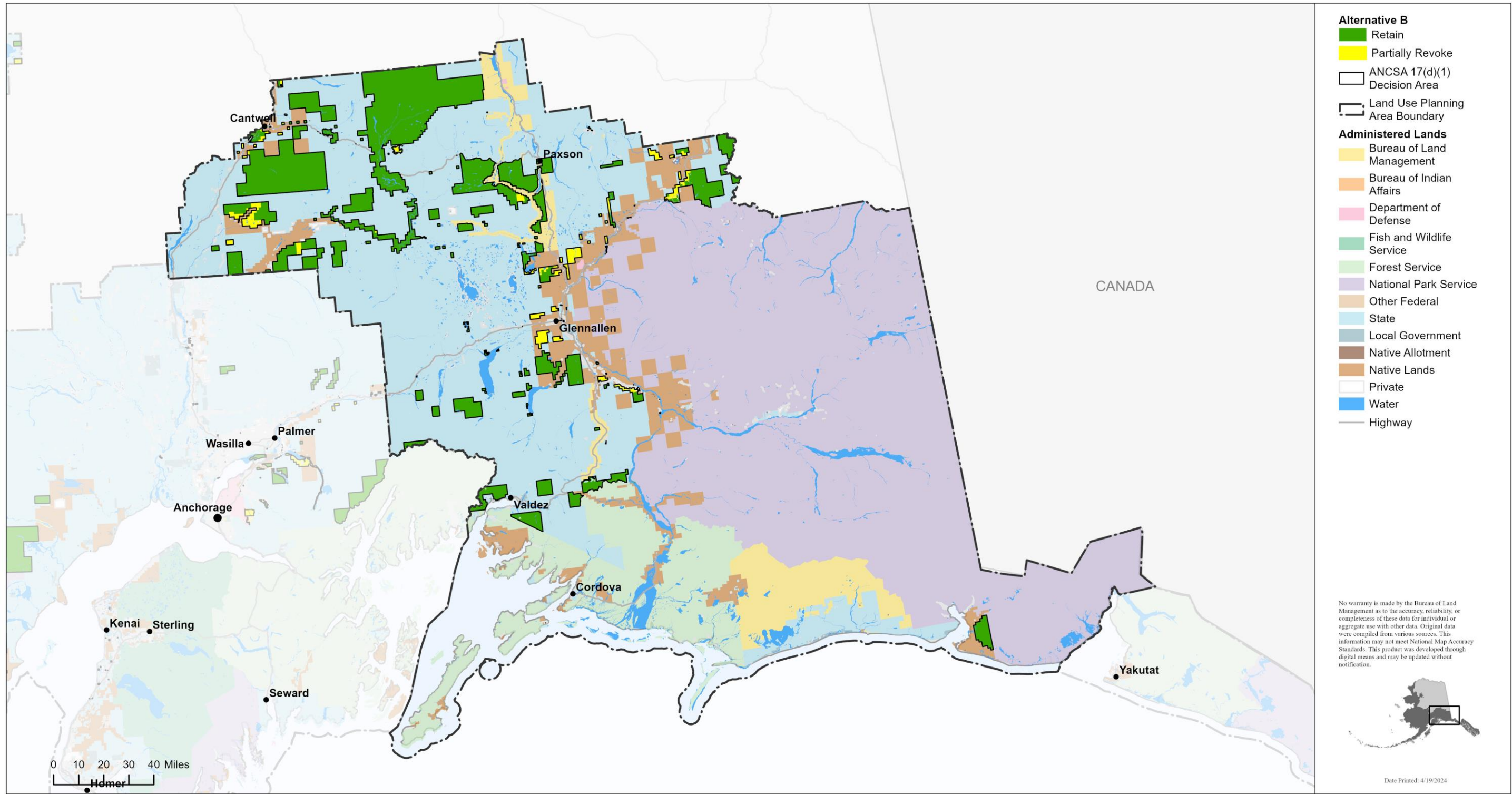


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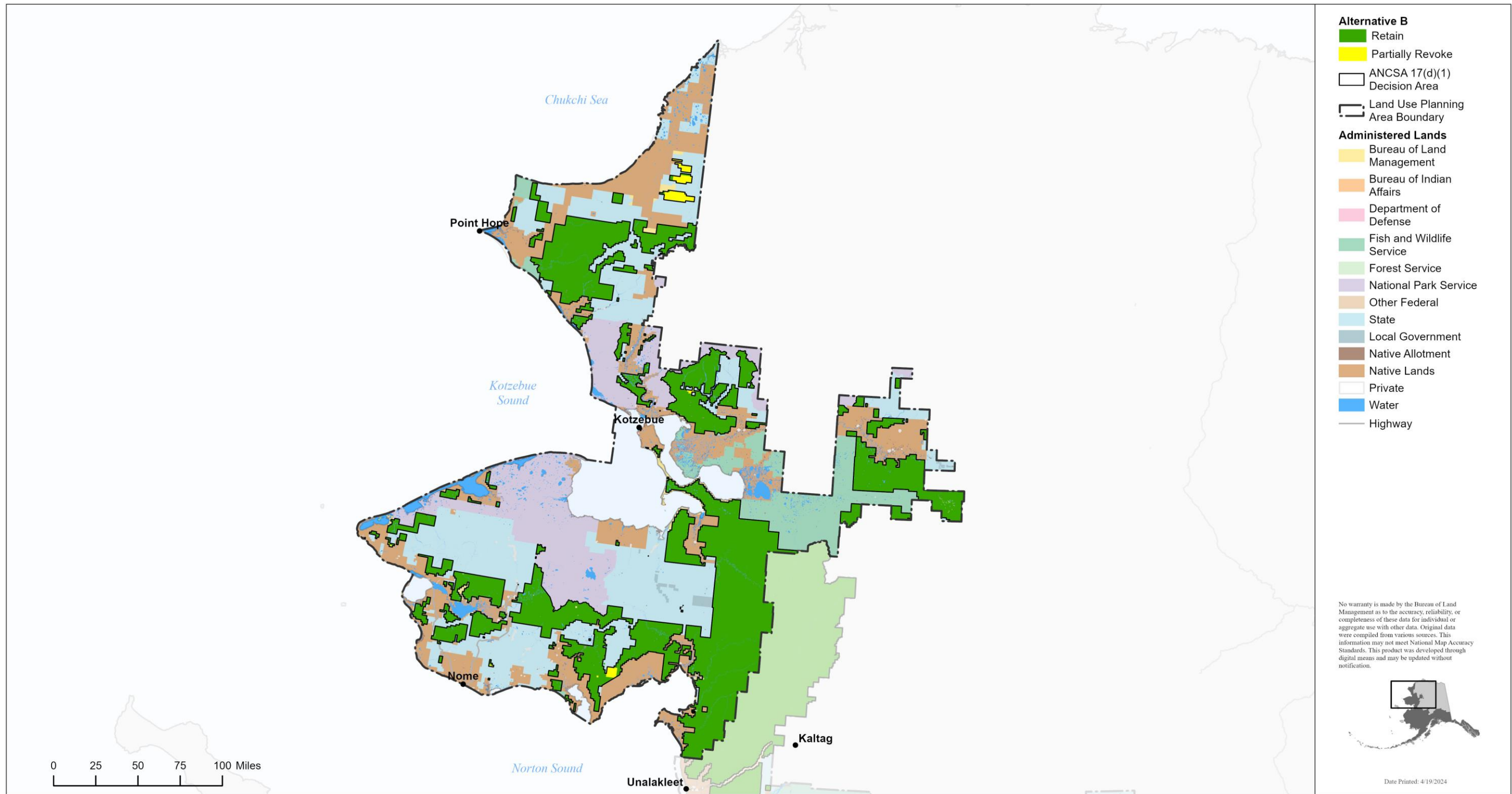


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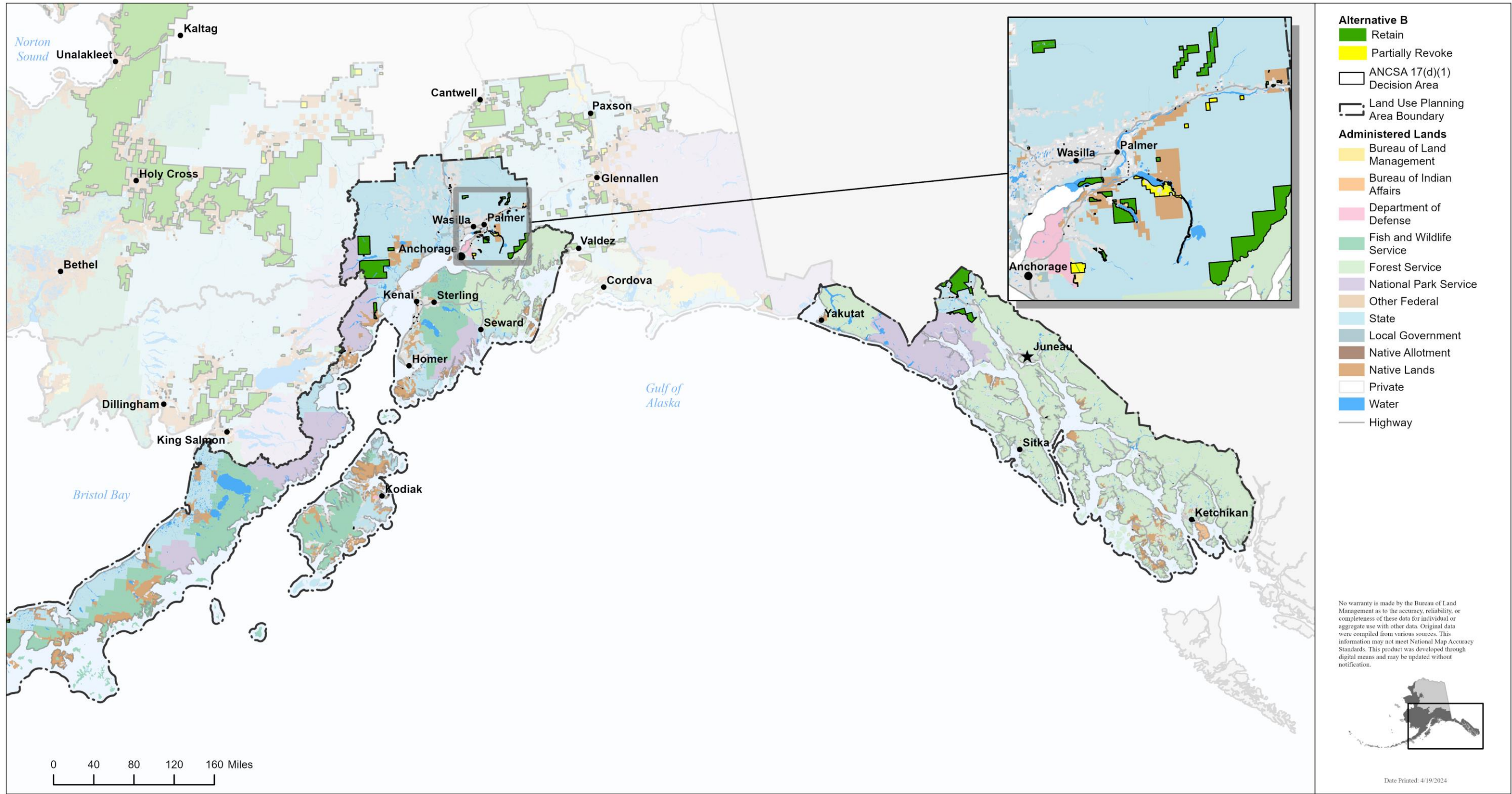


Figure 2.3-6. Ring of Fire planning area, Alternative B.

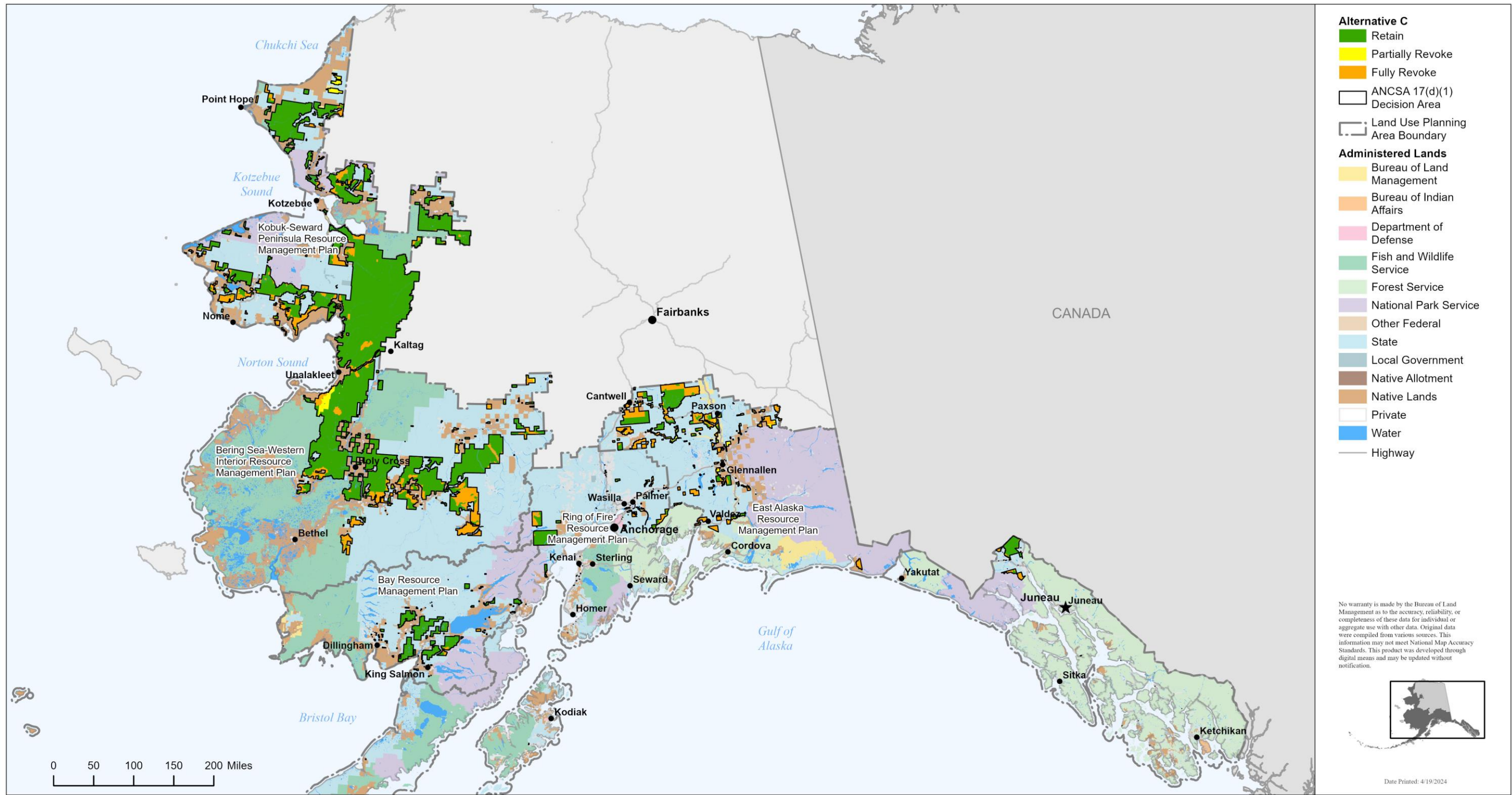


Figure 2.4-1. All planning areas, Alternative C.

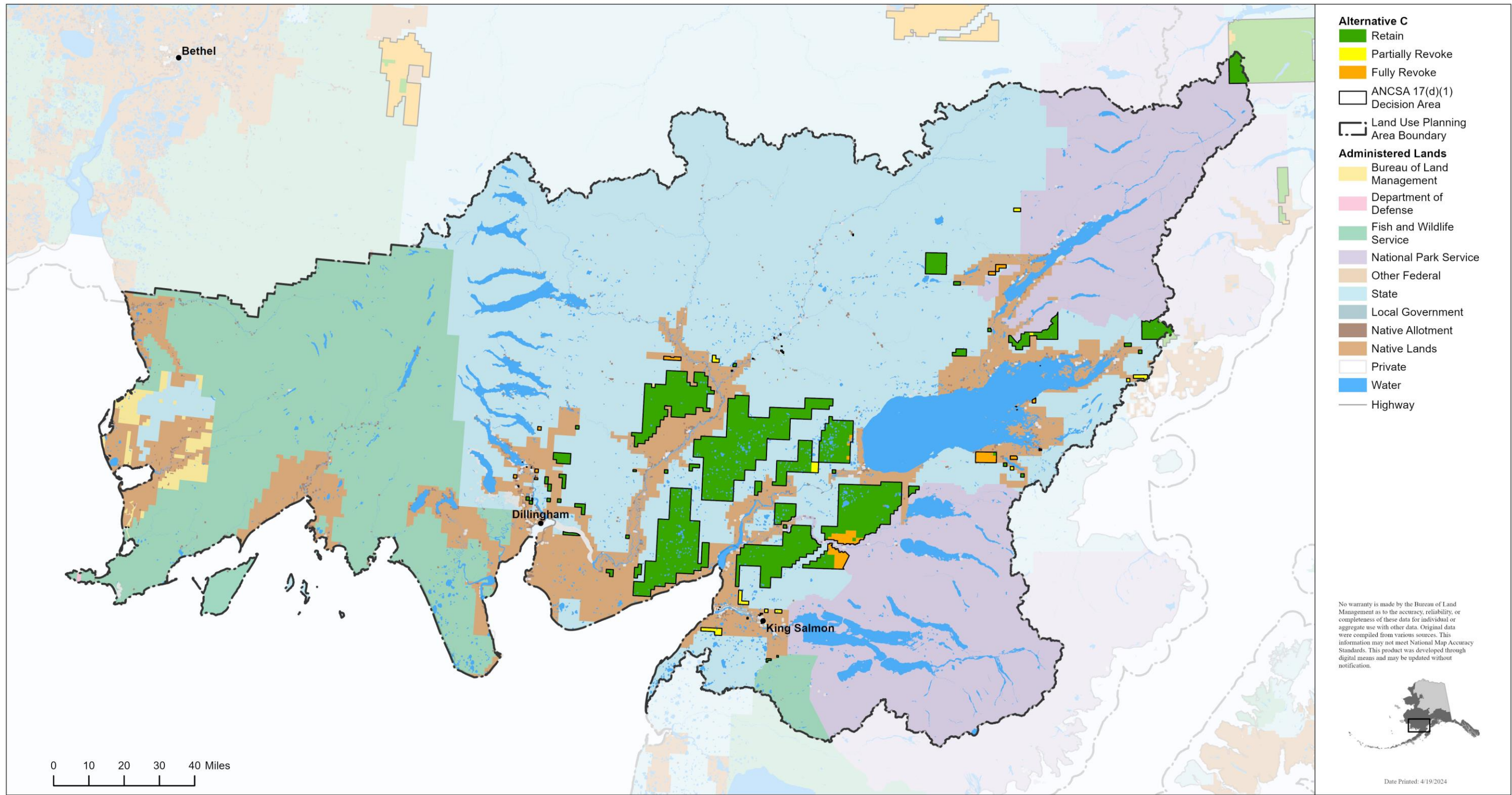


Figure 2.4-2. Bay planning area, Alternative C.

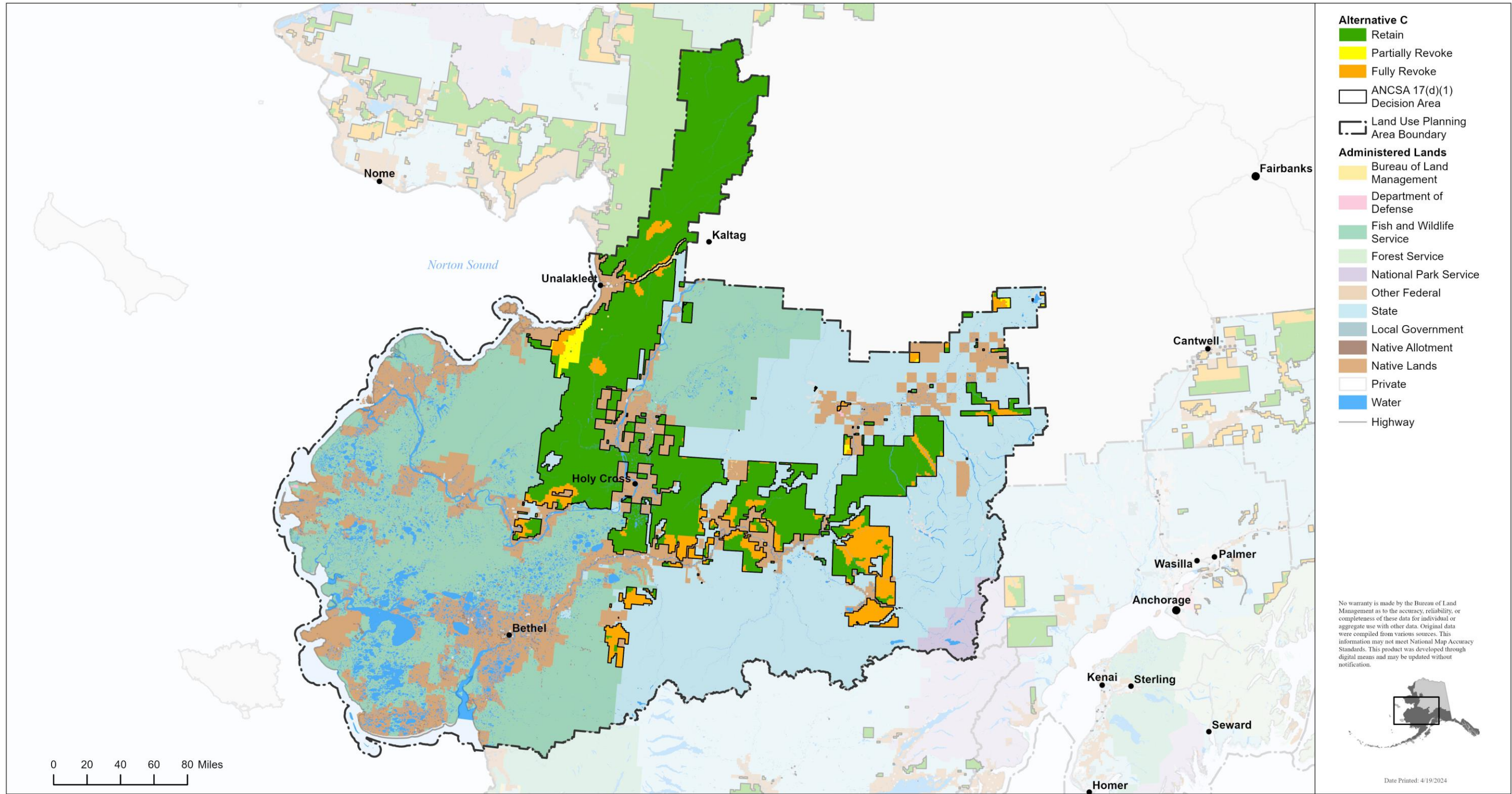


Figure 2.4-3. Bering Sea-Western Interior planning area, Alternative C.

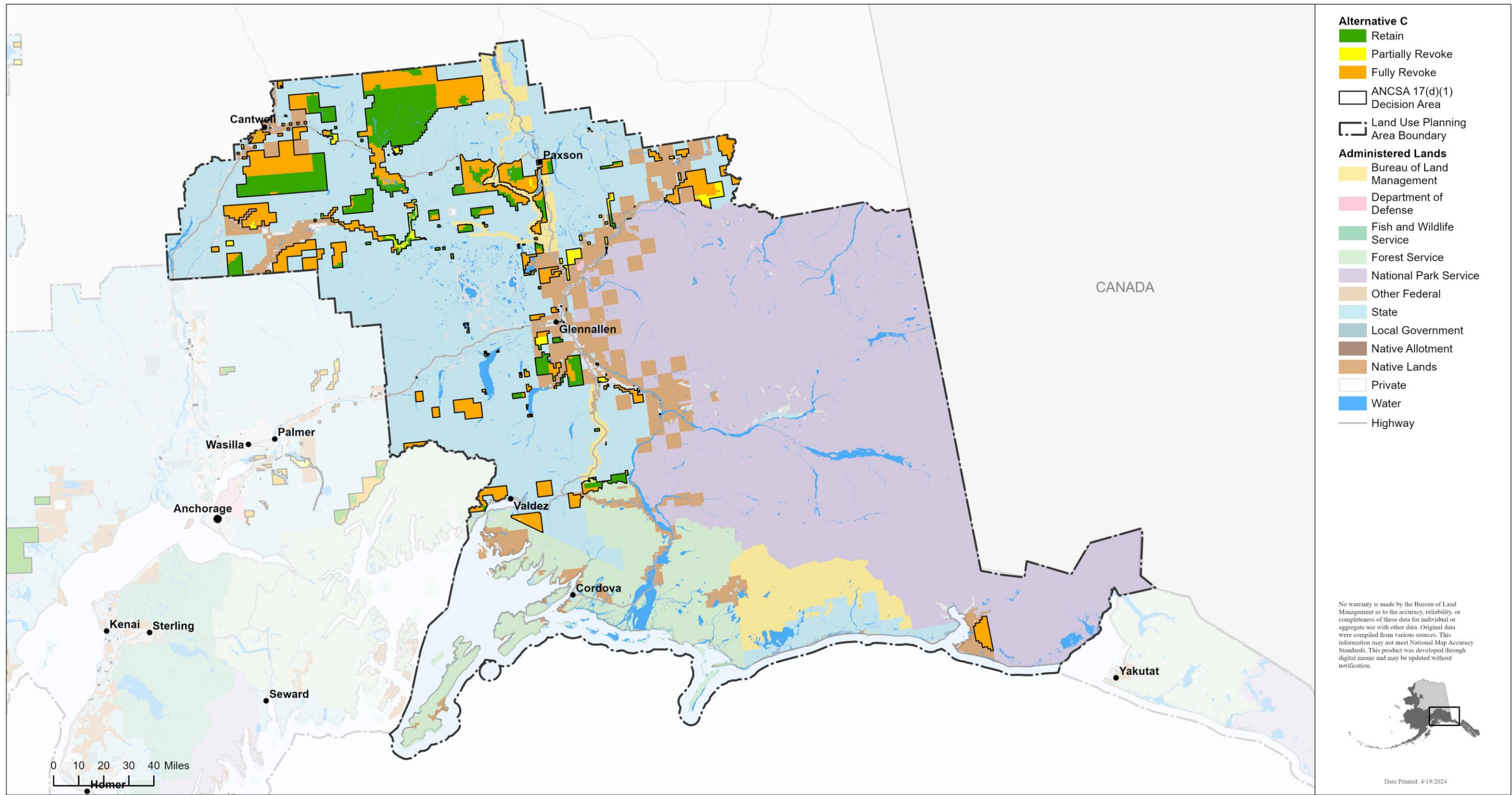


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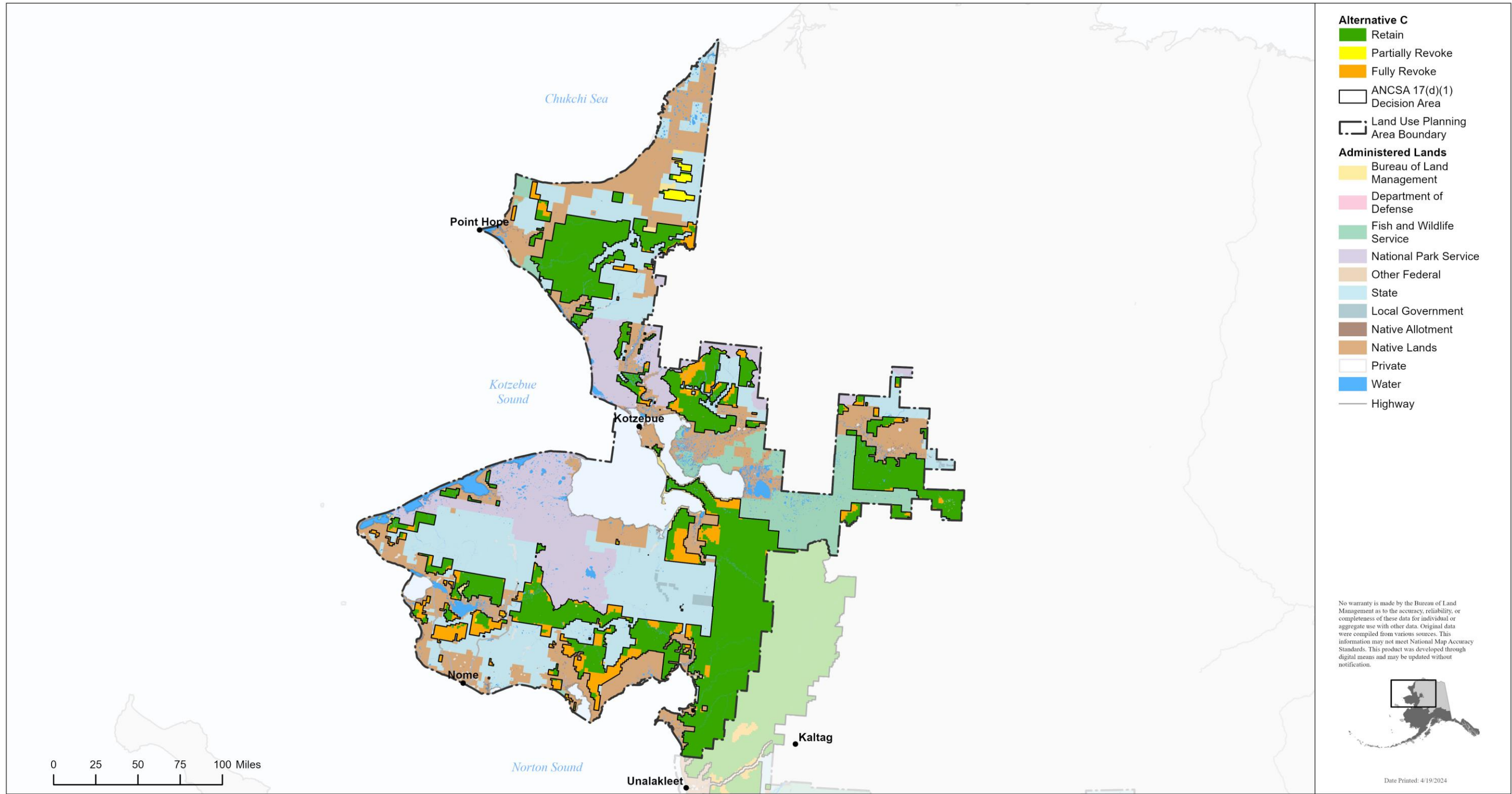


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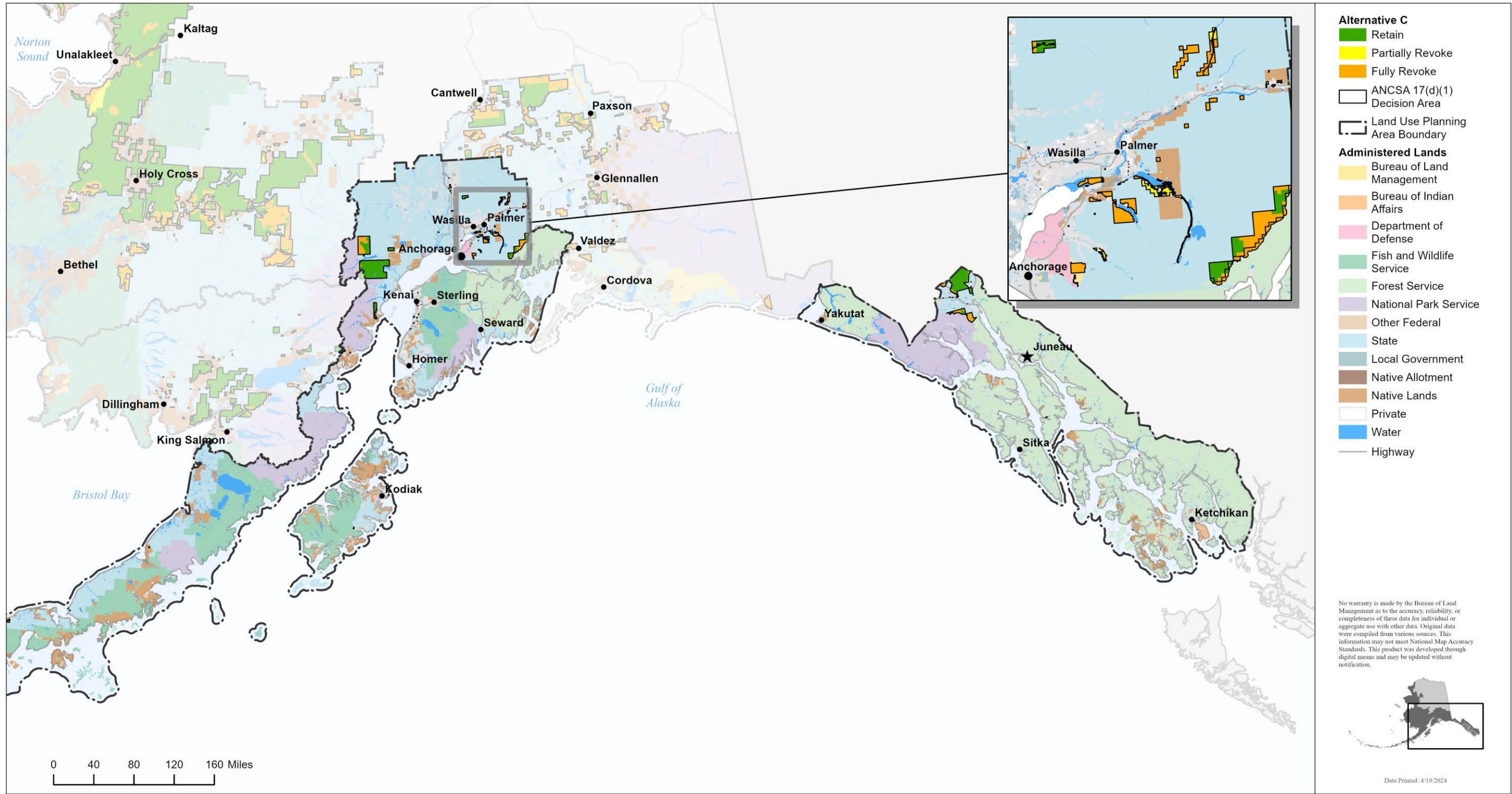


Figure 2.4-6. Ring of Fire planning area, Alternative C.

