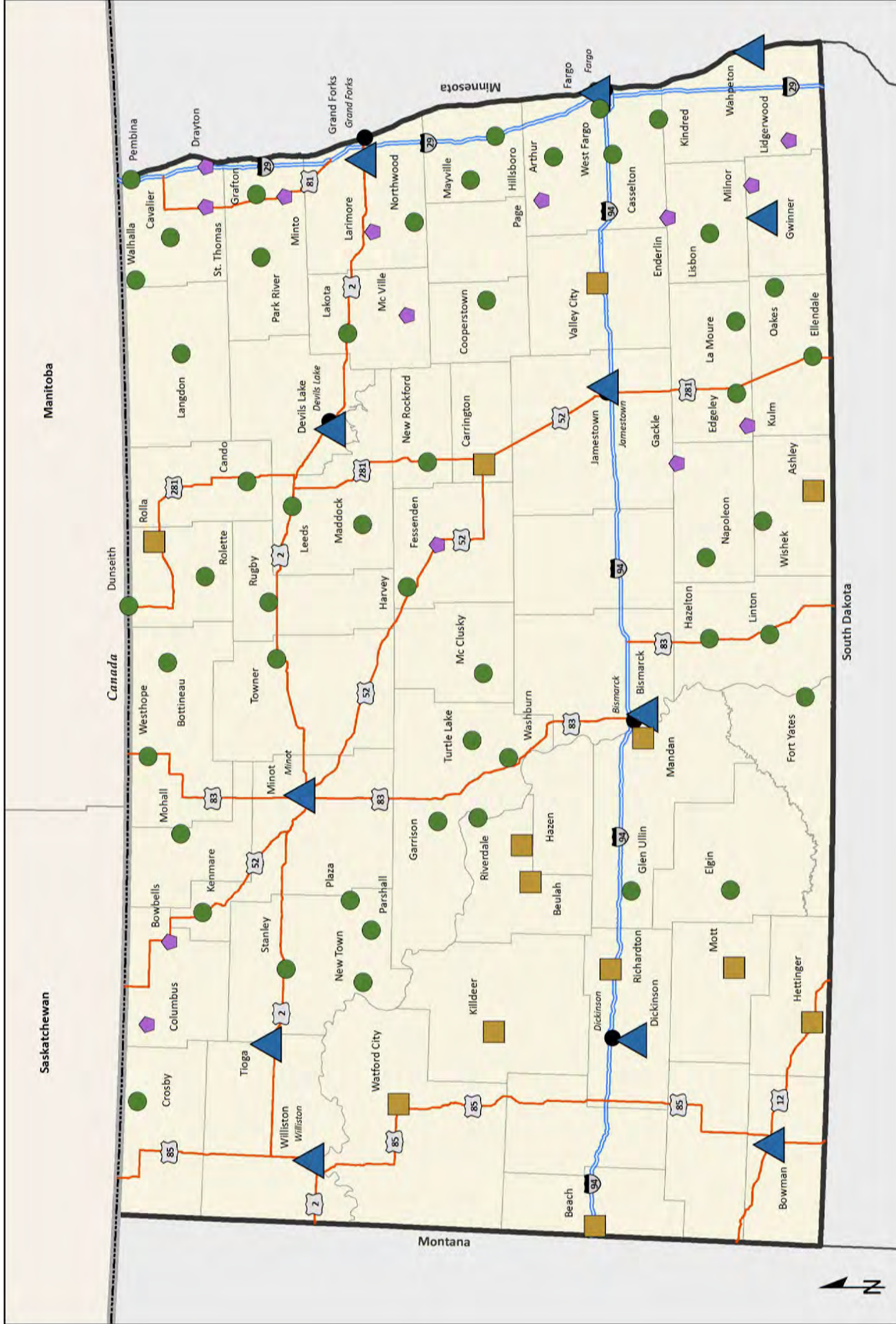


APPENDIX C – FULL SIZE MAPS

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CHAPTER 3 – MAPS

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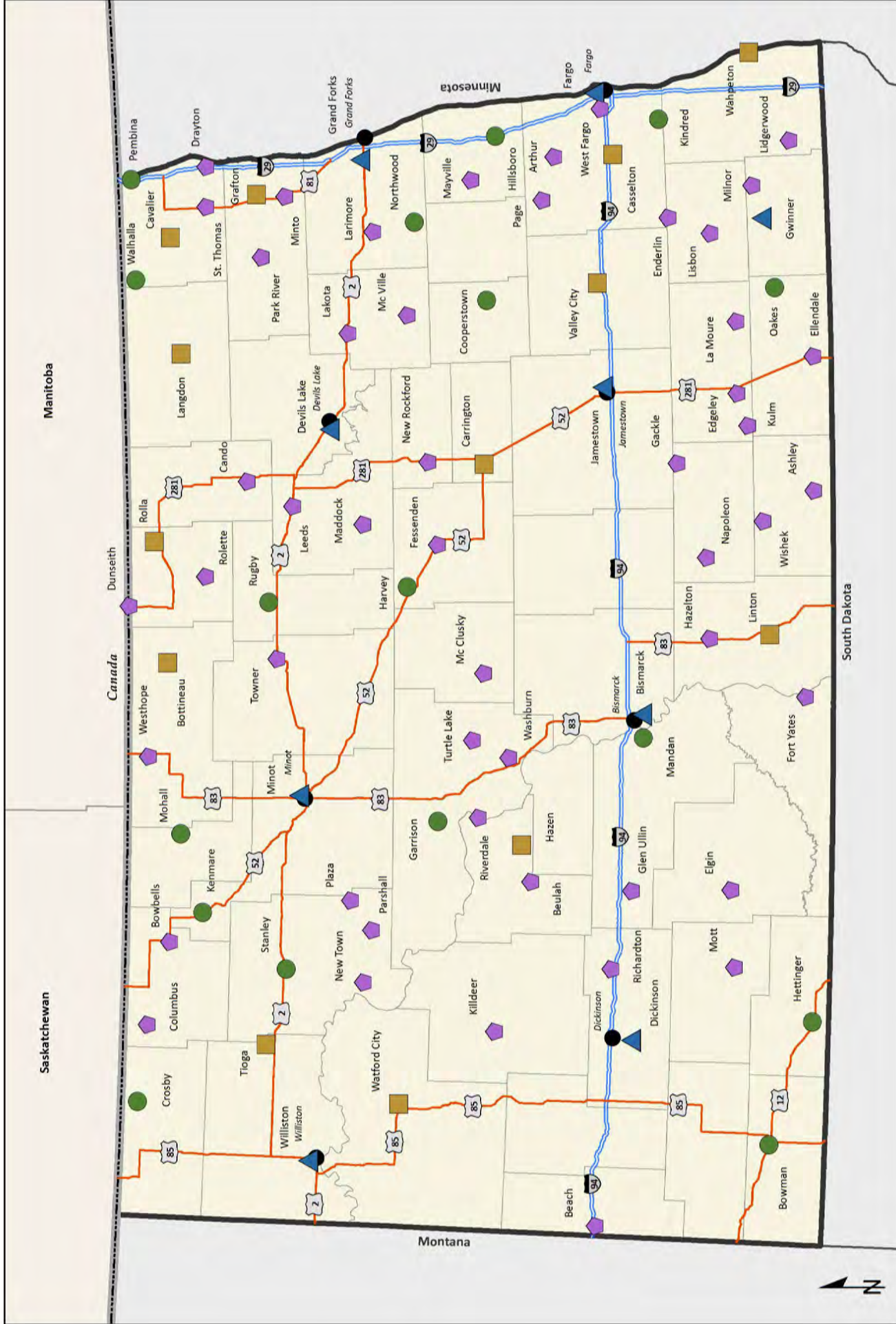


Legend

-  5,000+ feet (12 airports)
-  3,000 - 3,999 feet (50 airports)
-  4,000 - 4,999 feet (13 airports)
-  2,999 feet or less (14 airports)
-  Major City
-  County Boundary

NDSASP Primary Runway Length

Source: Airmavcom, confirmed through Airport Manager Survey.

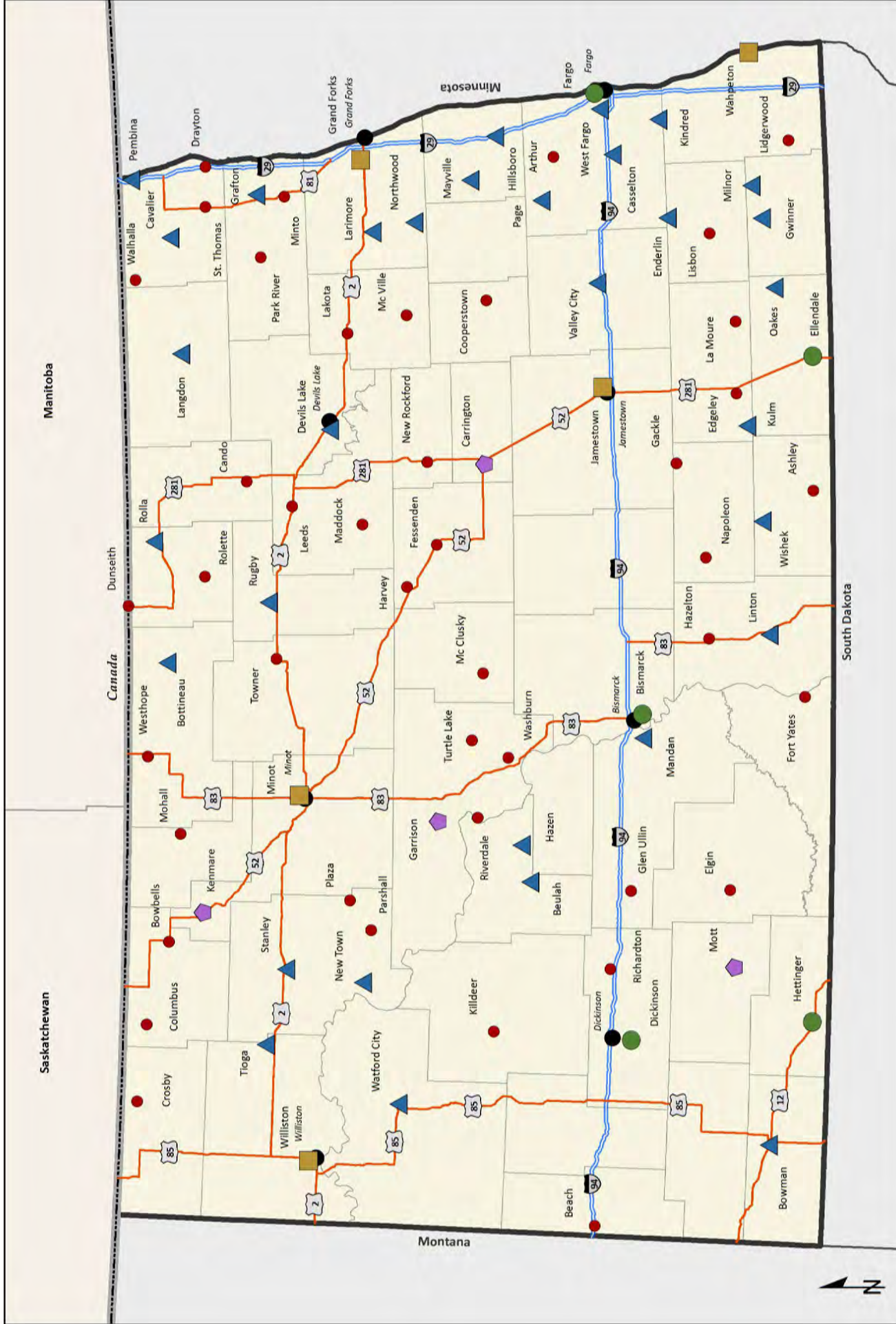


Legend

- Precision (9 airports)
- Non-Precision with Vertical Guidance (13 airports)
- Non-Precision (17 airports)
- Visual (50 airports)
- Major City
- County Boundary

NDSASP Primary Runway Approach Type

Source: Airmavcom, confirmed through Airport Manager Survey.

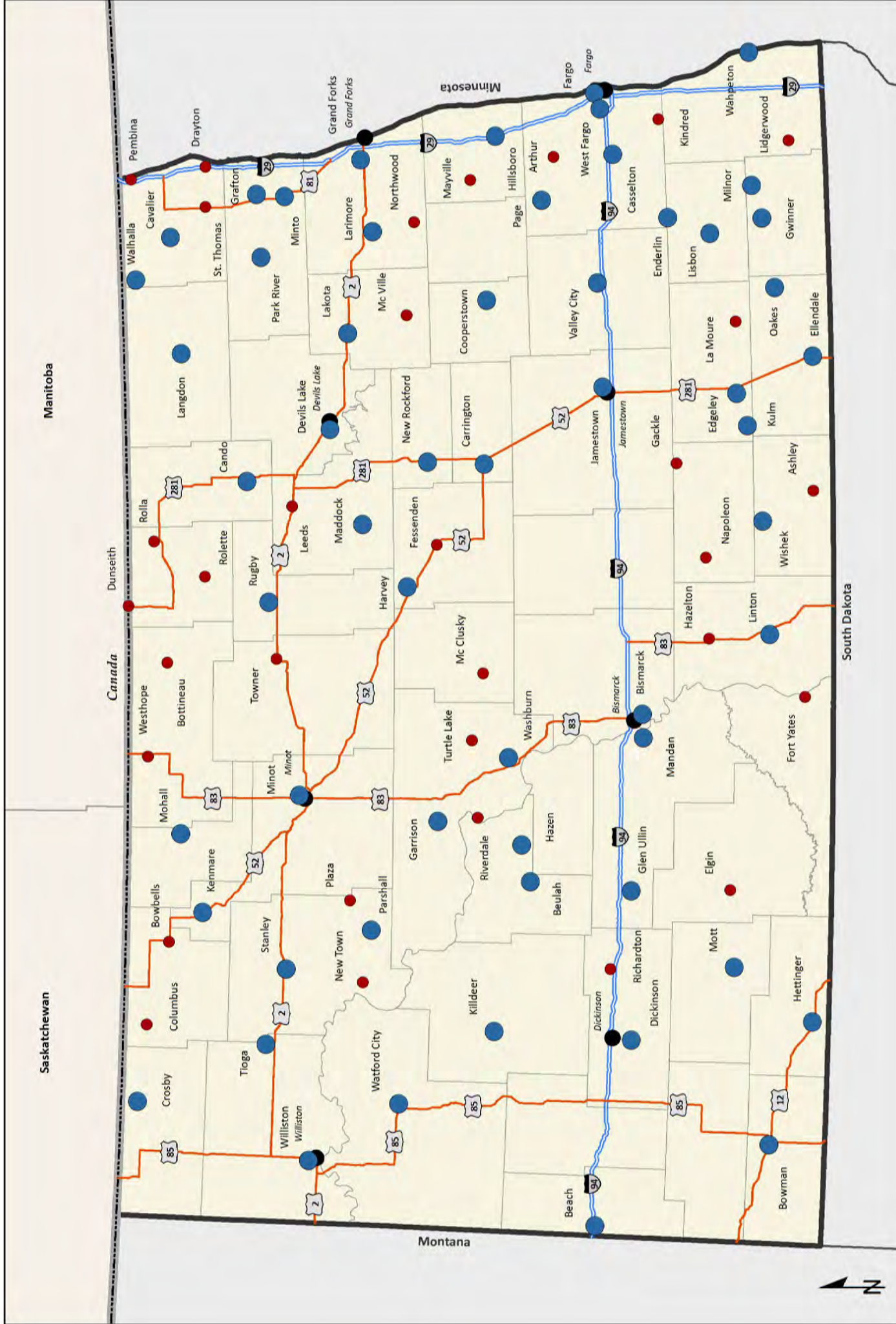


Legend

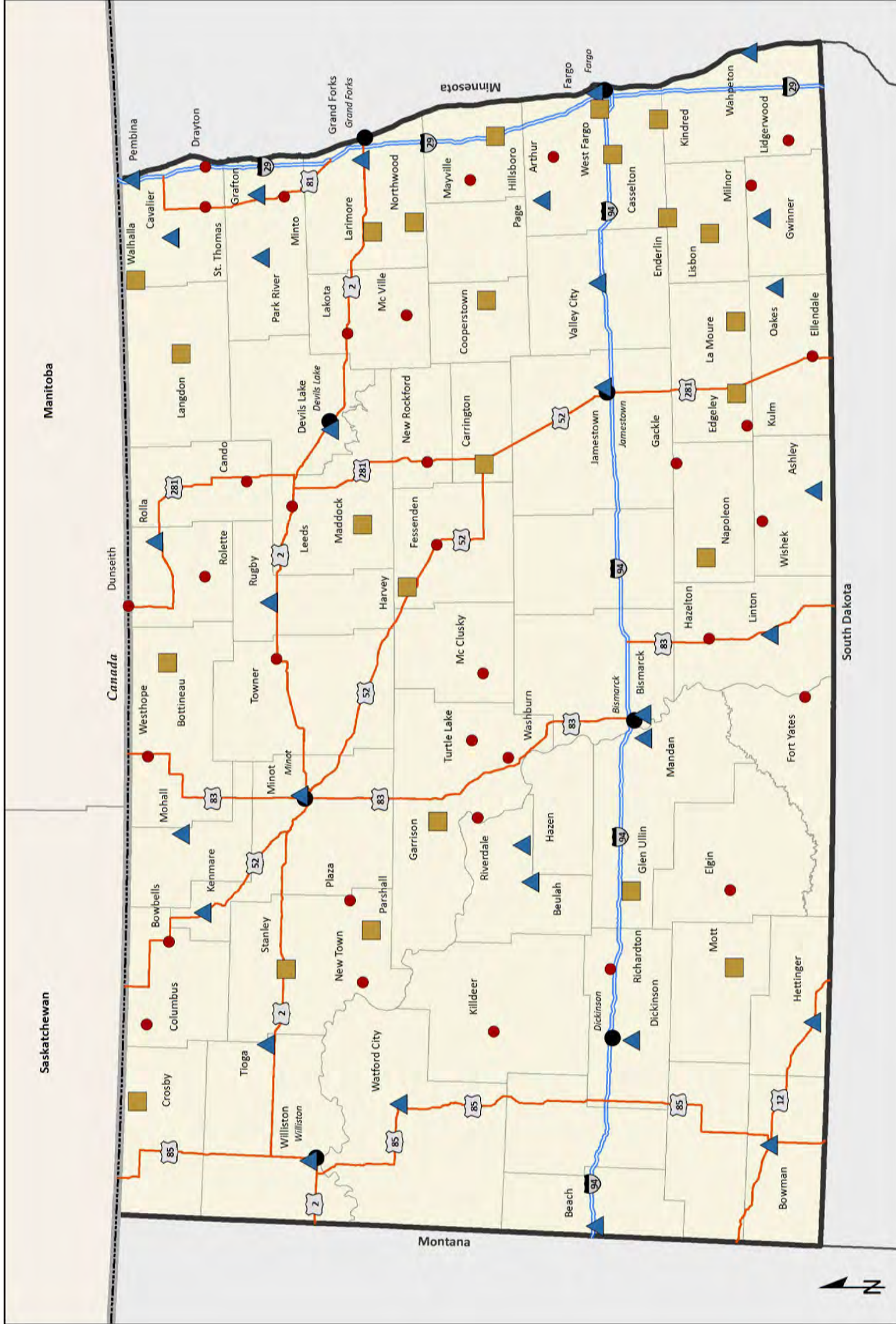
- Rental Car (5 airports)
- Courtesy Car (32 airports)
- No Ground Transportation (43 airports)
- Other (4 airports)
- Major City
- County Boundary

NDSASP Airports with Ground Transportation

Source: Airport Manager Survey.



NDSASP Airports with Pilot Lounges

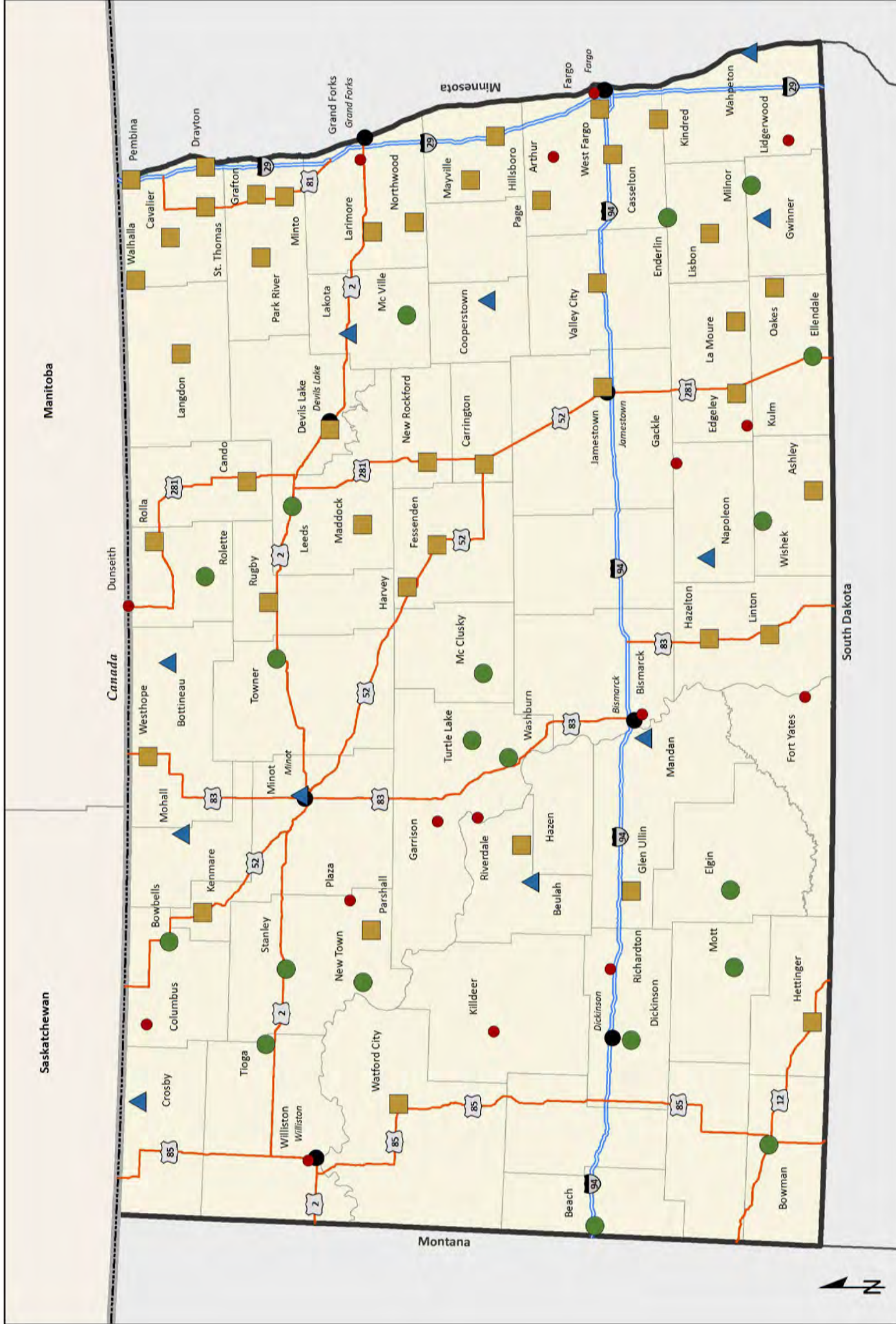


Legend

- Jet A and 100LL (31 airports)
- 100LL only (24 airports)
- No Fuel (34 airports)
- Major City
- County Boundary

NDSASP Airports with Fueling

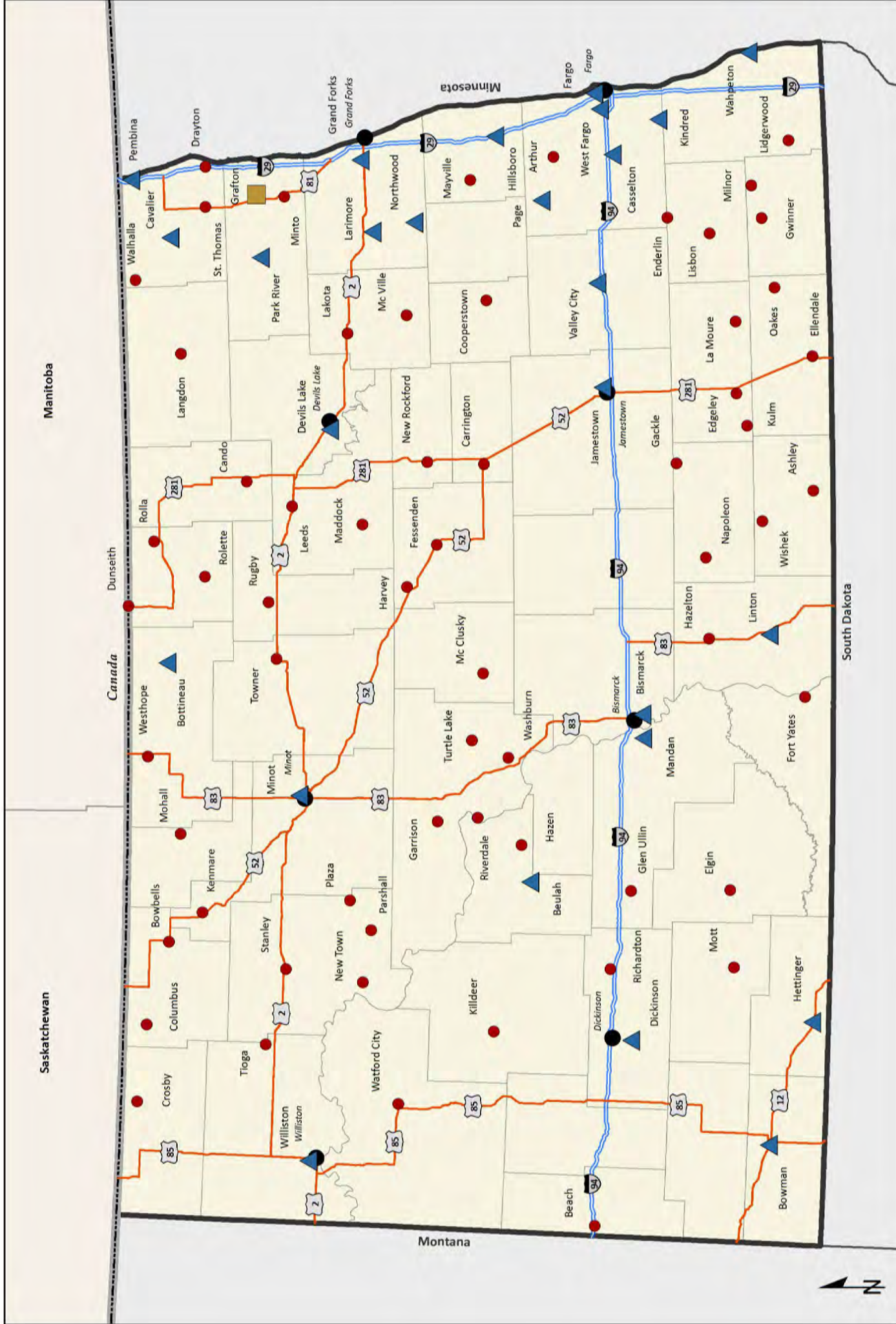
Source: Airmavcom, confirmed through Airport Manager Survey.



Legend

- ▲ Based and Transient (11 airports)
- Based (42 airports)
- Transient (20 airports)
- No Aerial Applicators (16 airports)
- Major City
- County Boundary

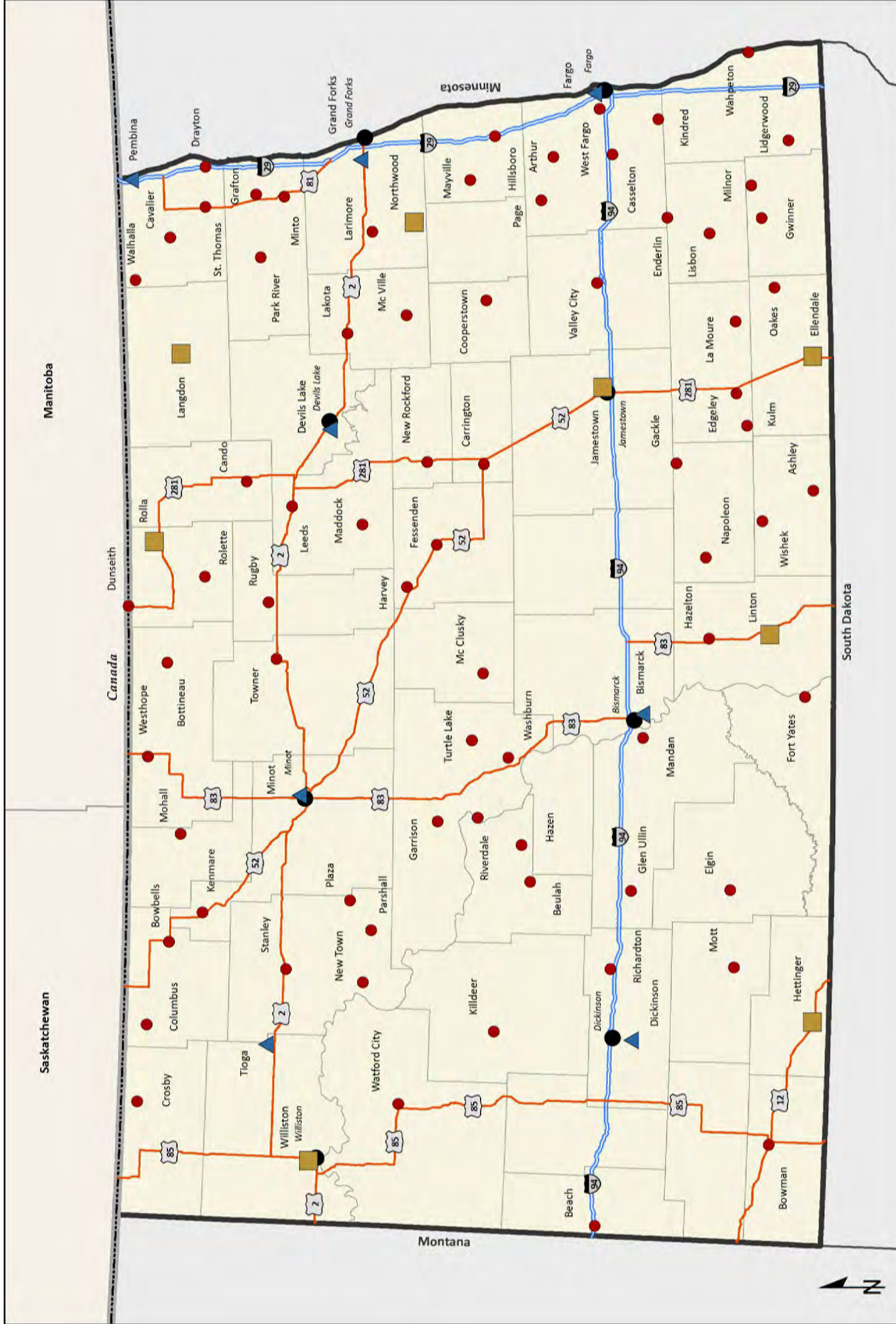
NDSASP Airports Serving Aerial Applicators



Legend

- Based (26 airports) ▲
- On Call (1 airport) ■
- No Aircraft Maintenance Offered (62 airports) ●
- Major City ●
- County Boundary

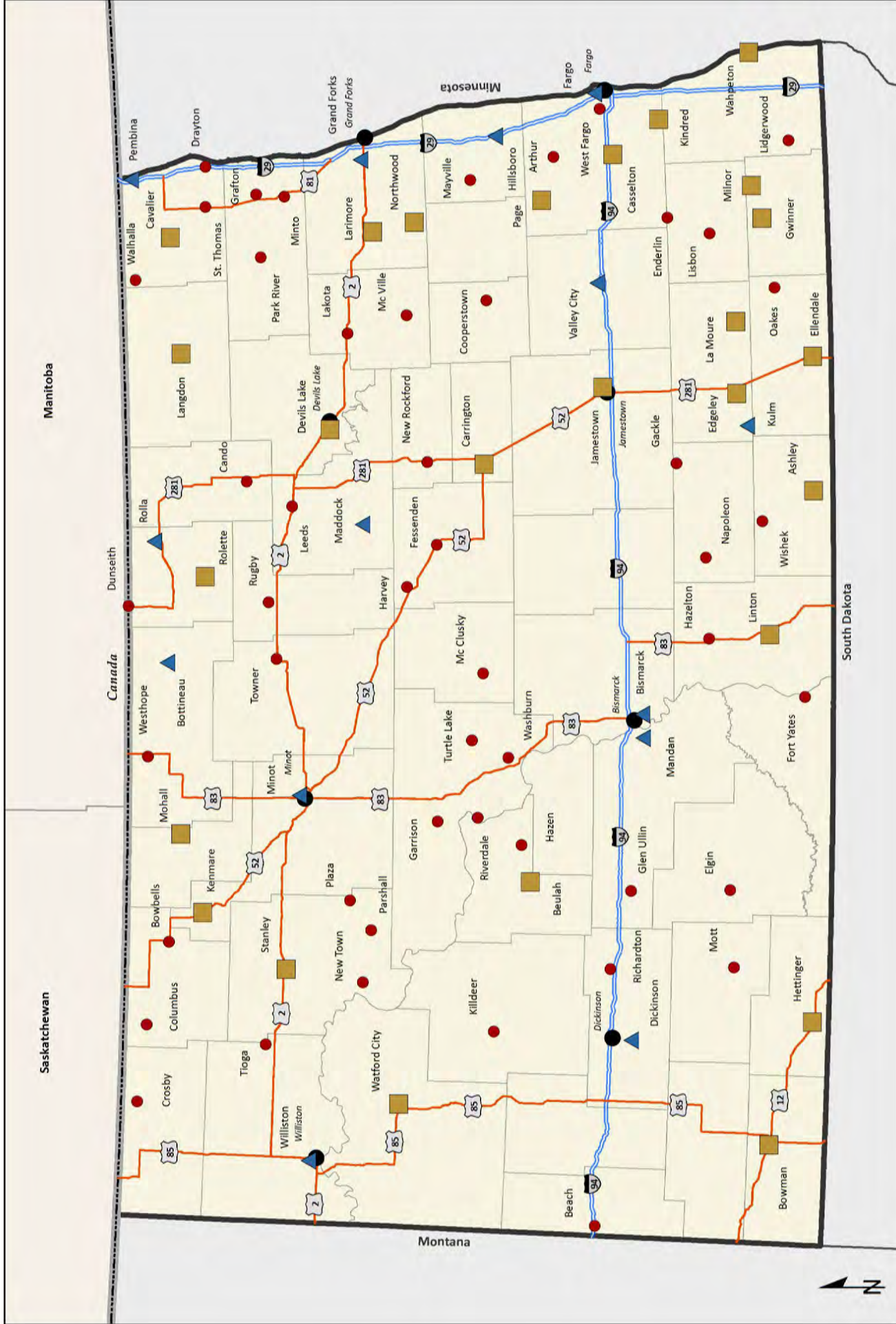
NDSASP Airports with Aircraft Maintenance



Legend

- Based (8 airports)
- On Call (8 airports)
- No Charter Offered (73 airports)
- Major City
- County Boundary