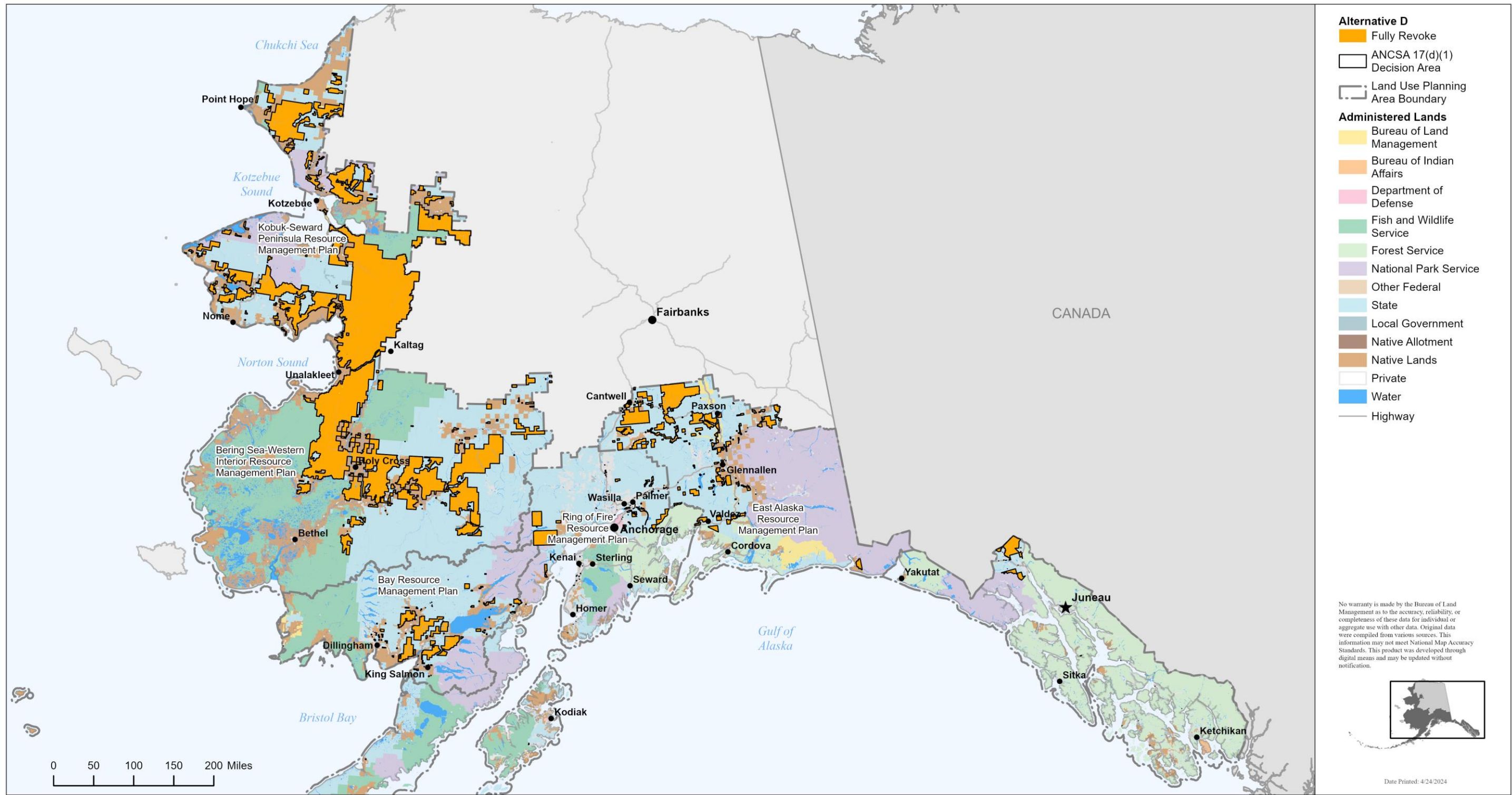


Figure 2.5-1. All planning areas, Alternative D.

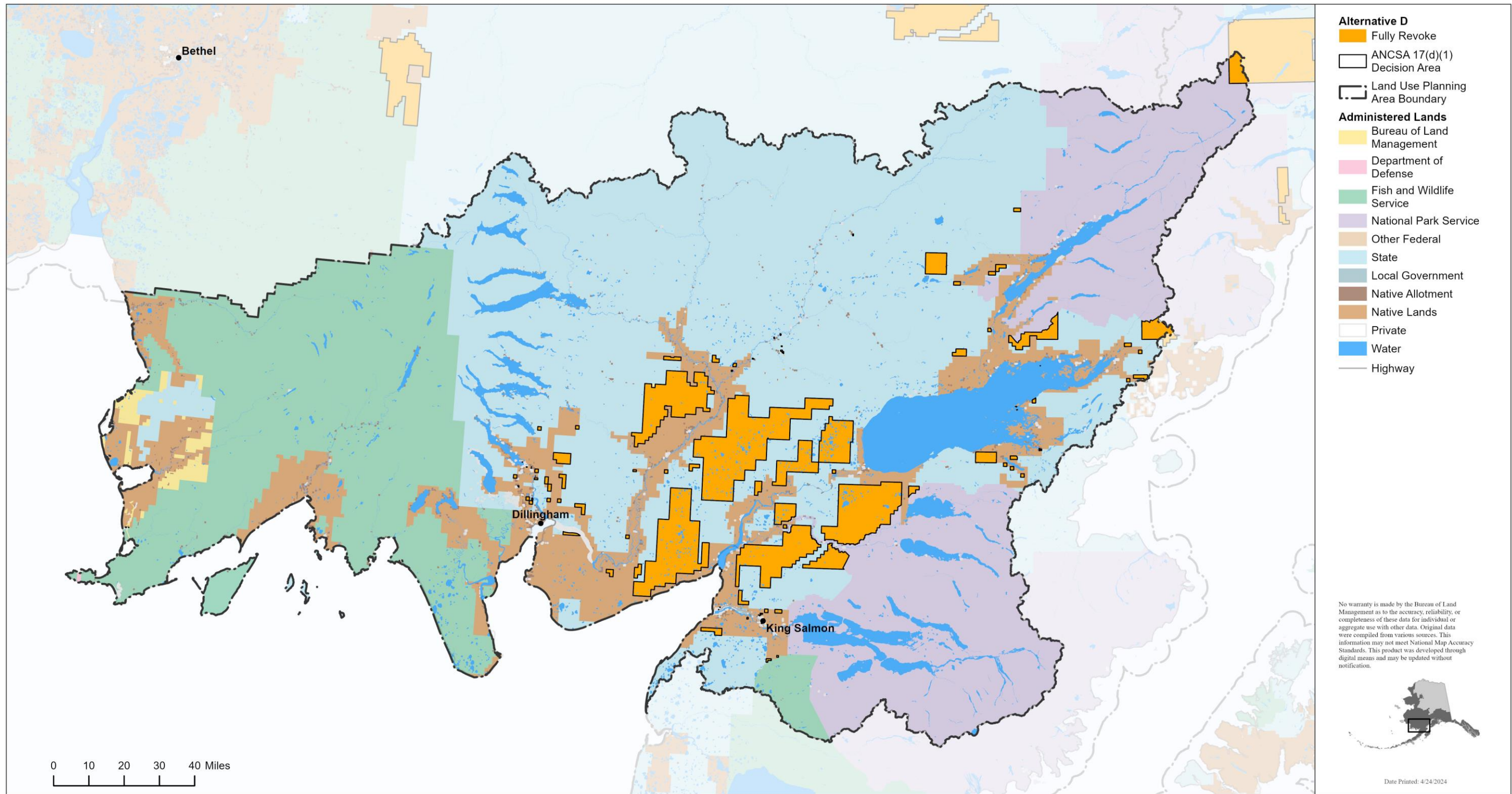


Figure 2.5-2. Bay planning area, Alternative D.

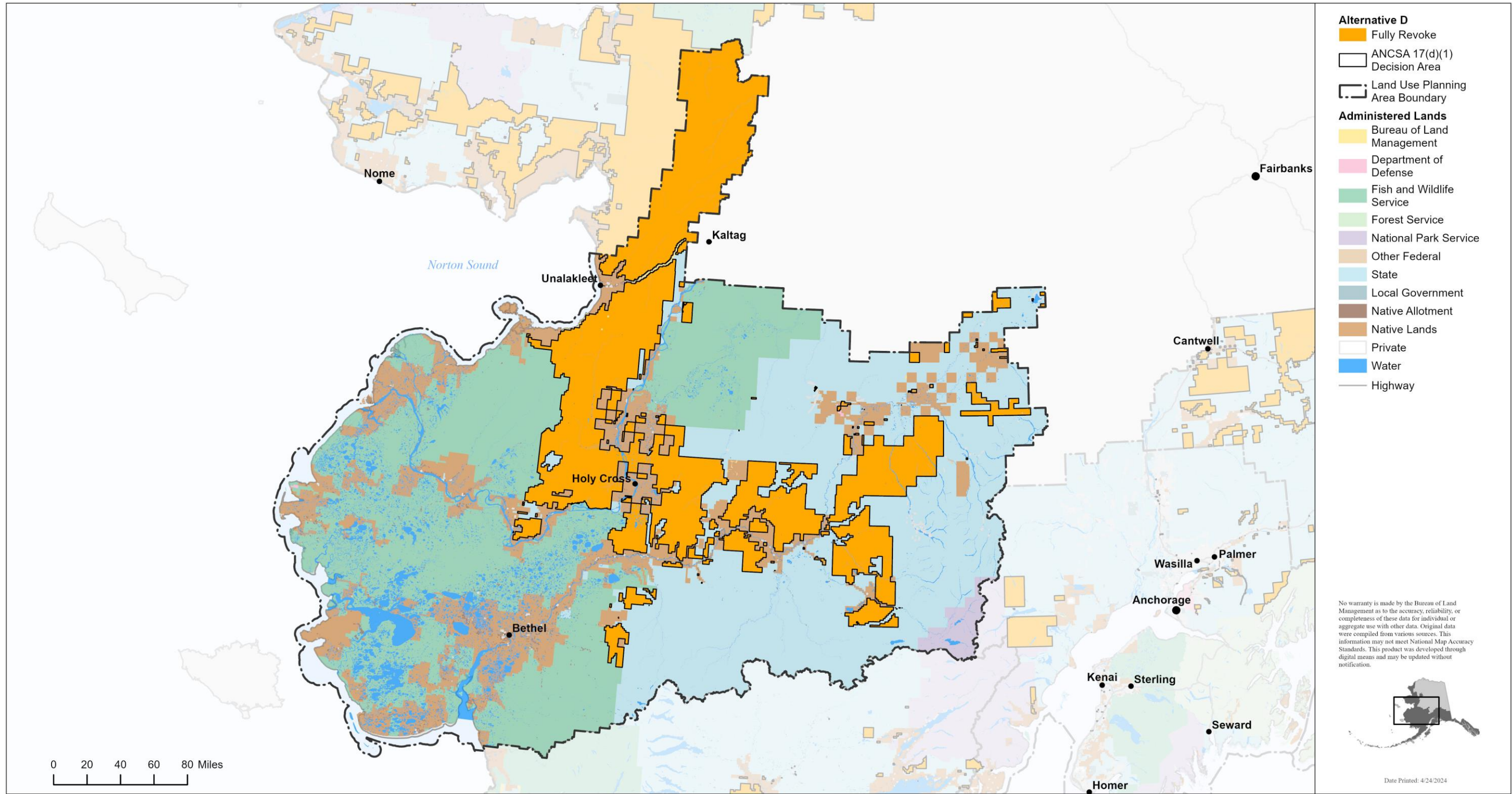


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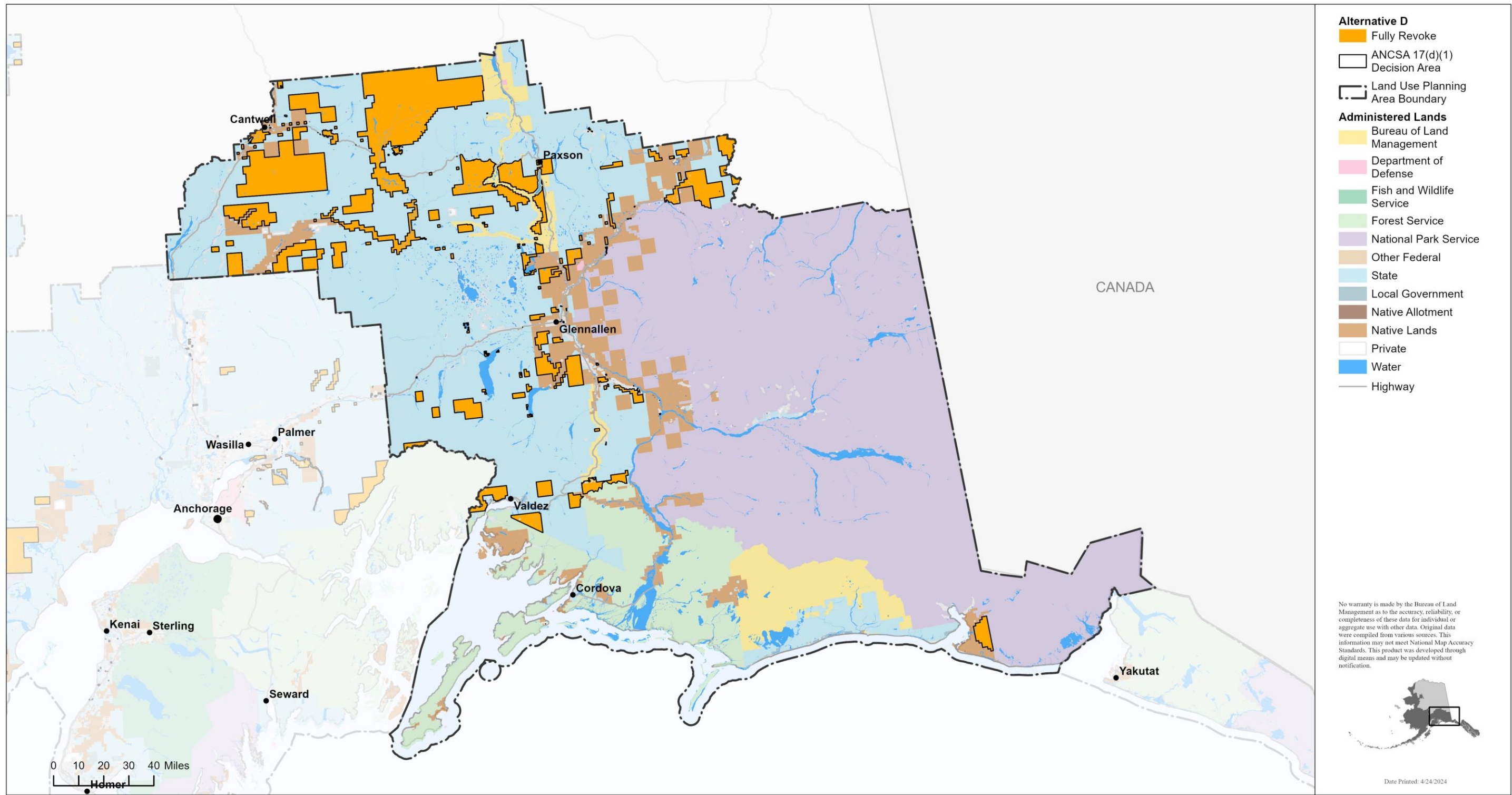


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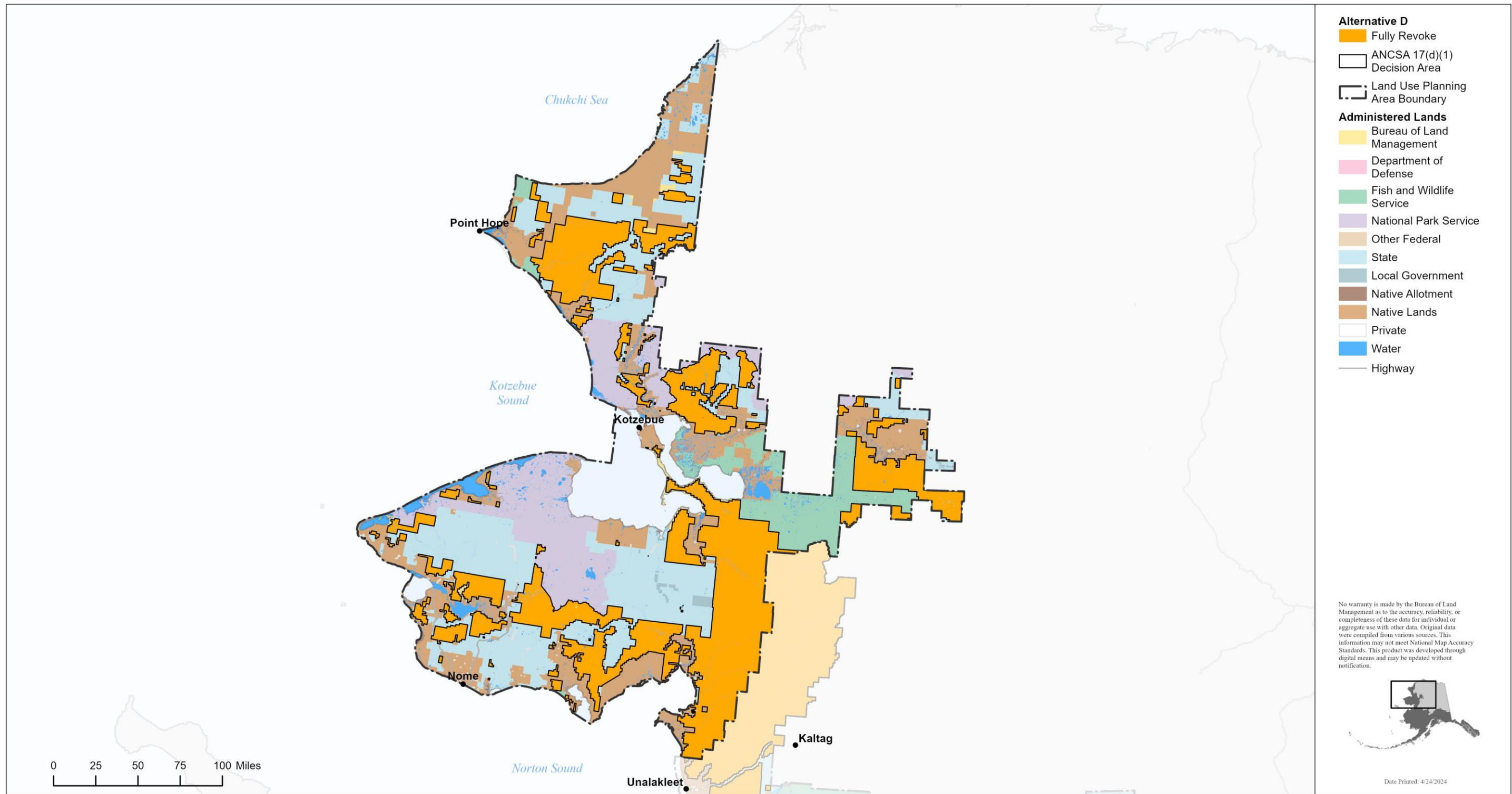


Figure 2.5-5. Kobuk-Seward Peninsula planning area, Alternative D.

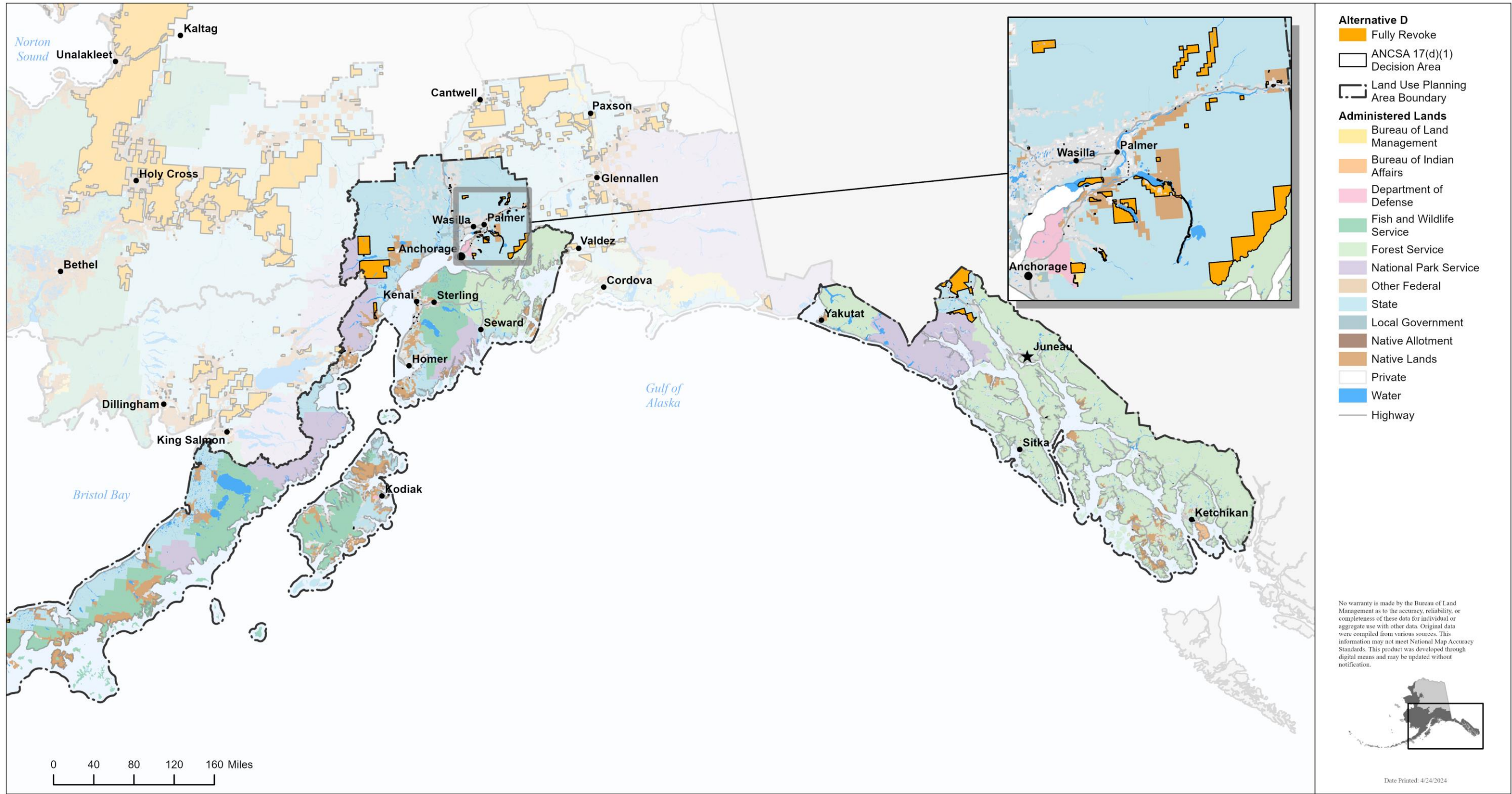


Figure 2.5-6. Ring of Fire planning area, Alternative D.

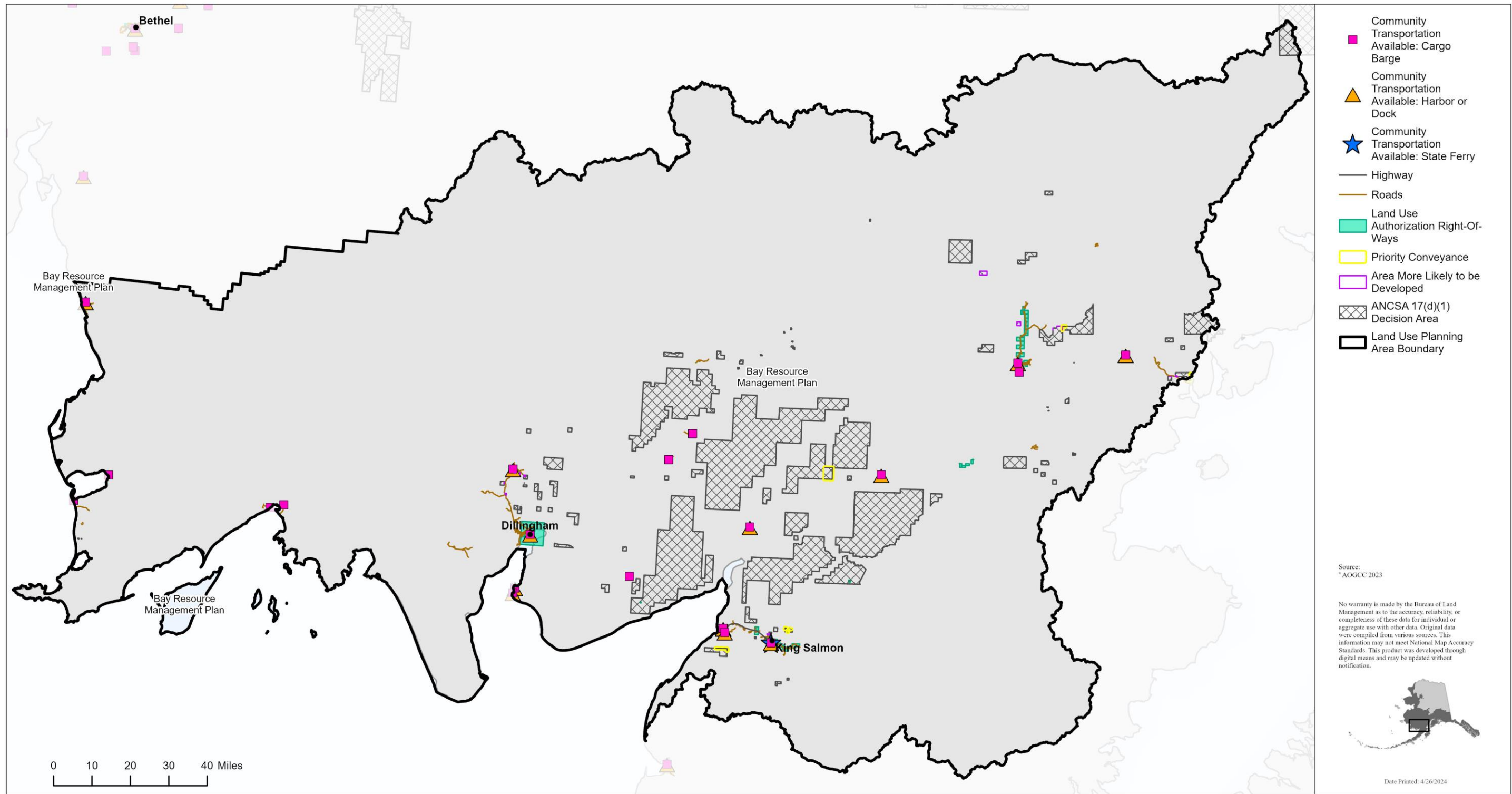


Figure 3.1-1. Past and present actions in the Bay planning area.

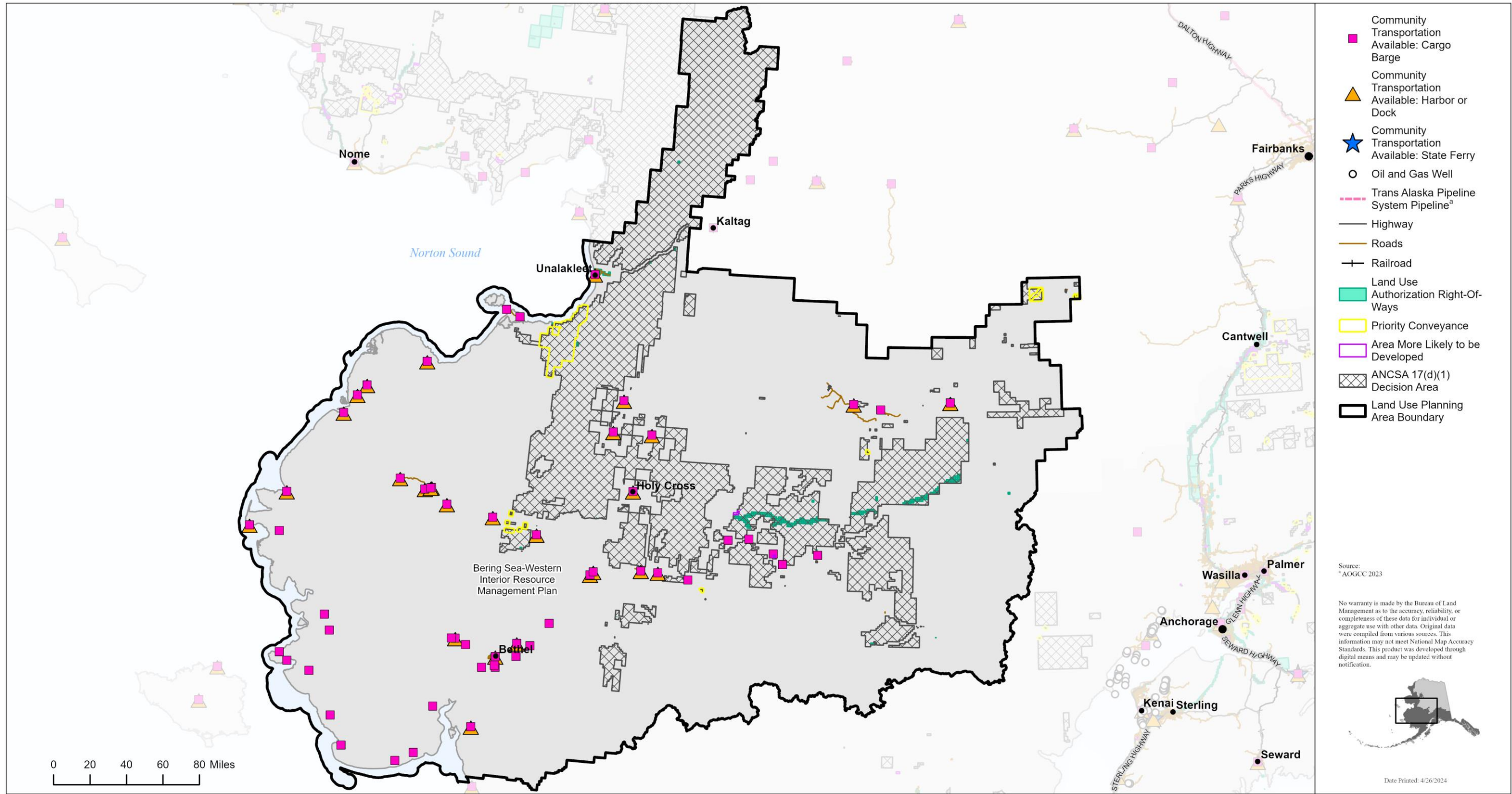


Figure 3.1-2. Past and present actions in the Bering Sea-Western Interior planning area.

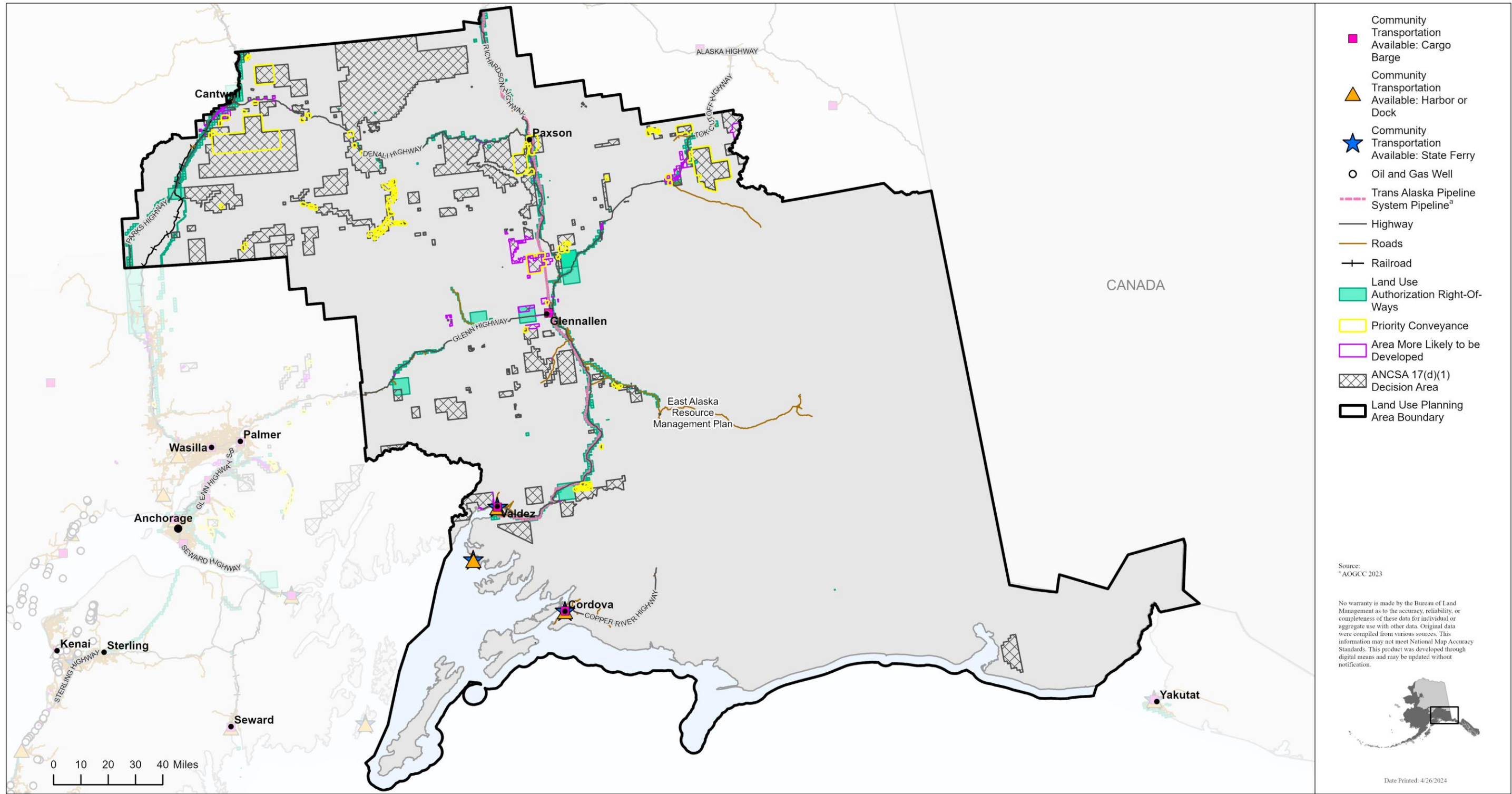


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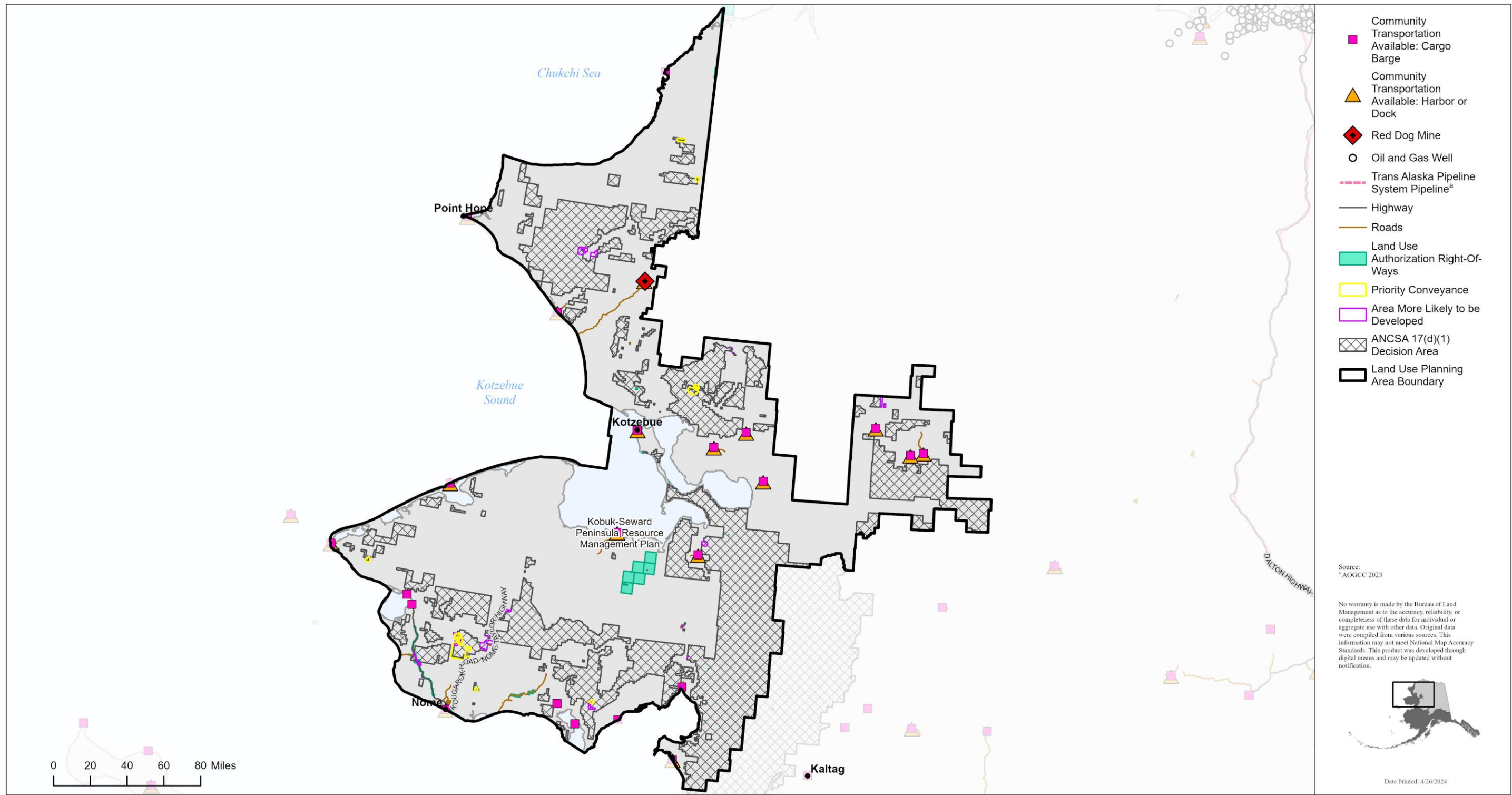


Figure 3.1-4. Past and present actions in the Kobuk-Seward Peninsula planning area.