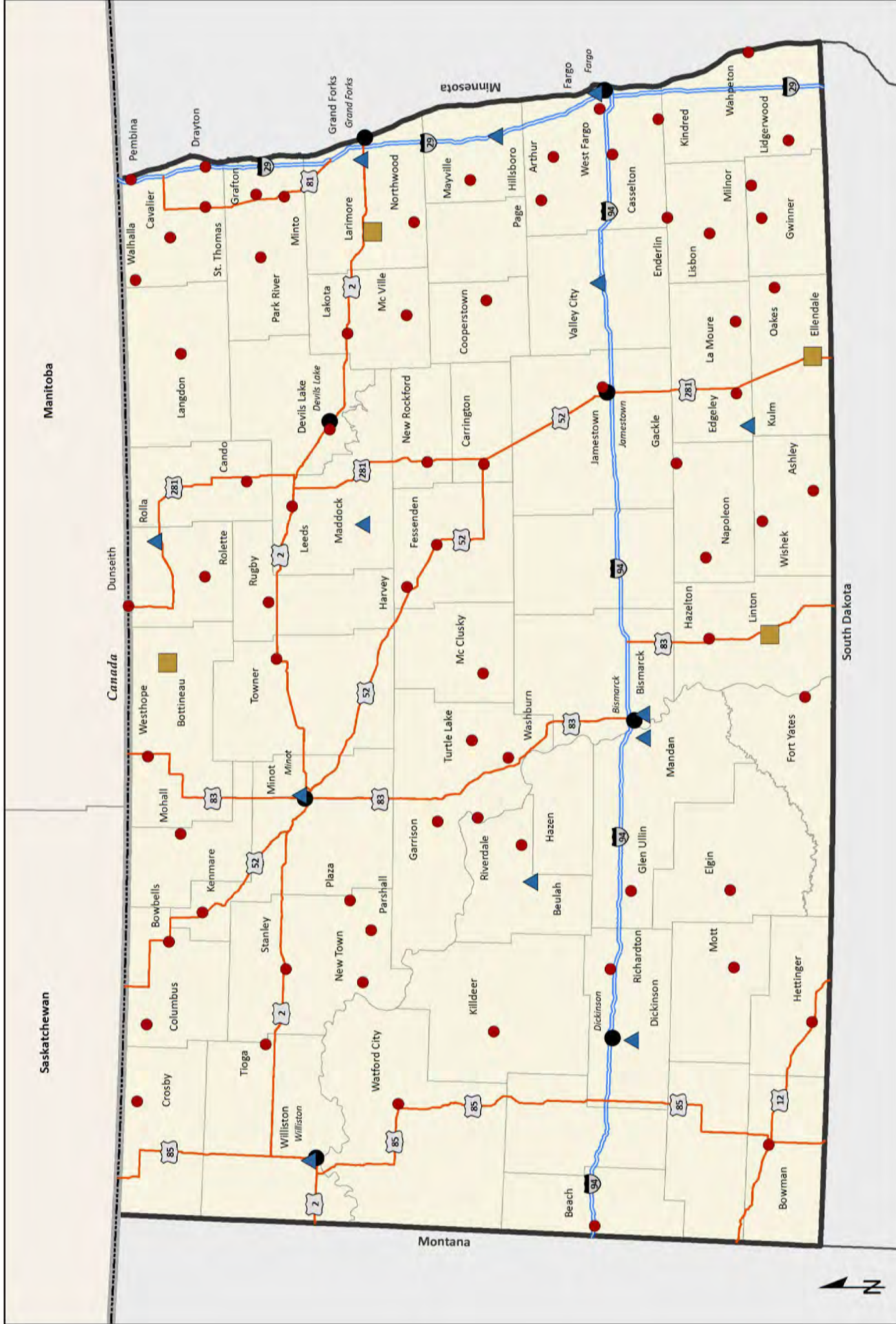
NDSASP Airports with Charter Service



Legend

- Based (14 airports)
- On Call (26 airports)
- No Flight Instruction Offered (49 airports)
- Major City
- County Boundary

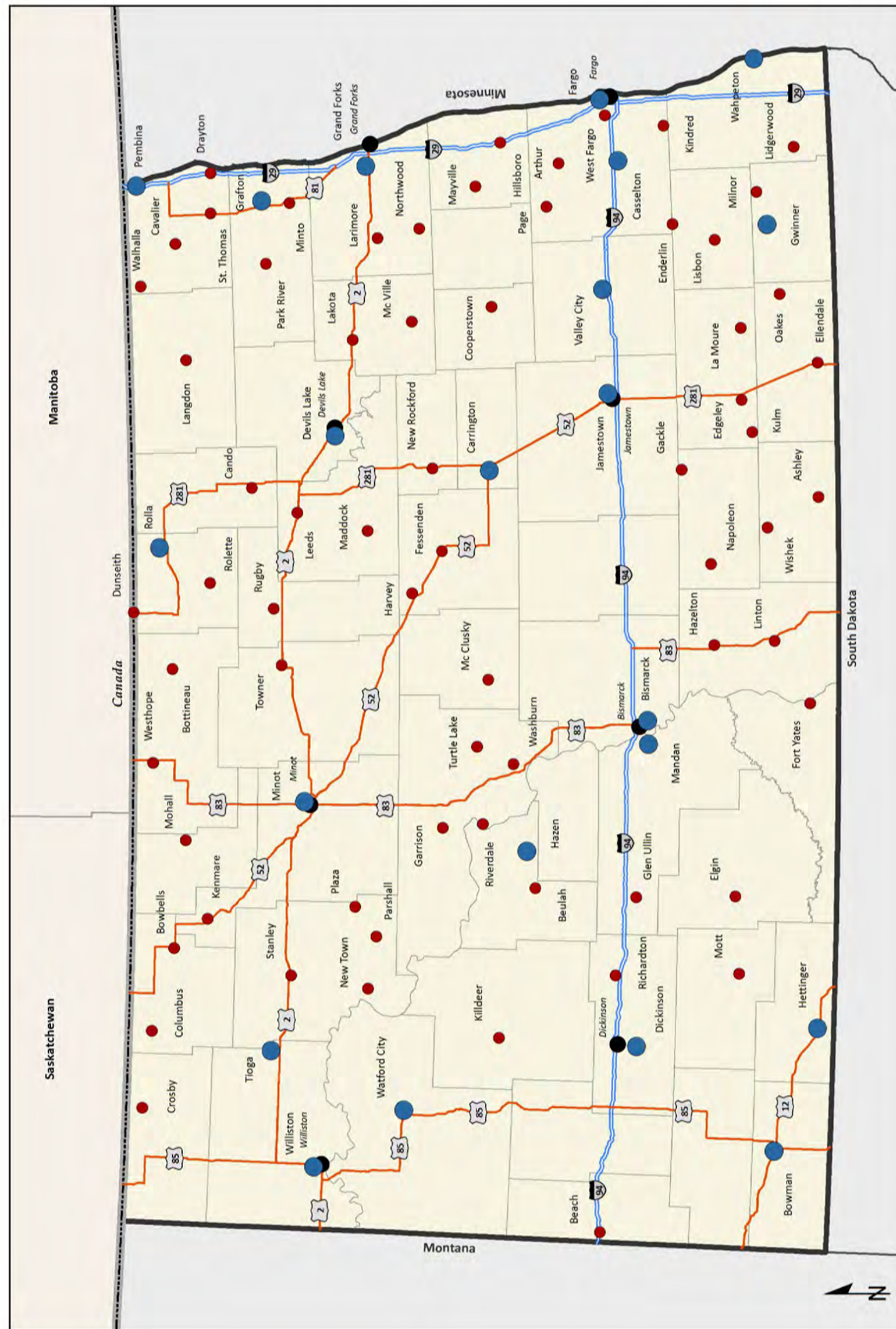
NDSASP Airports with Flight Instruction



Legend

- Based (13 airports) ▲
- On Call (4 airports) ■
- No Rental Aircraft Offered (72 airports) ●
- Major City ●
- County Boundary

NDSASP Airports with Rental Aircraft

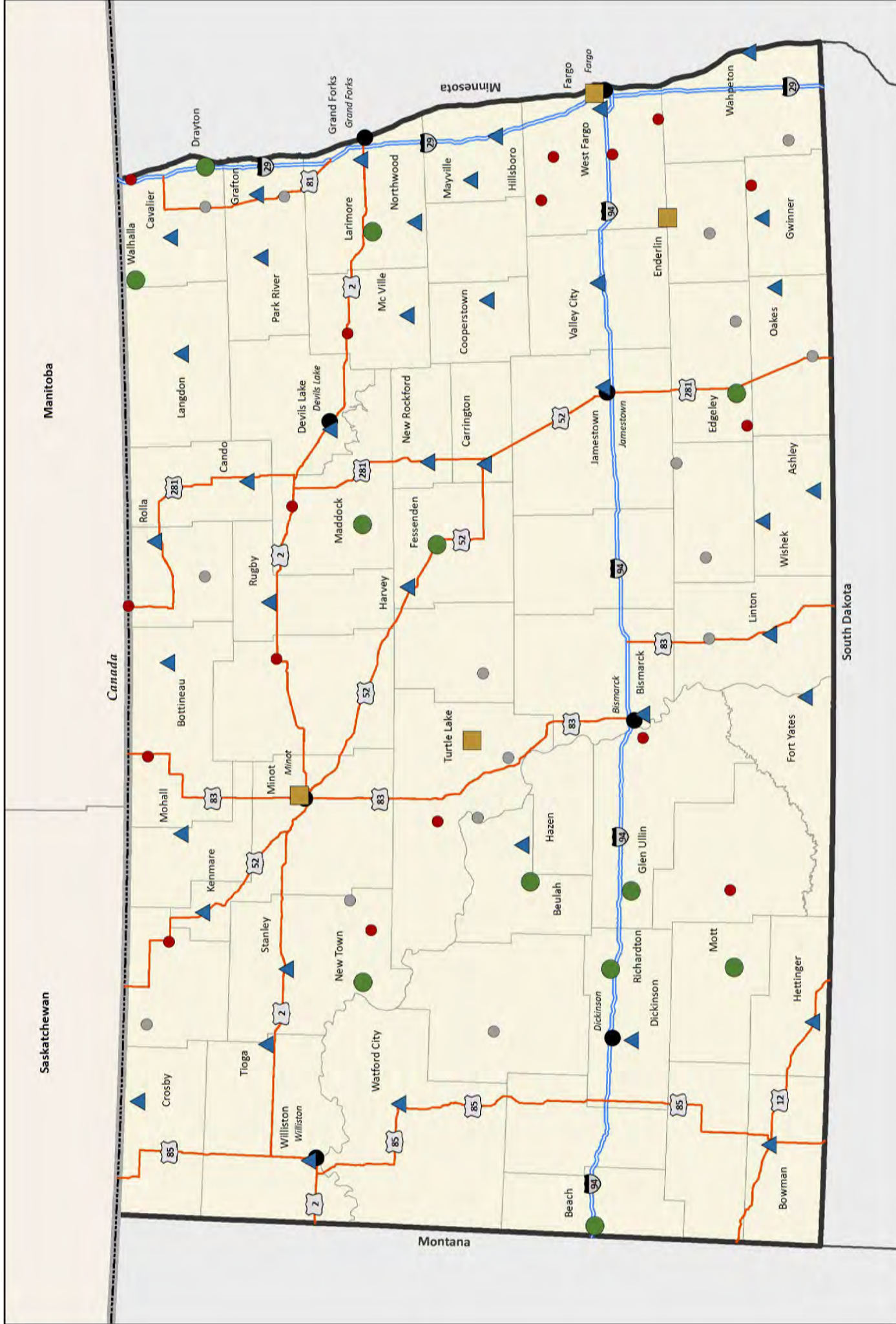


Legend

- Meets the Needs of King Air Aircraft (22 airports)
Does Not Meet the Needs of King Air Aircraft (67 airports)
- Major City
County Boundary

NDSASP Airports Meeting Needs of King Air Aircraft

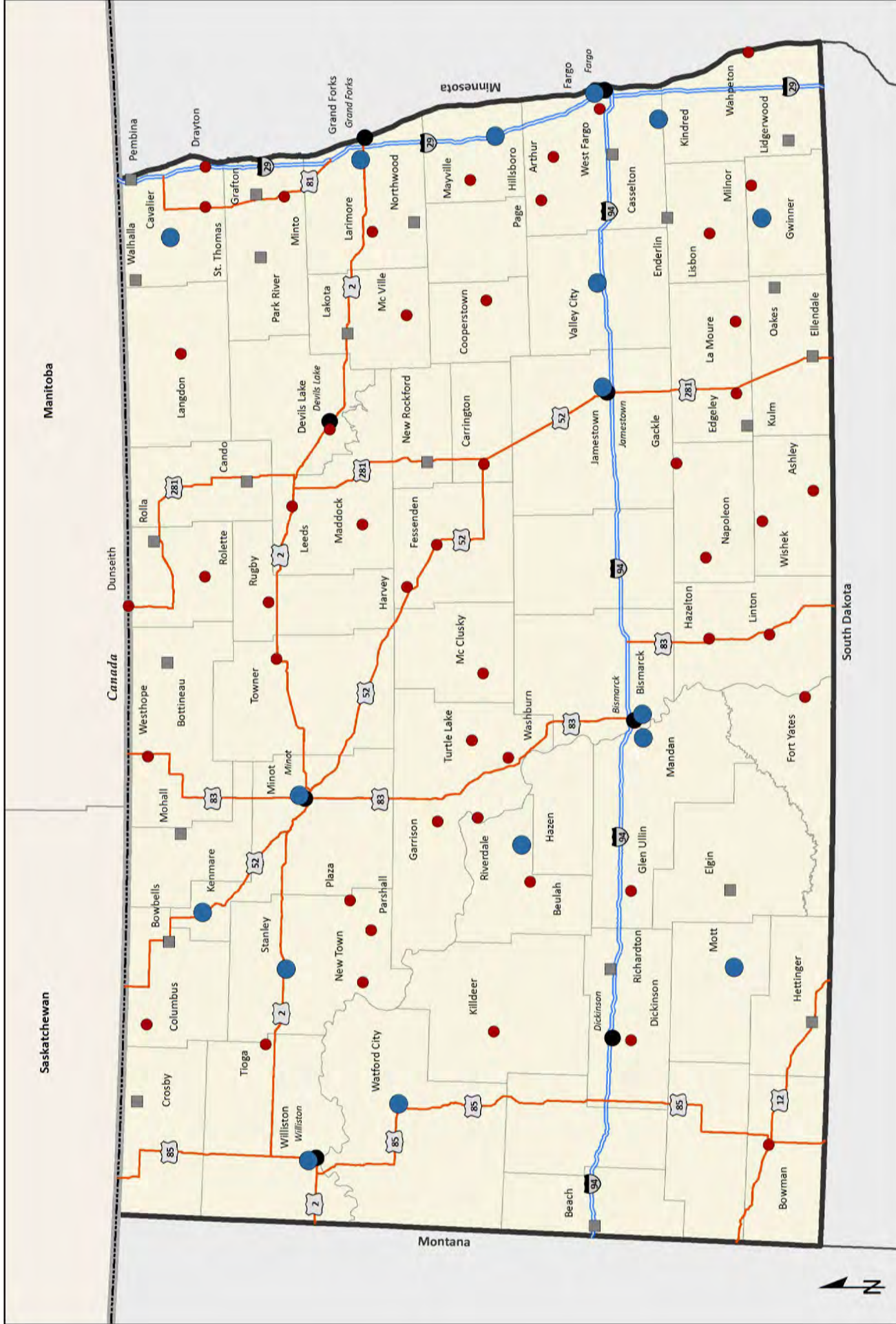
Note: Capable airports have available runway lengths of 3,800+ ft and a reference code of B-II or greater.



Legend

- ▲ Serves Hospital and Clinic (40 airports)
- Does Not Serve a Hospital or Clinic (17 airports)
- Serves Hospital Only (4 airports)
- Serves Clinic Only (12 airports)
- Major City
- County Boundary

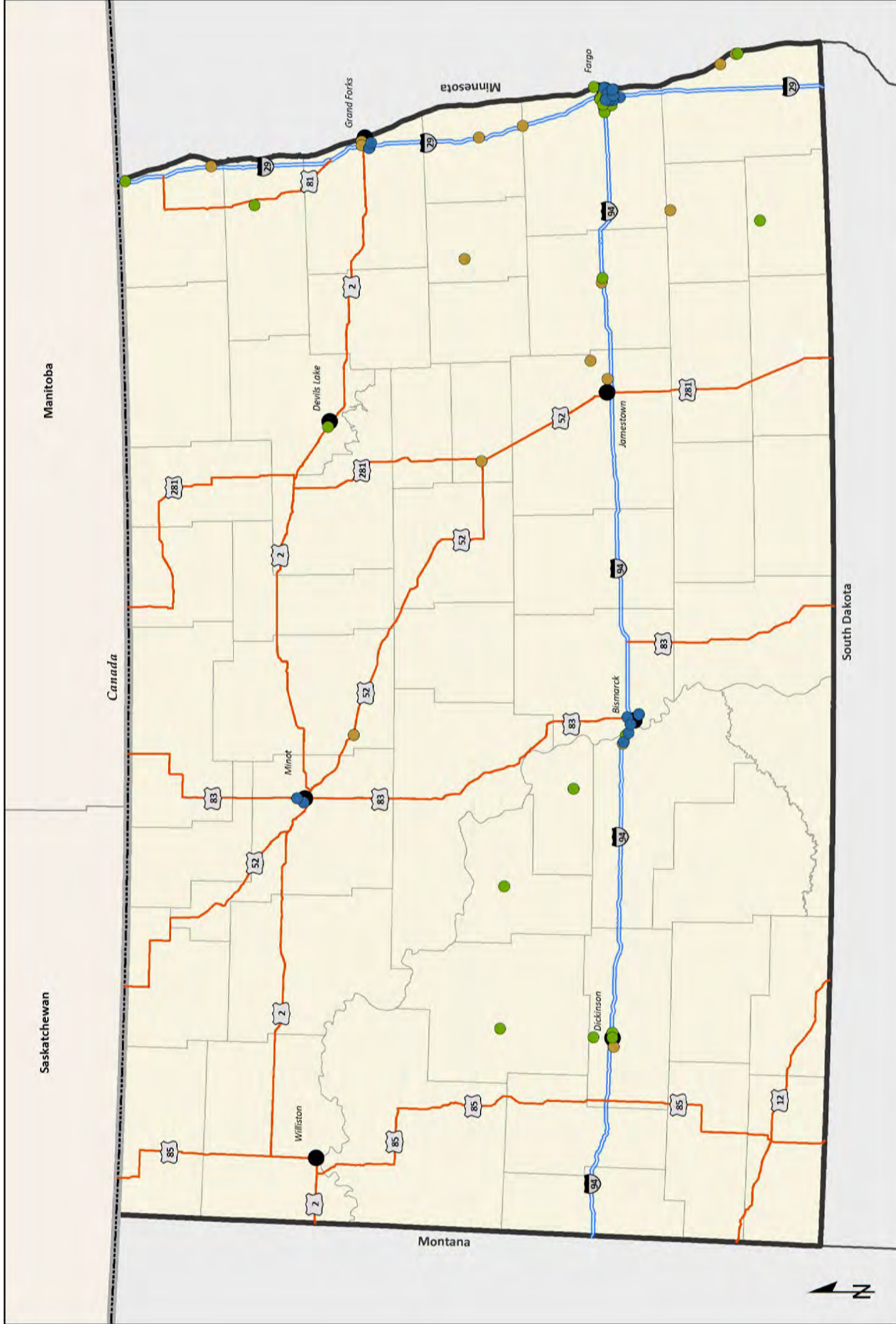
NDSASP Airports Serving Hospitals/Clinics



Legend

- Part 77 Height Zoning (17 airports)
- No Part 77 Height Zoning (49 airports)
- Does Not Know (23 airports)
- Major City
- County Boundary