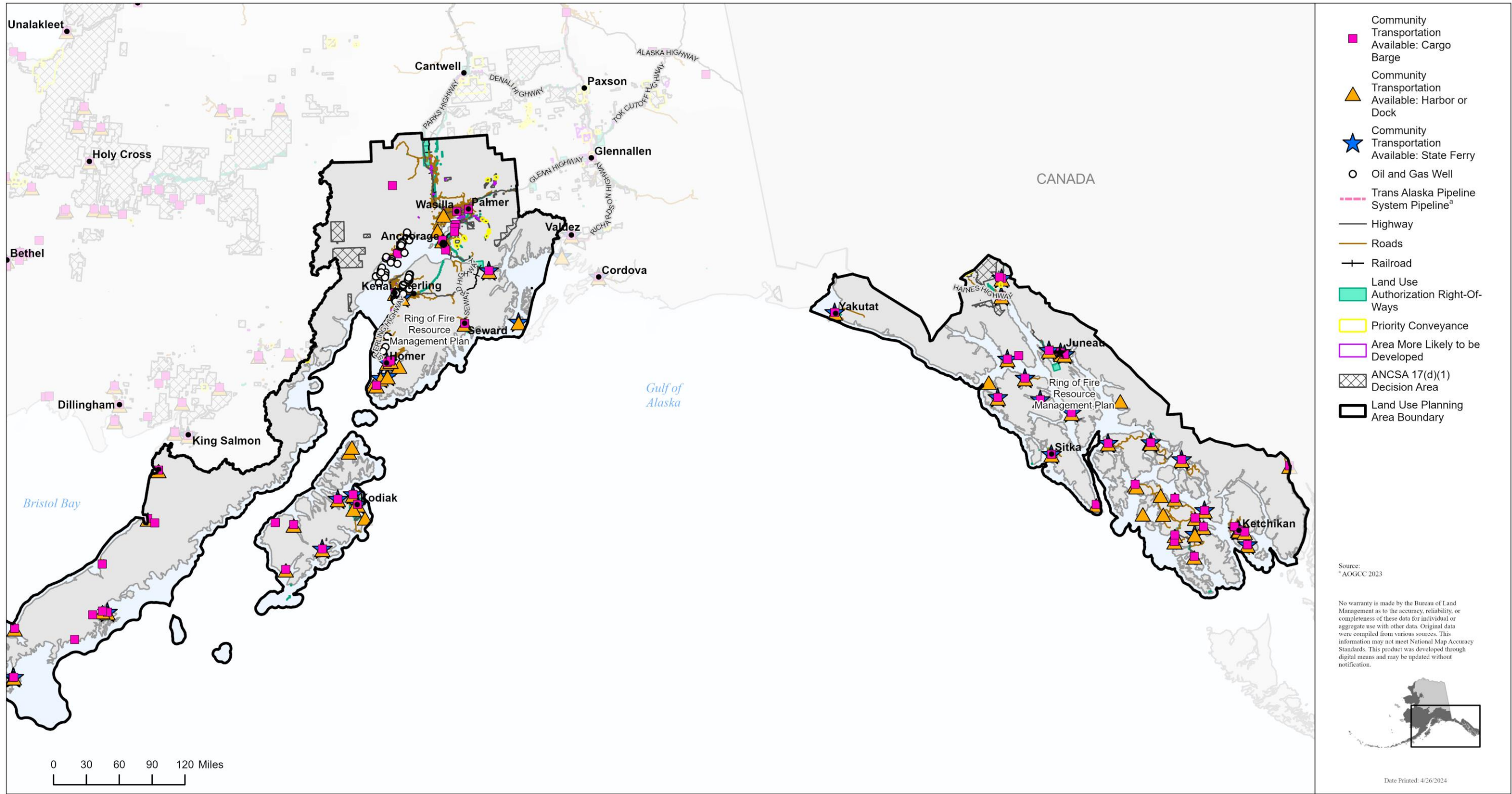


Figure 3.1-5. Past and present actions in the Ring of Fire planning area.

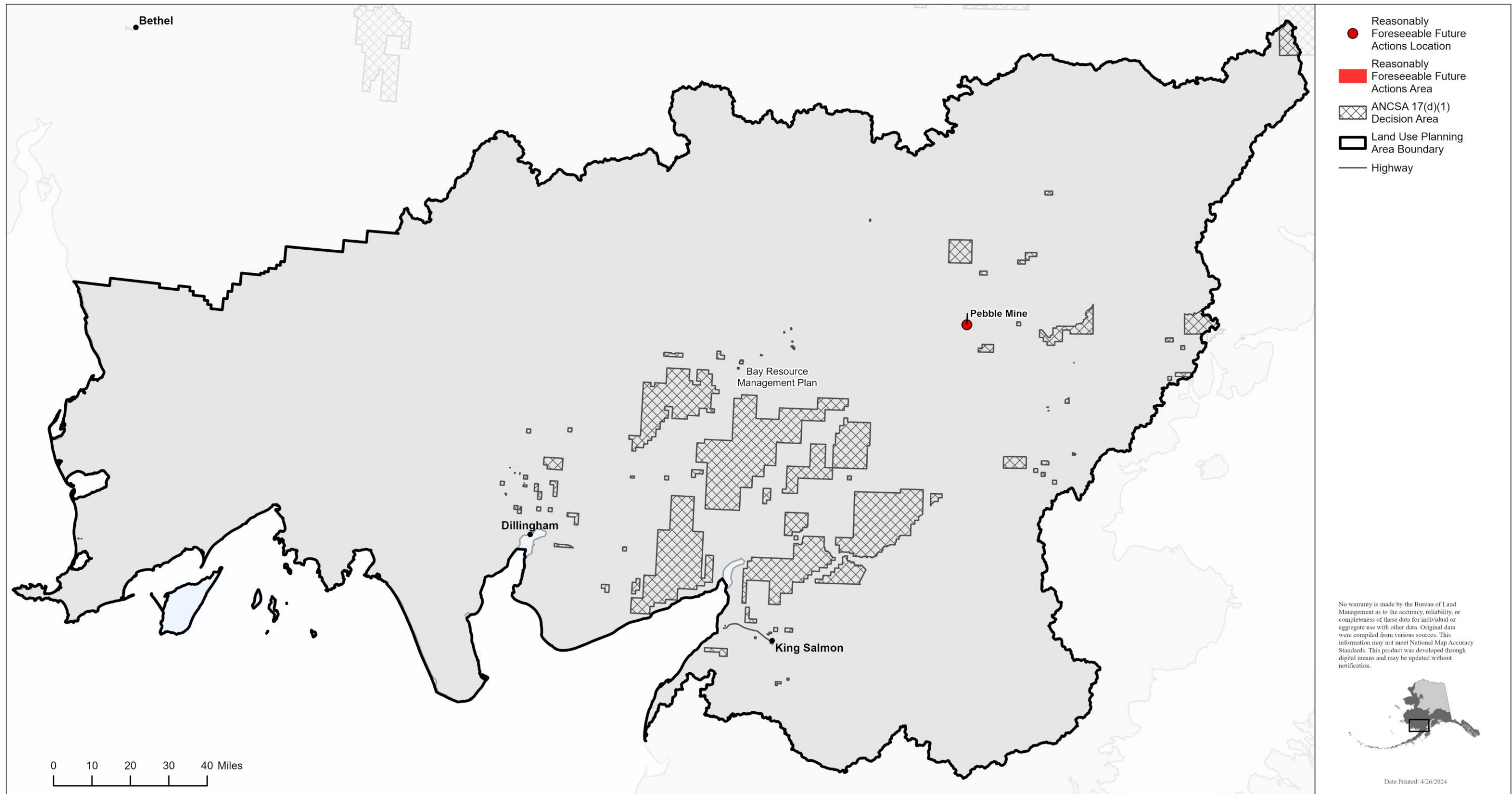


Figure 3.1-6. Reasonably foreseeable actions in the Bay planning area.

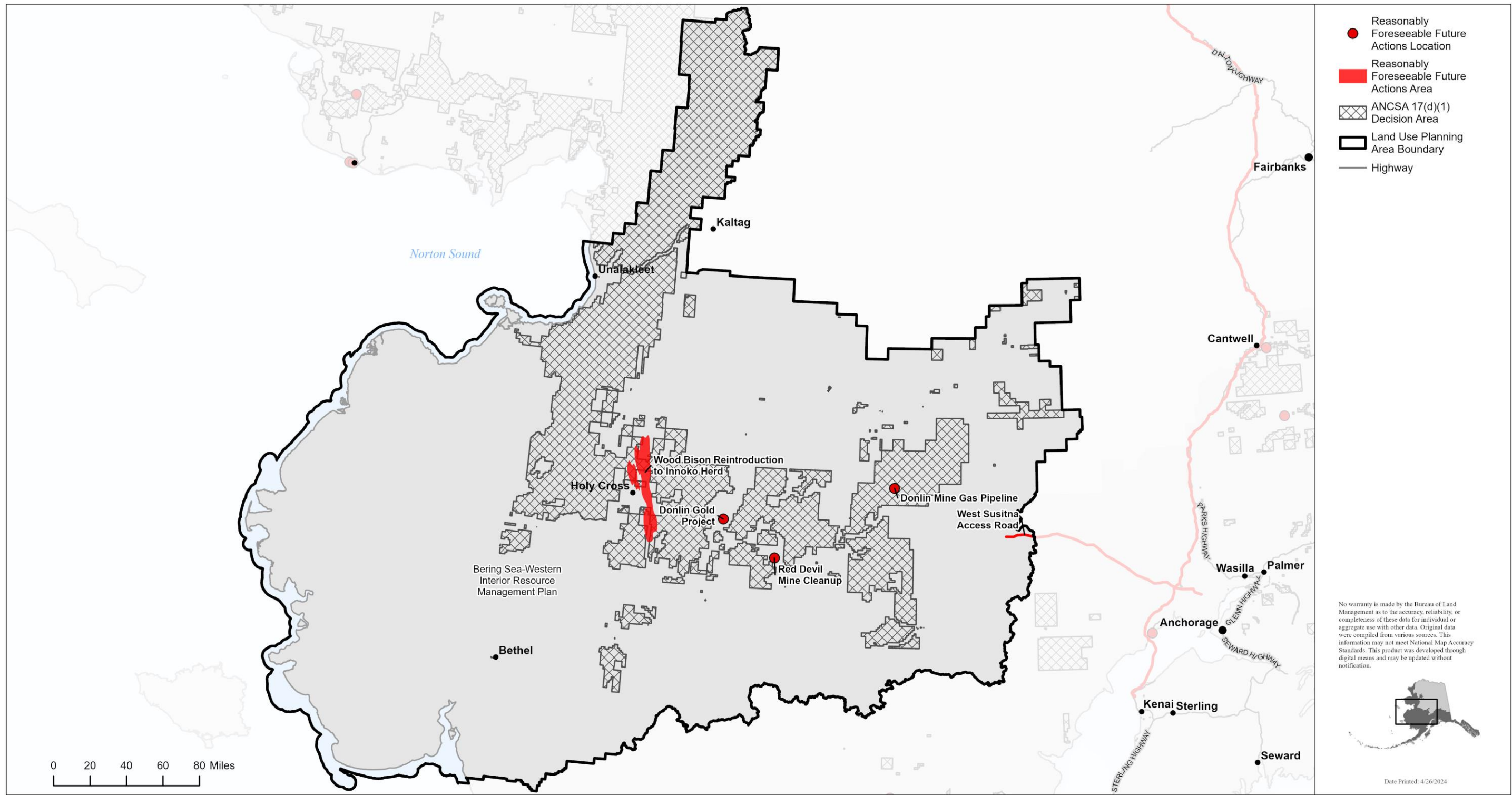


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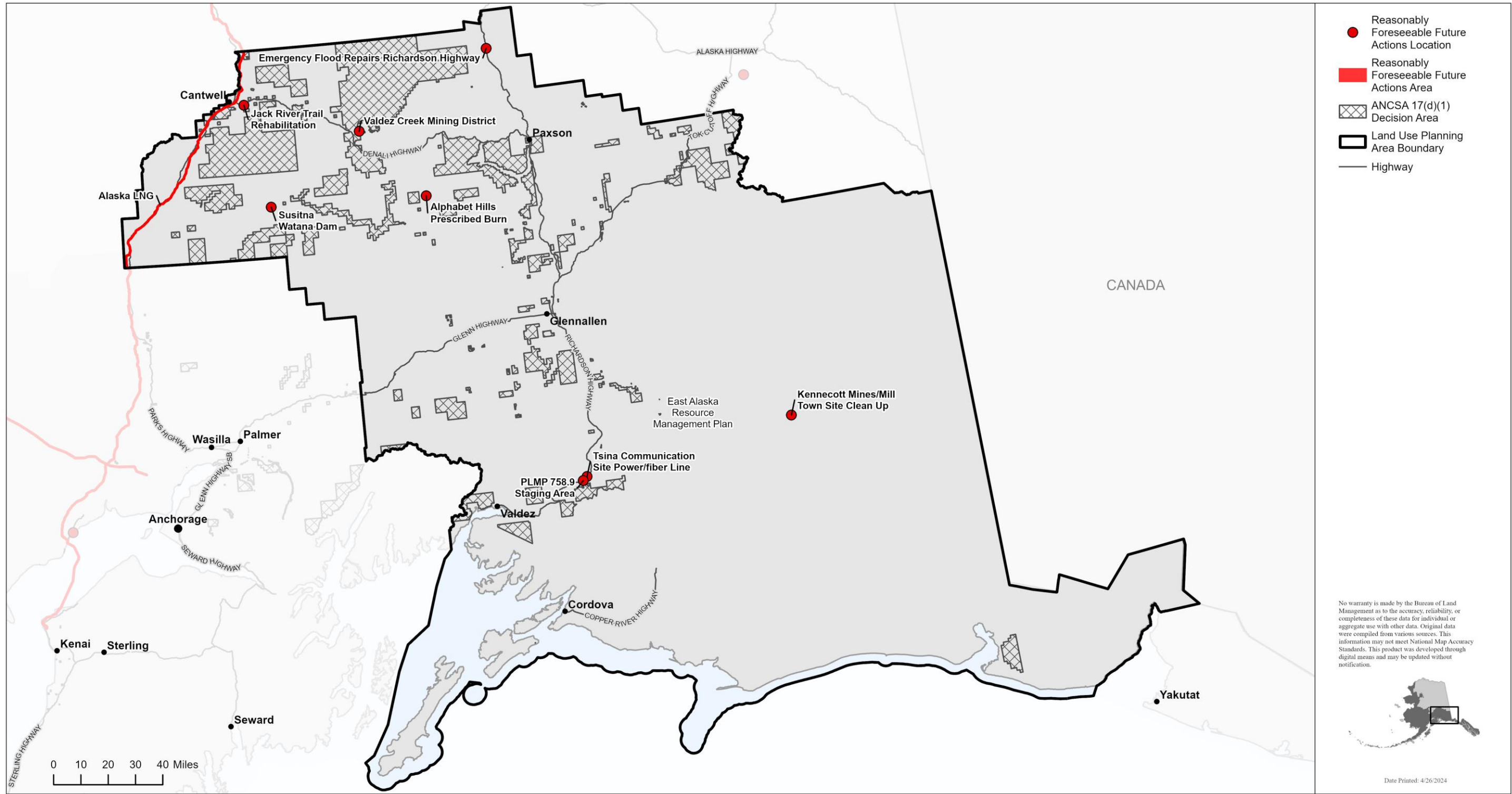


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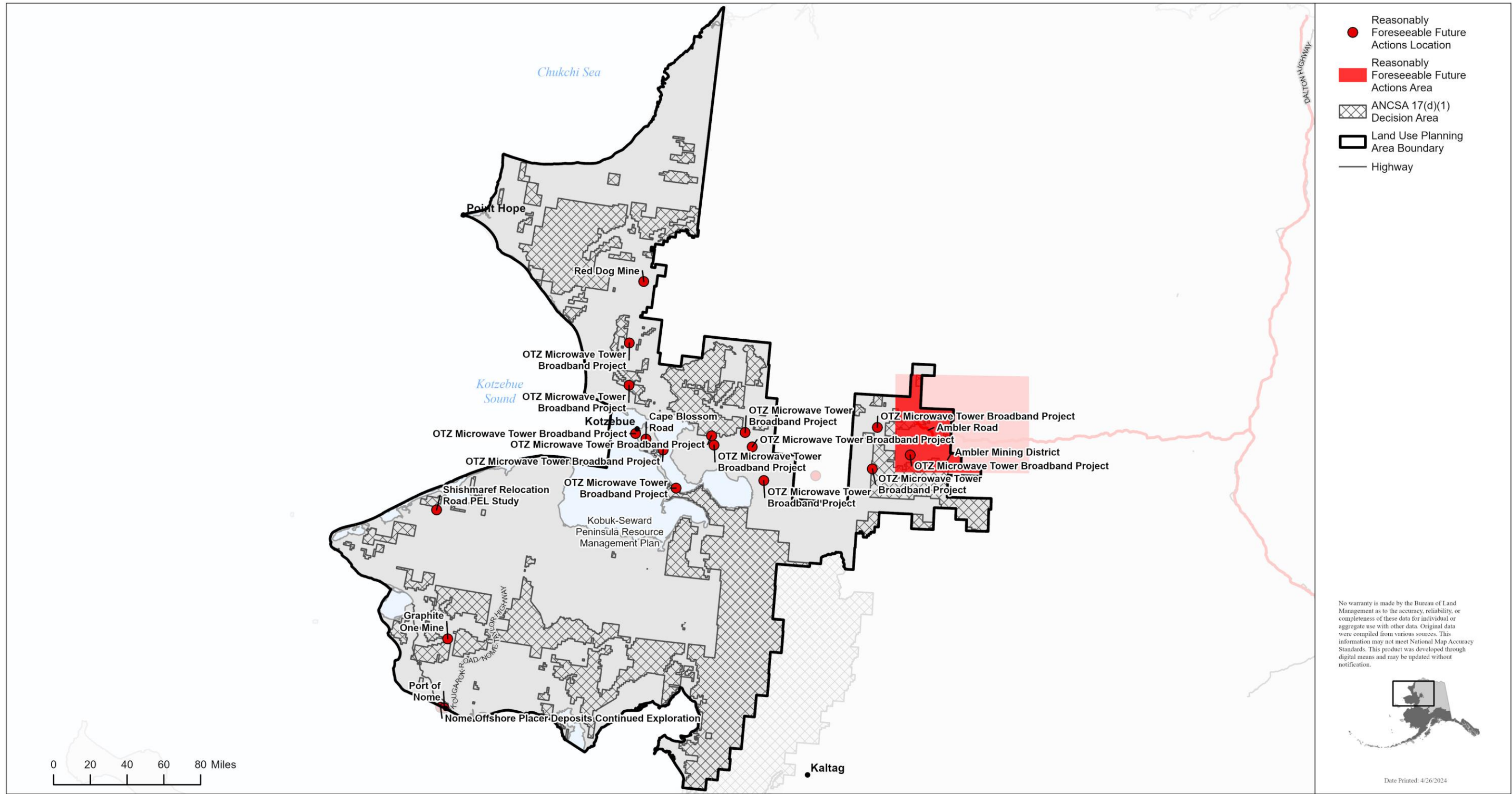


Figure 3.1-9. Reasonably foreseeable actions in the Kobuk-Seward Peninsula planning area.

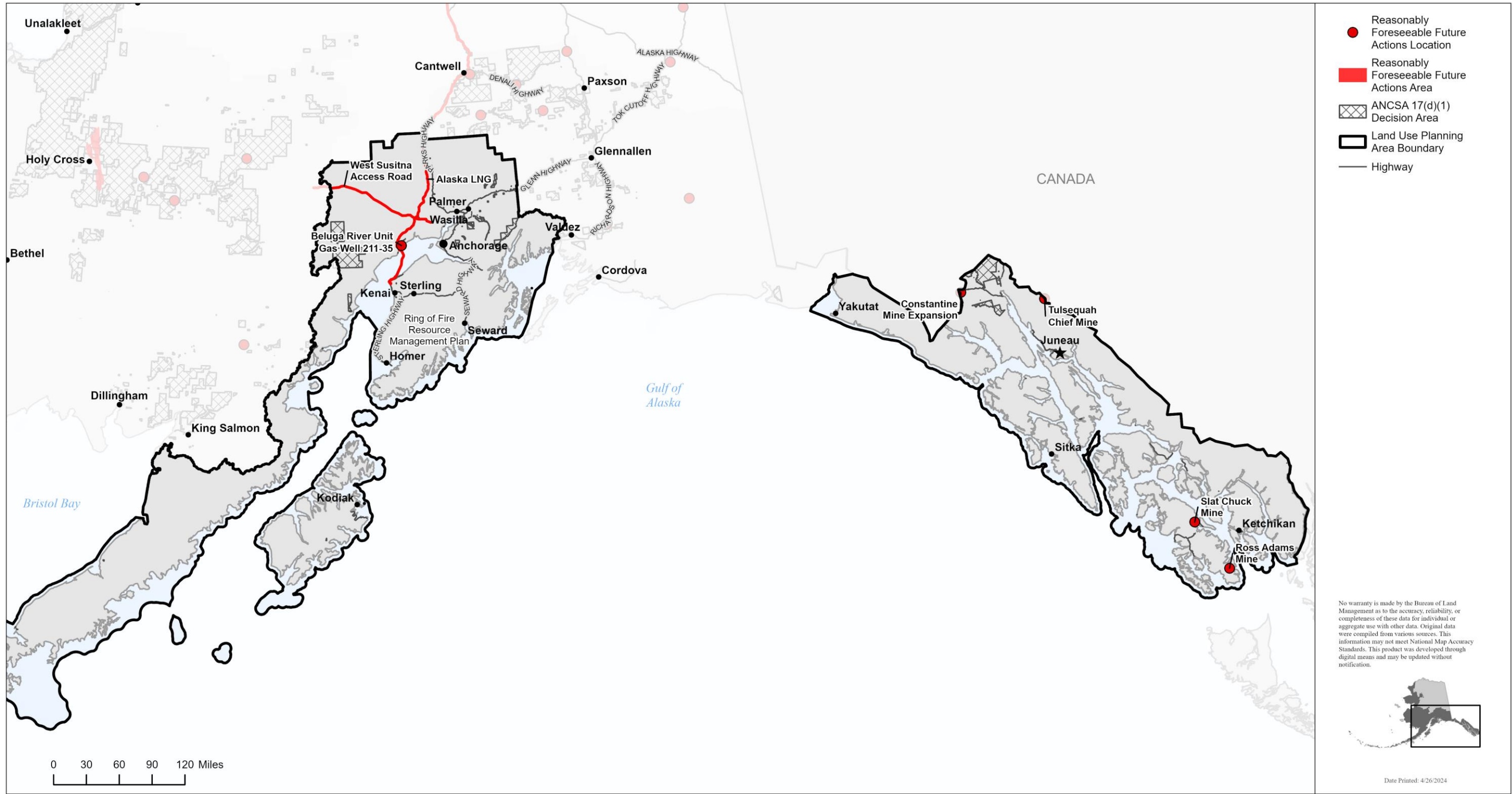


Figure 3.1-10. Reasonably foreseeable actions in the Ring of Fire planning area.

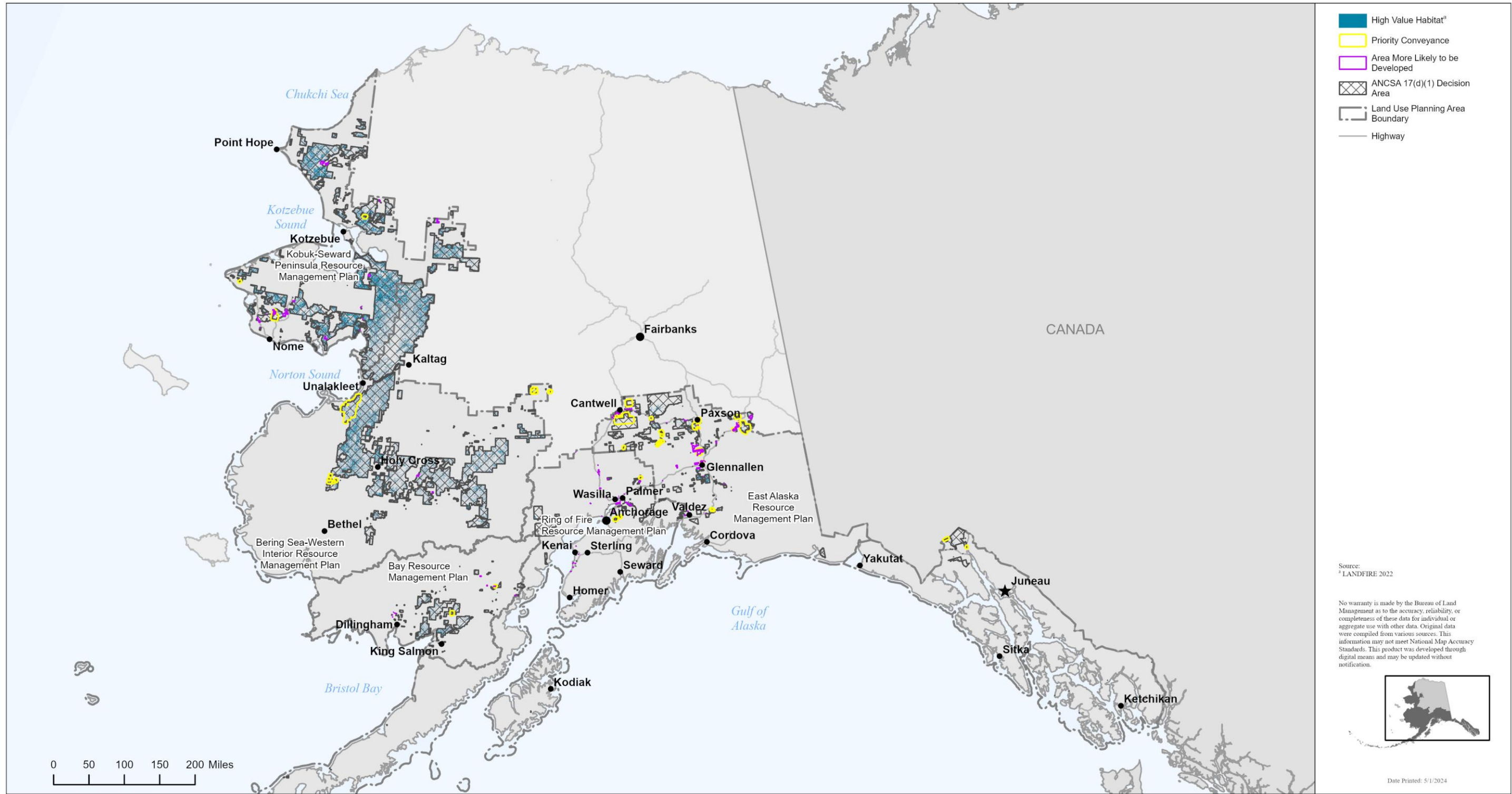


Figure 3.2-1. High-value bird habitat in all planning areas with ANCSA 17(d)(1) withdrawals.

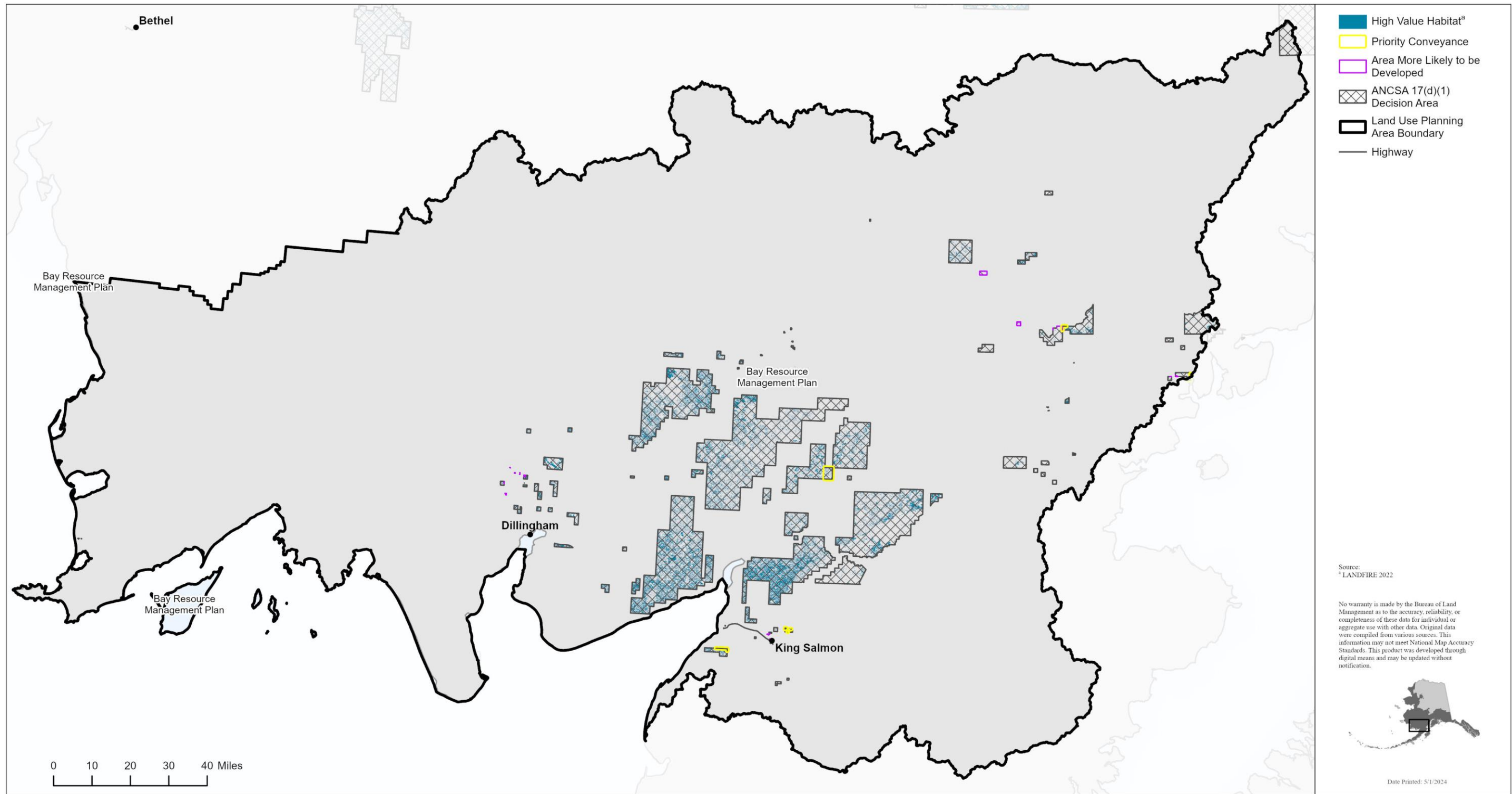


Figure 3.2-2. High-value bird habitat in the Bay planning area with ANCSA 17(d)(1) withdrawals.

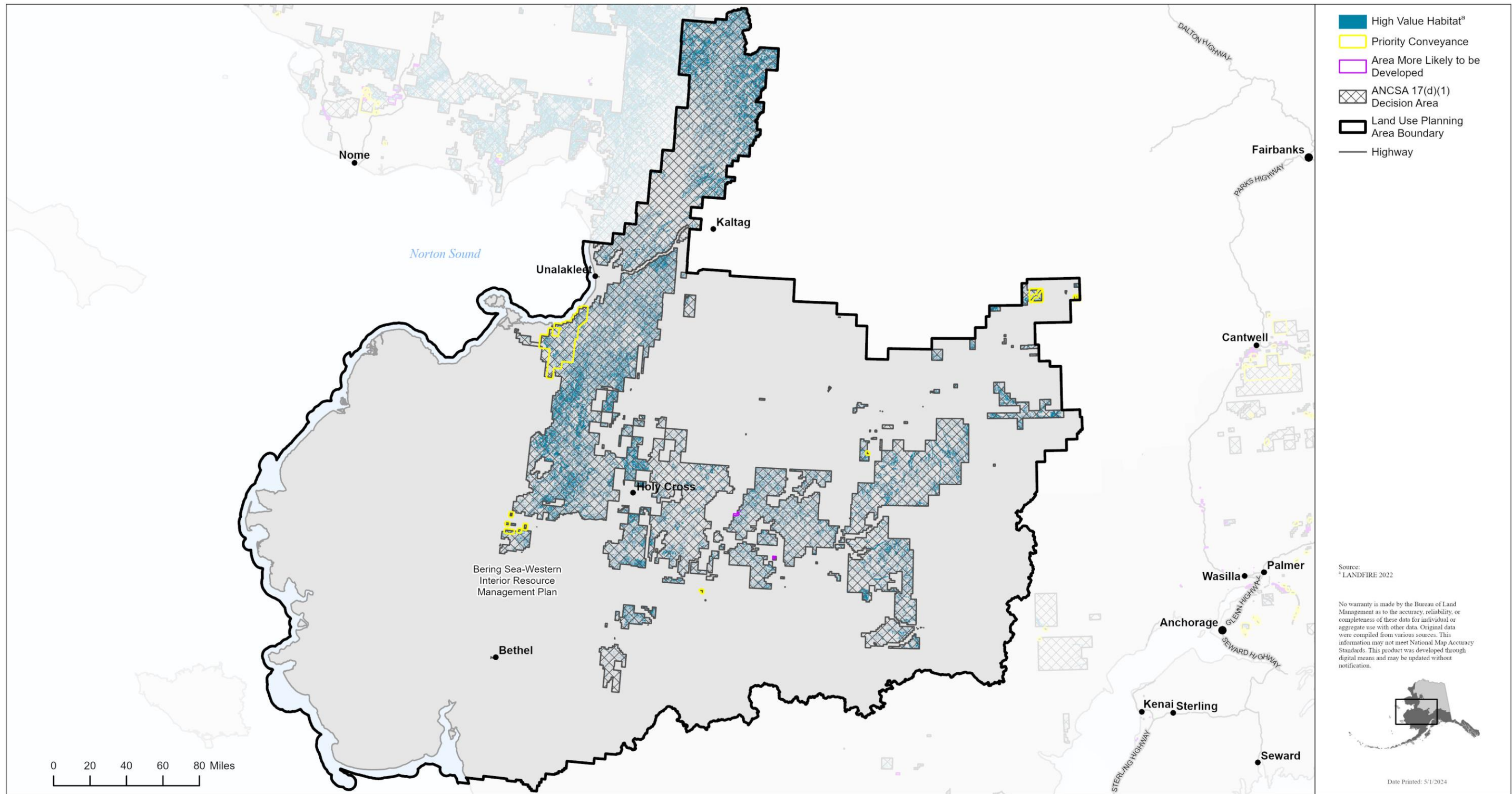


Figure 3.2-3. High-value bird habitat in the Bering Sea-Western Interior planning area with ANCSA 17(d)(1) withdrawals.