NDSASP Airports with Part 77 Height Zoning

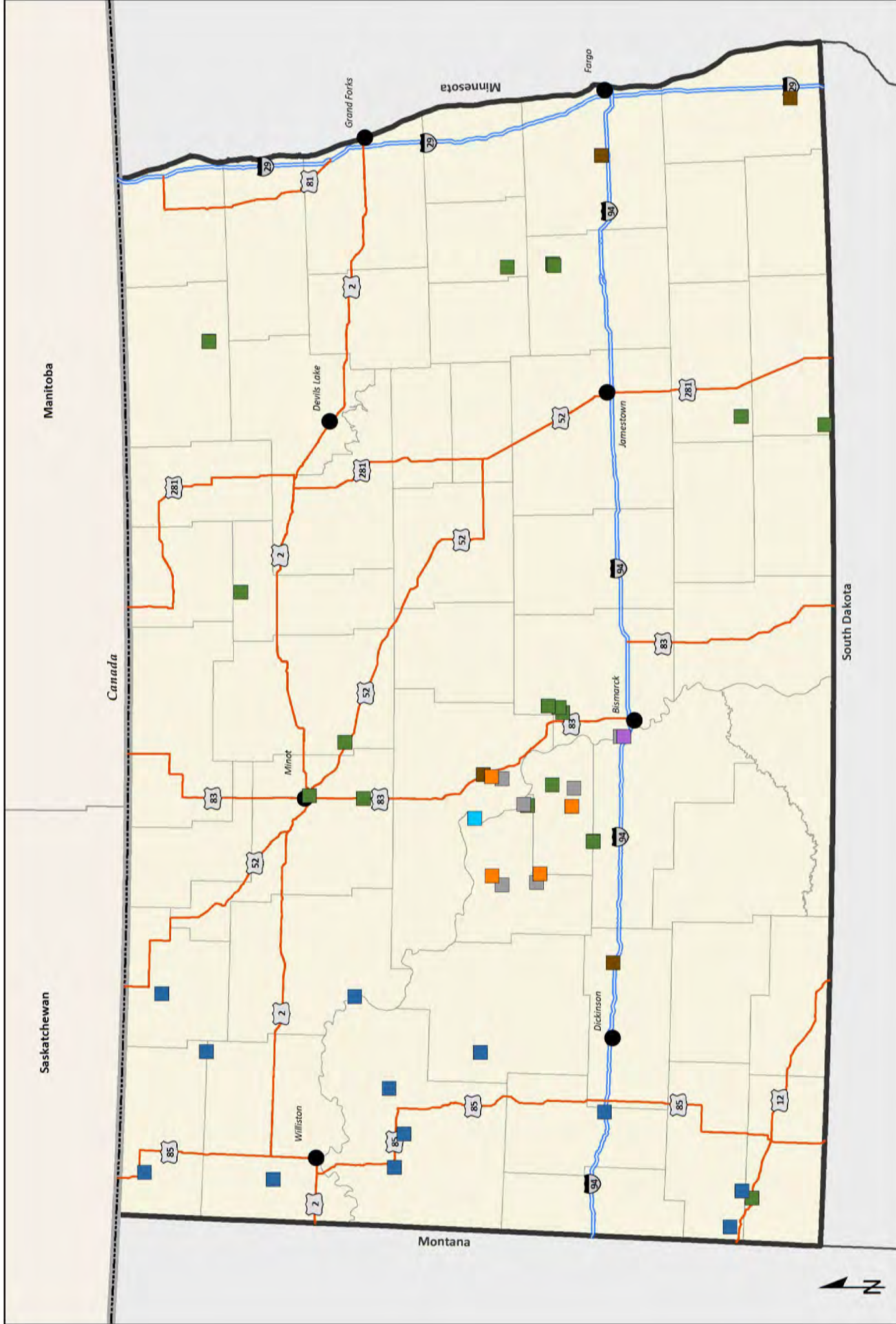


Legend

- Food Processor
- Manufacturing
- Technology
- Major City
- County Boundary

Locations of Large Businesses and Manufacturers in North Dakota

Note: Business name and location data from North Dakota Department of Commerce.



Legend

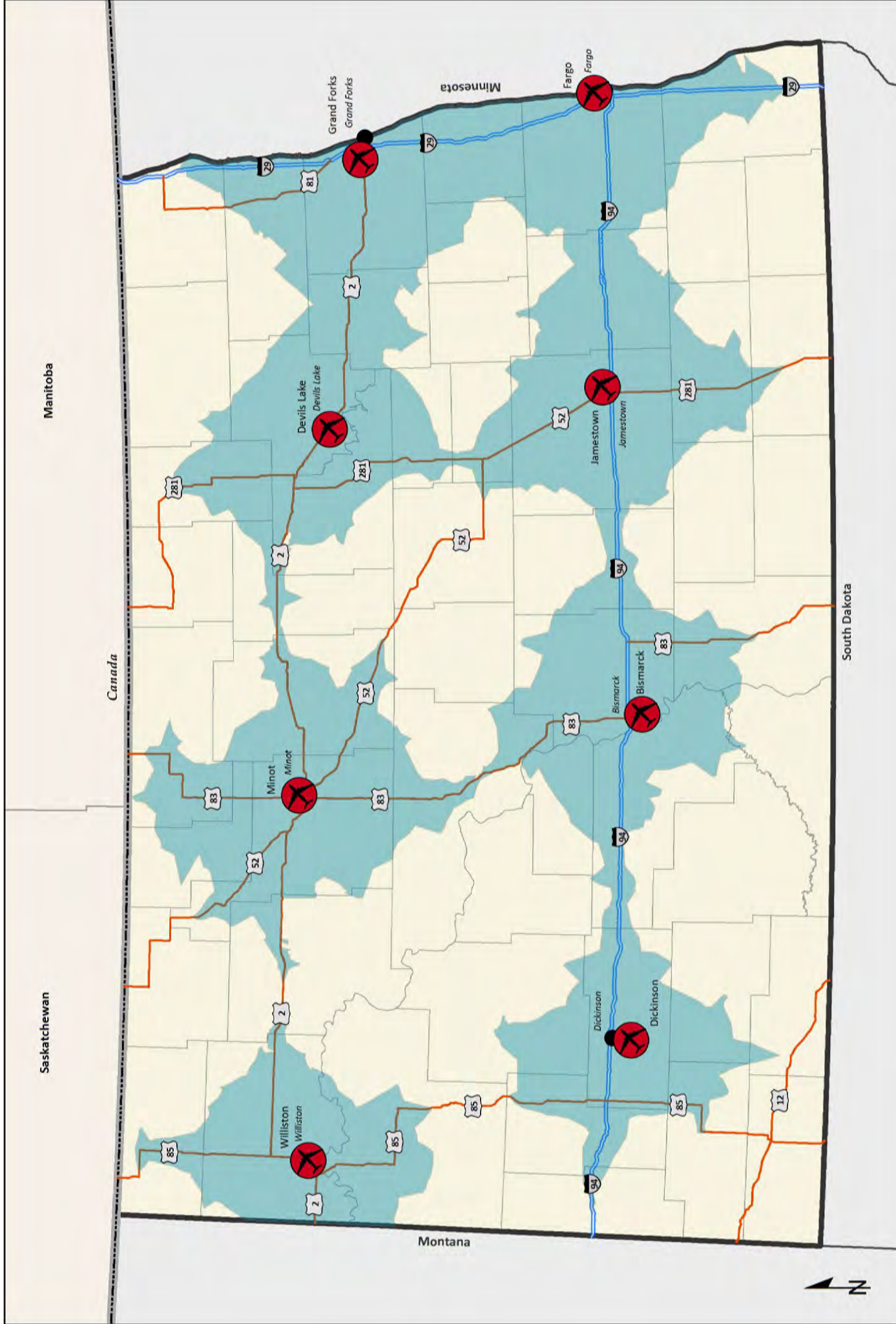
- Hydro Power Dam
- Natural Gas Processing
- Petroleum Refinery
- Coal-based Generation
- Lignite Mine
- Wind Farm
- Biofuel
- Major City
- County Boundary

Locations of Energy Plants in North Dakota

Source: Great Plains Energy Corridor, the U.S. Energy Information Administration, and the U.S. Geological Survey.

CHAPTER 5 – MAPS

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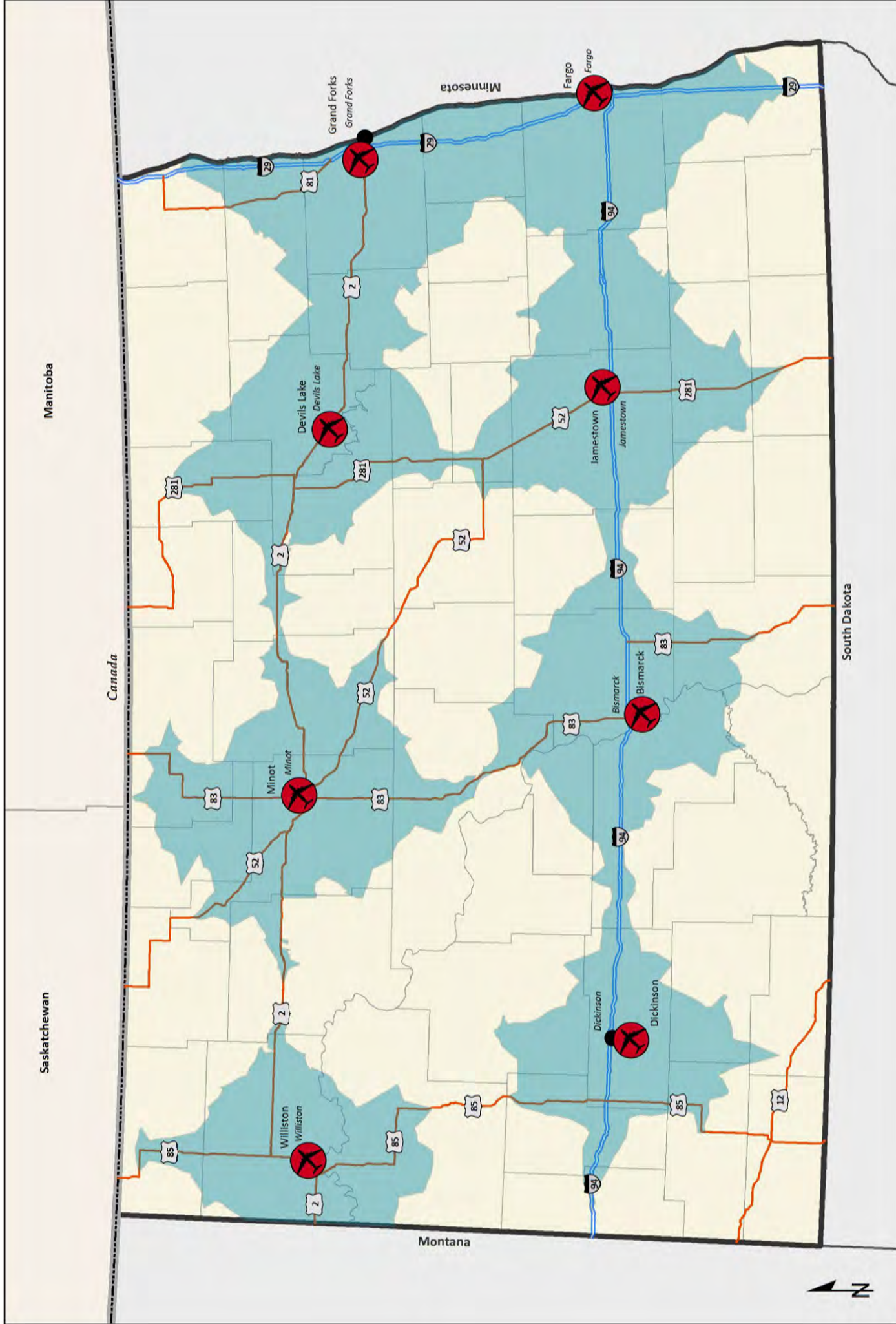


Legend

Percent of North Dakota
 2013 Population **80%**
 Land Area **40%**

Percent of Area and Population
 within 60 Minutes of a
 Commercial Service Airport

Note: Population data from Woods & Poole



Legend

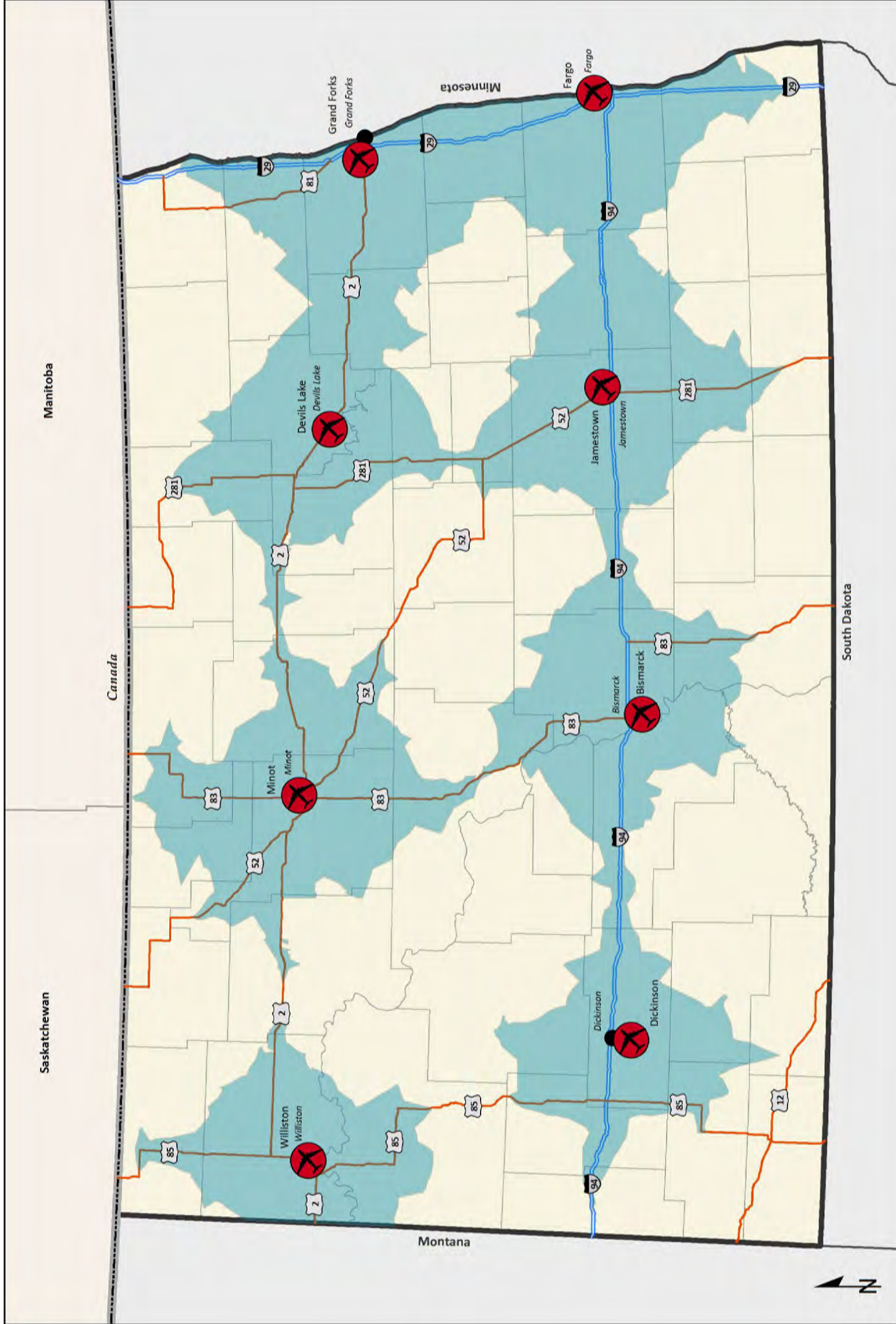
- Commercial Service
- Major City
- County Boundary
- 60 minute Drive Time

Percent of North Dakota

2018 Population	Land Area
81%	40%

Percent of Area and Population within 60 Minutes of a Commercial Service Airport

Note: Population data from Woods & Poole



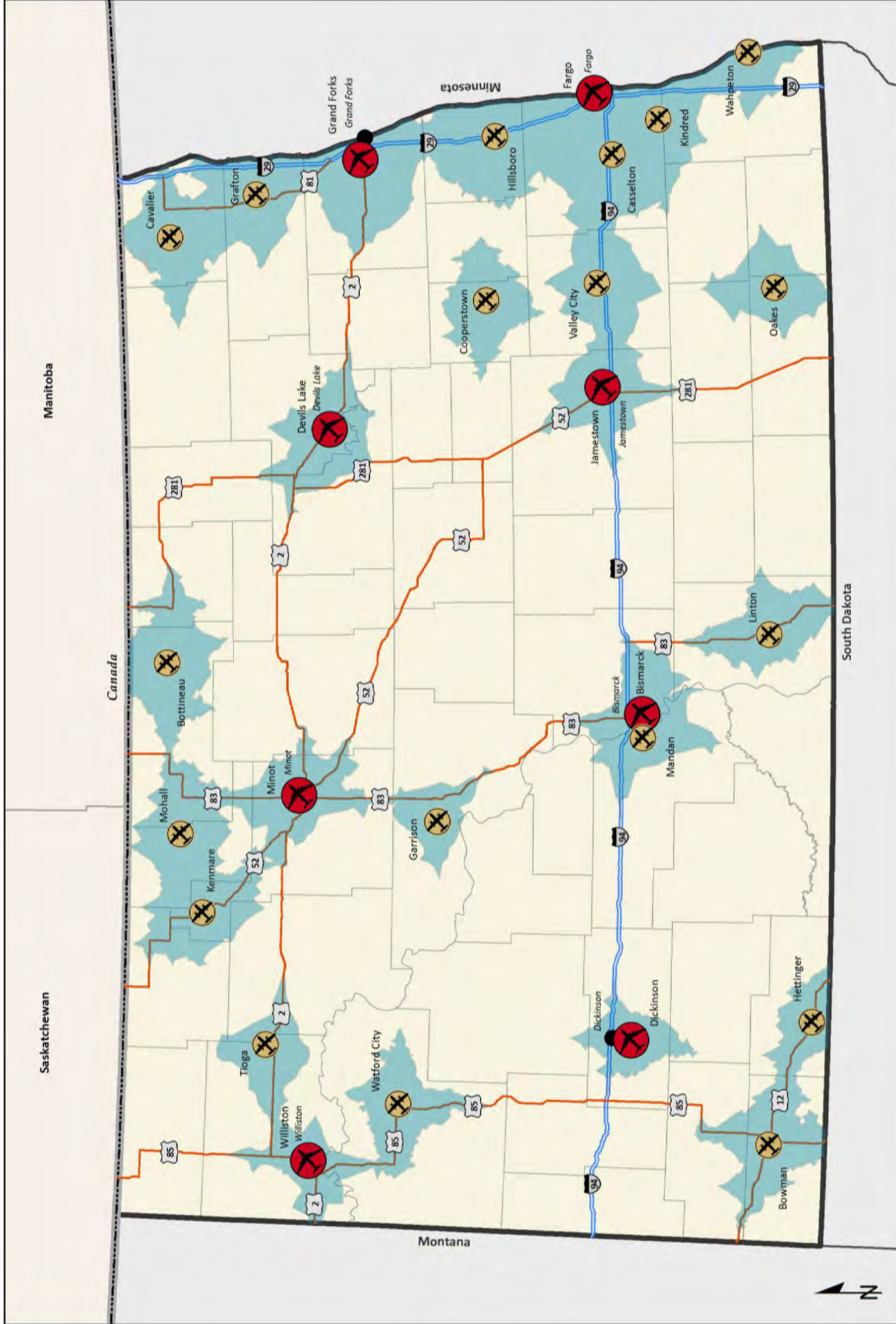
Legend

- Commercial Service
- Major City
- County Boundary
- 60 minute Drive Time

Percent of North Dakota
 2025 Population **82%**
 Land Area **40%**

Percent of Area and Population
 within 60 Minutes of a
 Commercial Service Airport

Note: Population data from Woods & Poole



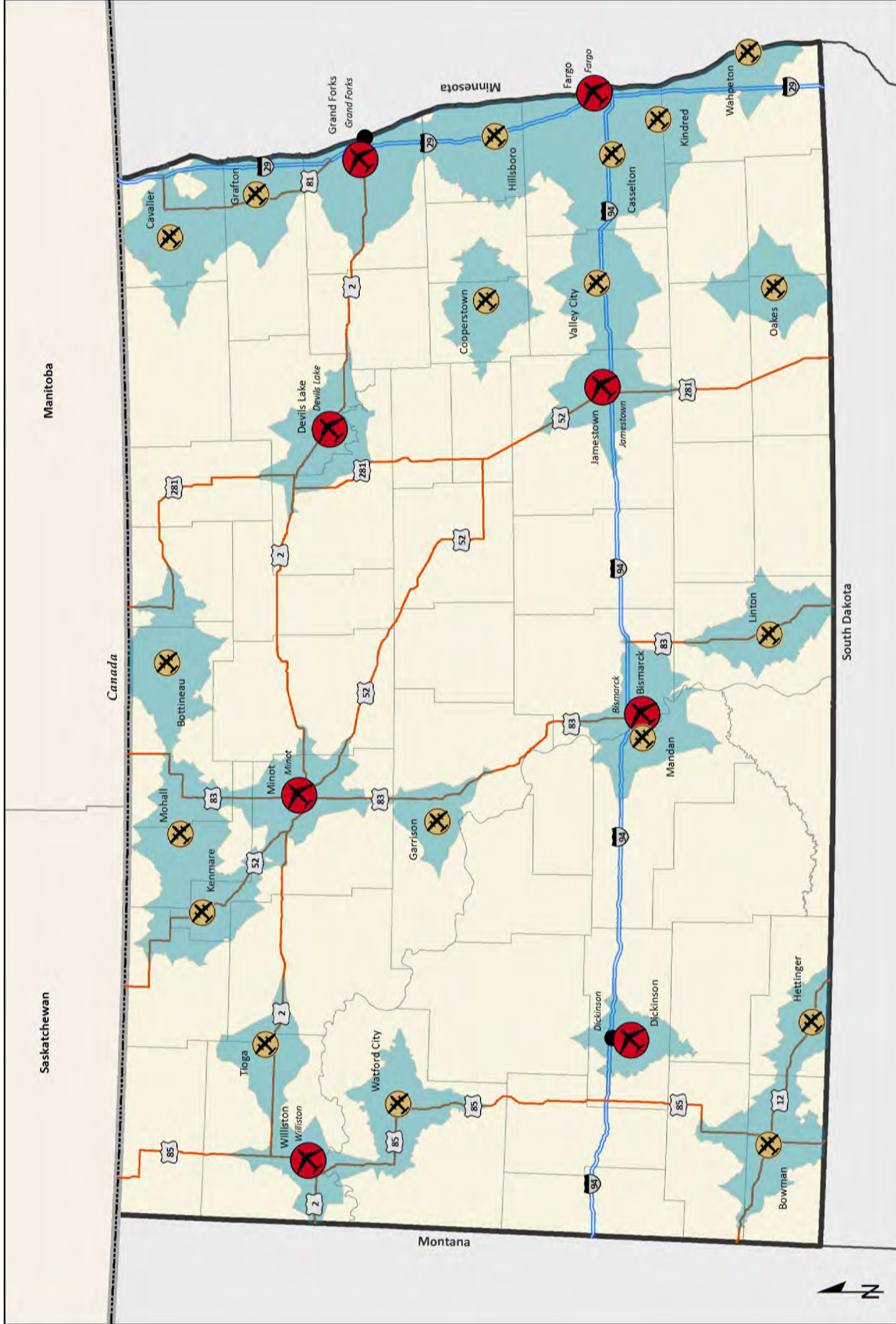
Percent of Area and Population within 30 Minutes of an Airport Classified as Local or Larger*

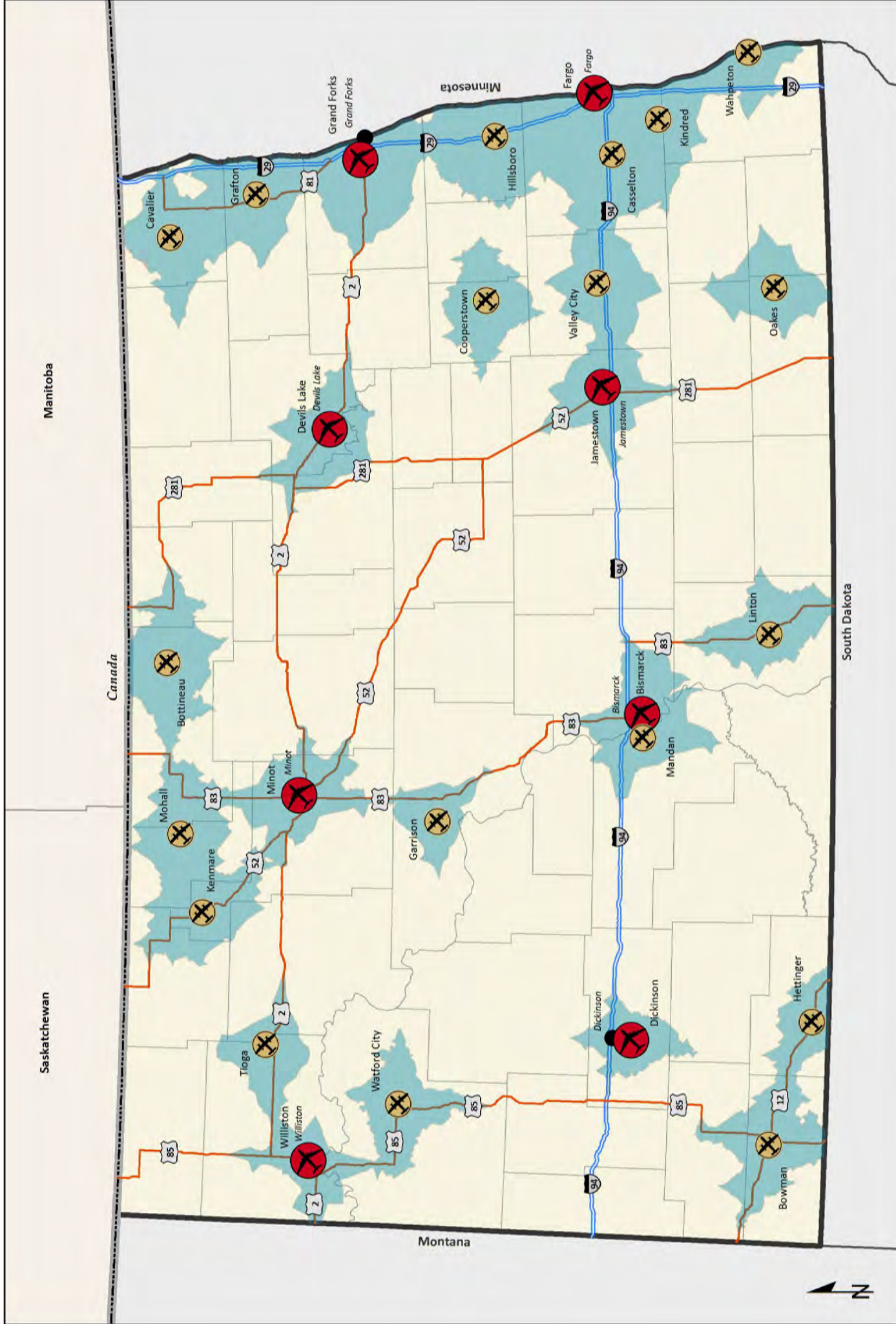
Percent of North Dakota	
2013 Population	Land Area
77%	24%

Legend

- Commercial (Primary and Non-Primary)
- Local
- Major City
- County Boundary
- 30 Minute Drive Time

Note: Population data from Woods & Poole; For the 2014 update of the North Dakota State Aviation System Plan, no airports were classified as regional.





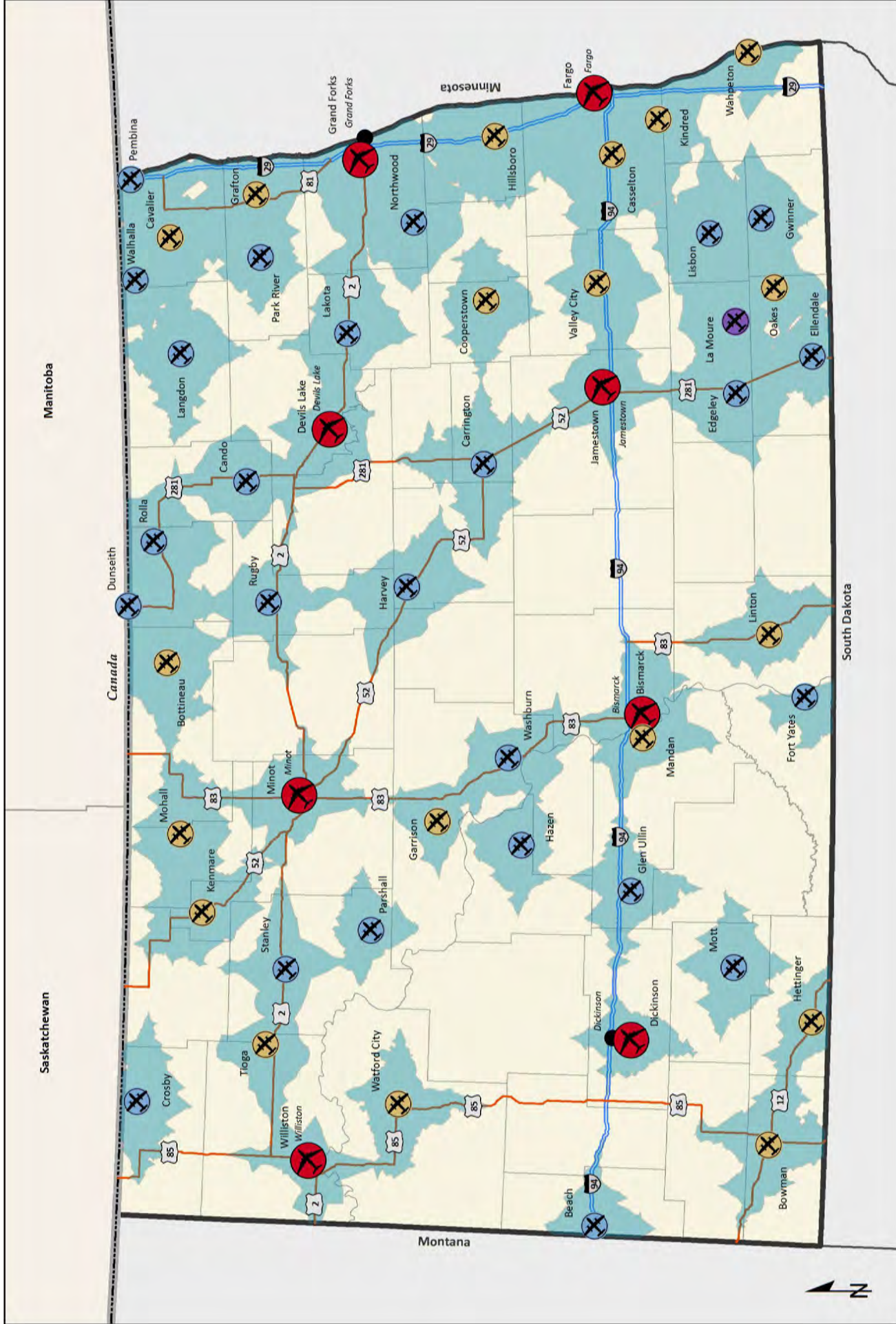
Legend

- Commercial (Primary and Non-Primary)
- Local
- Major City
- County Boundary
- 30 Minute Drive Time

Percent of North Dakota
2025 Population **79%**
Land Area **24%**

Percent of Area and Population
within 30 Minutes of an
Airport Classified as Local or Larger*

Note: Population data from Woods & Poole;
* For the 2014 update of the North Dakota State Aviation
System Plan, no airports were classified as regional.



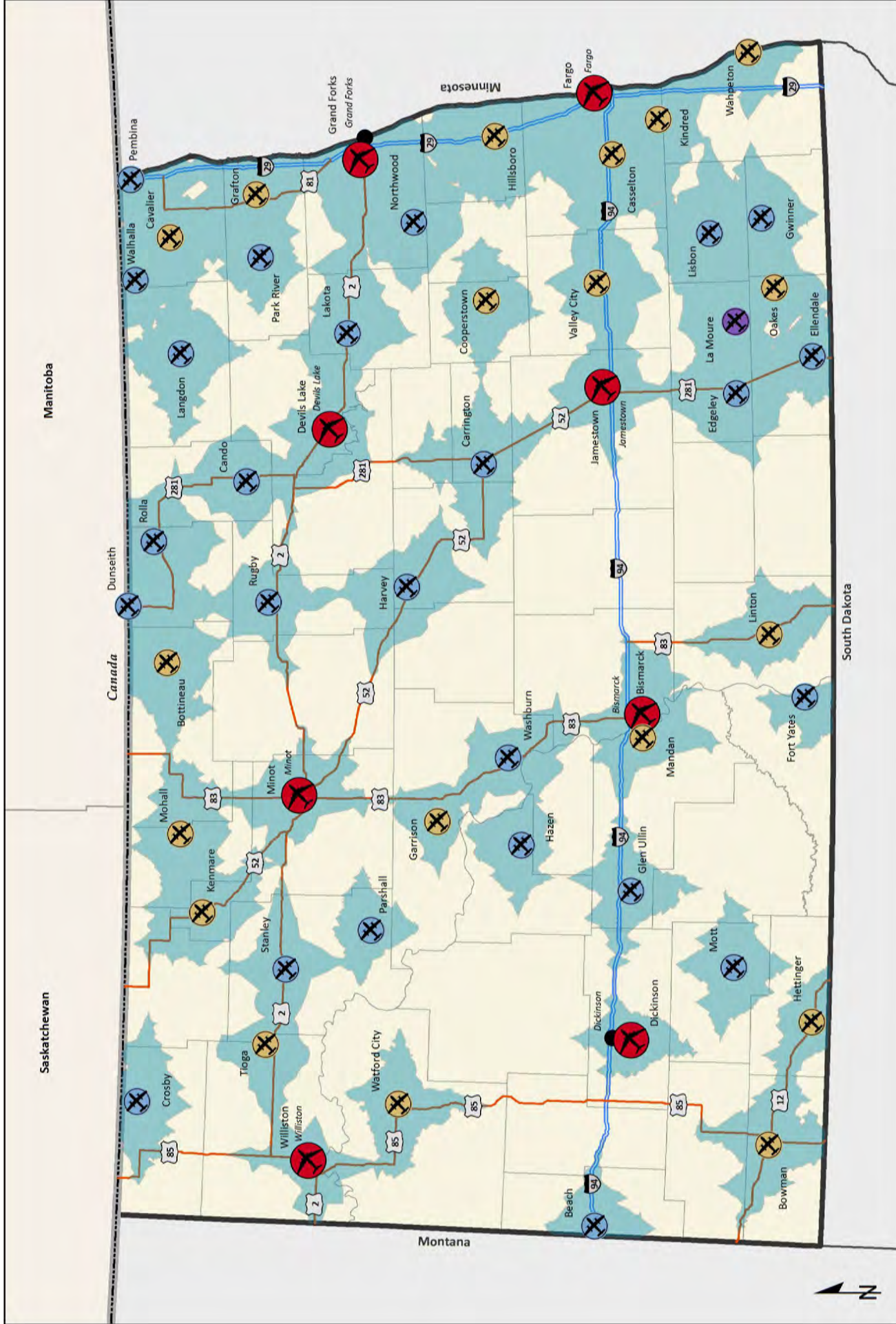
Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary

Percent of North Dakota	
2013 Population	Land Area
89%	43%

Percent of Area and Population within 30 Minutes of a NPIAS Airport

Note: Population data from Woods & Poole;
Source: Nat'l Plan of Integrated Airport Systems 2013-2017.