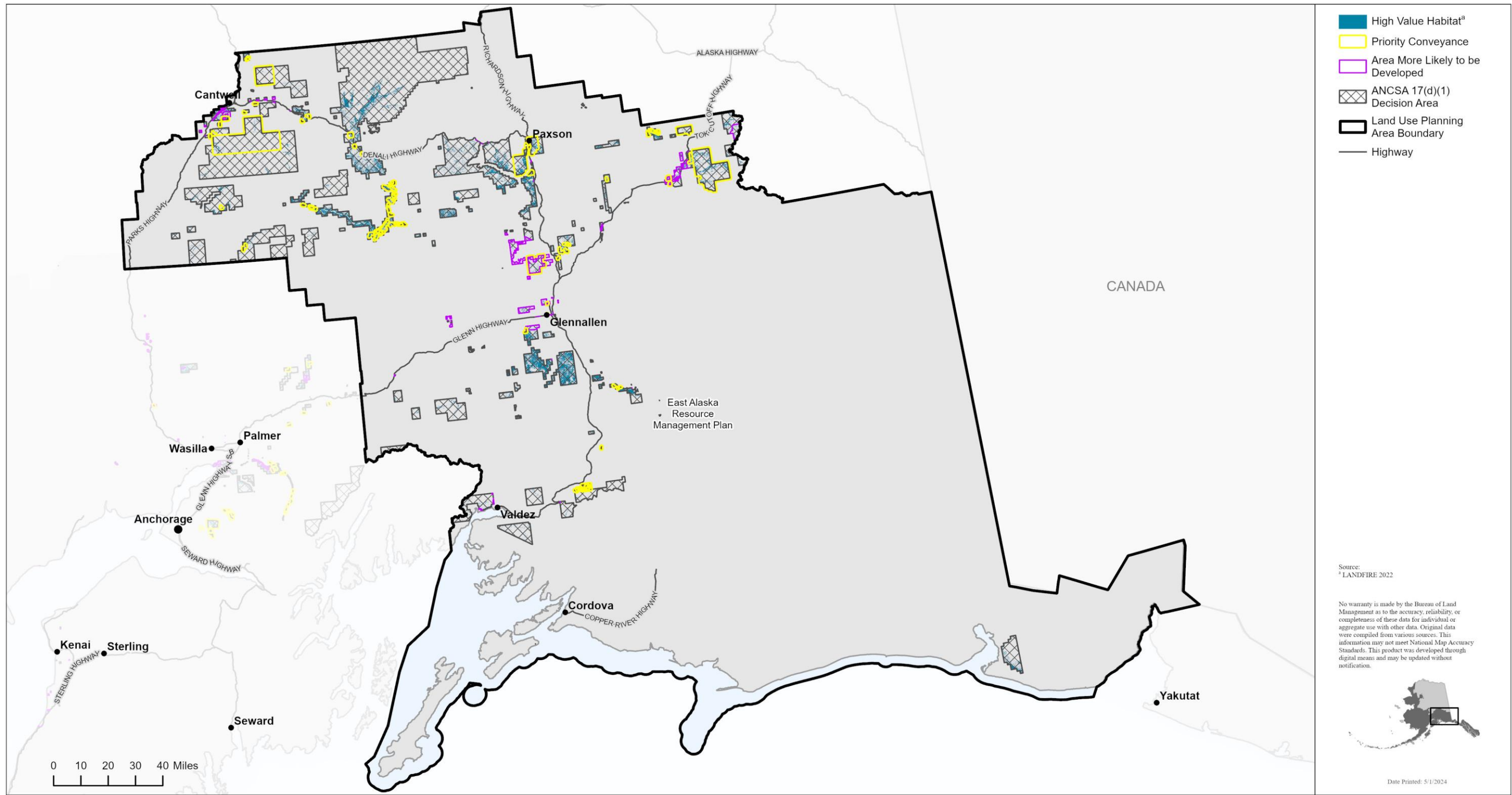


Figure 3.2-4. High-value bird habitat in the East Alaska planning area with ANCSA 17(d)(1) withdrawals.

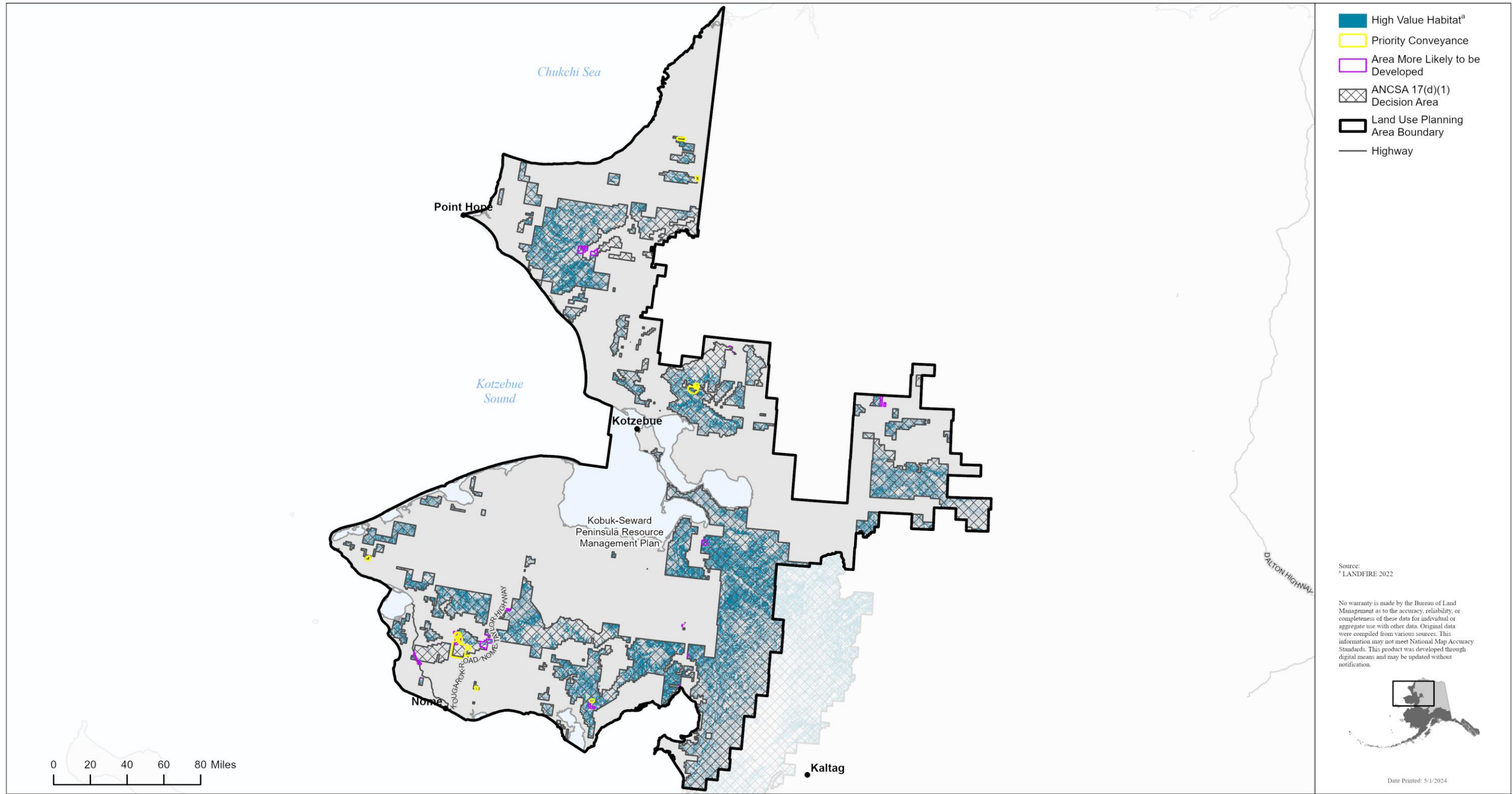


Figure 3.2-5. High-value bird habitat in the Kobuk-Seward Peninsula planning area with ANCSA 17(d)(1) withdrawals.

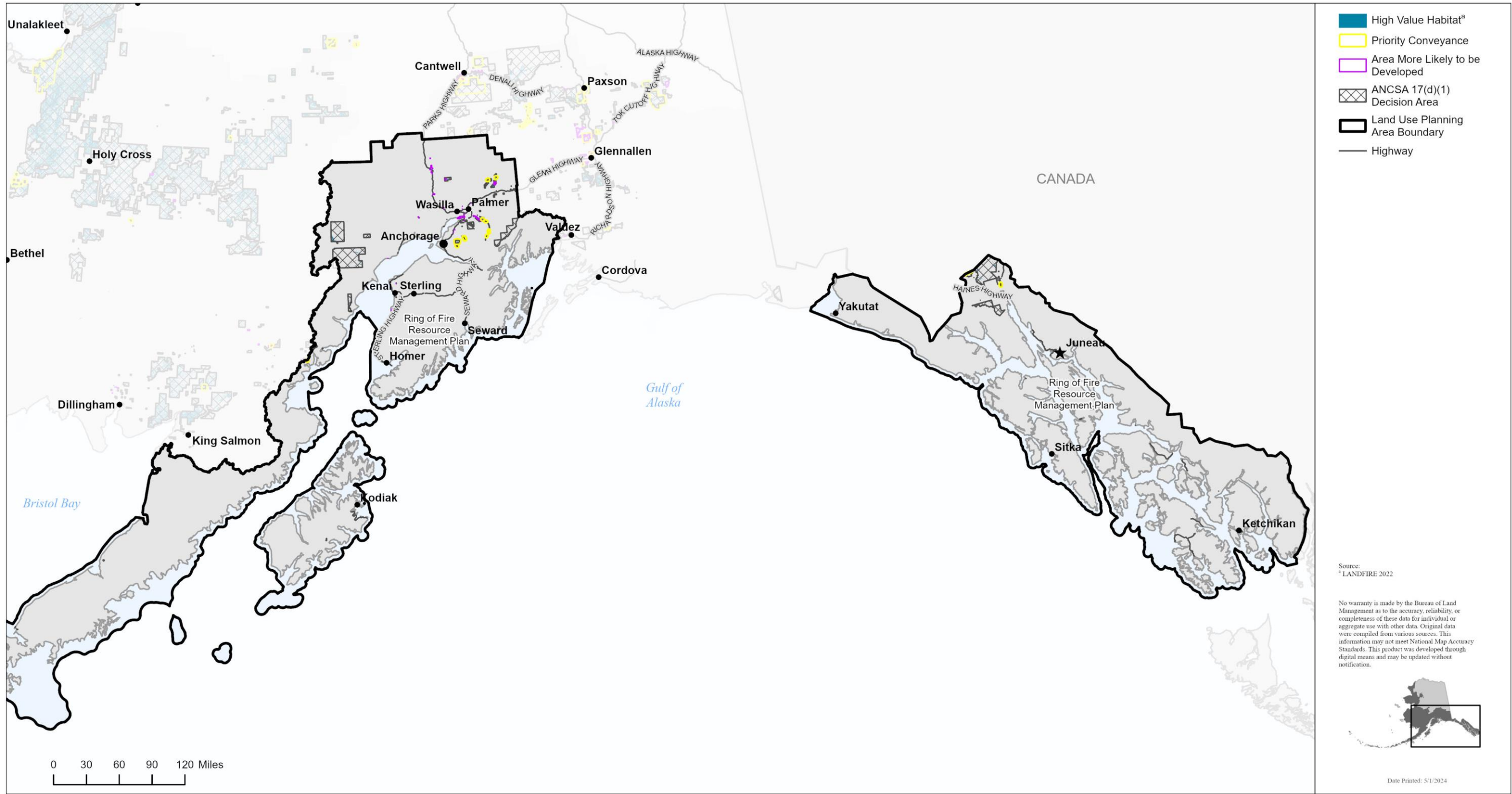


Figure 3.2-6. High-value bird habitat in the Ring of Fire planning area with ANCSA 17(d)(1) withdrawals.

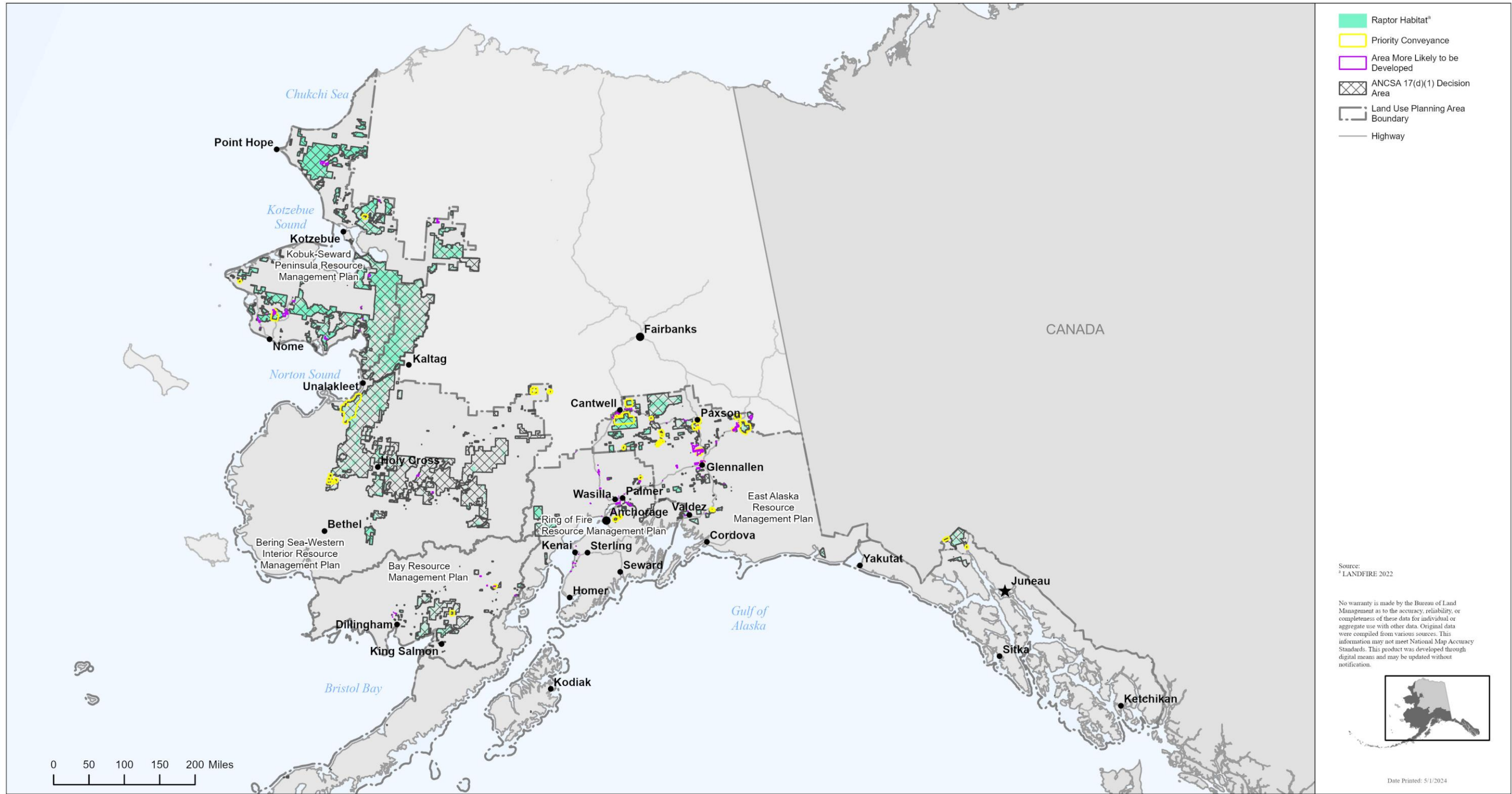


Figure 3.2-7. Raptor habitat in all planning areas with ANCSA 17(d)(1) withdrawals.

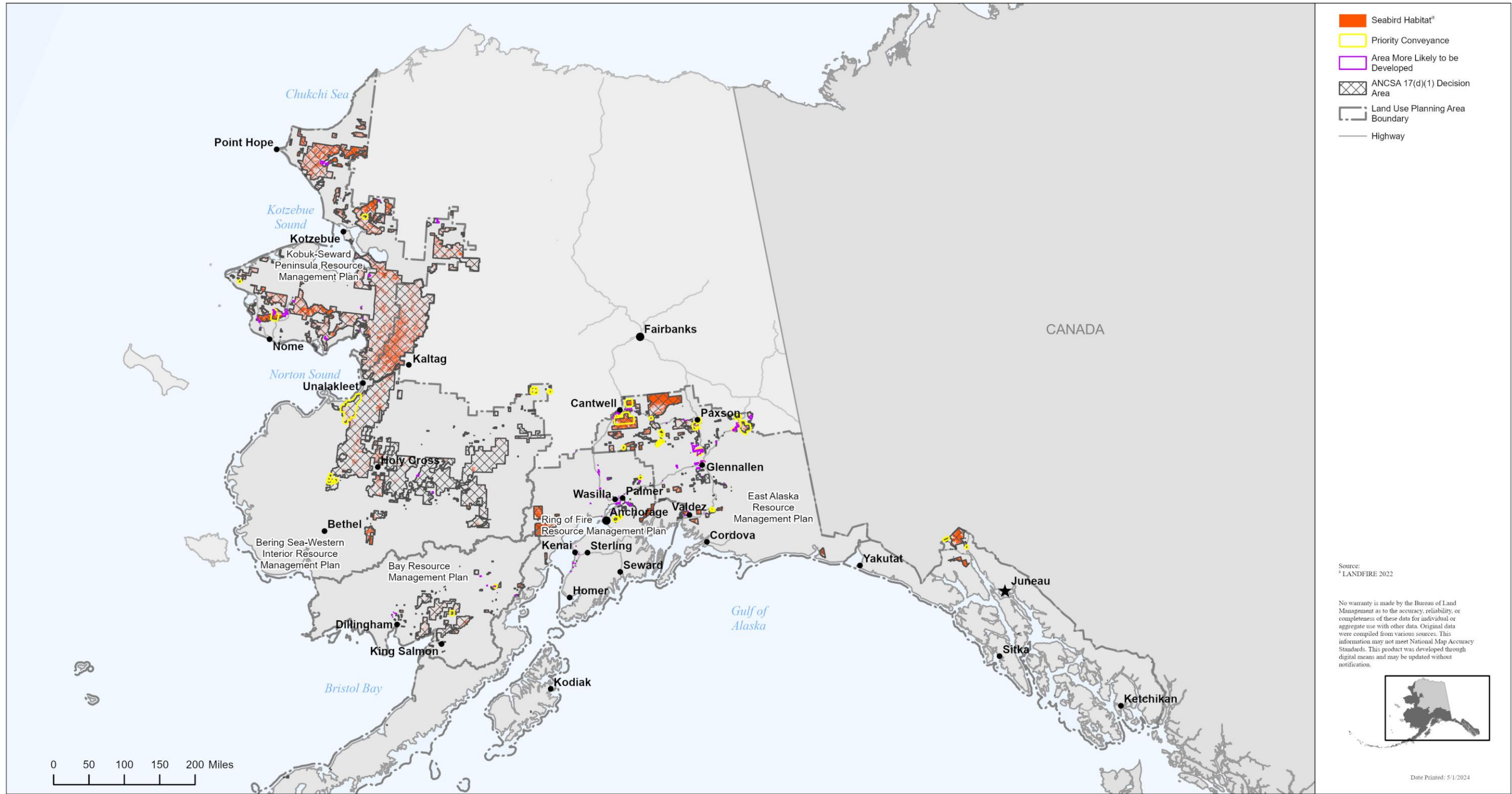


Figure 3.2-8. Seabird habitat in all planning areas with ANCSA 17(d)(1) withdrawals.

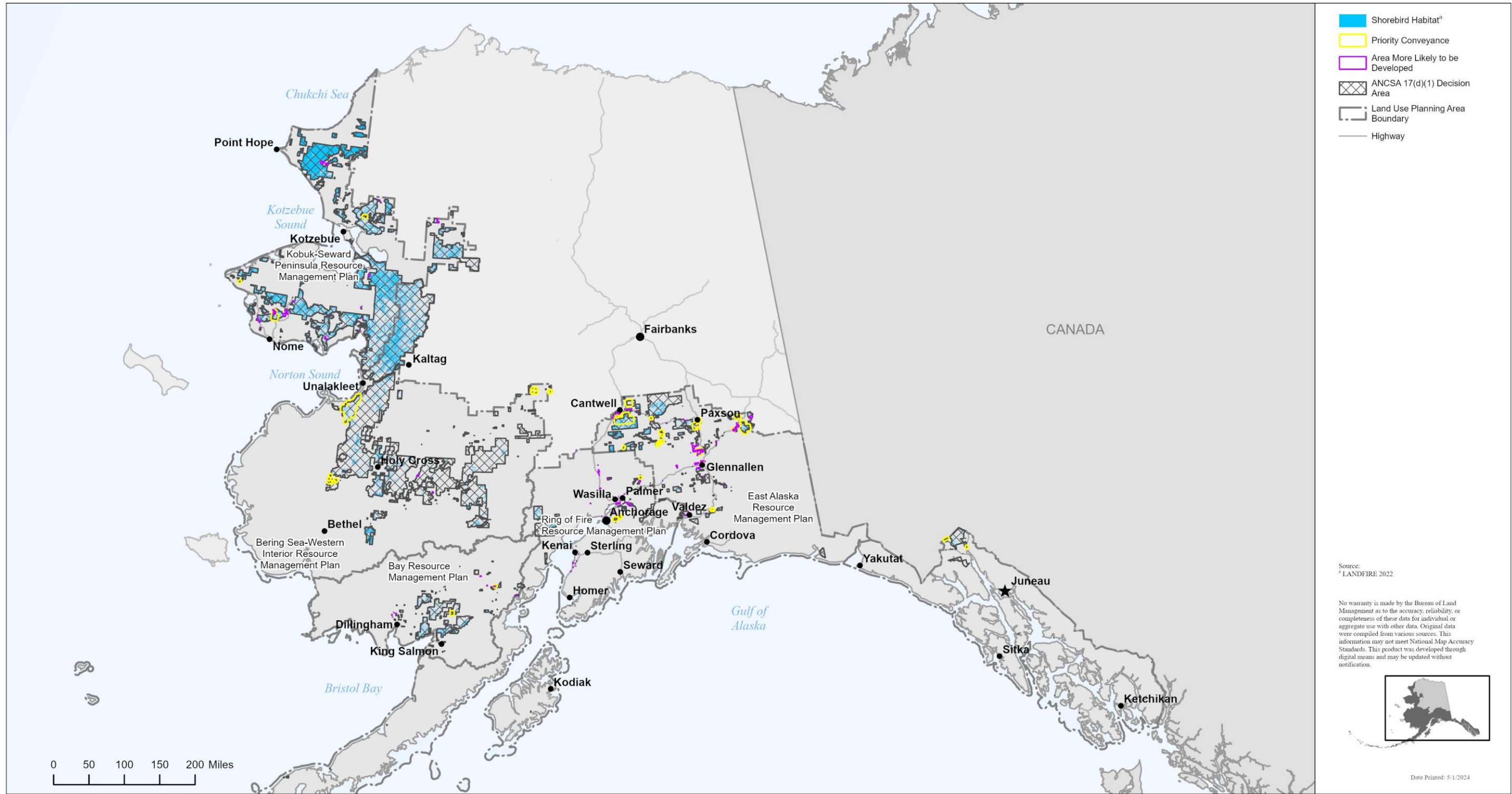


Figure 3.2-9. Shorebird habitat in all planning areas with ANCSA 17(d)(1) withdrawals.

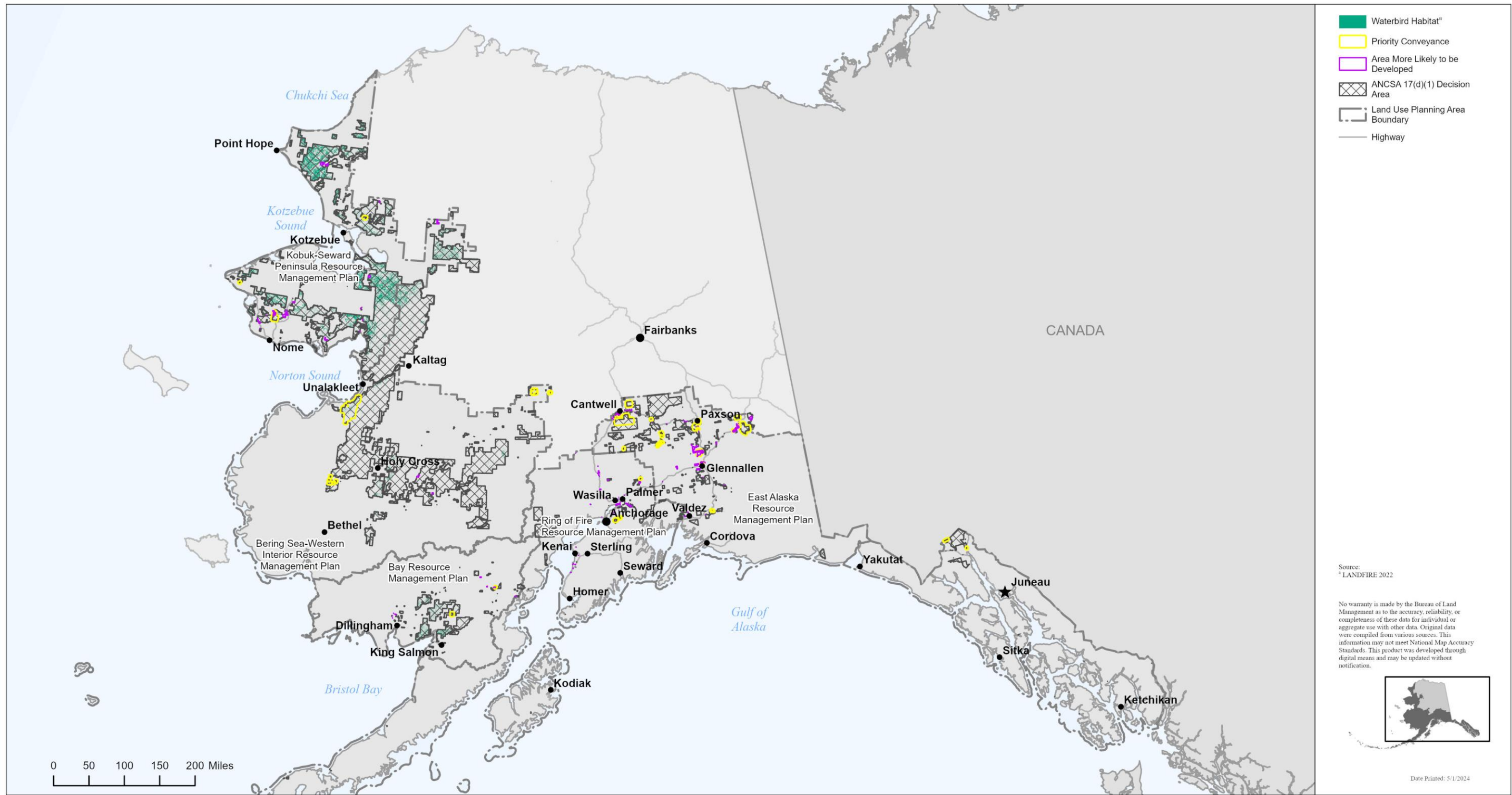


Figure 3.2-10. Waterbird habitat in all planning areas with ANCSA 17(d)(1) withdrawals.

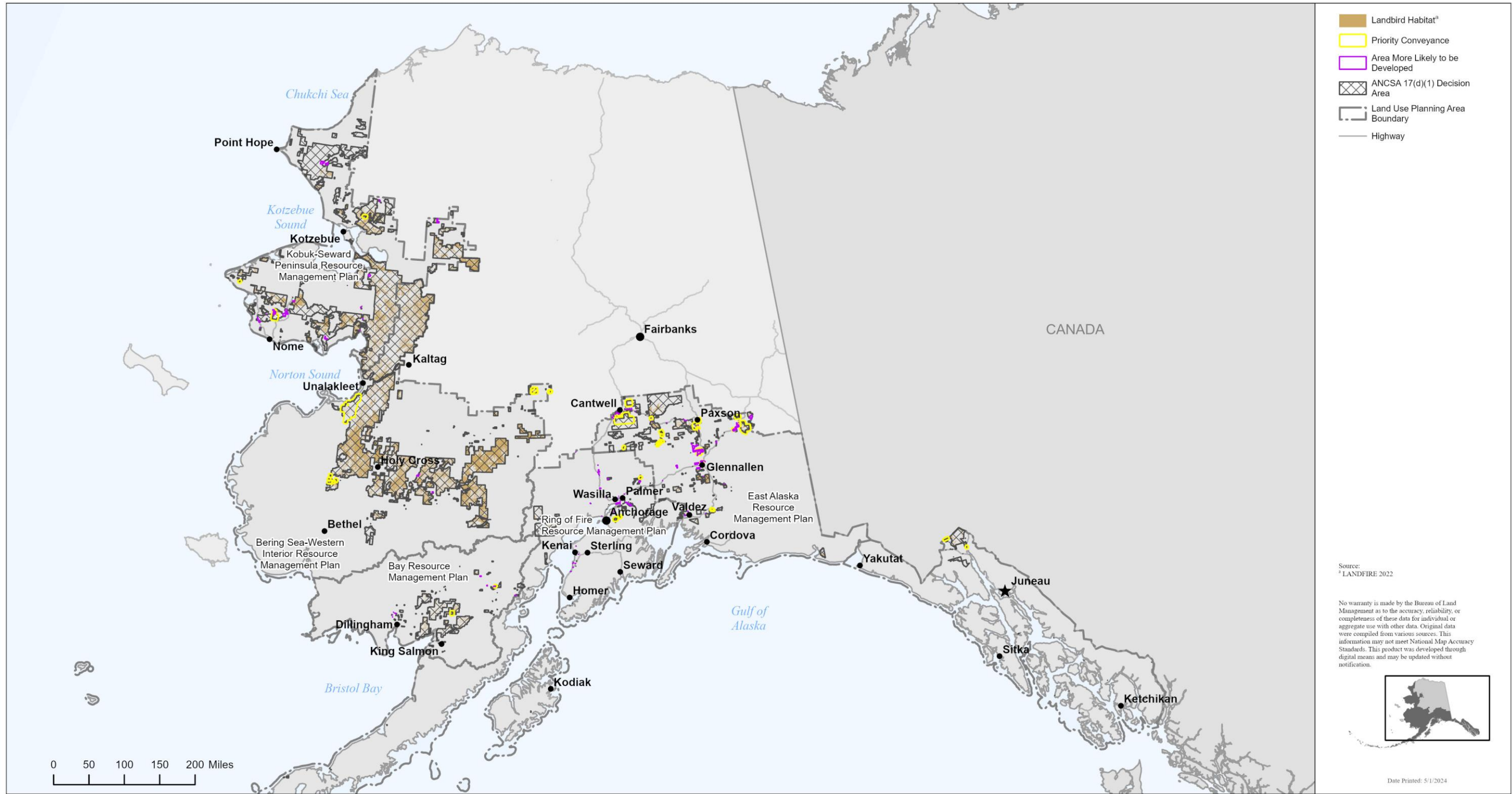


Figure 3.2-11. Landbird habitat in all planning areas with ANCSA 17(d)(1) withdrawals.

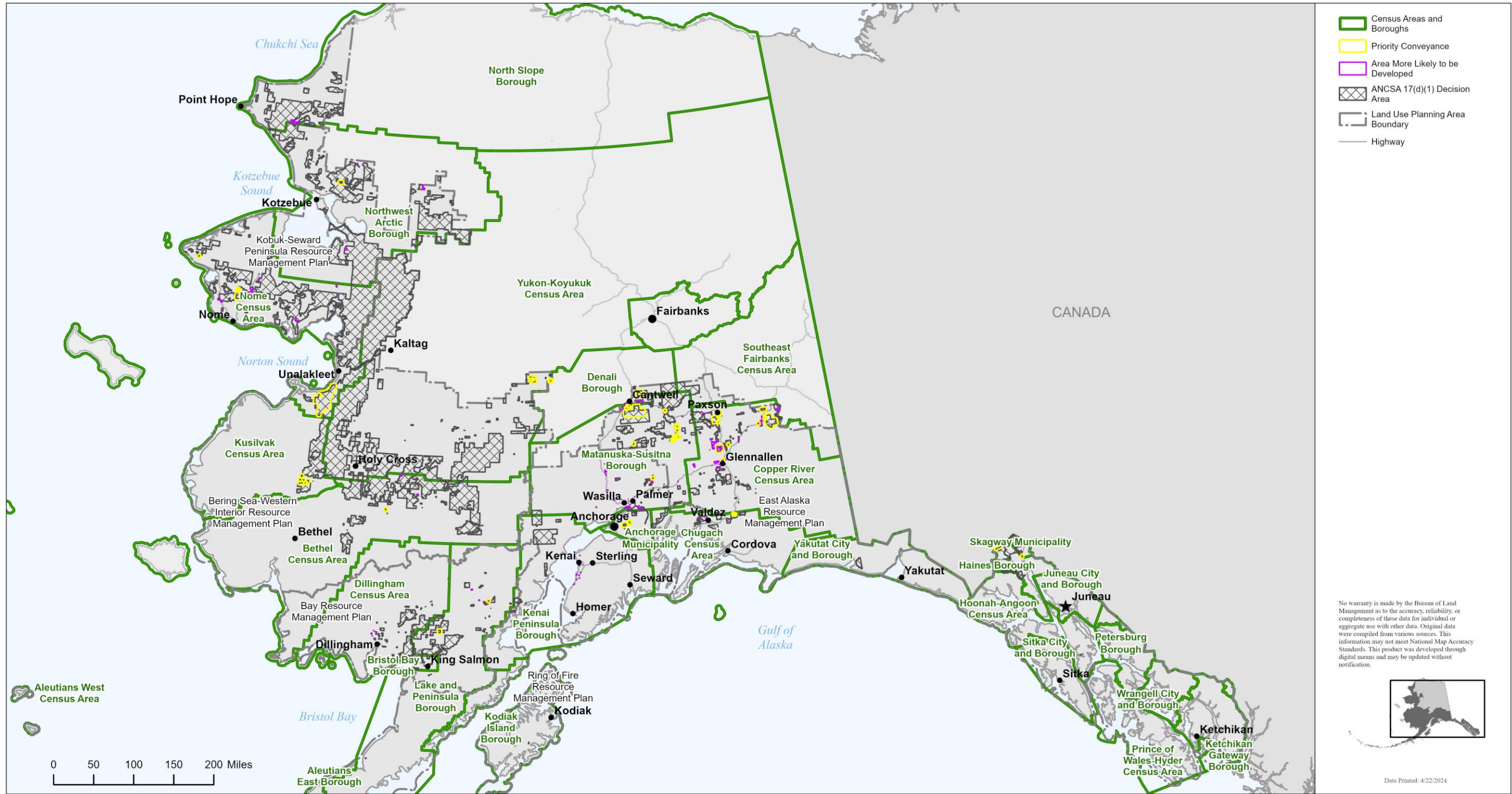


Figure 3.5-1. Boroughs and census areas in the socioeconomic impact area.