Percent of North Dakota

2025 Population	90%
Land Area	43%

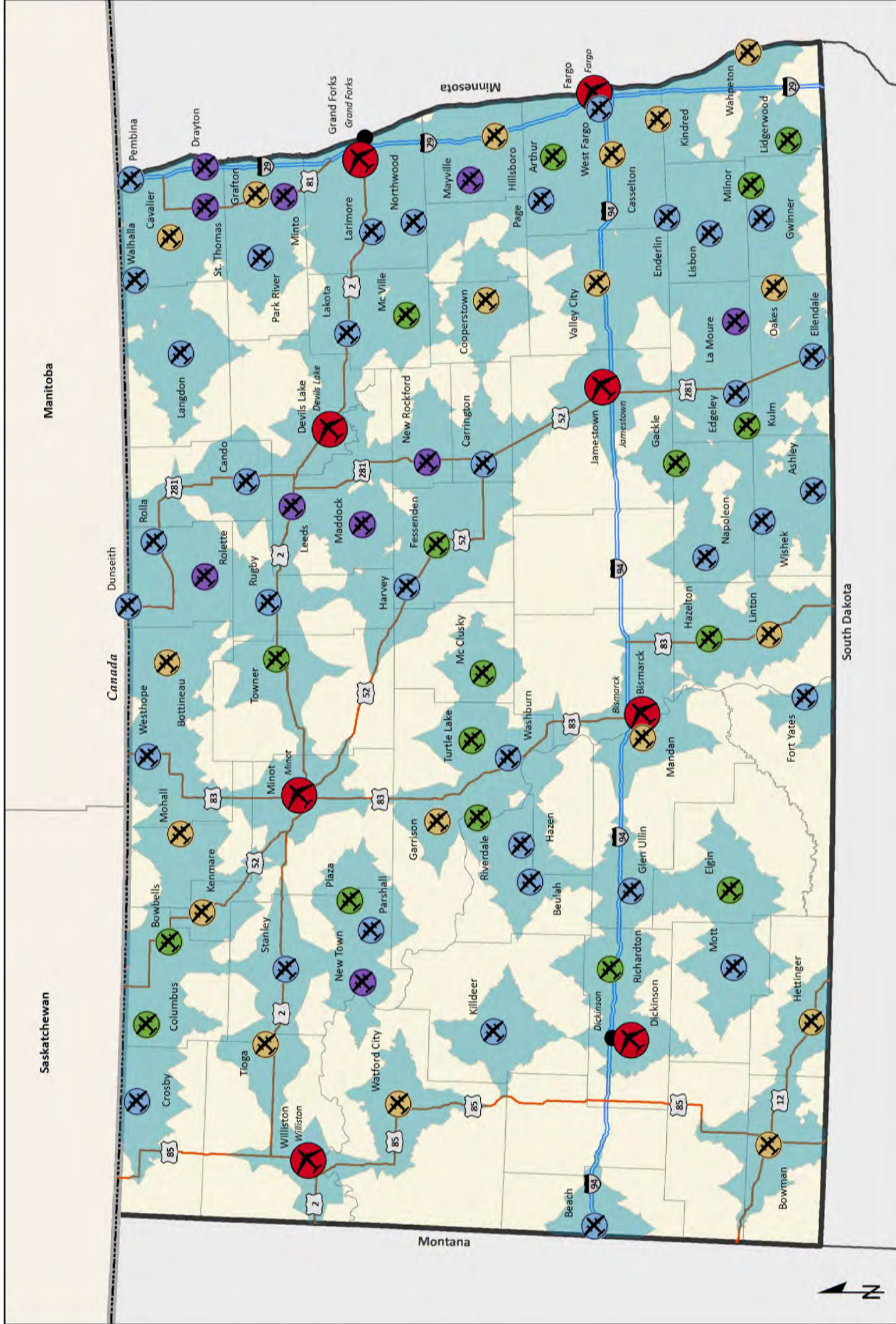
Percent of Area and Population within 30 Minutes of a NPIAS Airport

Note: Population data from Woods & Poole;

Source: Nat'l Plan of Integrated Airport Systems 2013-2017.

Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary



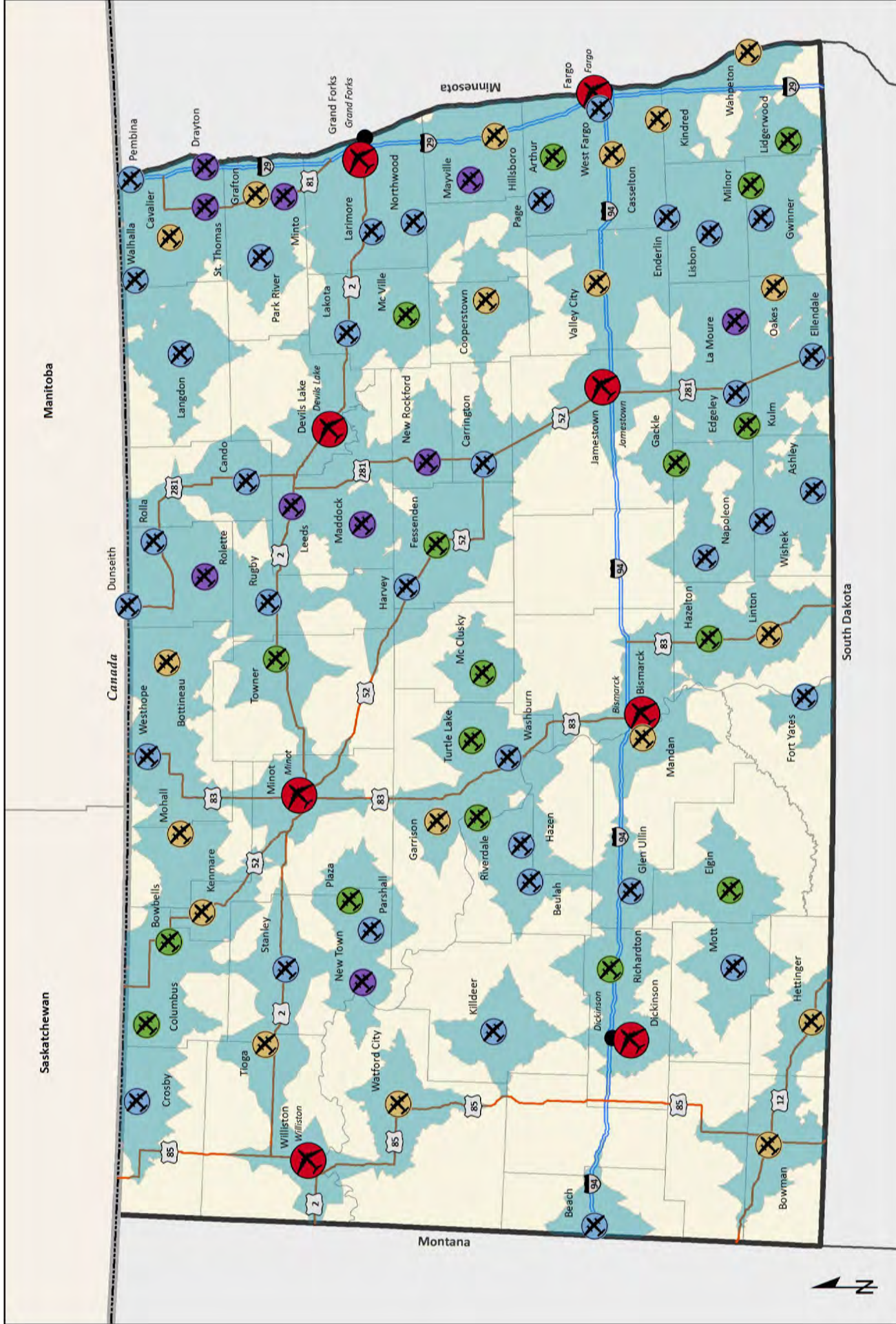
Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary

Percent of North Dakota	
2013 Population	93%
Land Area	58%

Percent of Area and Population within 30 Minutes of any Public Airport

Note: Population data from Woods & Poole



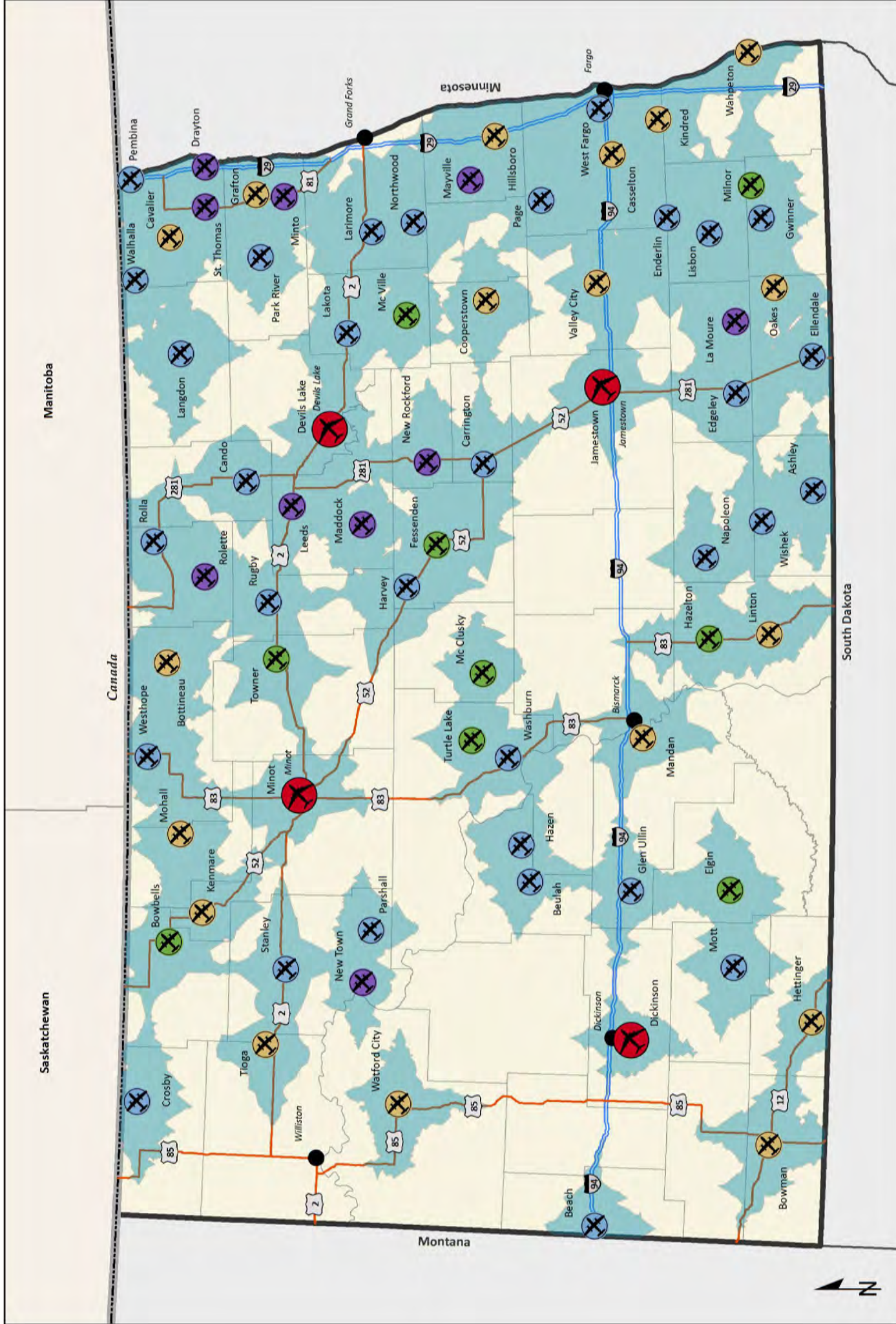
Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary

Percent of North Dakota	
2025 Population	Land Area
94%	58%

Percent of Area and Population within 30 Minutes of any Public Airport

Note: Population data from Woods & Poole



Legend

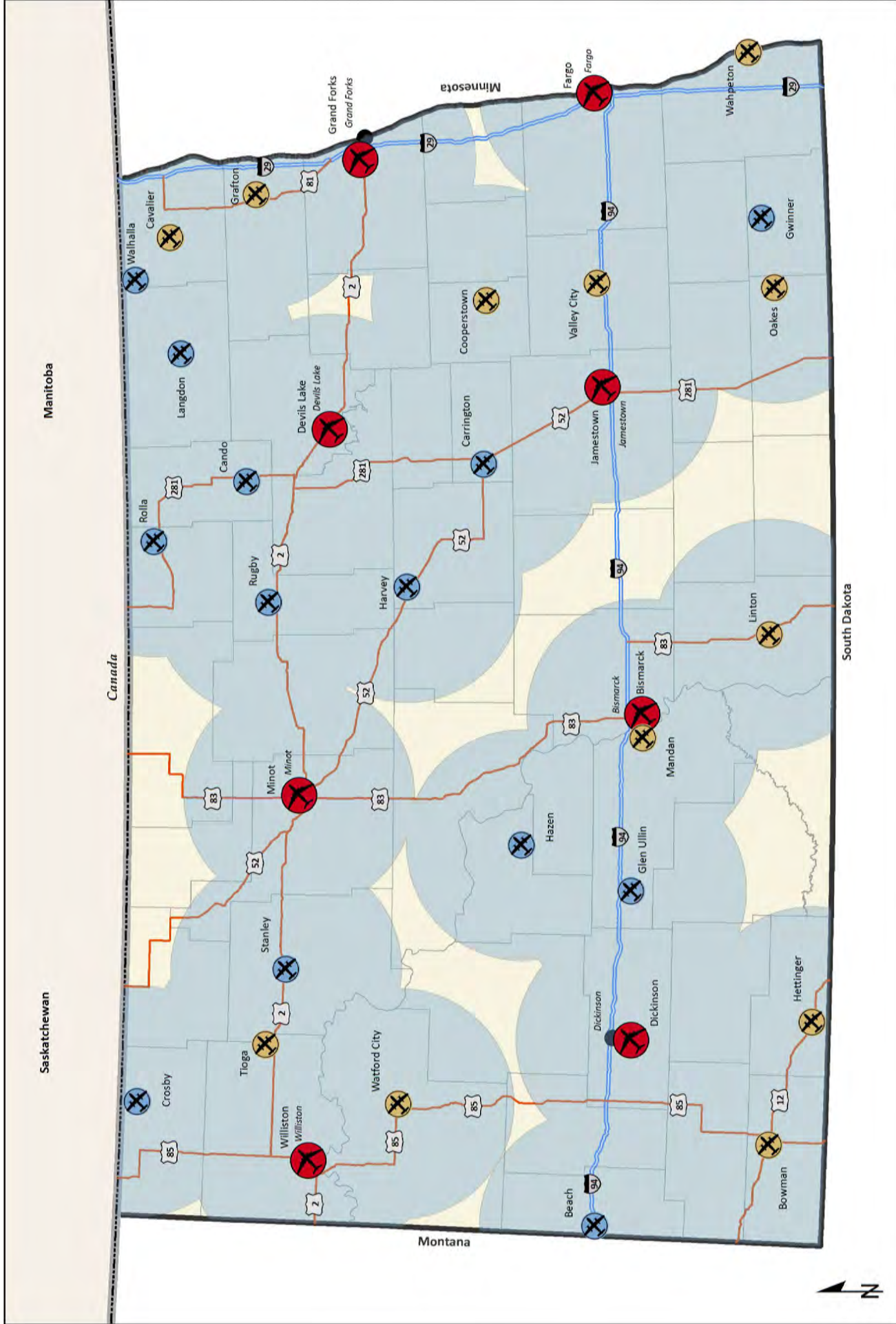
- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary

Percent of North Dakota

2013 Population	Land Area
81%	52%

Percent of Area and Population within 30 Minutes of an Airport Serving an Aerial Applicator

Note: Airport Manager Survey; Population data from Woods & Poole



Legend

- Commercial (Primary and Non-Primary)
- Basic
- Community Paved
- Local
- Major City
- 30 Nautical Miles
- County Boundary

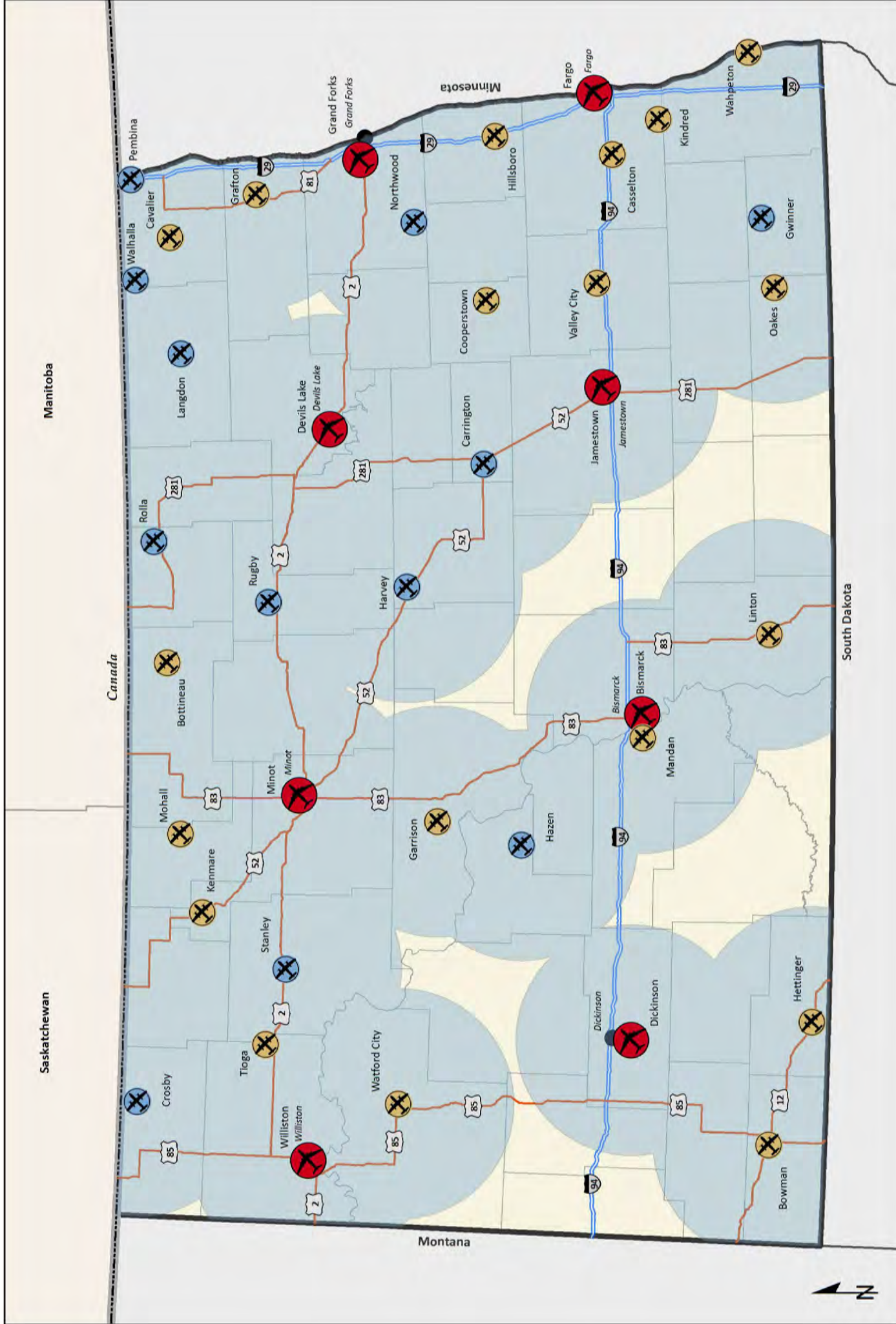
Percent of North Dakota
2013 Population

Land Area

97%

Percent of Area and Population
within 30 Nautical Miles of an Airport
with On-Site Weather Reporting

Note: Population data from Woods & Poole.
Source: North Dakota Airport Directory 2013 - 2014

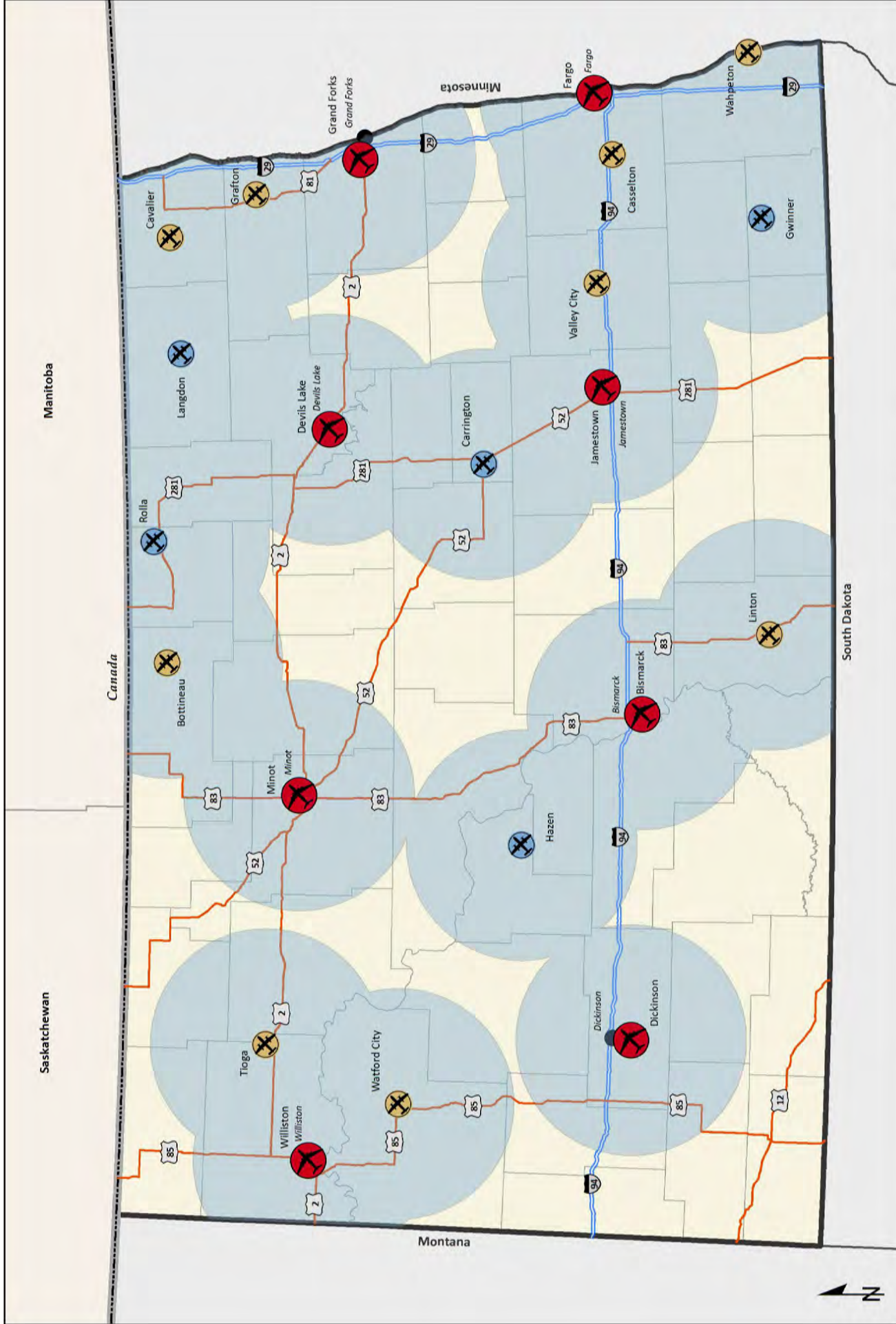


Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Nautical Miles
- County Boundary

Percent of North Dakota
 2013 Population **98%**
 Land Area **88%**

**Percent of Area and Population
 within 30 Nautical Miles of an Airport
 with a Non-Precision Approach**
 Note: Population data from Woods & Poole.
 Source: Airnav.com, confirmed through airport manager survey.

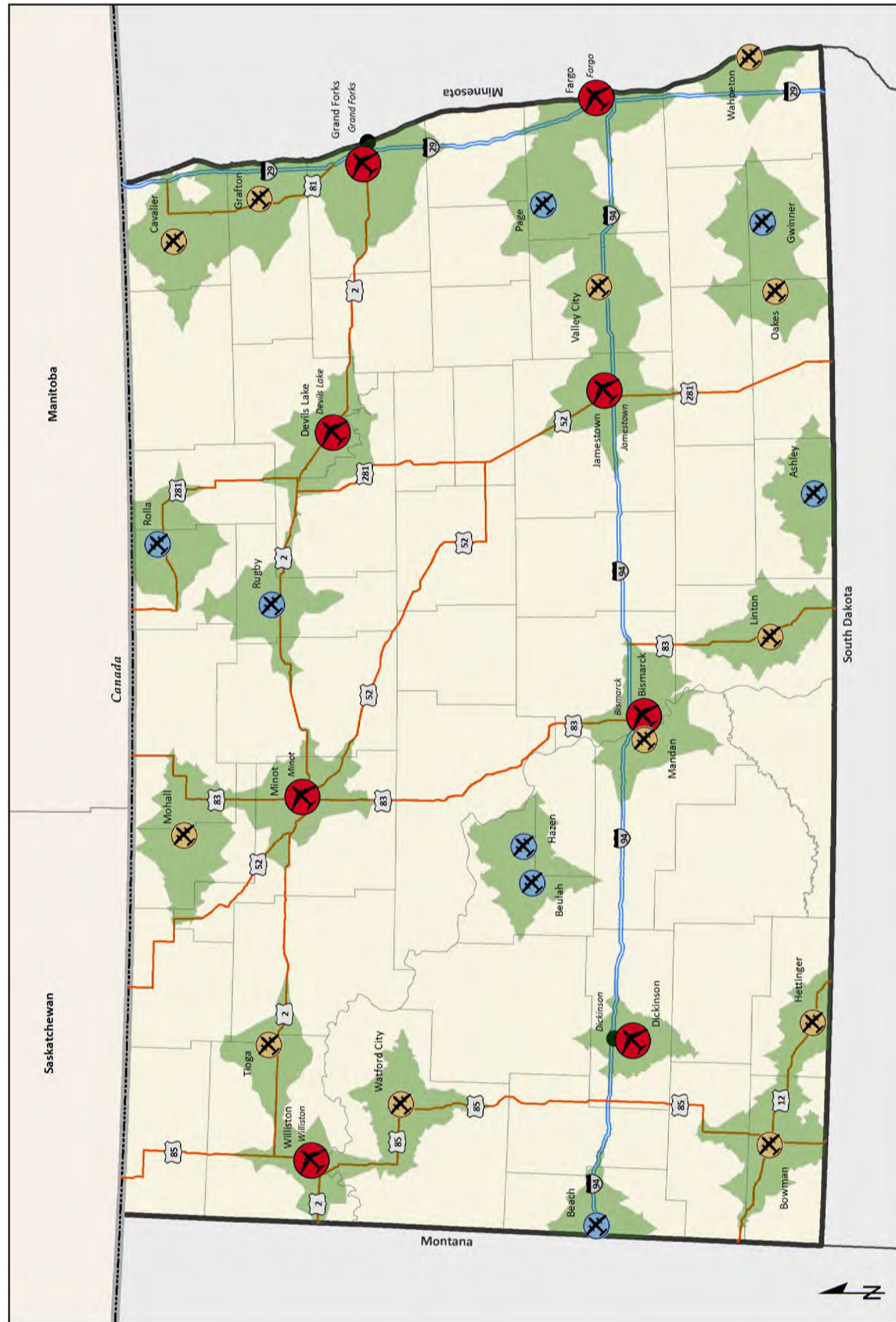


Percent of North Dakota

2013 Population	Land Area
92%	70%

Percent of Area and Population within 30 Nautical Miles of an Airport with a Vertically-Guided Approach

Note: Population data from Woods & Poole. Source: Airmavcom, confirmed through airport manager survey.



Legend

- Commercial (Primary and Non-Primary) Basic Local Community Paved Major City 30 minute Drive Time County Boundary

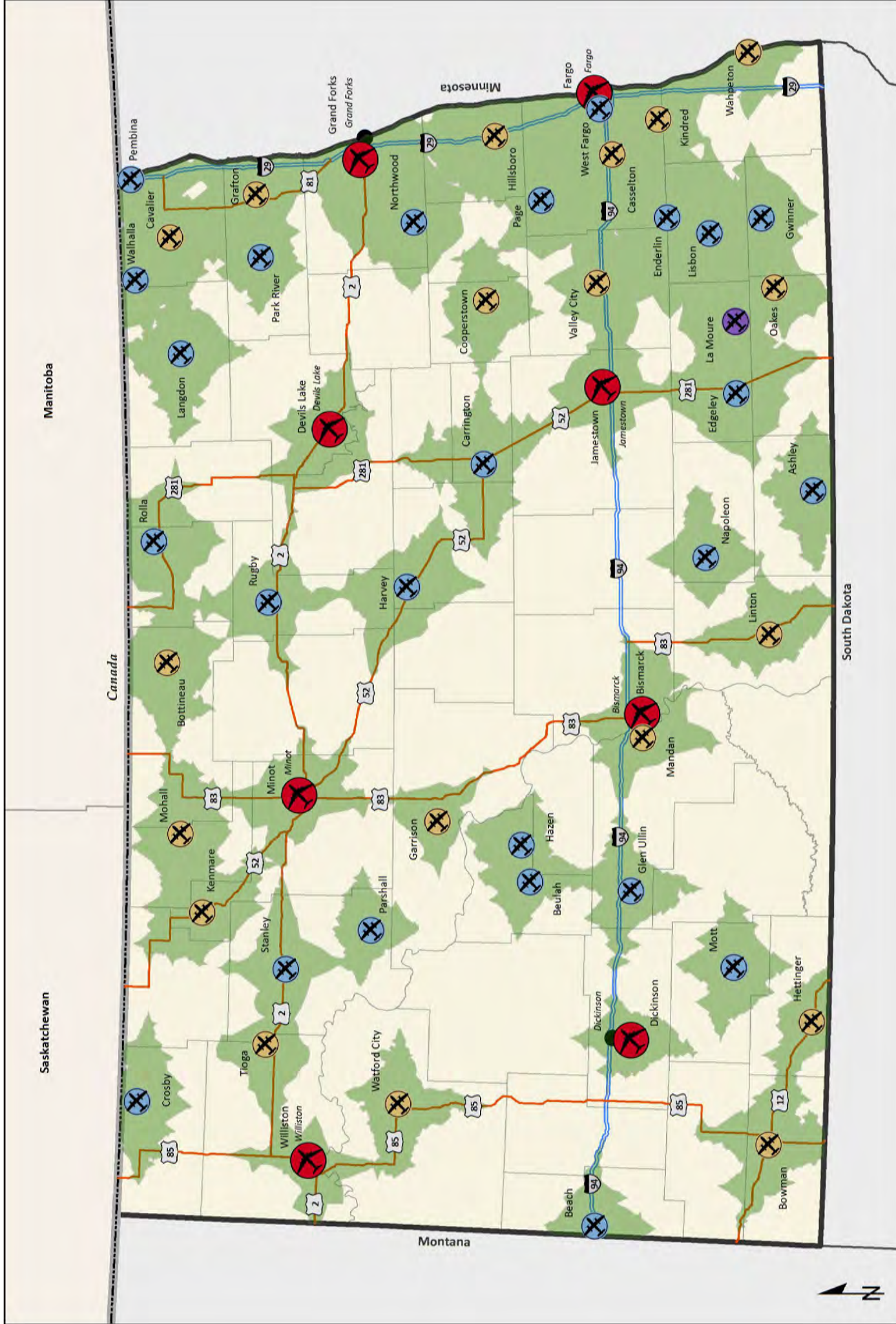
Percent of North Dakota

2013 Population Land Area

77% 24%

Land Area

77% 24%

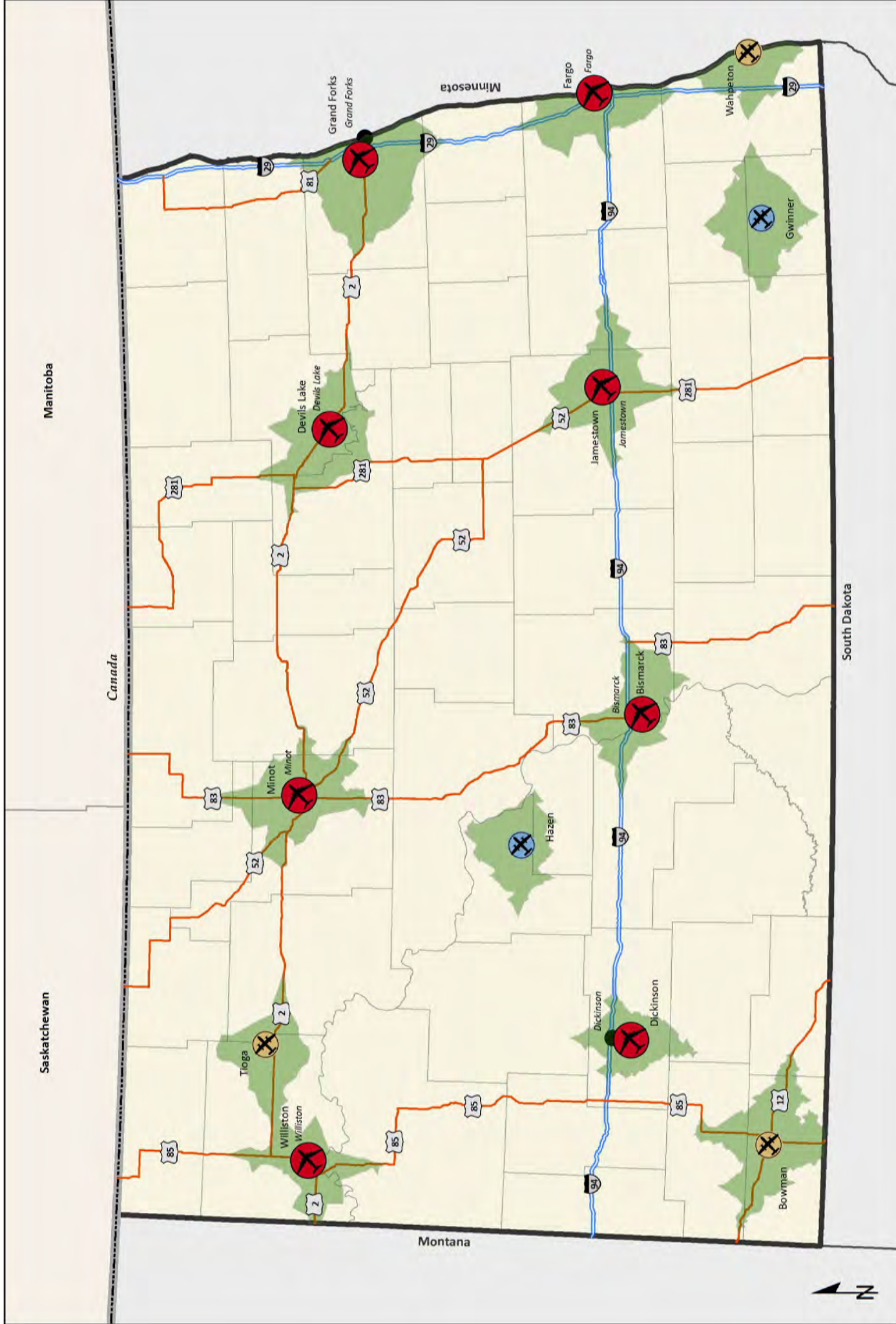


Percent of North Dakota

2013 Population	Land Area
88%	42%

Percent of Area and Population within 30 Minutes of 100LL Fuel

Note: Population data from Woods & Poole.
Source: Airnav.com, confirmed through airport manager survey.



Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary

Percent of North Dakota
2013 Population

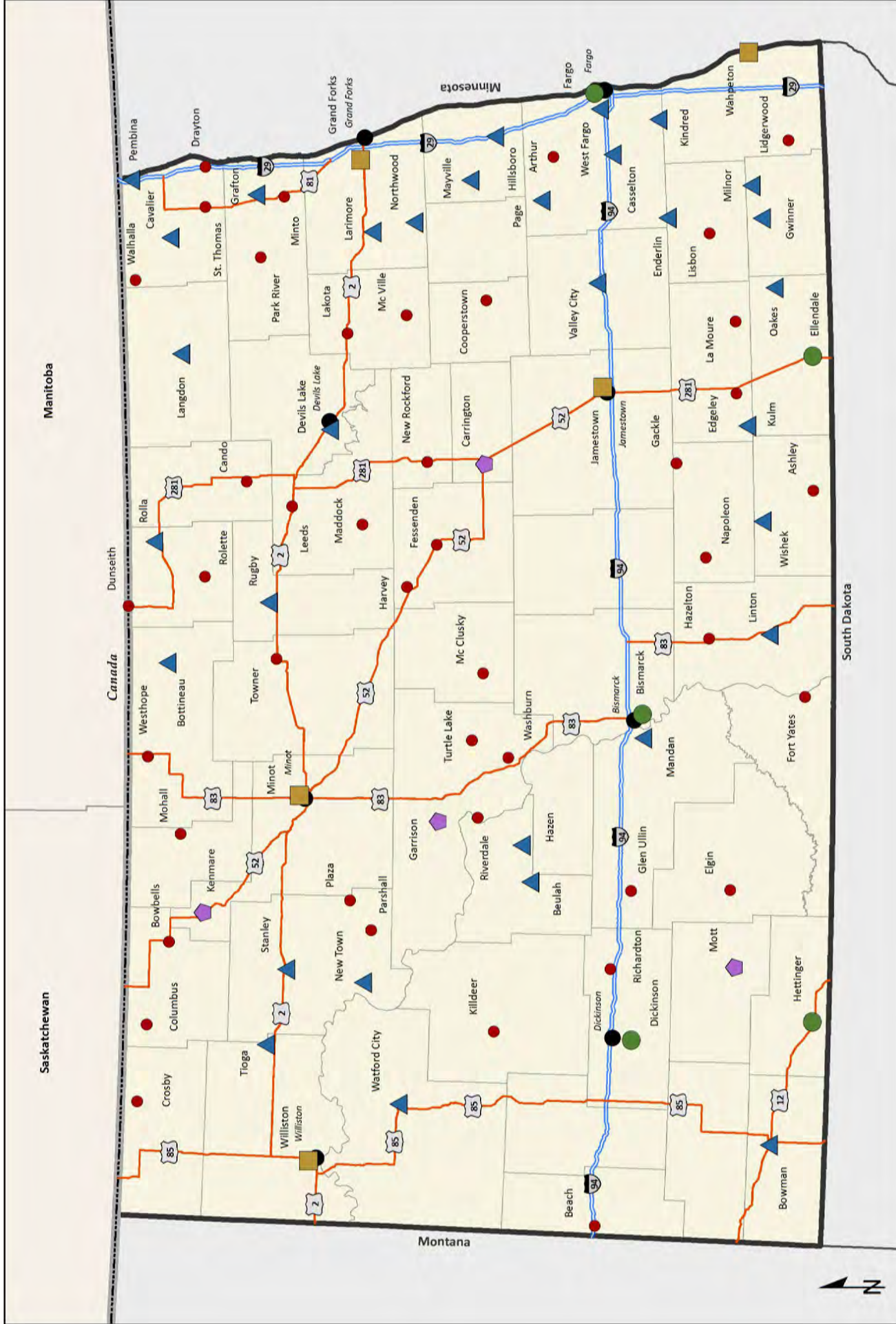
68%

Land Area

12%

Percent of Area and Population
within 30 Minutes of a
Large Aircraft Runway (5,000ft+) *

Note: Population data from Woods & Poole.
Source: Airmav.com, confirmed through airport manager survey.
* For the purposes of this performance measure, Hazen was included at 4,999 ft.