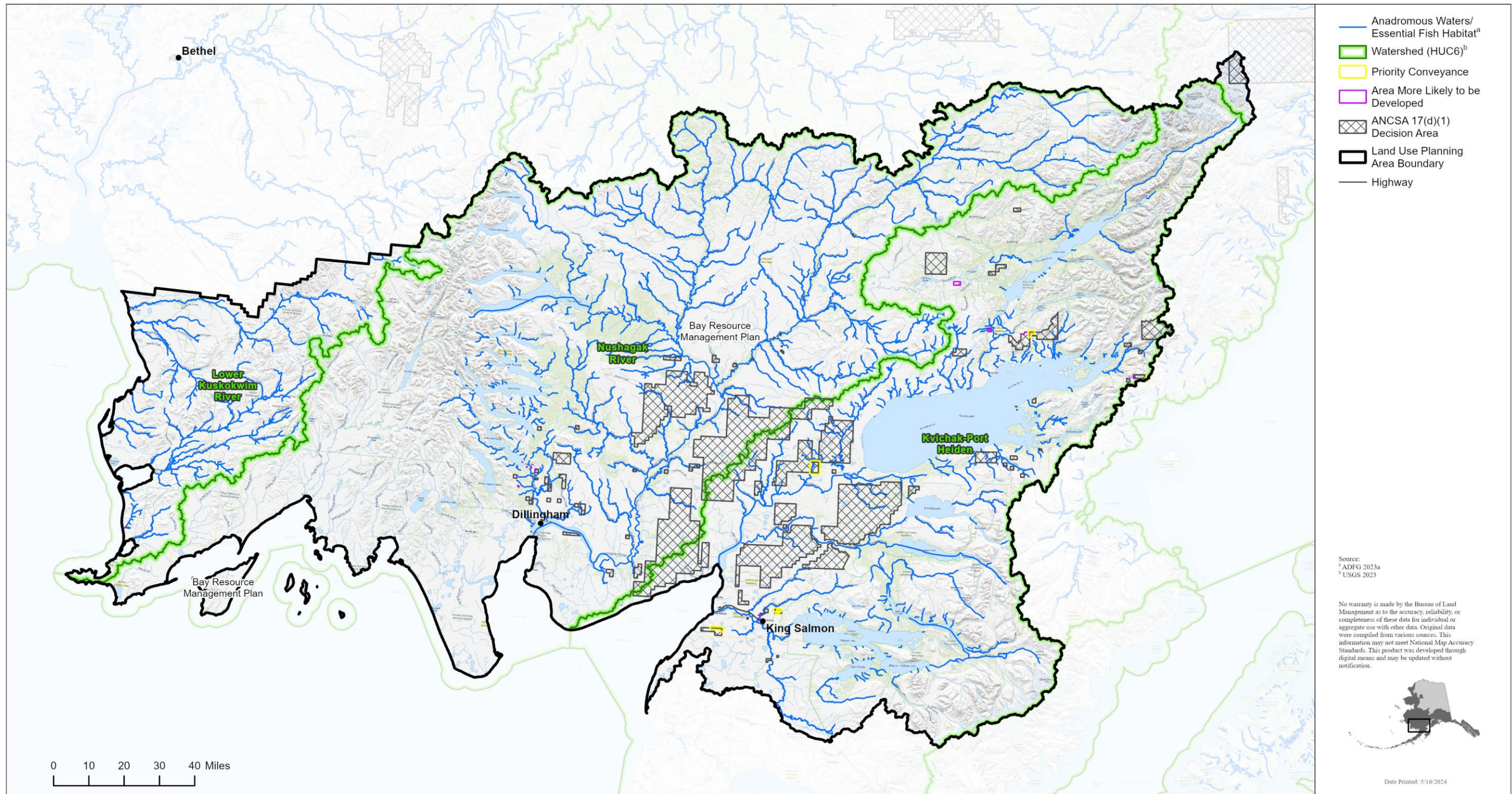


Figure 3.7-1. Fish habitat analysis area, Bay planning area.

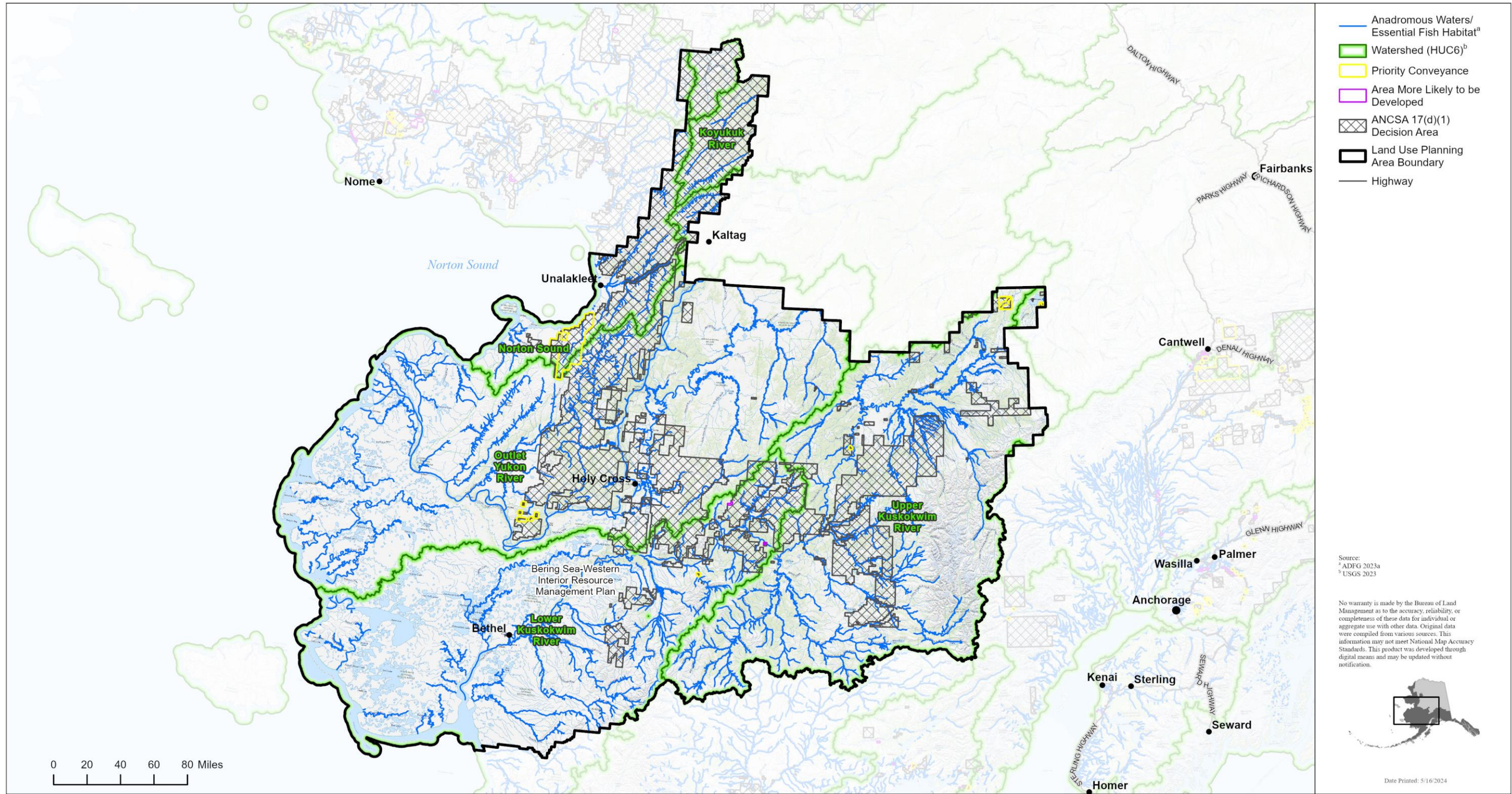


Figure 3.7-2. Fish habitat analysis area, Bering Sea-Western Interior planning area.

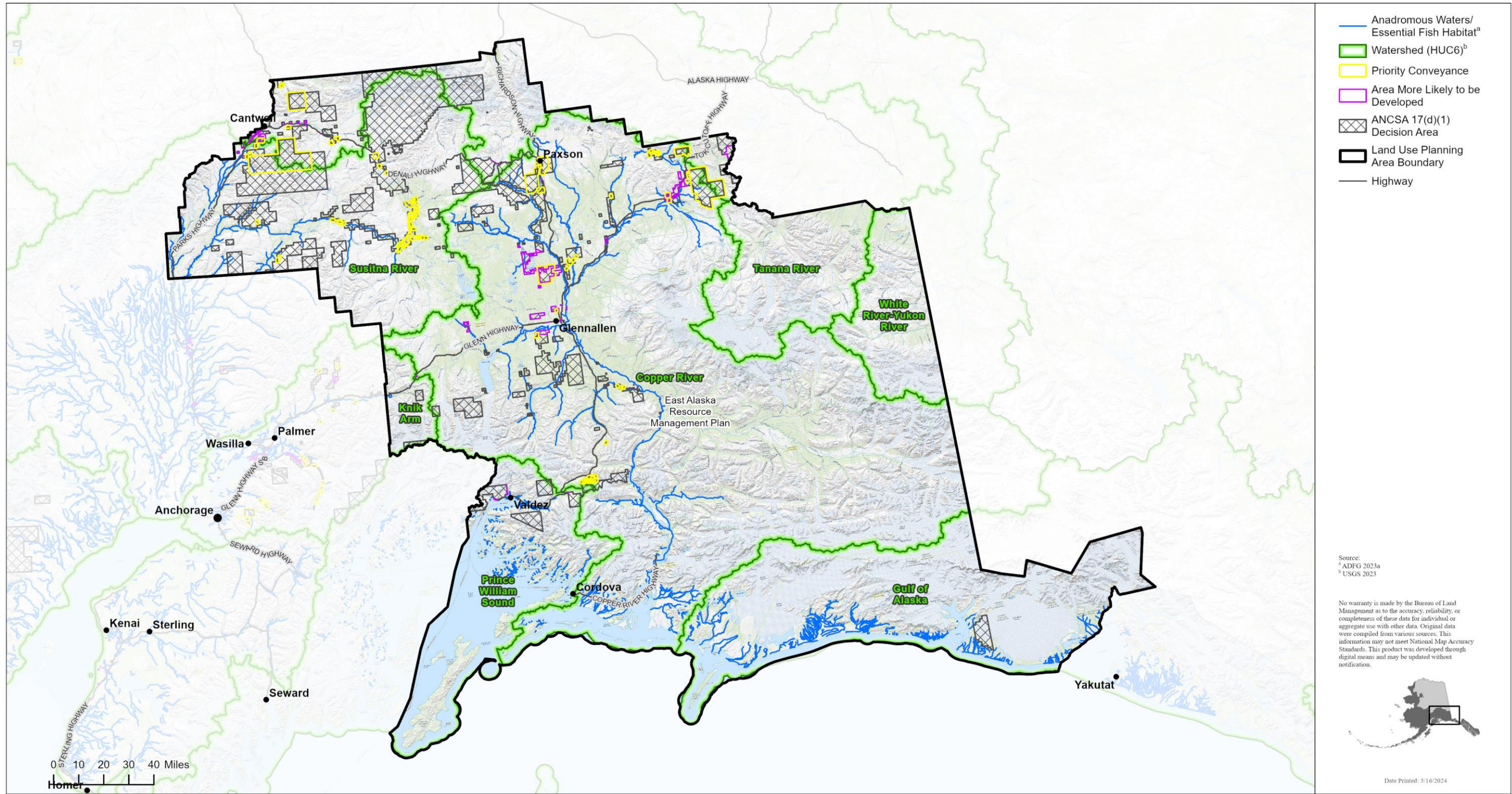


Figure 3.7-3. Fish habitat analysis area, East Alaska planning area.

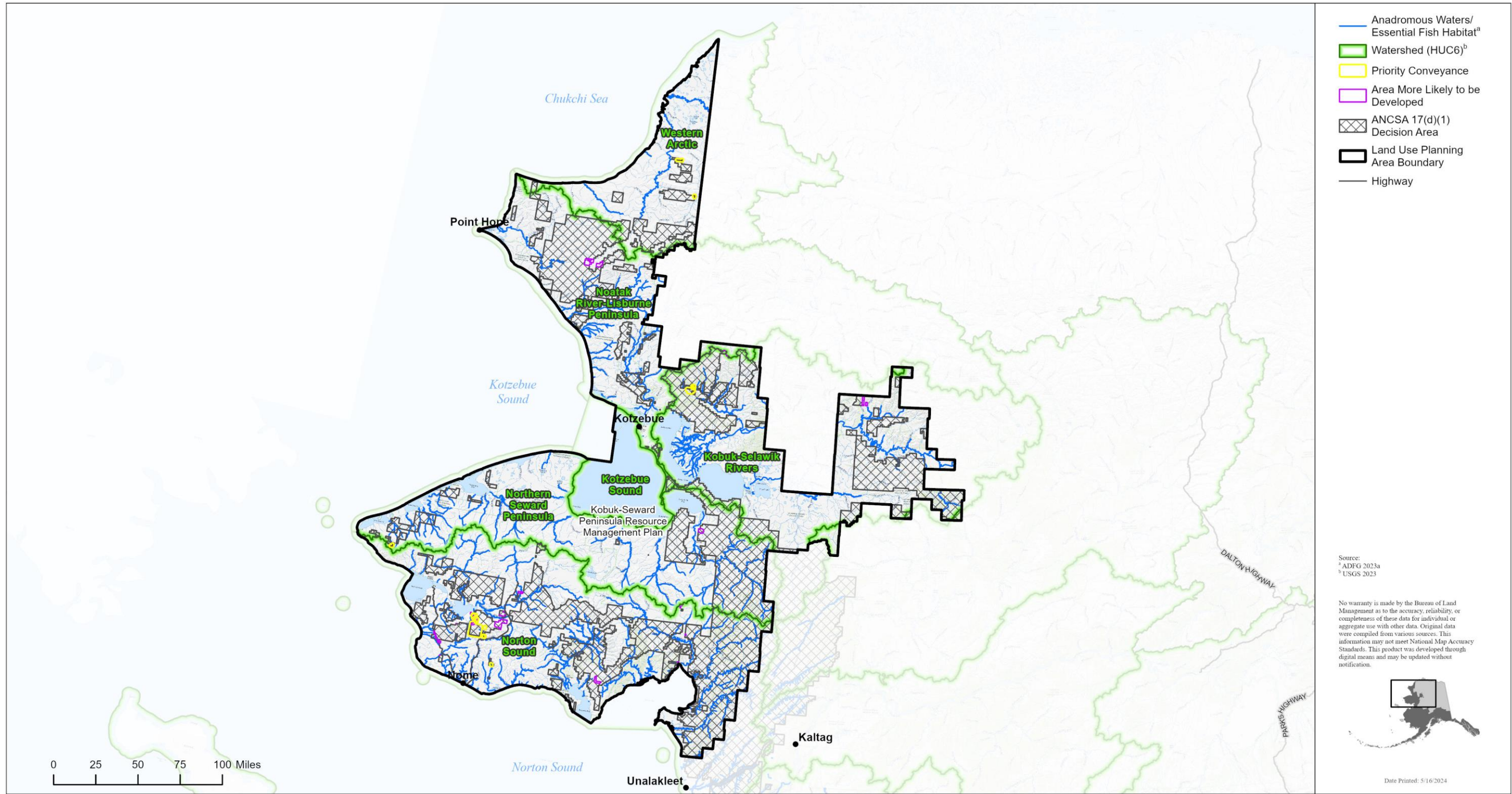


Figure 3.7-4. Fish habitat analysis area, Kobuk-Seward Peninsula planning area.

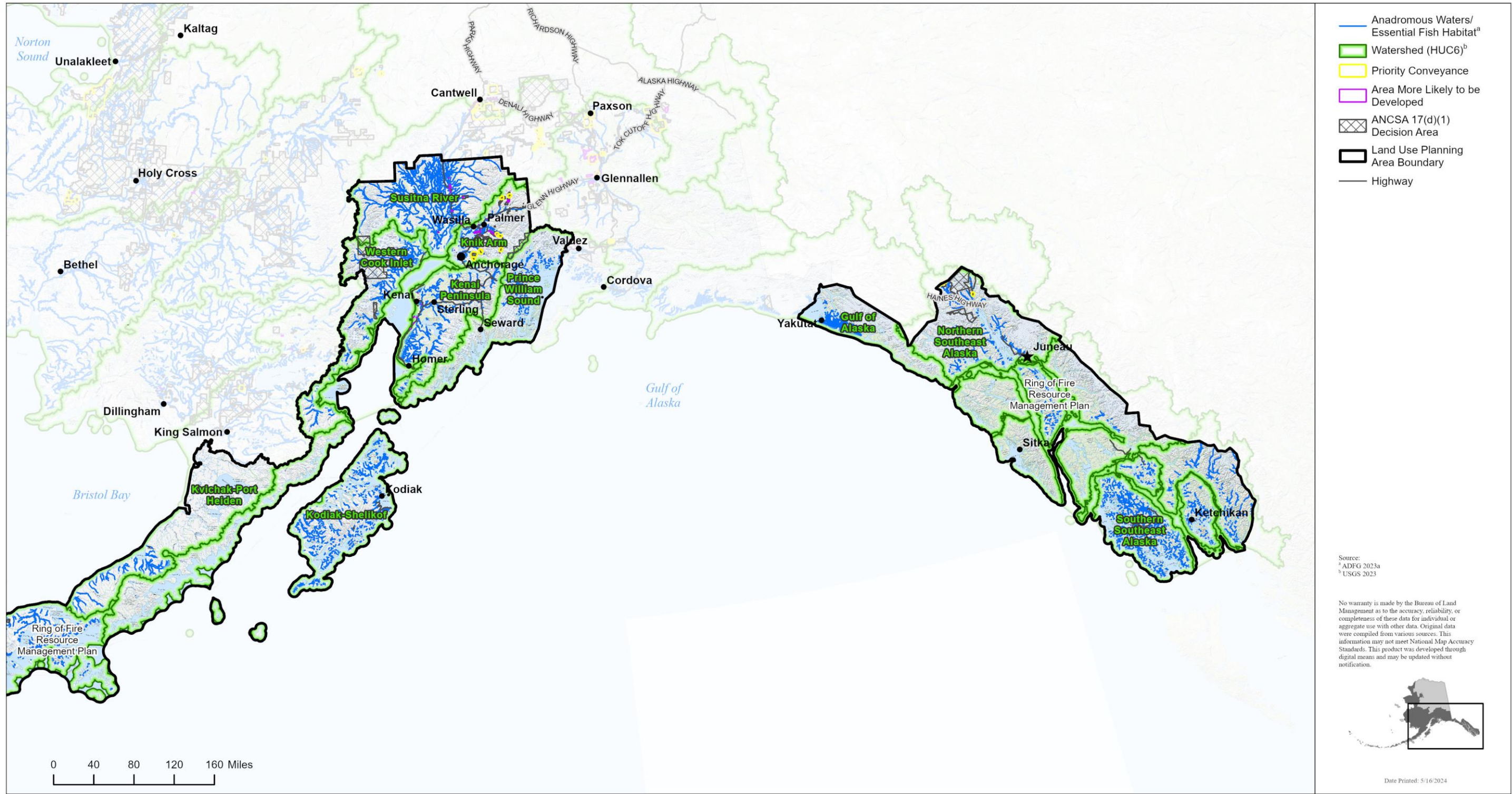


Figure 3.7-5. Fish habitat analysis area, Ring of Fire planning area.

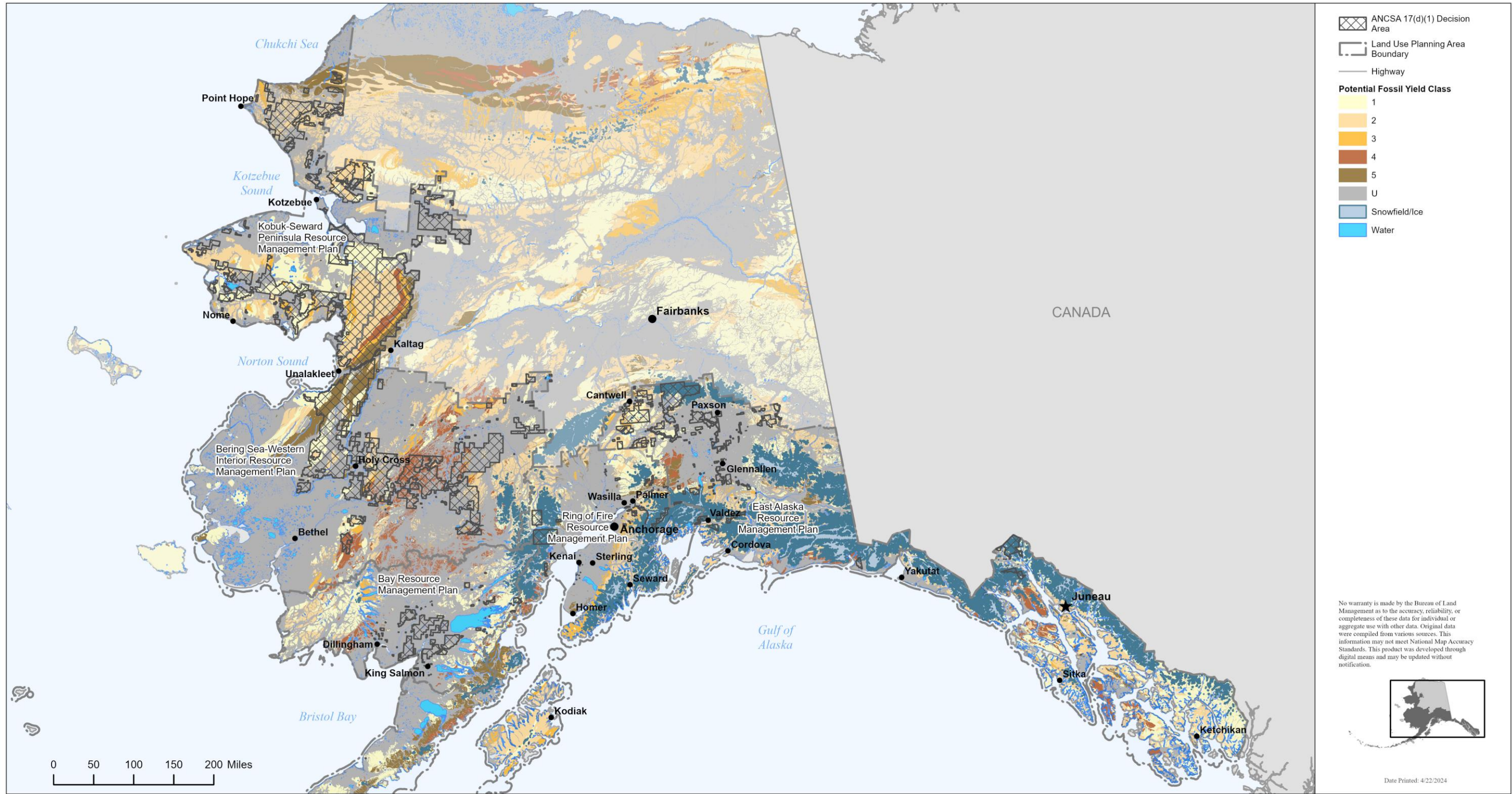


Figure 3.9-1. Potential fossil yield classifications in all planning areas.

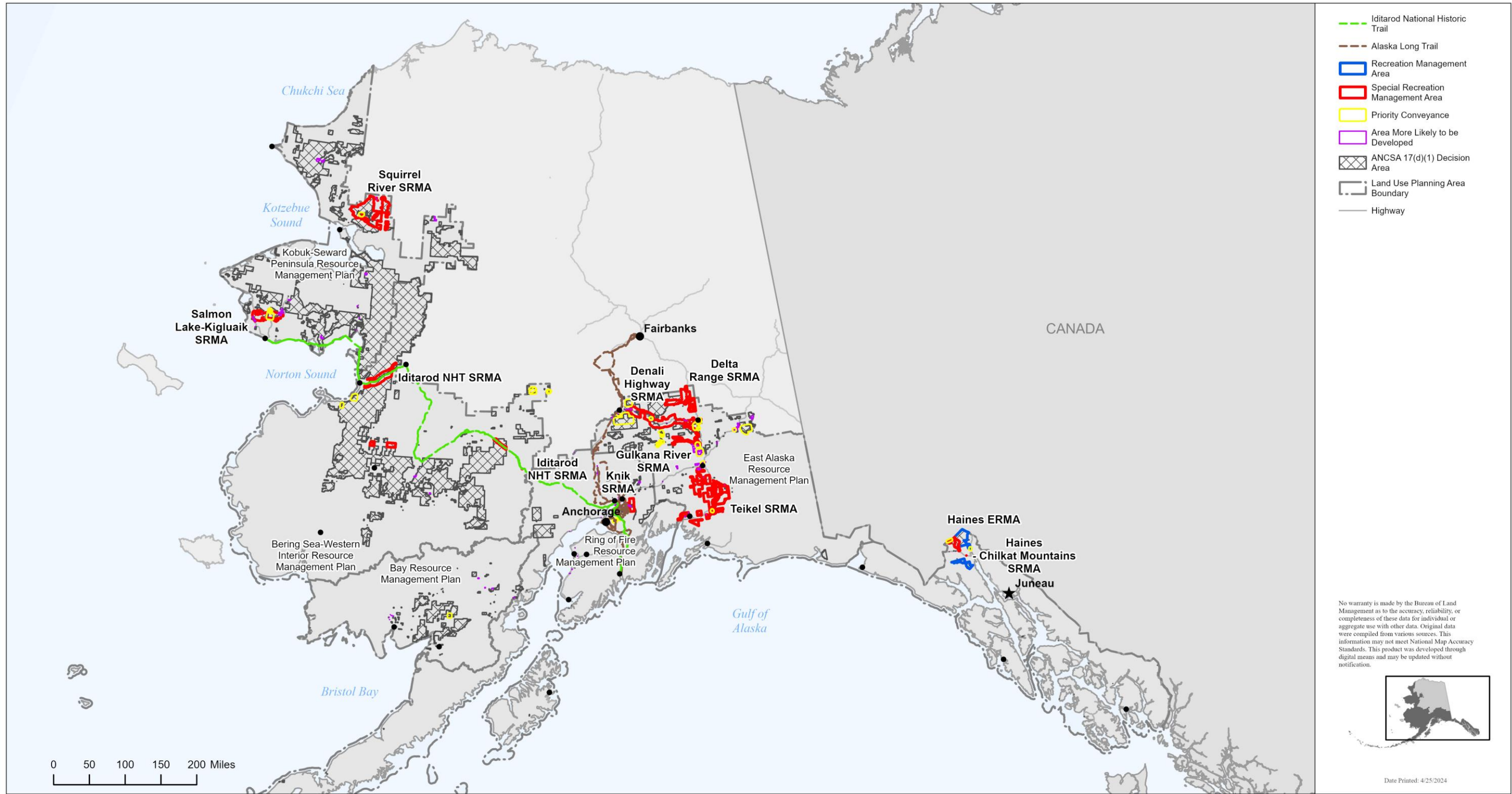


Figure 3.10-1. Recreation management areas and national trails, all planning areas.

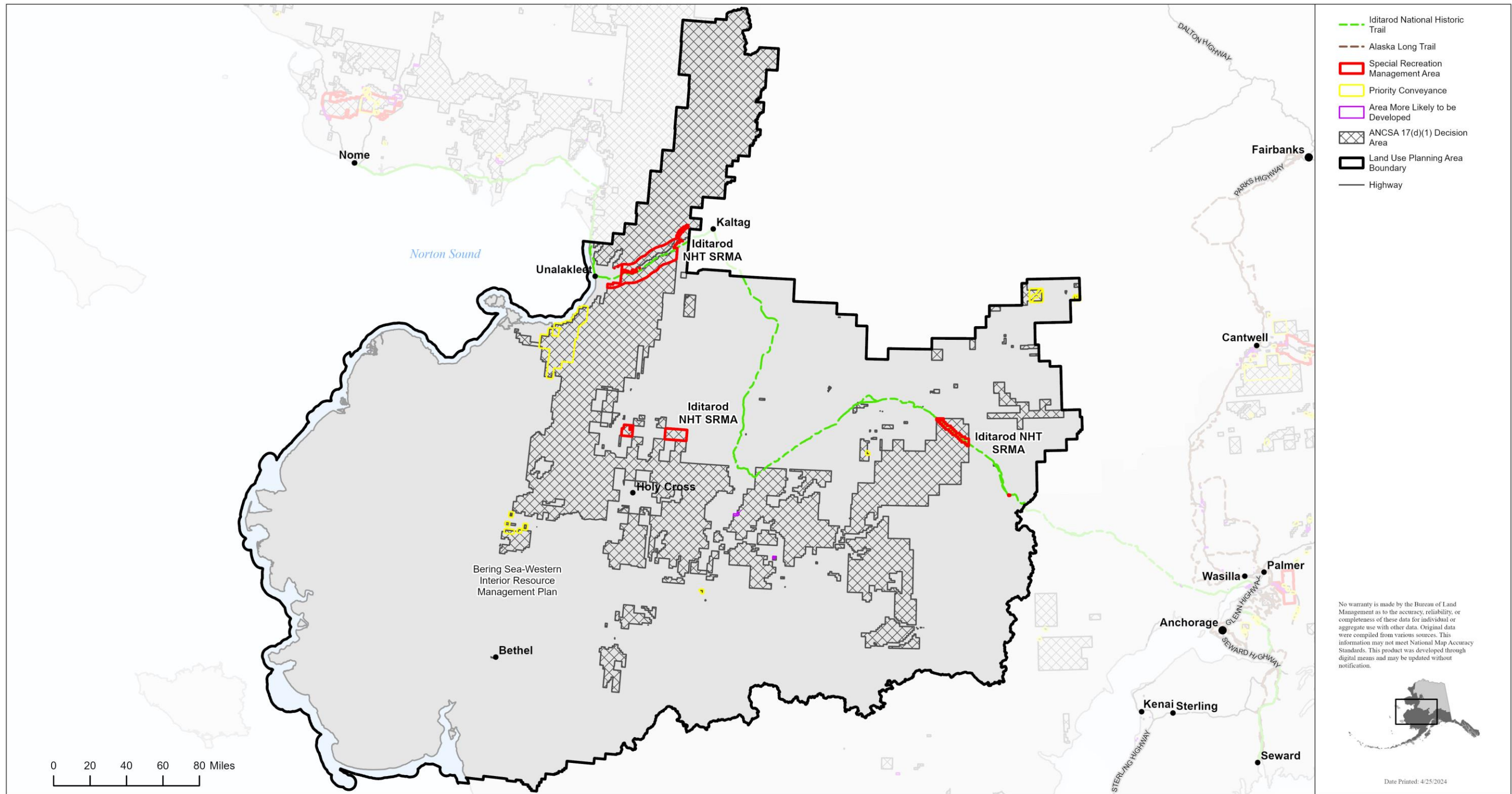


Figure 3.10-2. Recreation management areas and national trails, Bering Sea-Western Interior planning area.

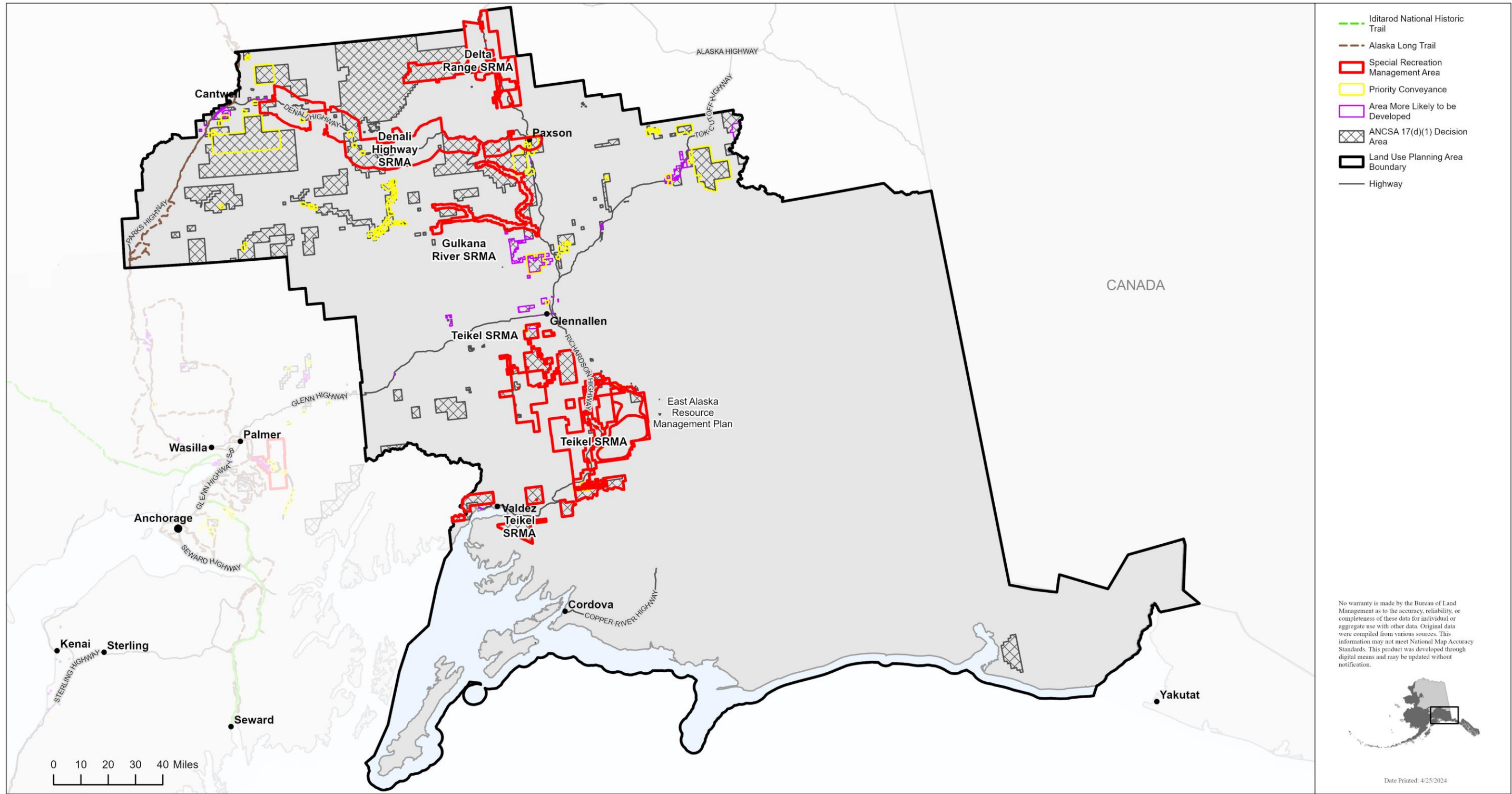


Figure 3.10-3. Recreation management areas and national trails, East Alaska planning area.

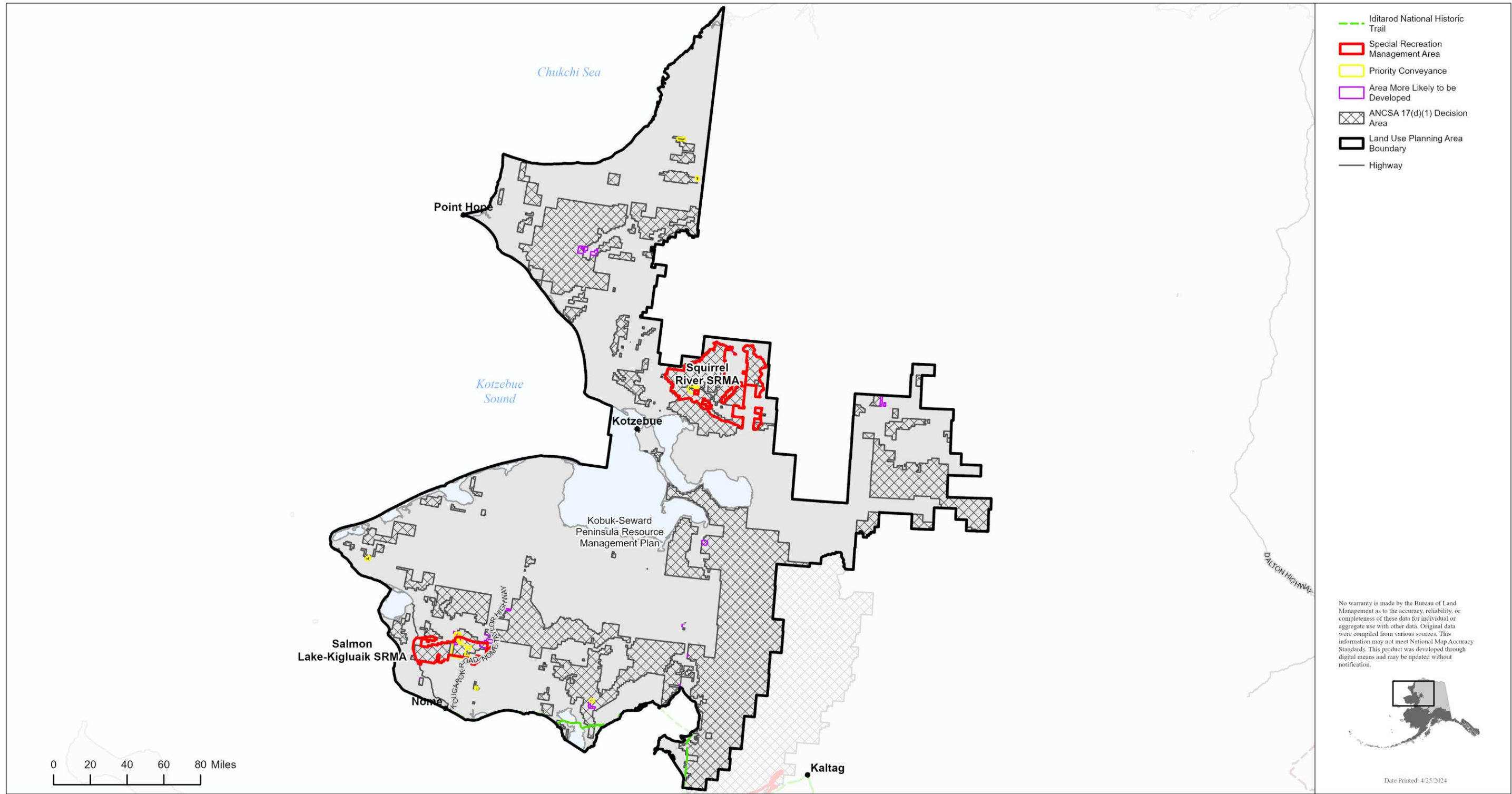


Figure 3.10-4. Recreation management areas and national trails, Kobuk-Seward Peninsula planning area.

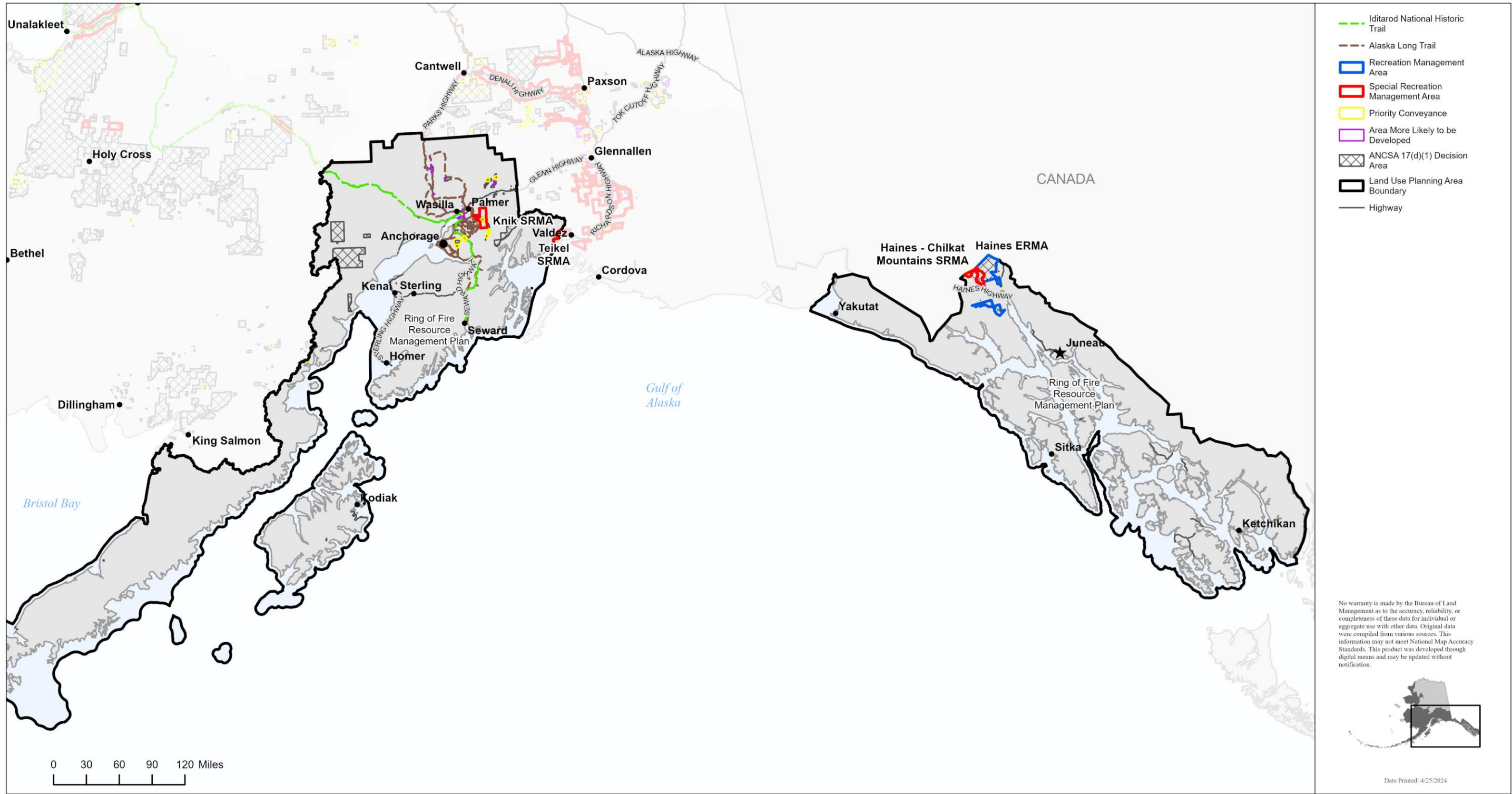


Figure 3.10-5. Recreation management areas and national trails, Ring of Fire planning area.

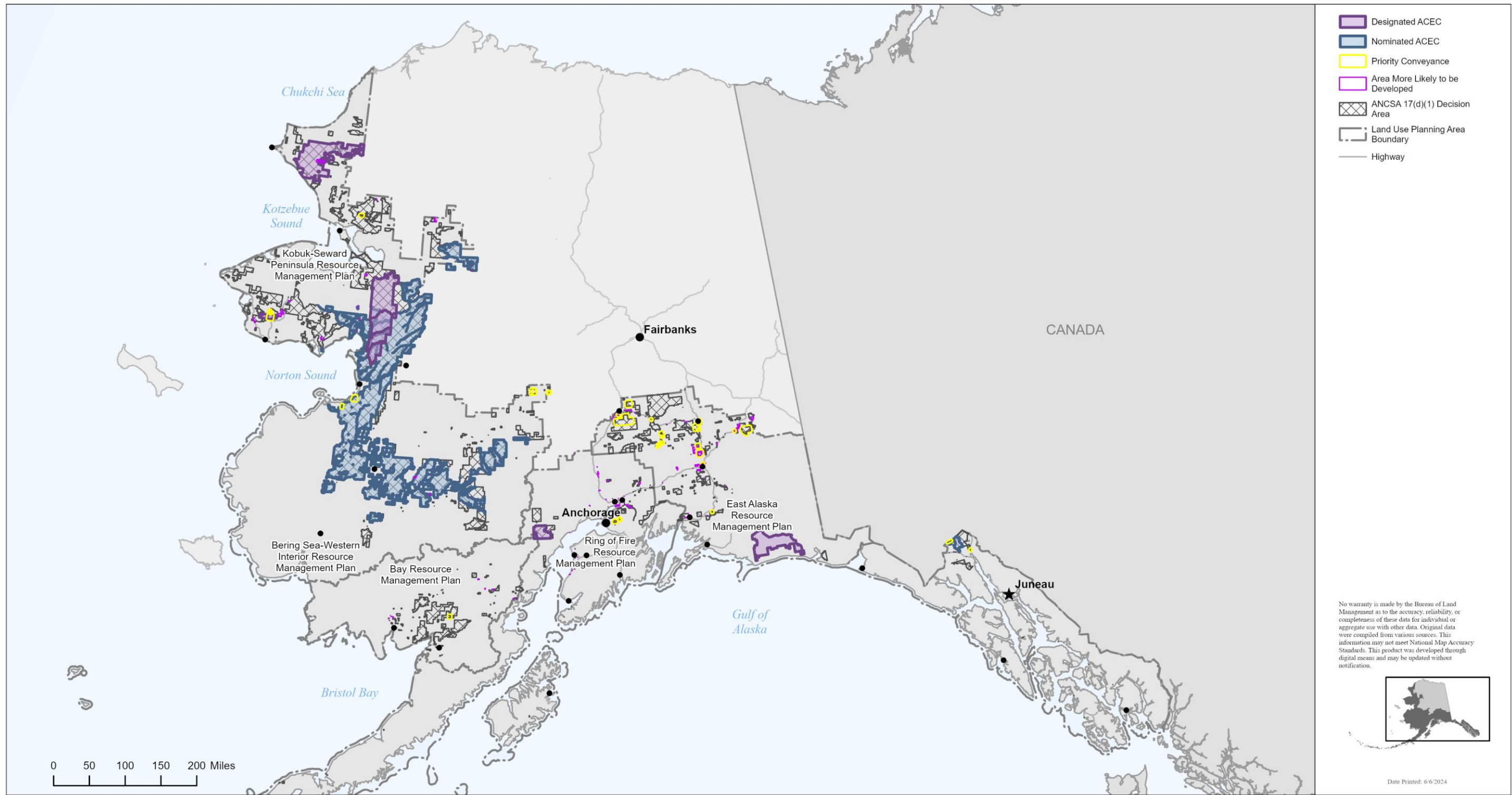


Figure 3.10-6. Areas of critical environmental concern, all planning areas.

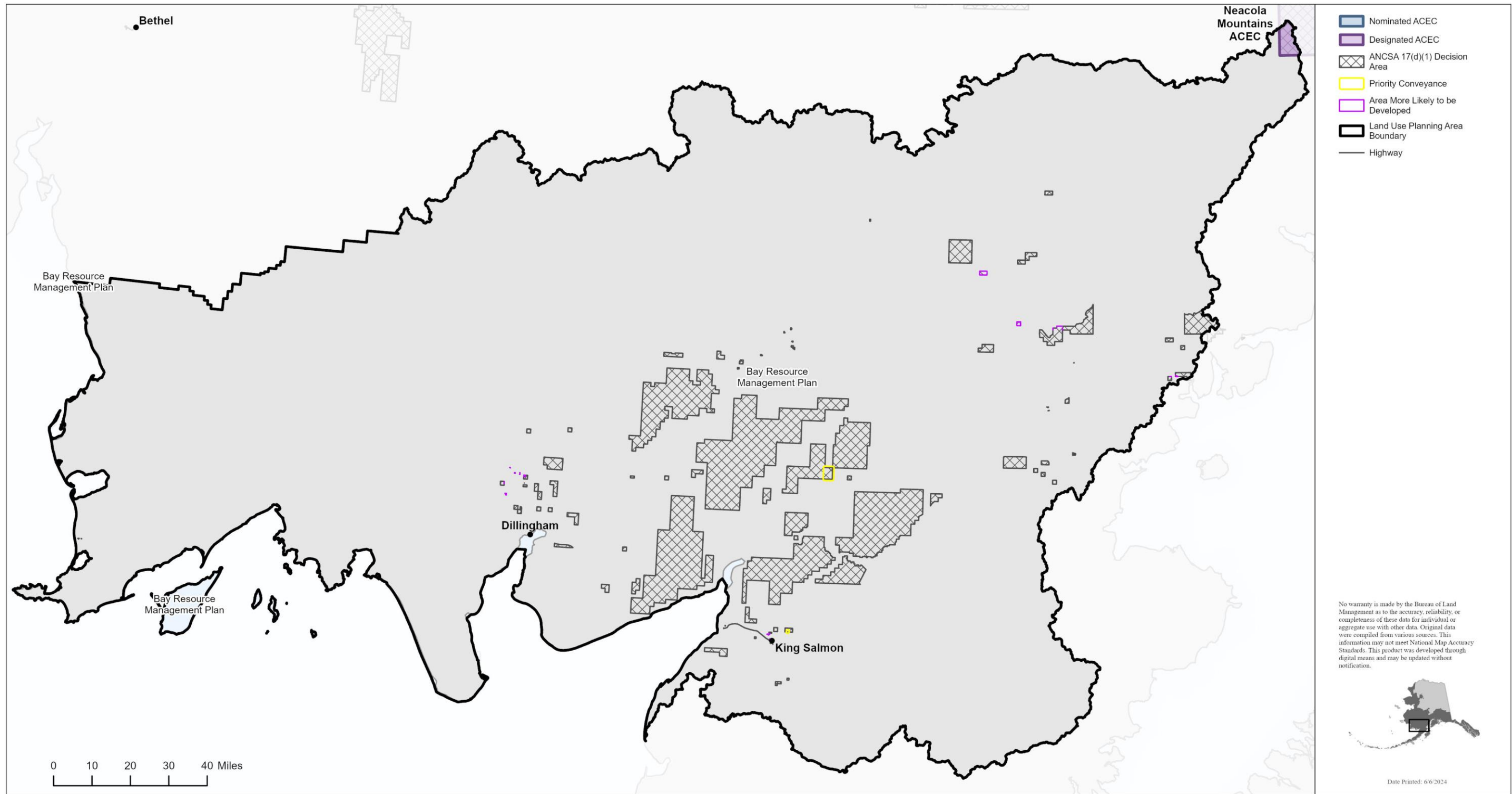


Figure 3.10-7. Areas of critical environmental concern, Bay planning area.

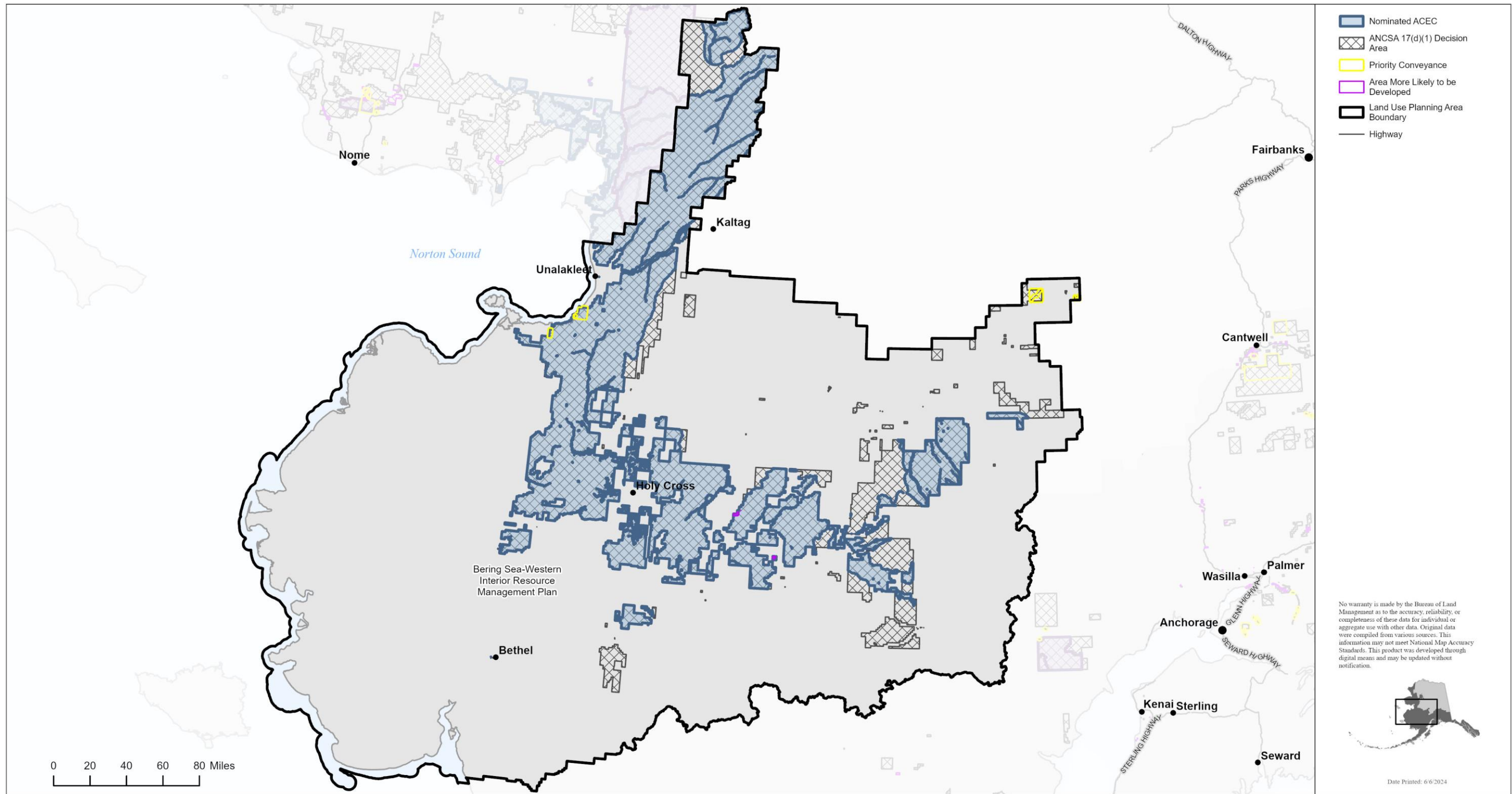


Figure 3.10-8. Areas of critical environmental concern, Bering Sea-Western Interior planning area.

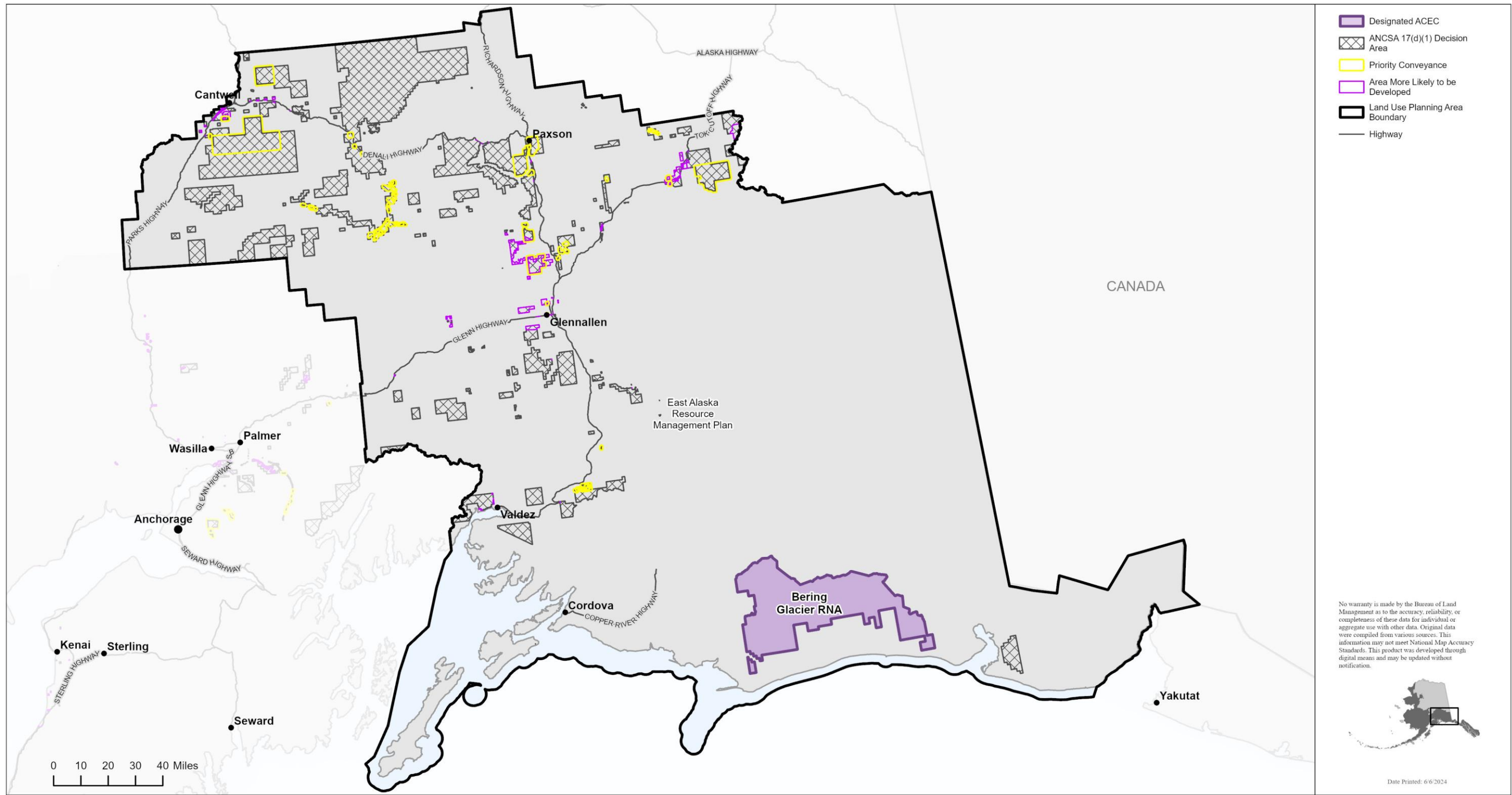


Figure 3.10-9. Areas of critical environmental concern, East Alaska planning area.

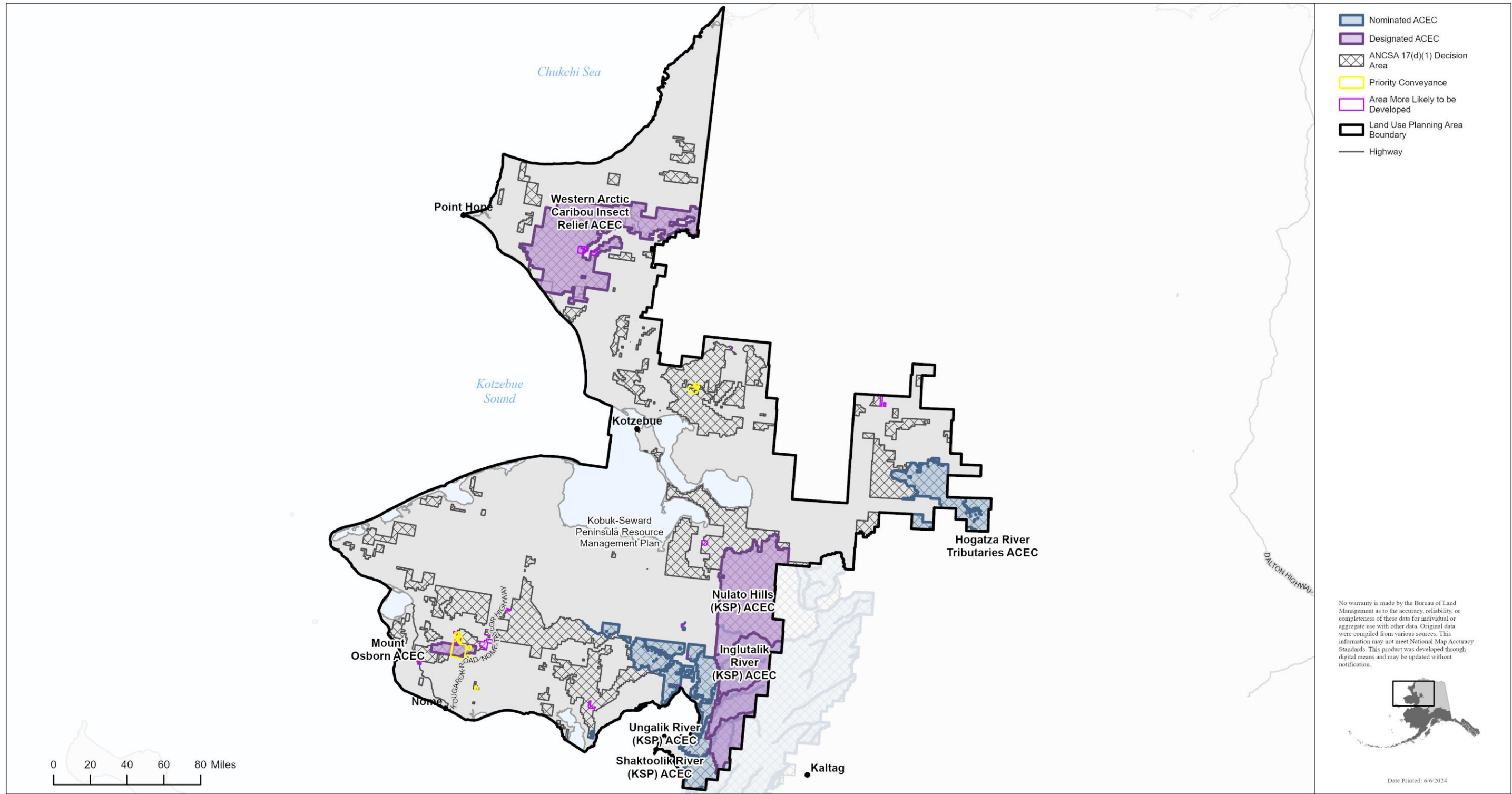


Figure 3.10-10. Areas of critical environmental concern, Kobuk-Seward Peninsula planning area.

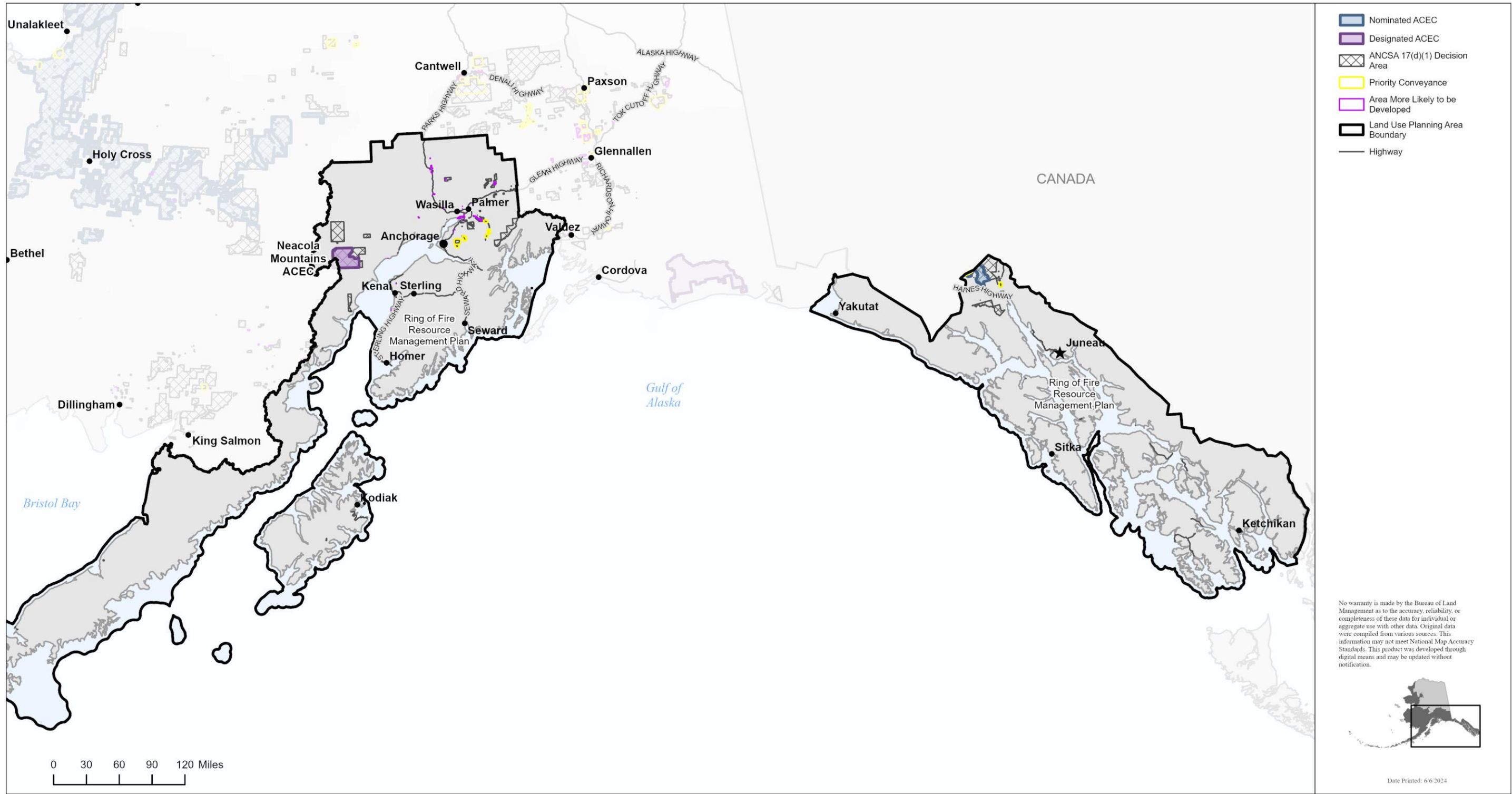


Figure 3.10-11. Areas of critical environmental concern, Ring of Fire planning area.

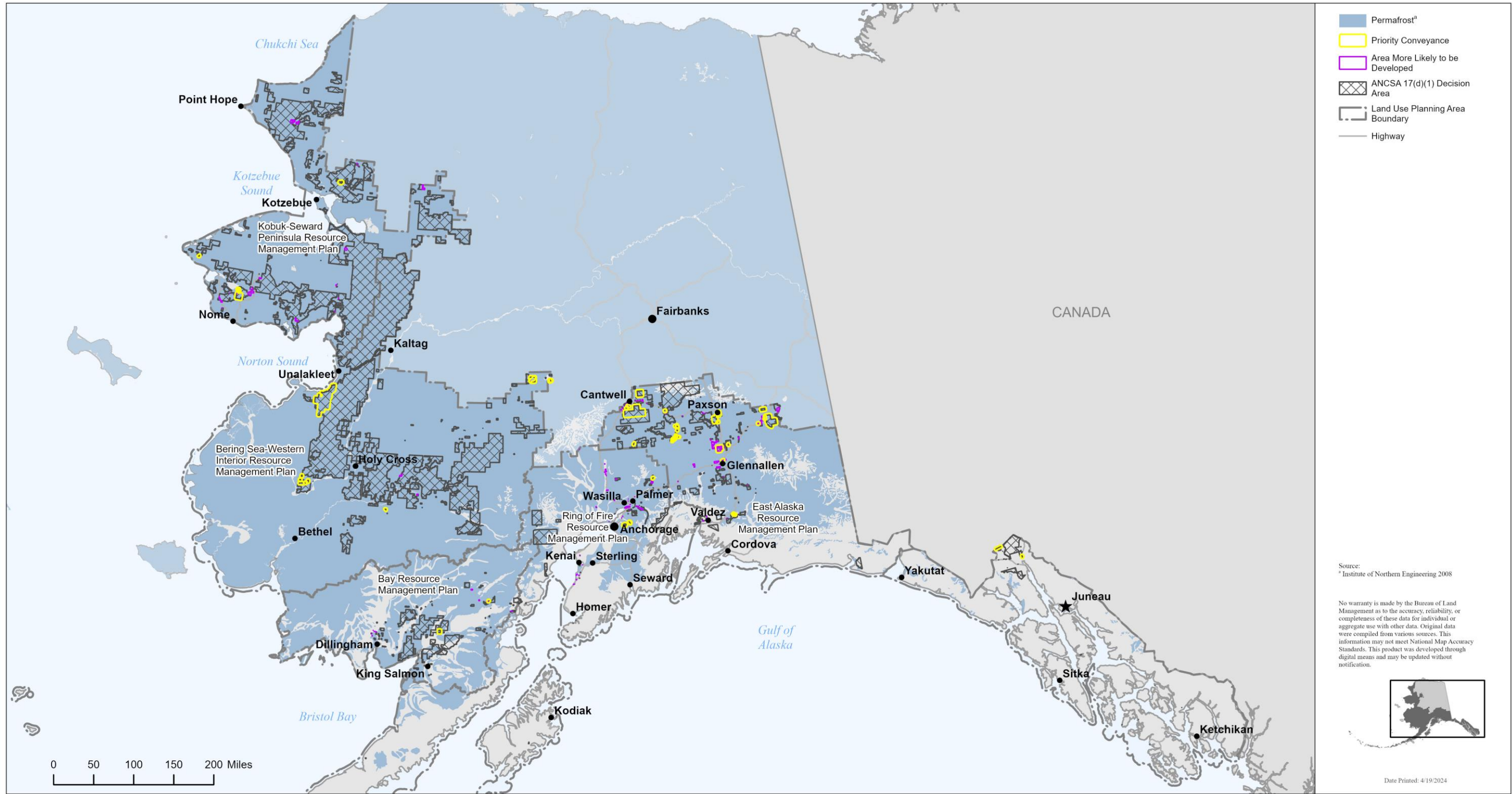


Figure 3.13-1. Permafrost in all planning areas with ANCSA 17(d)(1) withdrawals.

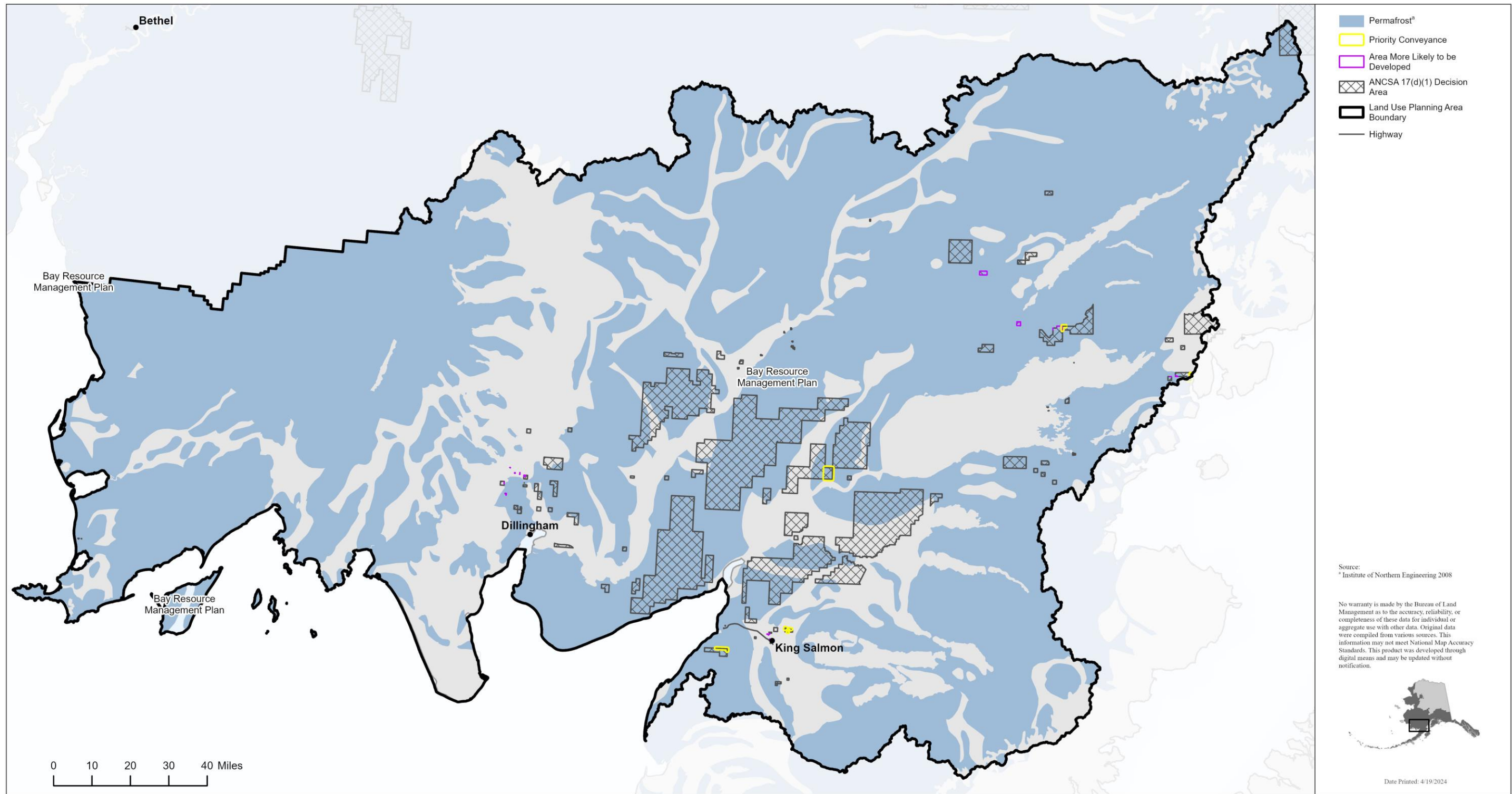


Figure 3.13-2. Permafrost in the Bay planning area with ANCSA 17(d)(1) withdrawals.

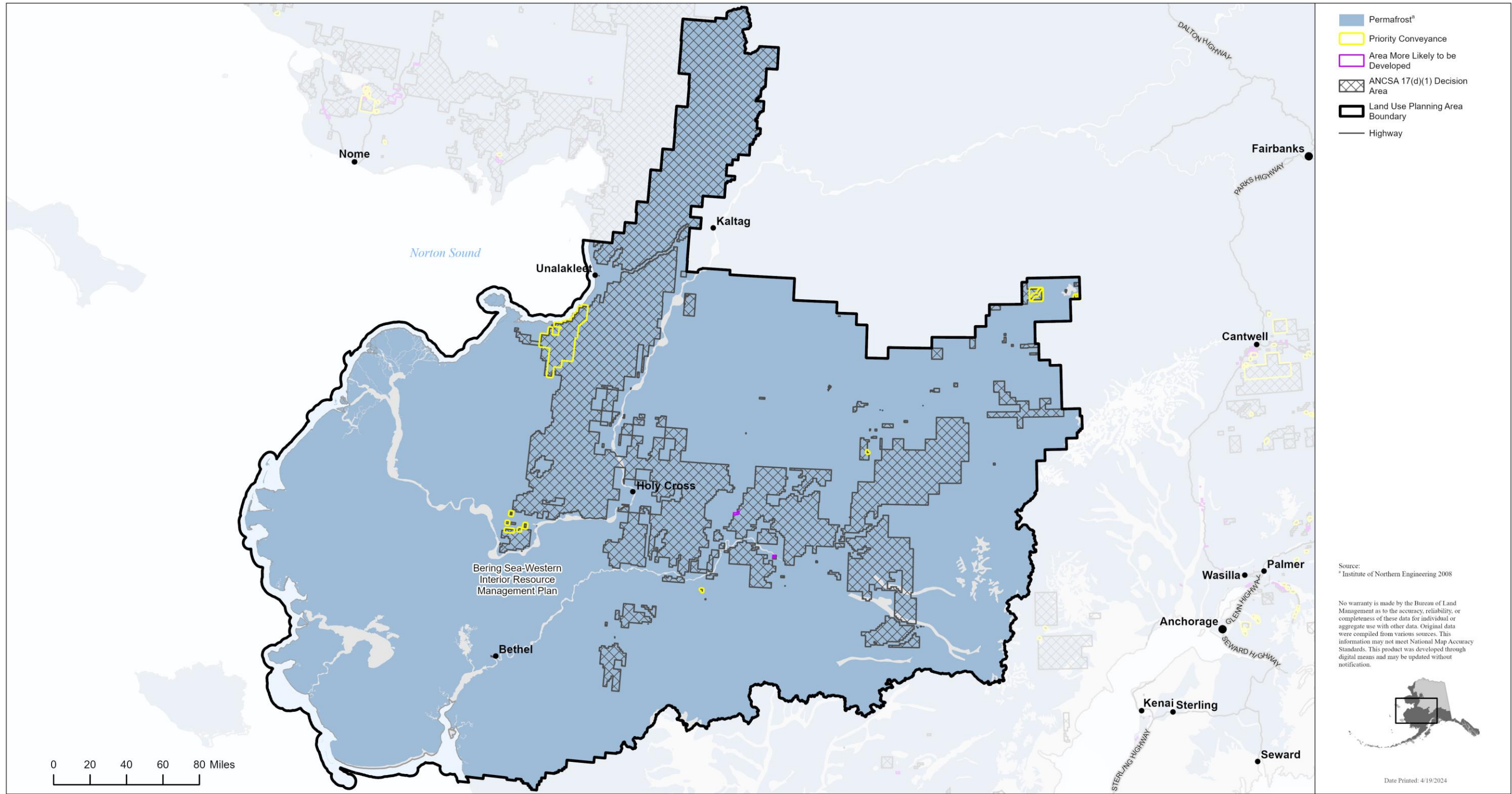


Figure 3.13-3. Permafrost in the Bering Sea-Western Interior planning area with ANCSA 17(d)(1) withdrawals.

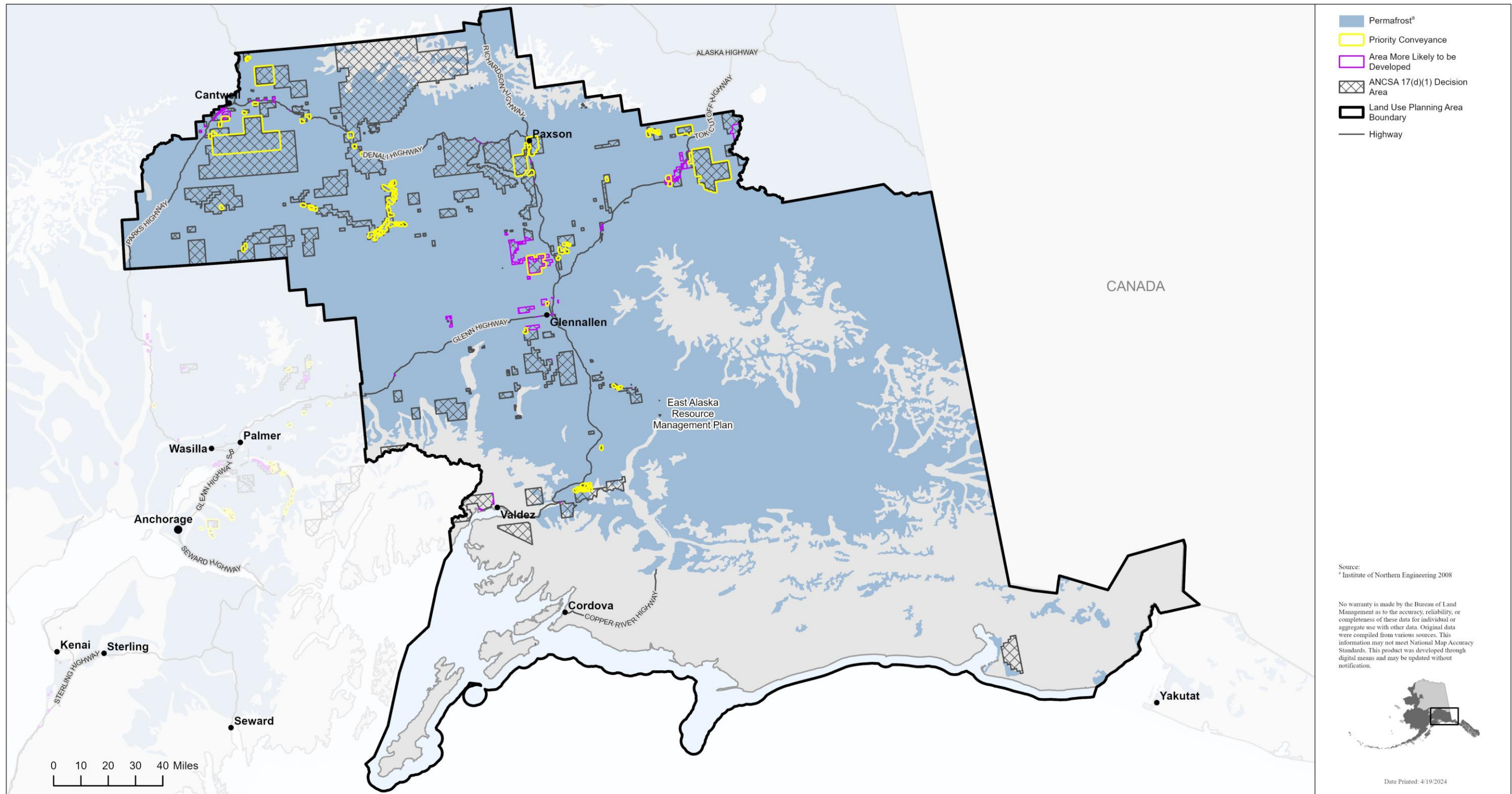


Figure 3.13-4. Permafrost in the East Alaska planning area with ANCSA 17(d)(1) withdrawals.

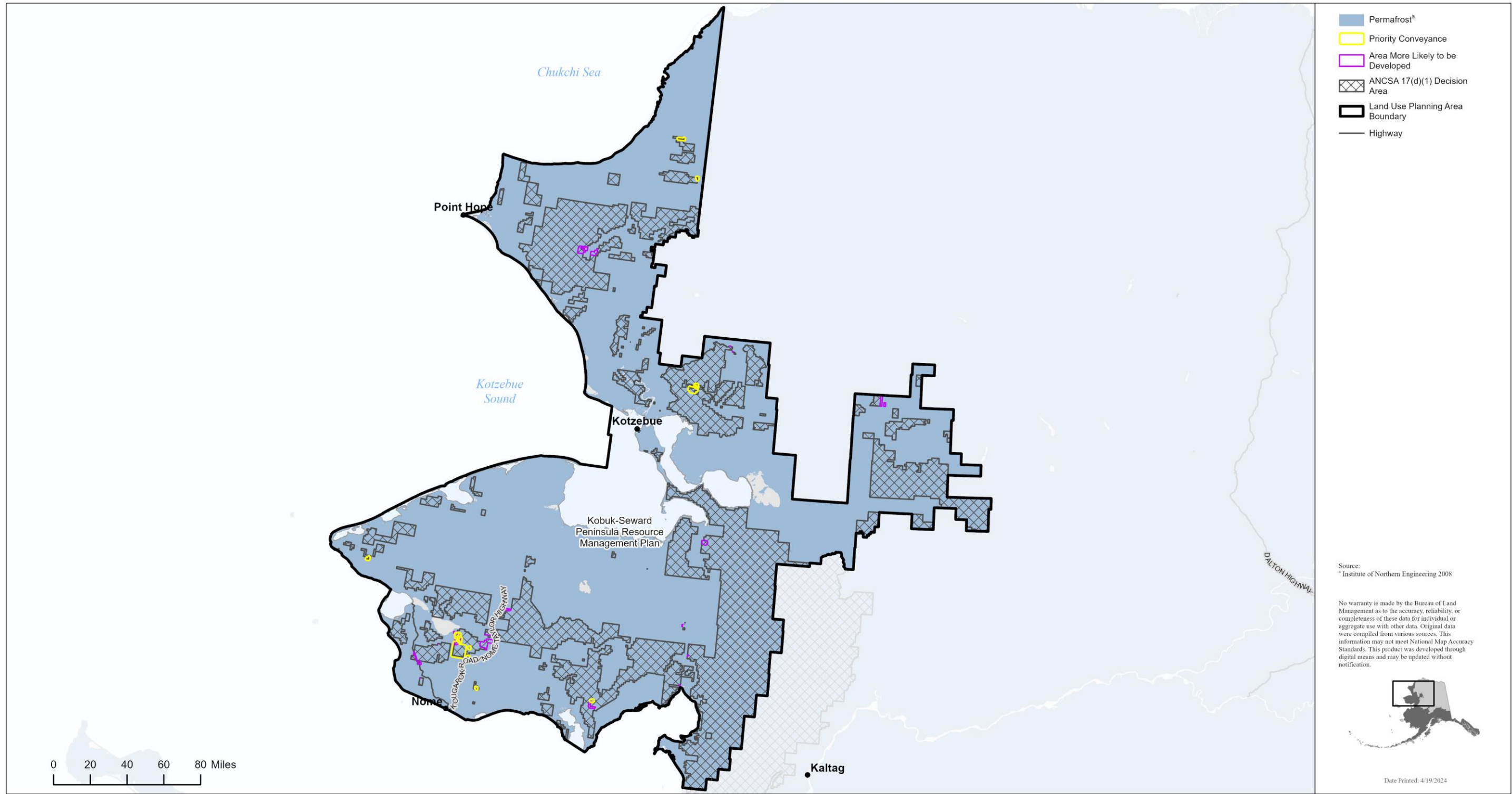


Figure 3.13-5. Permafrost in the Kobuk-Seward Peninsula planning area with ANCSA 17(d)(1) withdrawals.

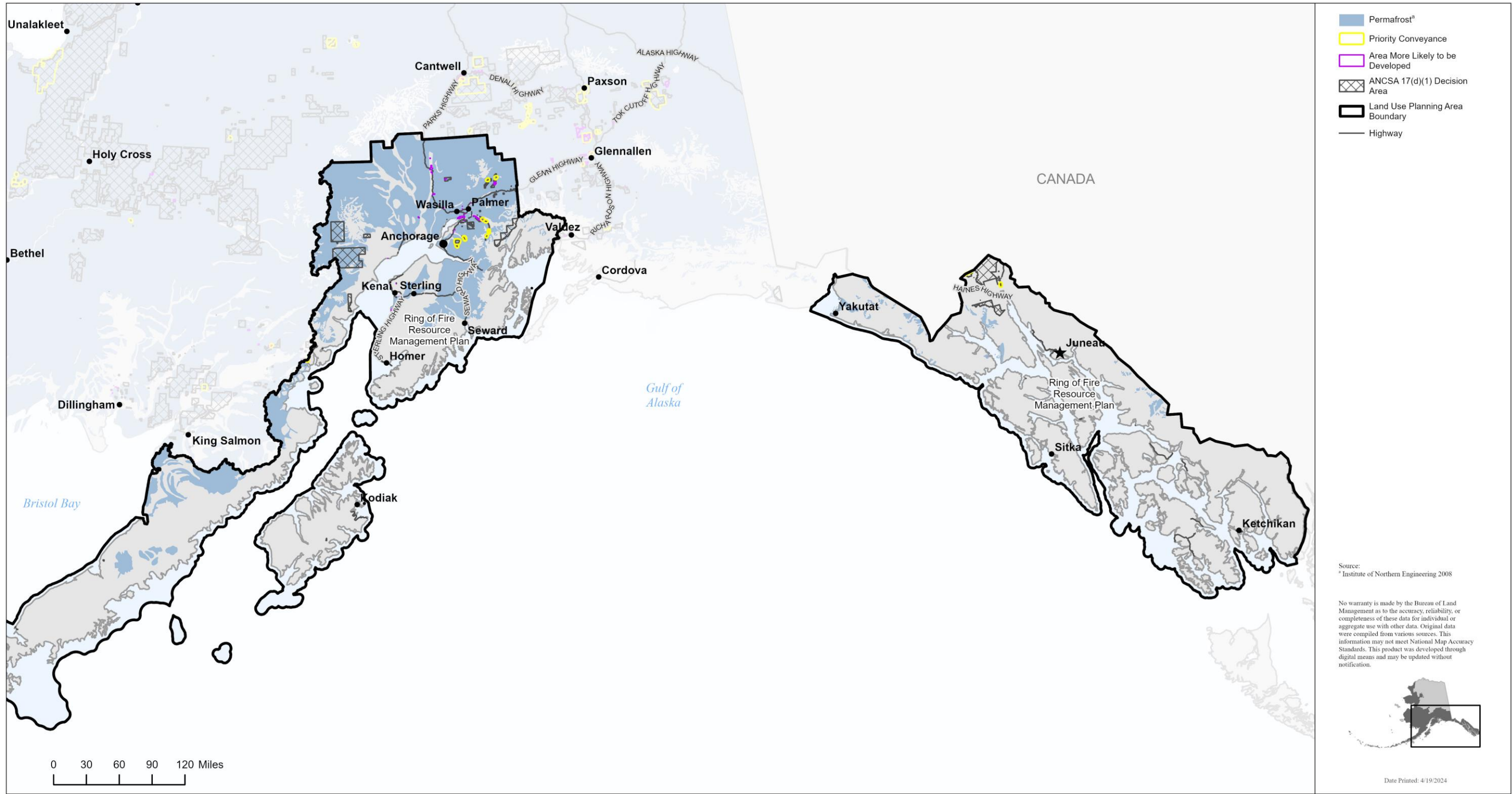


Figure 3.13-6. Permafrost in the Ring of Fire planning area with ANCSA 17(d)(1) withdrawals.

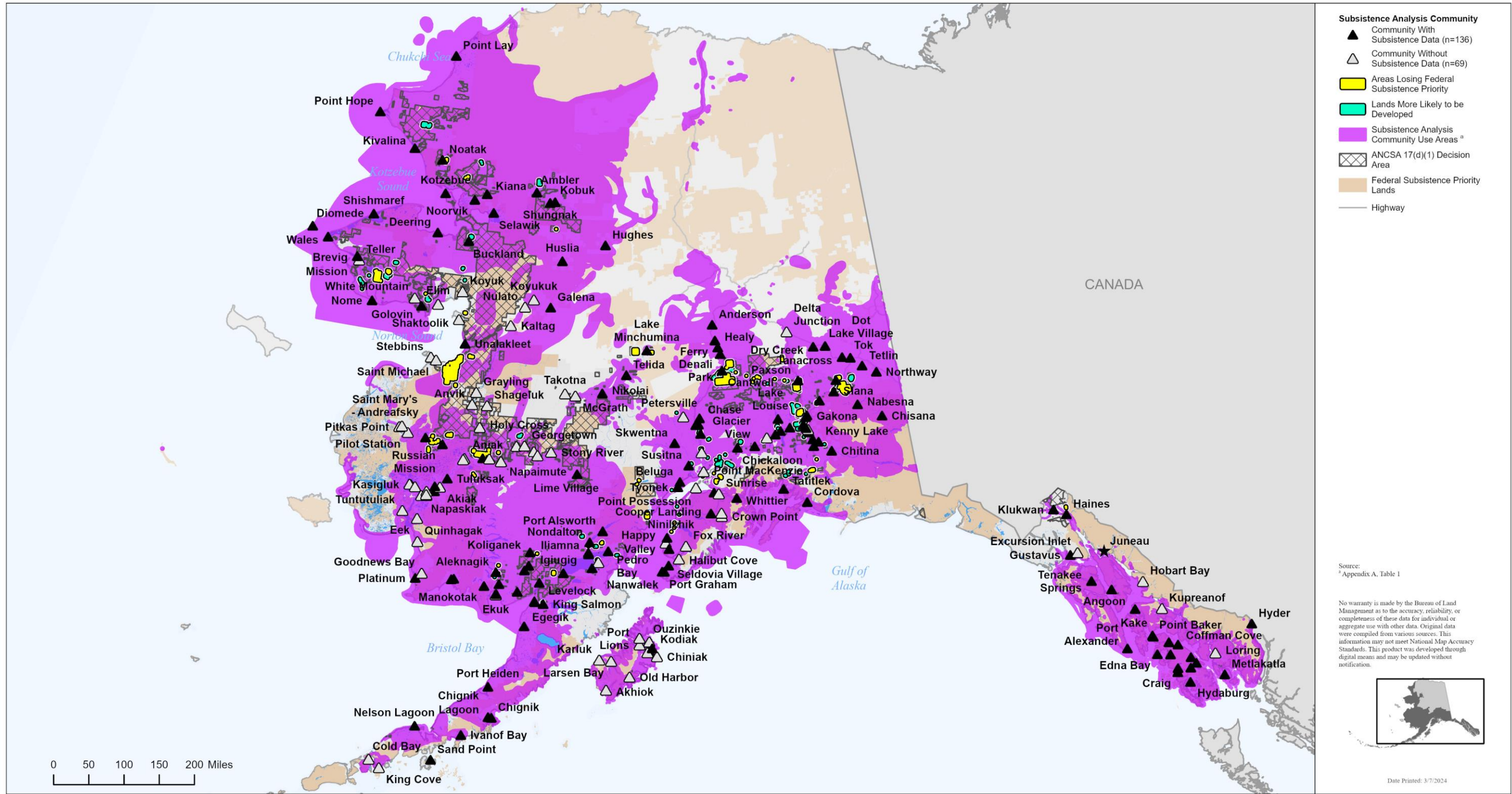


Figure 3.14-1. Subsistence use areas, ANCSA 17(d)(1) withdrawal area subsistence analysis communities.

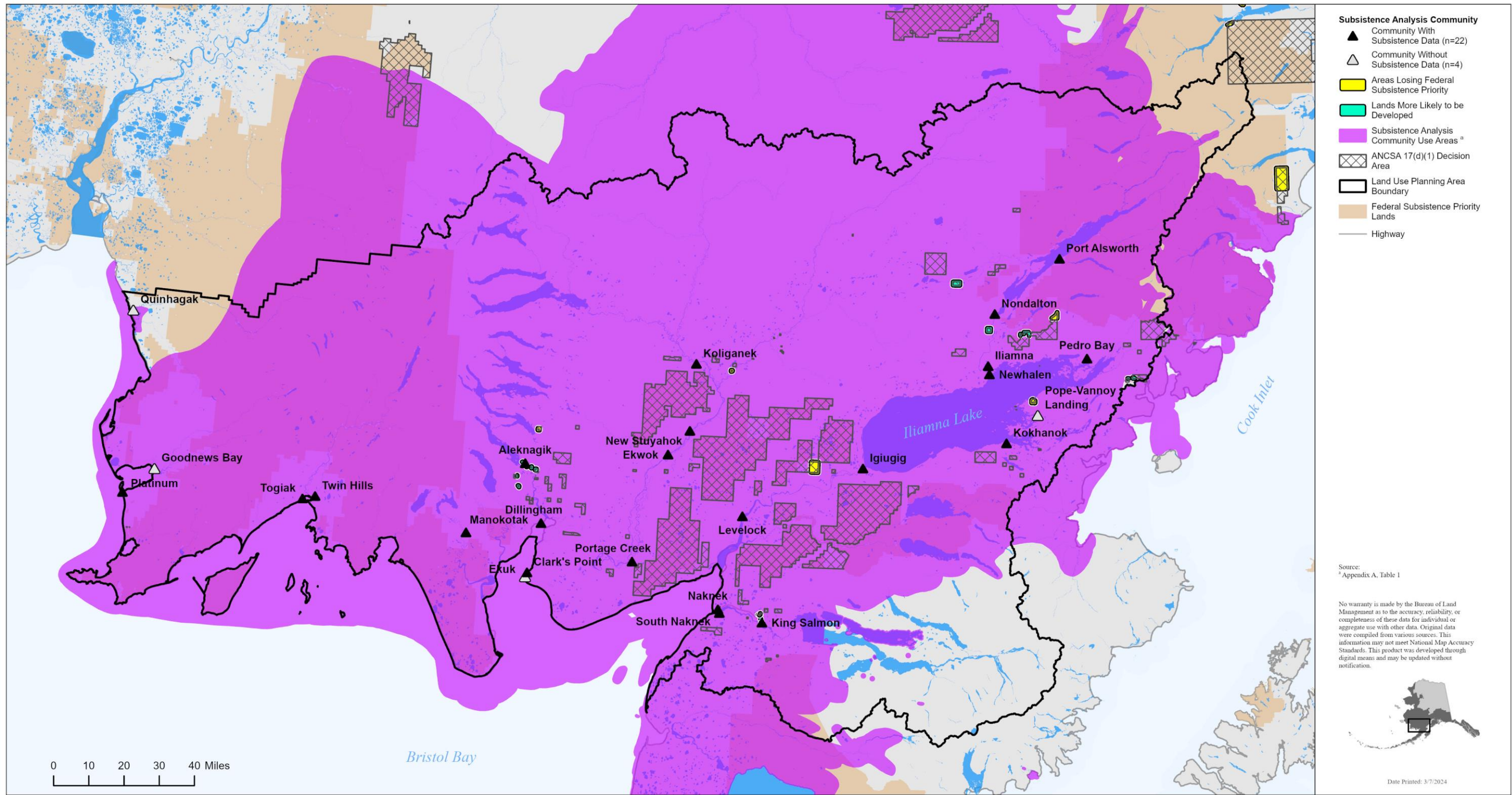


Figure 3.14-2. Subsistence use areas, Bay planning area analysis communities.

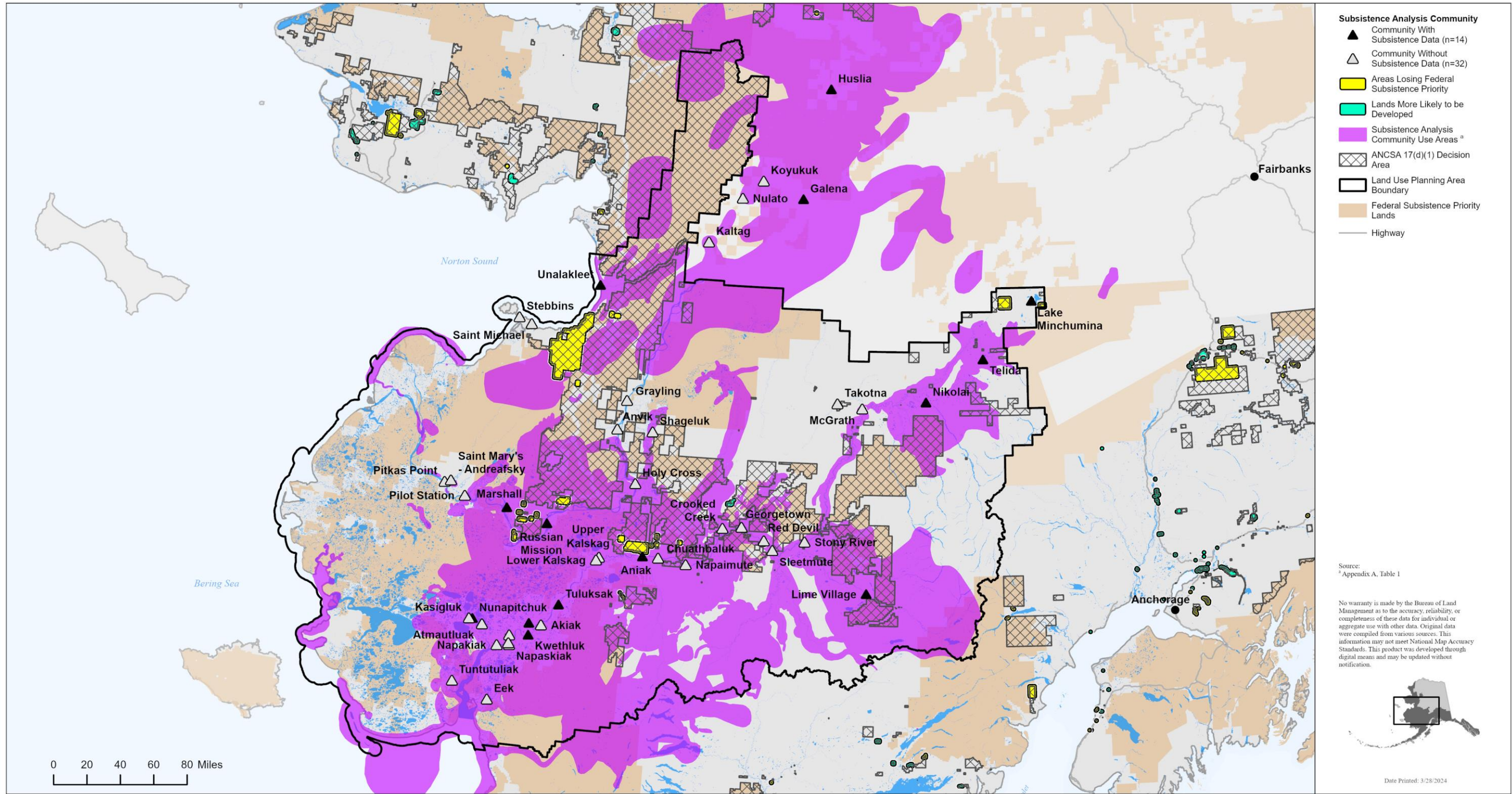


Figure 3.14-3. Subsistence use areas, Bering Sea-Western Interior planning area analysis communities.

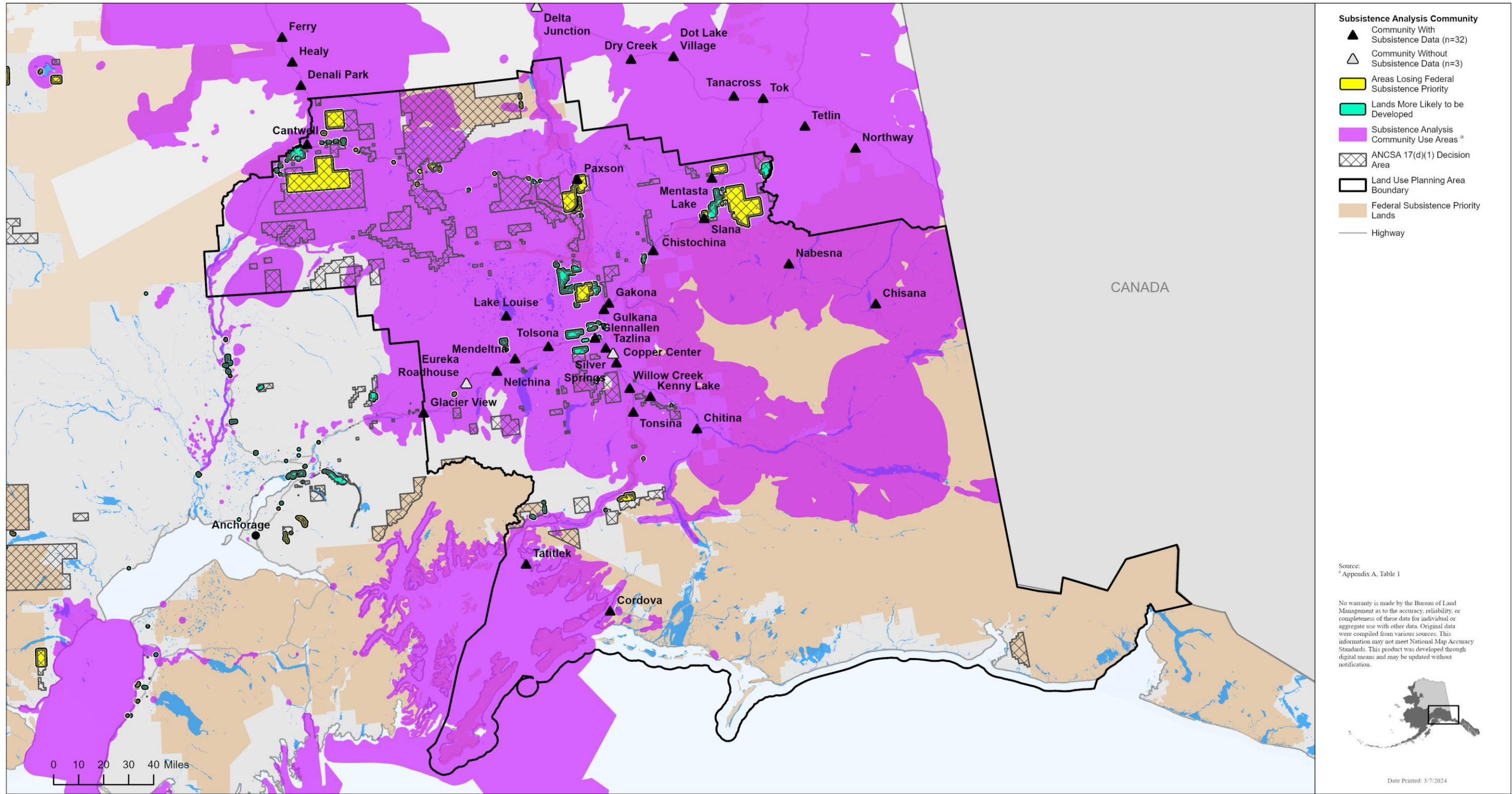


Figure 3.14-4. Subsistence use areas, East Alaska planning area analysis communities.

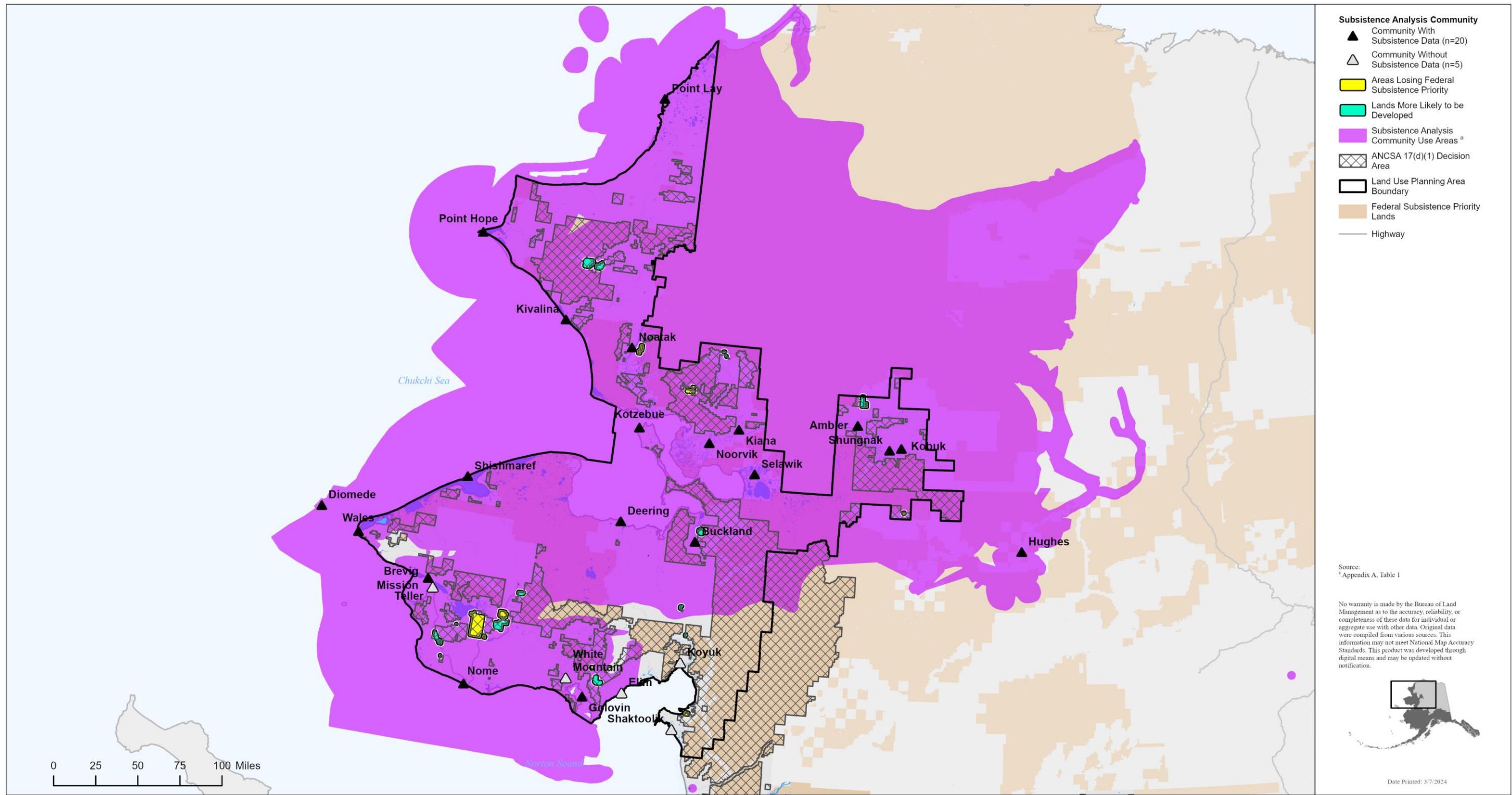


Figure 3.14-5. Subsistence use areas, Kobuk-Seward Peninsula planning area analysis communities.

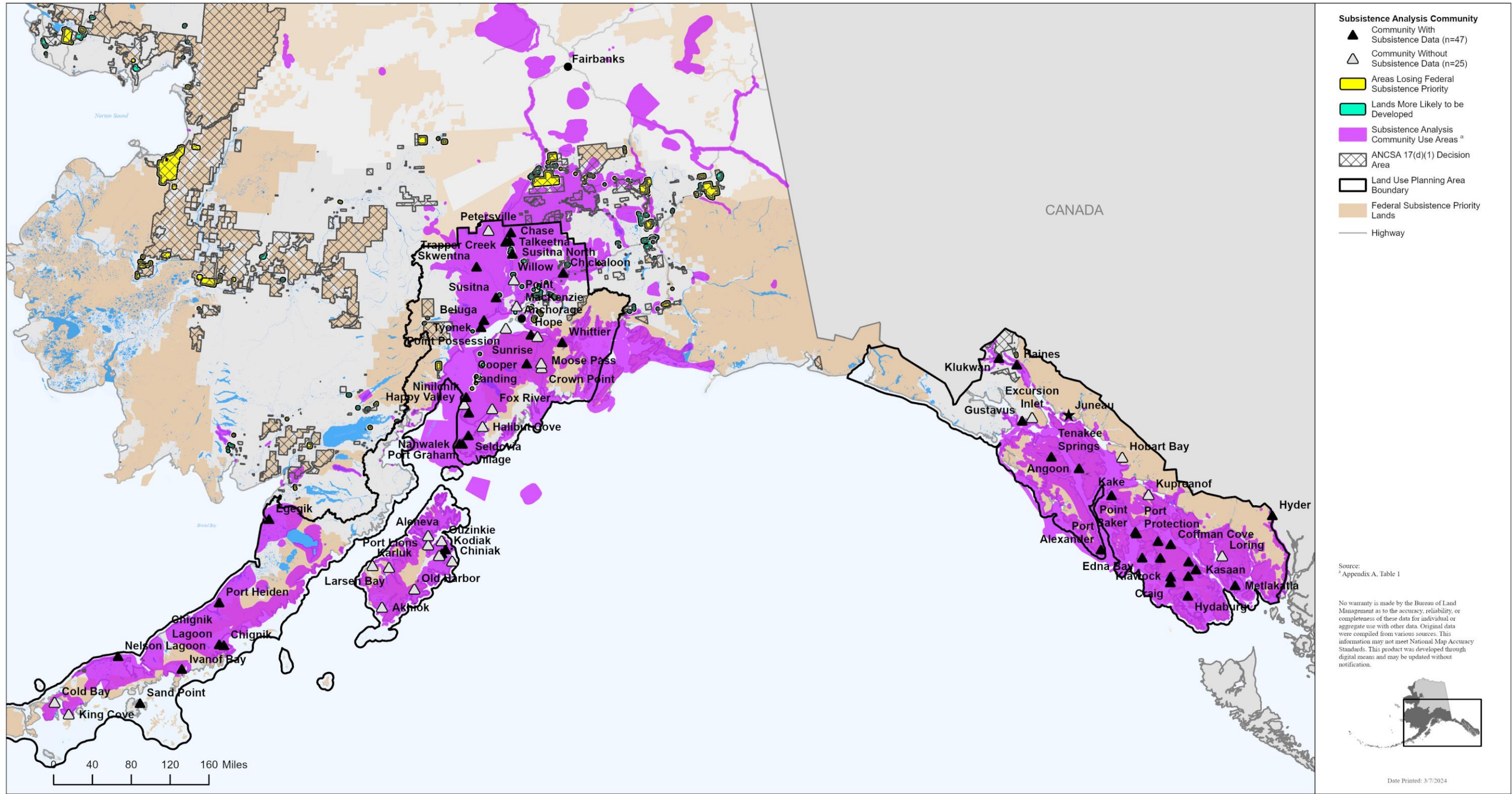


Figure 3.14-6. Subsistence use areas, Ring of Fire planning area analysis communities.

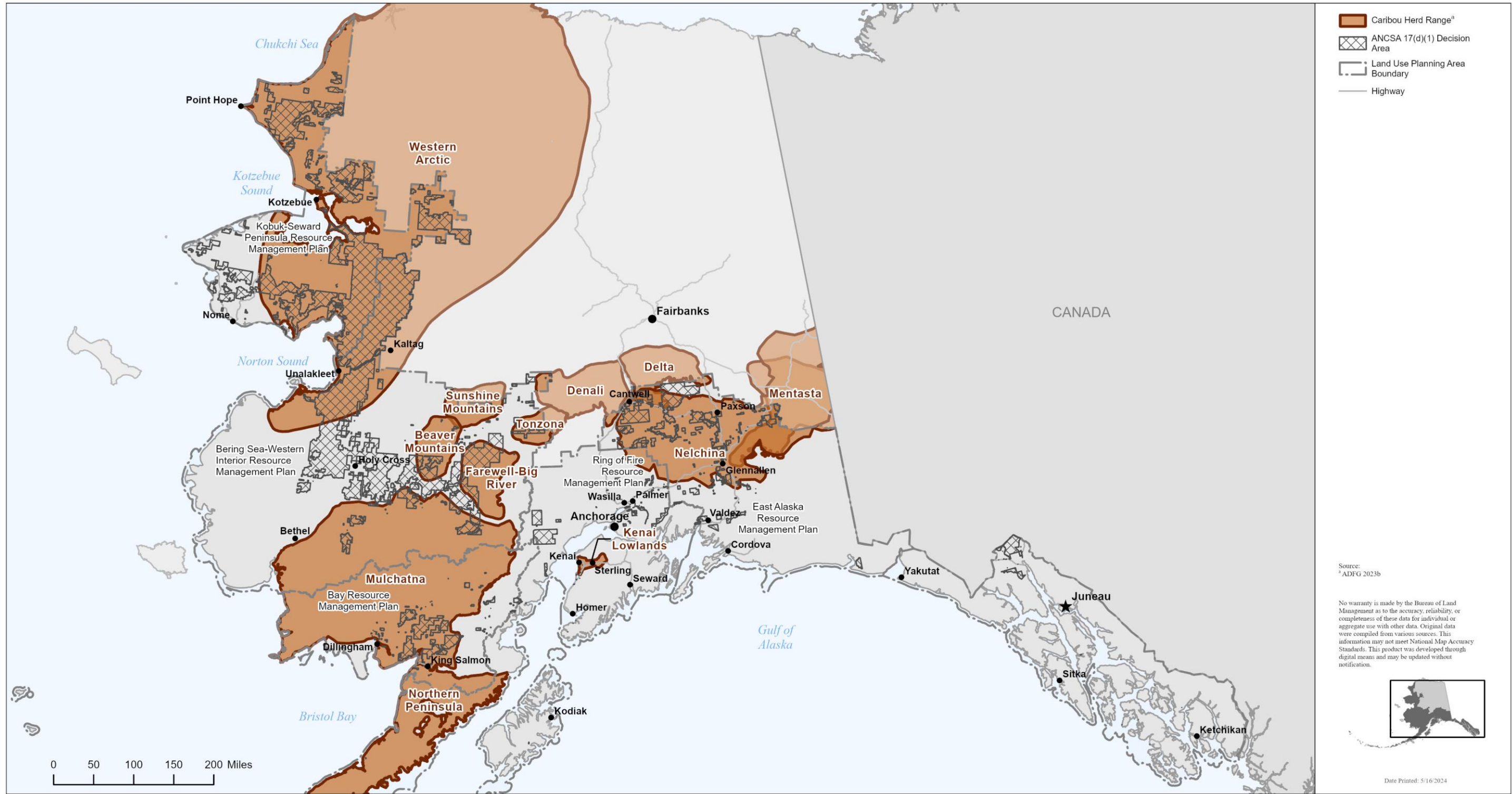


Figure 3.15-1. Caribou herds that overlap with ANCSA 17(d)(1) withdrawals.

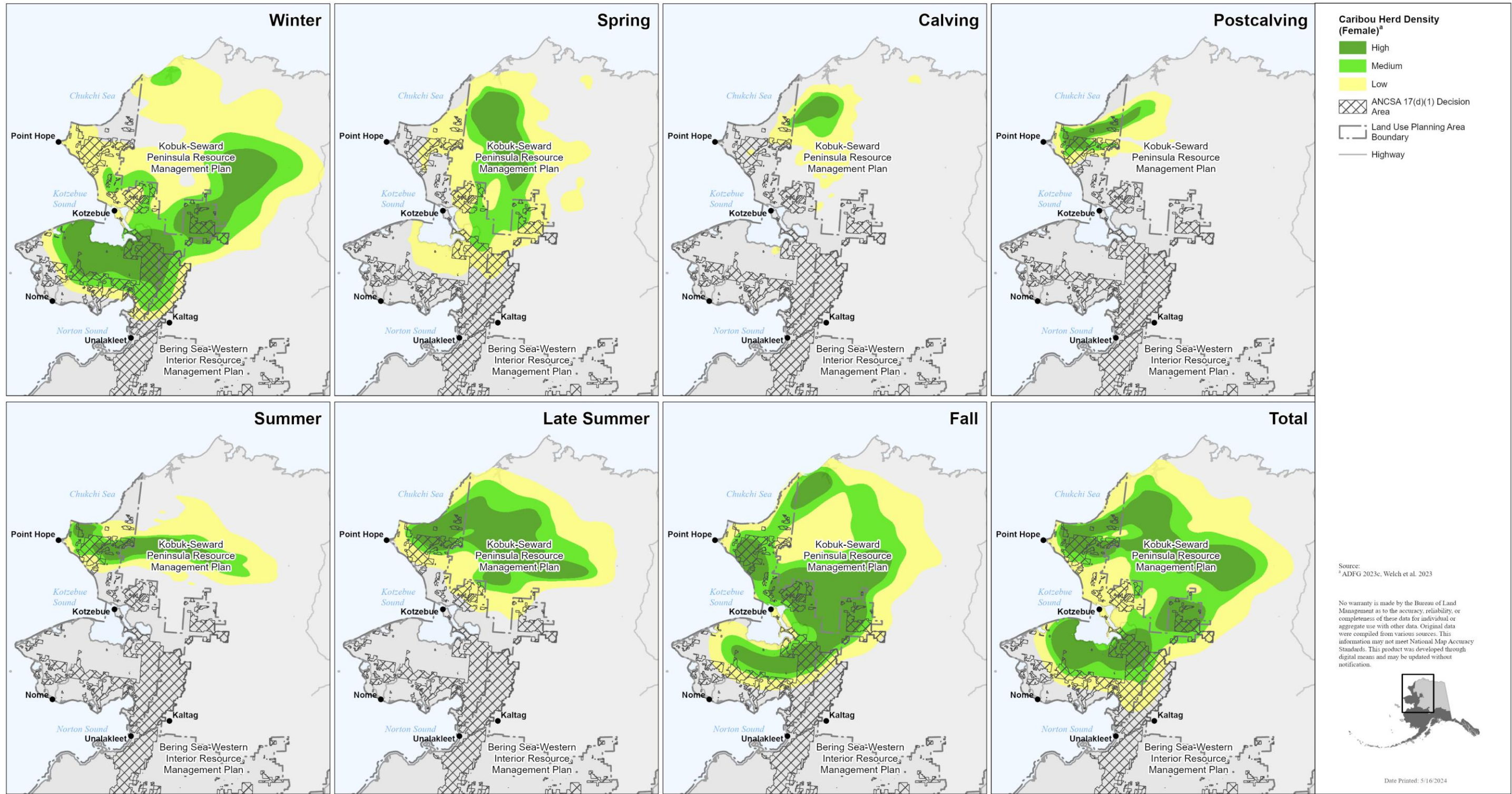


Figure 3.15-2. Kernel density estimation of collar locations for female caribou in the Western Arctic caribou herd (2012–2021) using the methods of Welch et al. 2023.

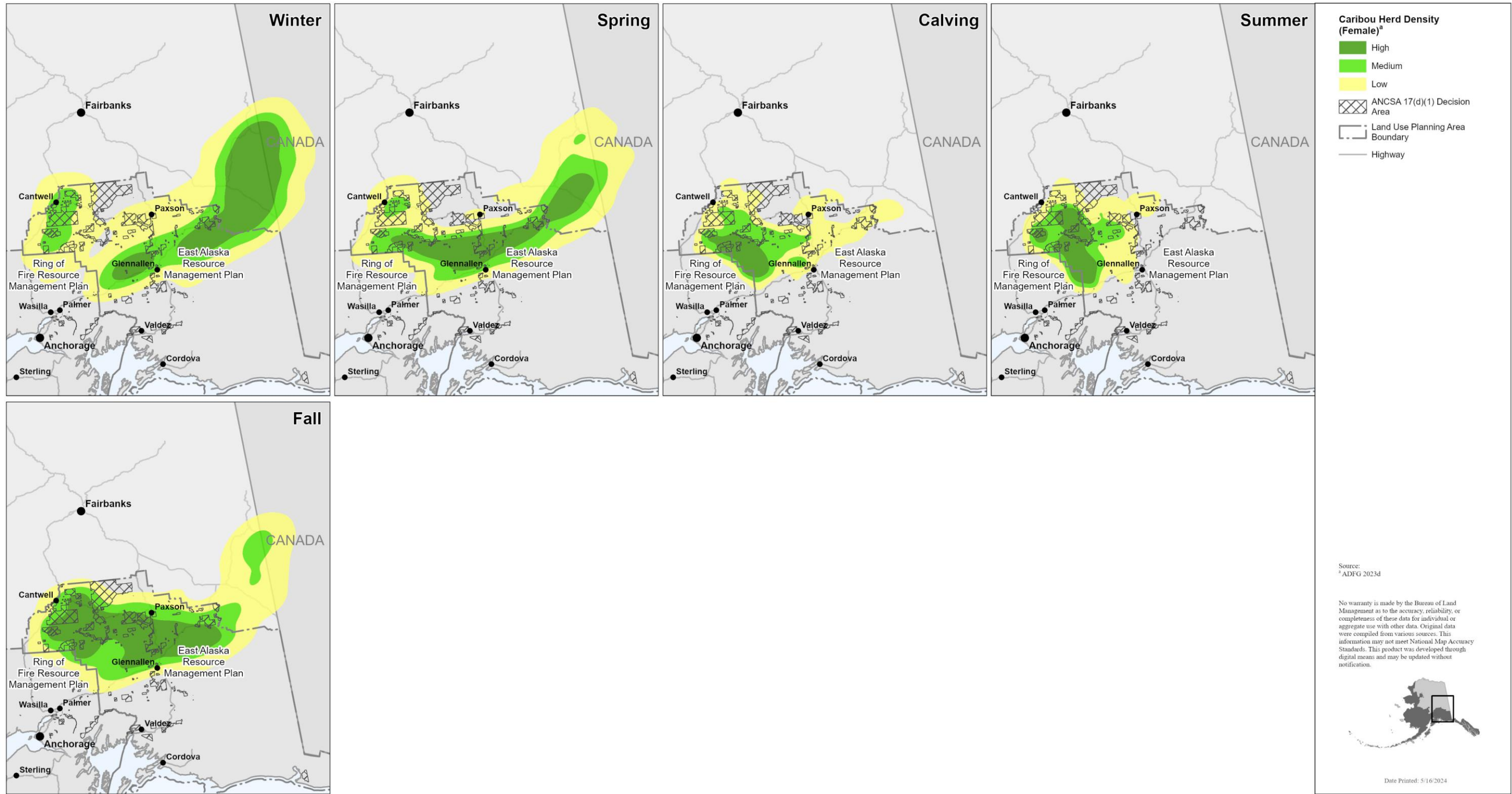


Figure 3.15-3. Kernel density estimation of collar locations for female caribou in the Nelchina caribou herd (2012–2021) using the methods of Welch et al. 2023.

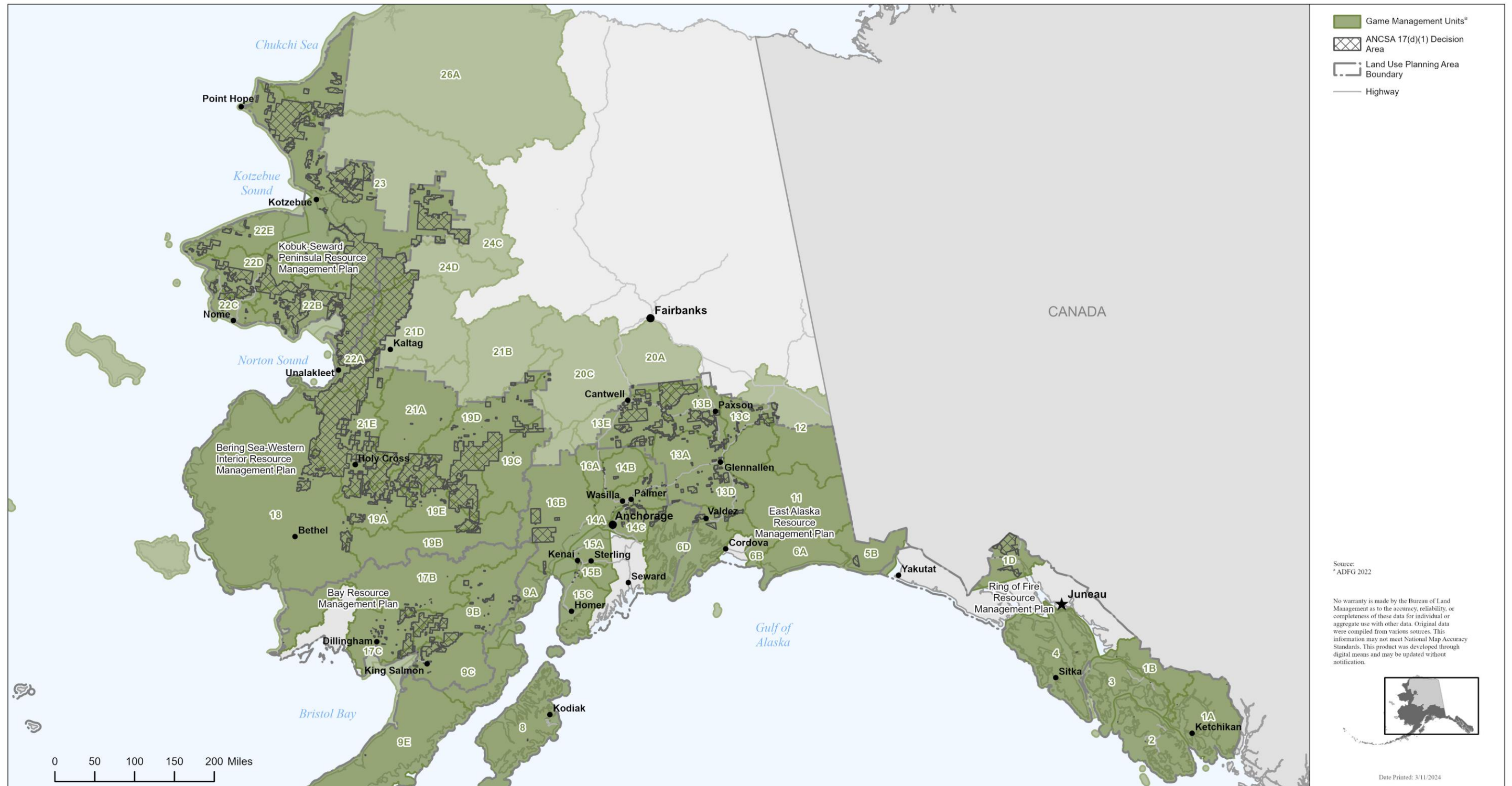


Figure 3.15-4. Game management units that overlap the five planning areas.

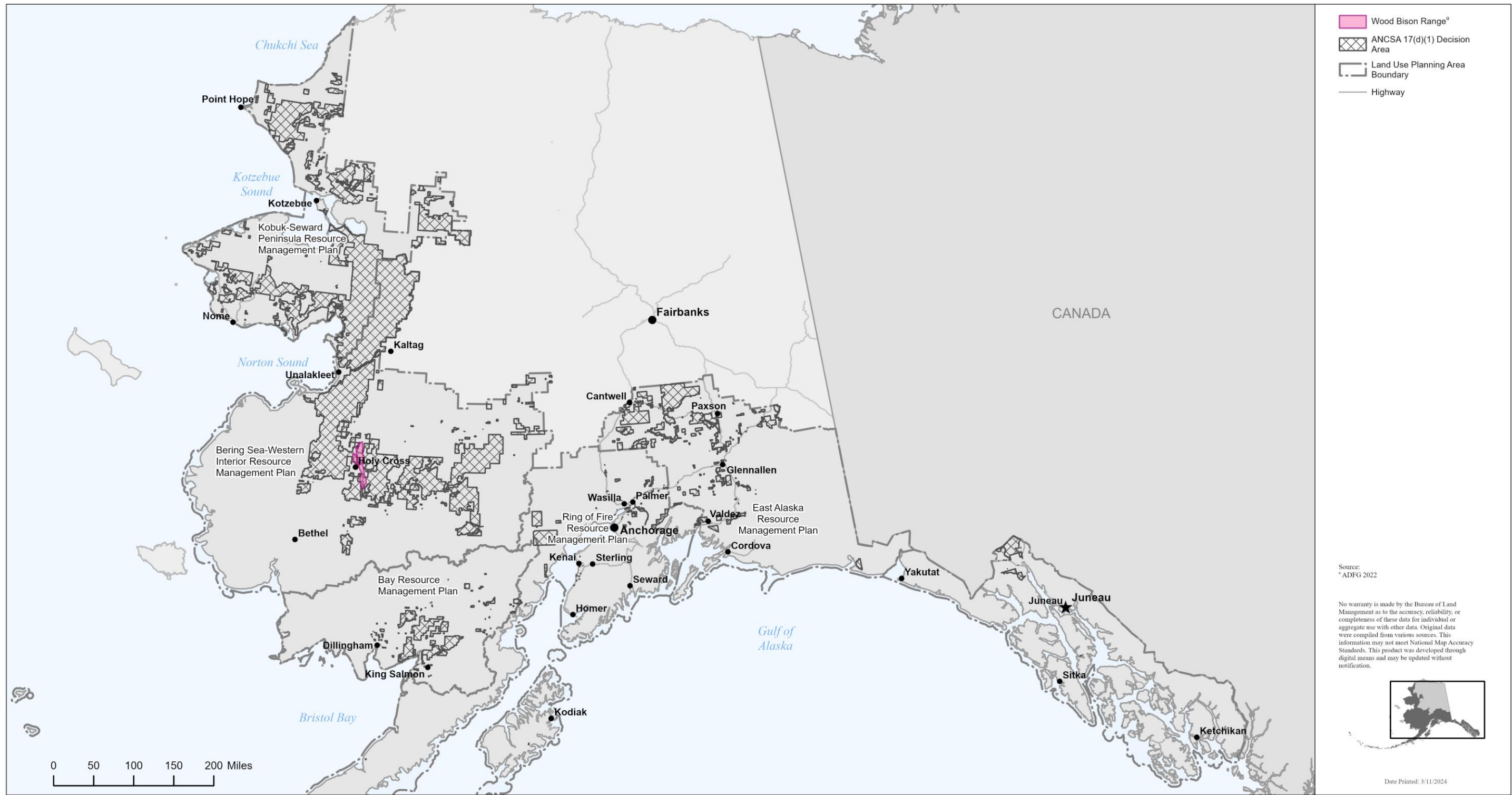


Figure 3.15-5. Wood bison range that overlaps with ANCSA 17(d)(1) withdrawals.

LITERATURE CITED

All Maps Except Subsistence Use Maps

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Subsistence Use Maps

Table 1. Data Sources for Subsistence Use Area Maps

Study Community	Planning Area	Subsistence Use Area Data Sources
Ambler	Kobuk-Seward Peninsula	Braem et al. 2015; Schroeder et al. 1987; Watson 2018
Brevig Mission	Kobuk-Seward Peninsula	Magdanz and Olanna Unpublished
Buckland	Kobuk-Seward Peninsula	Schroeder et al. 1987
Deering	Kobuk-Seward Peninsula	Schroeder et al. 1987; Braem et al. 2017
Diomedea	Kobuk-Seward Peninsula	Braem et al. 2017
Golovin	Kobuk-Seward Peninsula	Braem et al. 2017
Hughes	Kobuk-Seward Peninsula	Marcotte and Haynes 1985; Watson 2018; Wilson and Kostick 2016
Kiana	Kobuk-Seward Peninsula	Schroeder et al. 1987
Kivalina	Kobuk-Seward Peninsula	Braund and Burnham 1983; Foote and Williamson 1966; Magdanz et al. 2010; Saario and Kessel 1966; Schroeder et al. 1987; SRB&A 2000; SRB&A 2005; SRB&A 2009a
Kobuk	Kobuk-Seward Peninsula	Braem et al. 2015; Schroeder et al. 1987; Watson 2018
Kotzebue	Kobuk-Seward Peninsula	Braem et al. 2017
Noatak	Kobuk-Seward Peninsula	Braund and Burnham 1983; Magdanz et al. 2010; Schroeder et al. 1987; SRB&A 2005; SRB&A 2009a
Nome	Kobuk-Seward Peninsula	Magdanz and Olanna Unpublished
Noorvik	Kobuk-Seward Peninsula	Braem et al. 2017; Schroeder et al. 1987
Point Hope	Kobuk-Seward Peninsula	Pedersen 1979a; Braem et al. 2017; Alaska Consultants Inc. and Stephen Braund & Associates 1984
Point Lay	Kobuk-Seward Peninsula	Alaska Consultants Inc. and Stephen Braund & Associates 1984; Braem et al. 2017; Impact Assessment Inc. 1989; Pedersen 1979b; SRB&A 2011a; SRB&A 2013a; SRB&A 2014
Selawik	Kobuk-Seward Peninsula	Braem et al. 2013; Schroeder et al. 1987
Shishmaref	Kobuk-Seward Peninsula	Braem et al. 2017; Sobelman 1983
Shungnak	Kobuk-Seward Peninsula	Braem et al. 2015; Schroeder et al. 1987
Wales	Kobuk-Seward Peninsula	Mikow et al. 2020
Akiachak	Bering Sea-Western Interior	Coffing et al. 2001
Aniak	Bering Sea-Western Interior	Brelsford et al. 1987
Huslia	Bering Sea-Western Interior	Marcotte 1986; Watson 2018
Kwethluk	Bering Sea-Western Interior	ADFG 2005
Lake Minchumina	Bering Sea-Western Interior	ADFG 2005
Lime Village	Bering Sea-Western Interior	Holen and Lemons 2010; Kari 1983; SRB&A 2011b
Marshall	Bering Sea-Western Interior	Brown et al. 2015; Brown and Godduhn 2015
Nikolai	Bering Sea-Western Interior	ADFG 2005

Study Community	Planning Area	Subsistence Use Area Data Sources
Nunapitchuk	Bering Sea-Western Interior	Andrews 1989; Rayet et al. 2010
Russian Mission	Bering Sea-Western Interior	ADFG 2005
Telida	Bering Sea-Western Interior	ADFG 2005
Tuluksak	Bering Sea-Western Interior	ADFG 2005; Andrews and Peterson 1983; Brown et al. 2013
Unalakleet	Bering Sea-Western Interior	ADFG 2005
Aleknagik	Bay	Holen et al. 2005; Holen et al. 2012b; SRB&A Unpublished-a; Wright et al. 1985
Clark's Point	Bay	Holen et al. 2005; Holen et al. 2012b; SRB&A 2015a
Dillingham	Bay	Holen et al. 2005; Holen et al. 2012b; SRB&A Unpublished-b; Wright et al. 1985
Ekwok	Bay	Schichnes and Chythlook 1991; Holen et al. 2005; SRB&A Unpublished-c
Igiugig	Bay	Wright et al. 1985; Holen et al. 2005; Krieg et al. 2009; SRB&A 2010a
Iliamna	Bay	Morris 1986; Fall et al. 2006; Fall et al. 2010; Holen et al. 2005; SRB&A 2009b
King Salmon	Bay	Morris 1986; Holen et al. 2011; SRB&A 2012
Kokhanok	Bay	Wright et al. 1985; Holen et al. 2005; Krieg et al. 2009; SRB&A 2010b
Koliganek	Bay	Wright et al. 1985; Holen et al. 2005; Krieg et al. 2009; SRB&A 2010c
Levelock	Bay	Krieg et al. 2009; Wright et al. 1985; Holen et al. 2005; SRB&A 2010d
Manokotak	Bay	Wright et al. 1985; Holen et al. 2005; Holen et al. 2012b; SRB&A Unpublished-d
Naknek	Bay	Morris 1986; Holen et al. 2011; SRB&A 2013b
New Stuyahok	Bay	Krieg et al. 2009; Wright et al. 1985; Holen et al. 2005; SRB&A 2010e
Newhalen	Bay	Fall et al. 2006; Fall et al. 2010; Holen et al. 2005; Morris 1986; SRB&A 2009c
Nondalton	Bay	Fall et al. 2006; Fall et al. 2010; Holen et al. 2005; Morris 1986; SRB&A 2013c
Pedro Bay	Bay	Fall et al. 2006; Holen et al. 2005; Morris 1986; SRB&A 2010f
Platinum	Bay	ADFG 2005
Port Alsworth	Bay	Fall et al. 2006; Fall et al. 2010; Holen et al. 2005; Morris 1986; SRB&A 2010g
Portage Creek	Bay	Holen et al. 2005; Schichnes and Chythlook 1991; Wright et al. 1985; SRB&A 2010h
South Naknek	Bay	Morris 1986; Holen et al. 2011; SRB&A 2015b
Togiak	Bay	ADFG 2005; Holen et al. 2005
Twin Hills	Bay	ADFG 2005; Holen et al. 2005
Angoon	Ring of Fire	ADFG 2005; George and Bosworth 1988; Goldschmidt and Haas 1946; Kruse and Frazier 1988; Sill and Koster 2017
Beluga	Ring of Fire	ADFG 1985; SRB&A 2007; Stanek et al. 2007; Stanek 1987
Chase	Ring of Fire	Holen et al. 2014; SRB&A 2017; Stanek et al. 1988

Study Community	Planning Area	Subsistence Use Area Data Sources
Chickaloon	Ring of Fire	Stratton and Georgette 1985
Chignik	Ring of Fire	Morris 1987
Chignik Lagoon	Ring of Fire	Morris 1987
Coffman Cove	Ring of Fire	ADFG 2005
Cold Bay	Ring of Fire	ADFG 2005
Cooper Landing	Ring of Fire	Seitz et al. 1994
Craig	Ring of Fire	ADFG 2005
Edna Bay	Ring of Fire	ADFG 2005
Egegik	Ring of Fire	Morris 1987
Gustavus	Ring of Fire	ADFG 2005
Haines	Ring of Fire	ADFG 2005
Hollis	Ring of Fire	ADFG 2005
Hope	Ring of Fire	Seitz et al. 1994
Hydaburg	Ring of Fire	ADFG 2005
Hyder	Ring of Fire	ADFG 2005
Ivanof Bay	Ring of Fire	ADFG 2005
Kake	Ring of Fire	ADFG 2005
Kasaan	Ring of Fire	ADFG 2005
Klawock	Ring of Fire	ADFG 2005
Klukwan	Ring of Fire	ADFG 2005
Kodiak	Ring of Fire	ADFG 2005
Kodiak Station	Ring of Fire	ADFG 2005
Metlakatla	Ring of Fire	ADFG 2005
Nanwalek	Ring of Fire	Jones and Kostick 2016; SRB&A 2017; Stanek 1985
Naukati Bay	Ring of Fire	ADFG 2005
Nelson Lagoon	Ring of Fire	ADFG 2005
Nikolaevsk	Ring of Fire	Fall et al. 2000
Ninilchik	Ring of Fire	Fall et al. 2000; Ninilchik Traditional Council 1999
Point Baker	Ring of Fire	ADFG 2005
Port Alexander	Ring of Fire	ADFG 2005
Port Graham	Ring of Fire	Jones and Kostick 2016; SRB&A 2017; Stanek et al. 1982; Stanek 1985
Port Heiden	Ring of Fire	ADFG 2005
Port Protection	Ring of Fire	ADFG 2005
Sand Point	Ring of Fire	ADFG 2005
Seldovia	Ring of Fire	Jones and Kostick 2016; SRB&A 2017
Skwentna	Ring of Fire	ADFG 2005; Fall et al. 1983; Holen et al. 2014; SRB&A 2017; Stanek 1987
Susitna	Ring of Fire	ADFG 2005; Stanek 1987
Susitna North	Ring of Fire	ADFG 2005; Stanek 1987
Talkeetna	Ring of Fire	Holen et al. 2014; SRB&A 2017

Study Community	Planning Area	Subsistence Use Area Data Sources
Tenakee Springs	Ring of Fire	ADFG 2005
Thorne Bay	Ring of Fire	ADFG 2005
Trapper Creek	Ring of Fire	ADFG 1985; Holen et al. 2014; SRB&A 2017; Stanek 1987
Tyonek	Ring of Fire	Fall, Foster, and Stanek 1984; Foster 1982; Jones et al. 2015; SRB&A 2007; Stanek et al. 1982; Stanek et al. 2007
Whale Pass	Ring of Fire	ADFG 2005
Whittier	Ring of Fire	Seitz et al. 1994
Anderson	East Alaska	SRB&A 2017
Cantwell	East Alaska	Stratton and Georgette 1985; Simeone 2002; Holen et al. 2014; SRB&A 2017
Chisana	East Alaska	Stratton and Georgette 1985
Chistochina	East Alaska	Stratton and Georgette 1985; Kukkonen and Zimpelman 2012
Chitina	East Alaska	Stratton and Georgette 1985; La Vine and Zimpelman 2014
Copper Center	East Alaska	Stratton and Georgette 1985; La Vine et al. 2013; Kruse et al. 2004; Haley and Nemeth 2005
Cordova	East Alaska	ADFG 2005
Denali Park	East Alaska	SRB&A 2017; Brown and Kostick 2017; Wolfe et al. Unpublished
Dot Lake	East Alaska	Holen et al. 2012a; Martin 1983
Dry Creek	East Alaska	Holen et al. 2012a
Gakona	East Alaska	Stratton and Georgette 1985; La Vine and Zimpelman 2014; Haley and Nemeth 2005
Glacier View	East Alaska	Stratton and Georgette 1985
Glennallen	East Alaska	Holen, Hazell, and Zimpelman 2015; Stratton and Georgette 1985
Gulkana	East Alaska	Holen et al. 2015; Stratton and Georgette 1985; Haley and Nemeth 2005
Healy	East Alaska	Brown et al. 2016; SRB&A 2017; Wolfe et al. Unpublished
Kenny Lake	East Alaska	Stratton and Georgette 1985; La Vine and Zimpelman 2014
Lake Louise	East Alaska	Holen et al. 2015; Stratton and Georgette 1985
Mendeltna	East Alaska	Holen et al. 2015; Stratton and Georgette 1985
Mentasta Lake	East Alaska	Stratton and Georgette 1985; La Vine et al. 2013
Nabesna	East Alaska	Stratton and Georgette 1985
Nelchina	East Alaska	Holen et al. 2015; Stratton and Georgette 1985
Northway	East Alaska	ADFG 2005; Godduhn and Kostick 2016
Paxson	East Alaska	Holen et al. 2015; Stratton and Georgette 1985
Siana	East Alaska	Stratton and Georgette 1985; La Vine et al. 2013
Tanacross	East Alaska	Marcotte 1991
Tatitlek	East Alaska	Stratton 1990
Tazlina	East Alaska	Holen et al. 2015
Tetlin	East Alaska	Halpin 1987
Tok	East Alaska	Holen et al. 2012a; Marcotte 1991
Tolsona	East Alaska	Holen et al. 2015; Stratton and Georgette 1985

Study Community	Planning Area	Subsistence Use Area Data Sources
Tonsina	East Alaska	Holen et al. 2015; Stratton and Georgette 1985
Willow Creek	East Alaska	La Vine and Zimpelman 2014

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