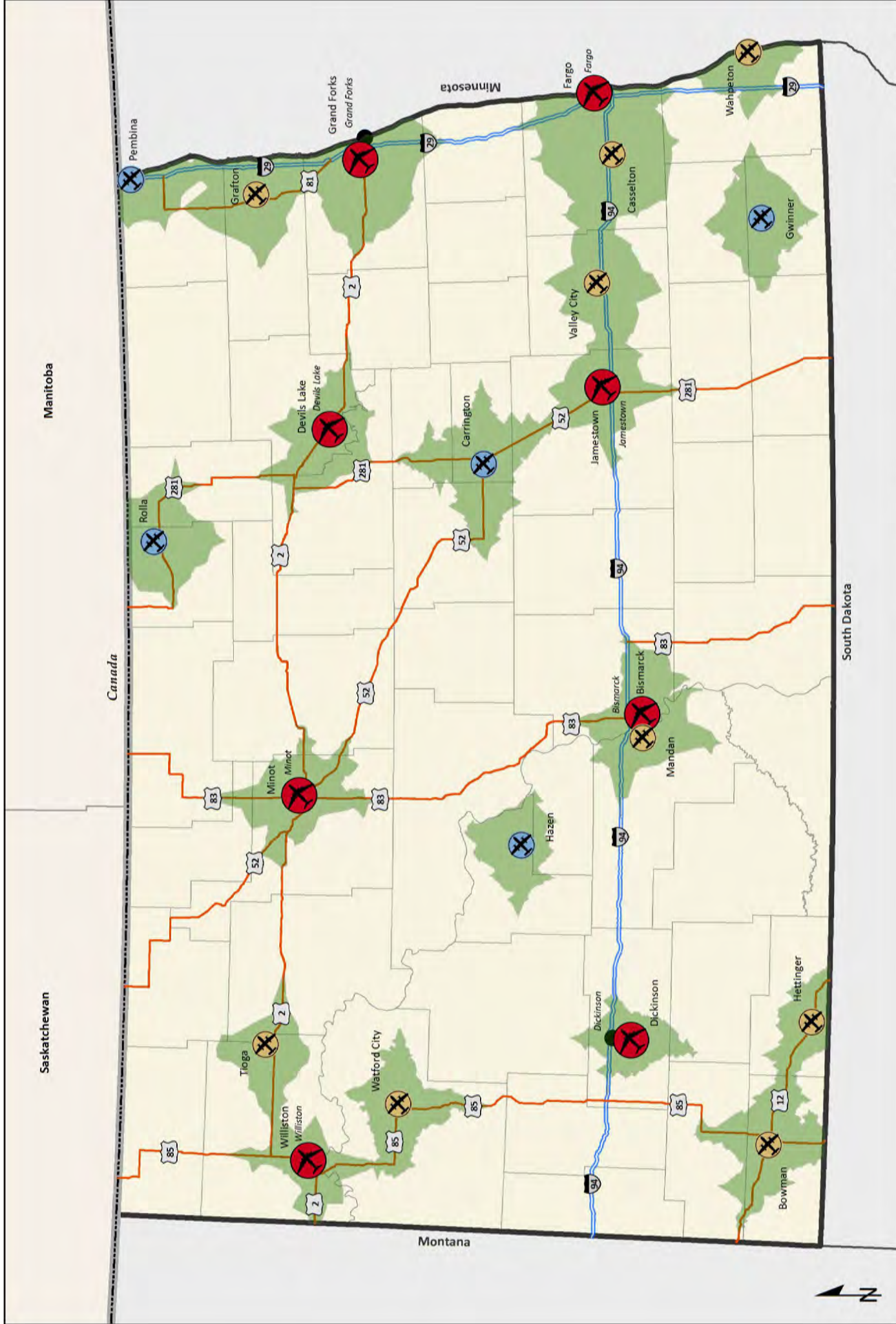


Legend

- Rental Car (5 airports)
- Courtesy Car (32 airports)
- No Ground Transportation (43 airports)
- Other (4 airports)
- Major City
- County Boundary

NDSASP Airports with Ground Transportation

Source: Airport Manager Survey.



Percent of North Dakota

2013 Population

76%

Percent of Area and Population within 30 Minutes of Airport Supporting King Air Aircraft*

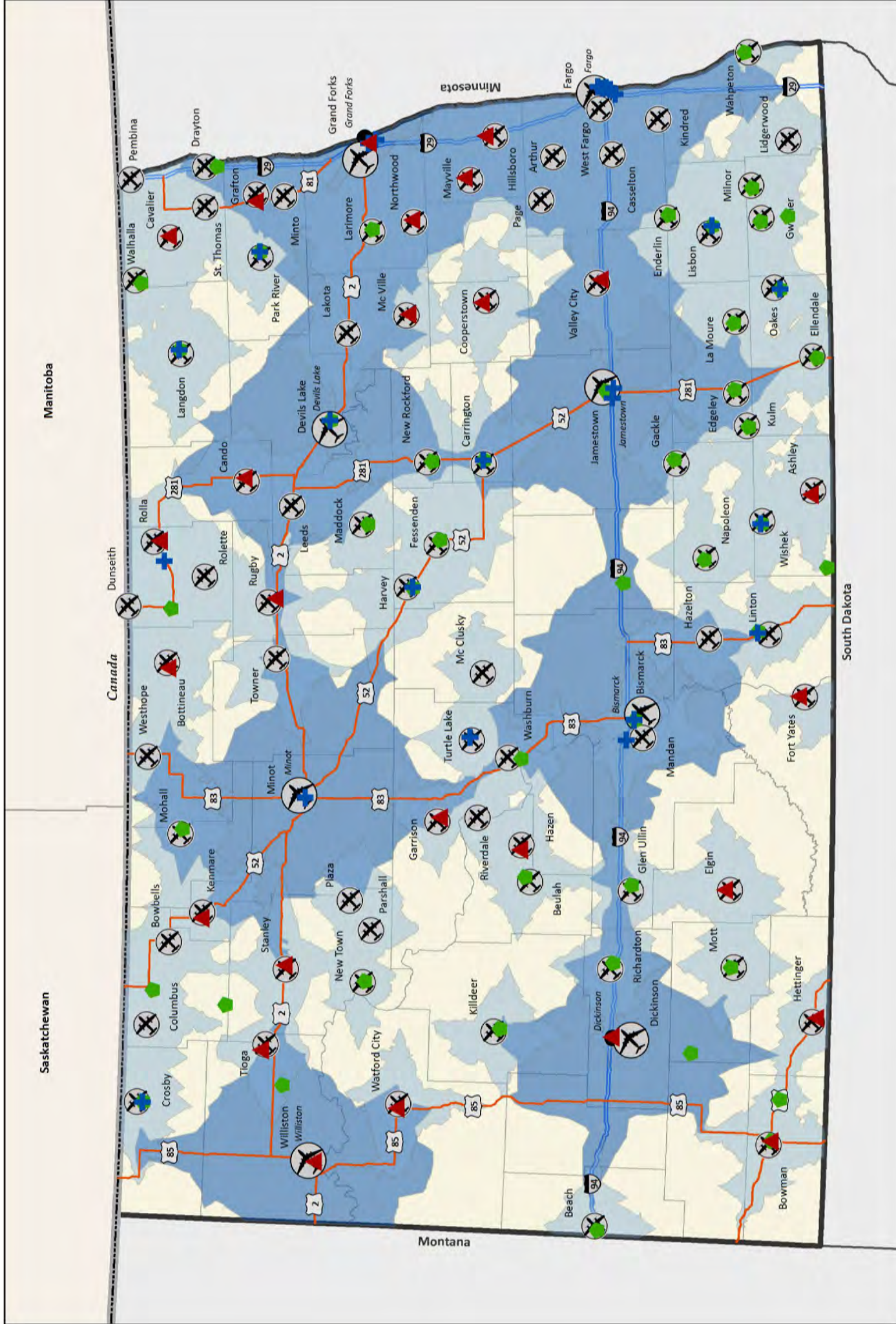
Land Area

19%

Legend

- Commercial (Primary and Non-Primary)
- Basic
- Community Paved
- Community Turf
- Local
- Major City
- 30 Minute Drive Time
- County Boundary

Note: Population data from Woods & Poole;
 * Capable airports have available runway lengths of 3,000+ft and a reference code of B-II or greater.



Legend

- Hospital/Clinic
- Hospital
- Clinic
- GA Airport
- Commercial (Primary and Non-Primary)
- Major City

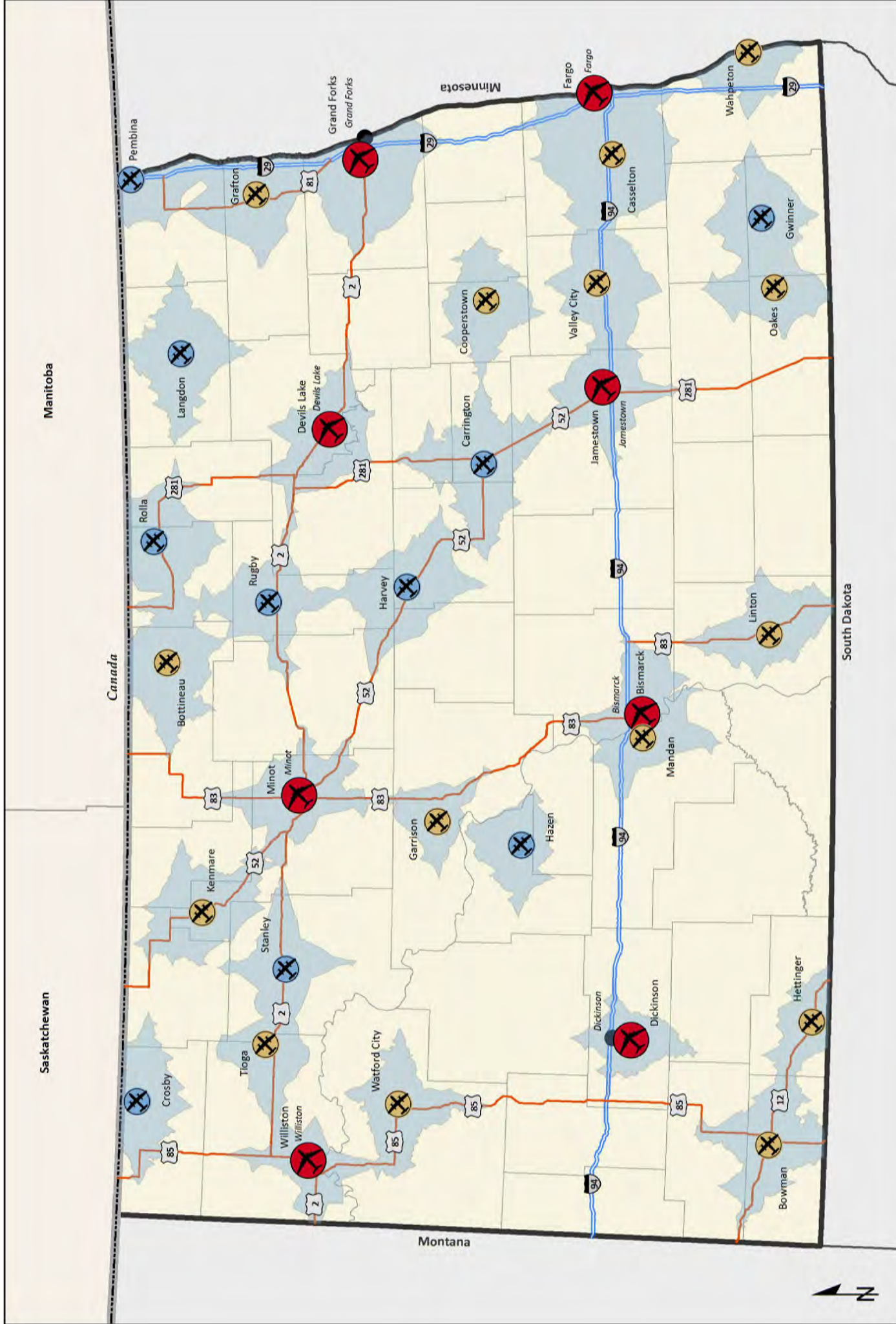
- 60 minute Drive Time
- 30 minute Drive Time
- County Boundary

Percent of North Dakota Communities

94%

Hospitals and Clinics within Service Area of a Public-Use Airport

Source: Hospital and clinic location data from North Dakota Department of Commerce.



Legend

- Commercial (Primary and Non-Primary)
- Basic
- Community Paved
- Local

- Major City
- 30 Minute Drive Time
- County Boundary

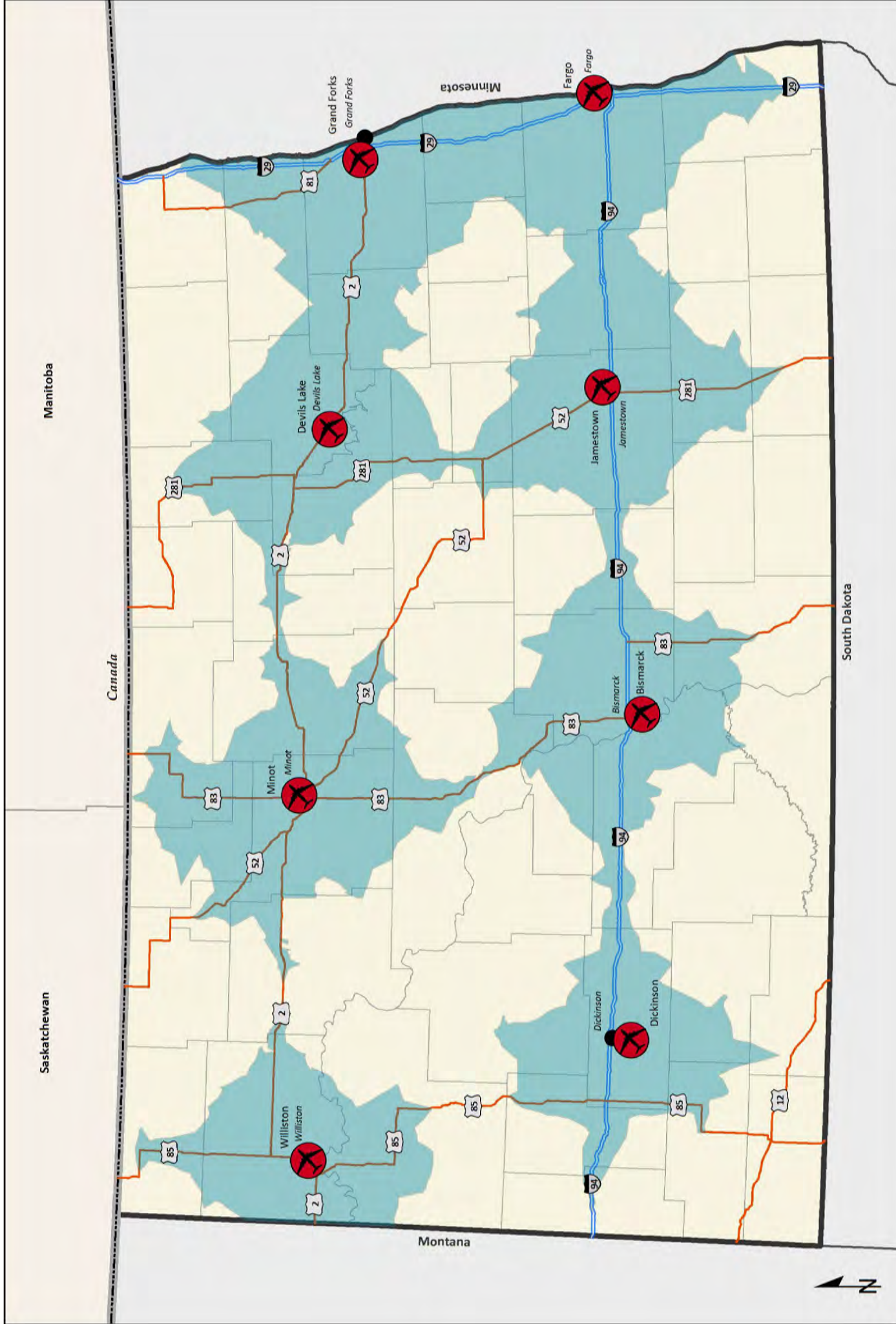
Percent of North Dakota
2013 Population **81%**
Land Area **29%**

Percent of Area and Population within 30 Minutes
of an Airport Capable of Supporting Fixed-Wing
Emergency Operations*
Note: Population data from Woods & Poole;
* Capable airports have available runway lengths of 3,500+ ft and a non-precision approach.

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CHAPTER 7 – MAPS

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Percent of North Dakota

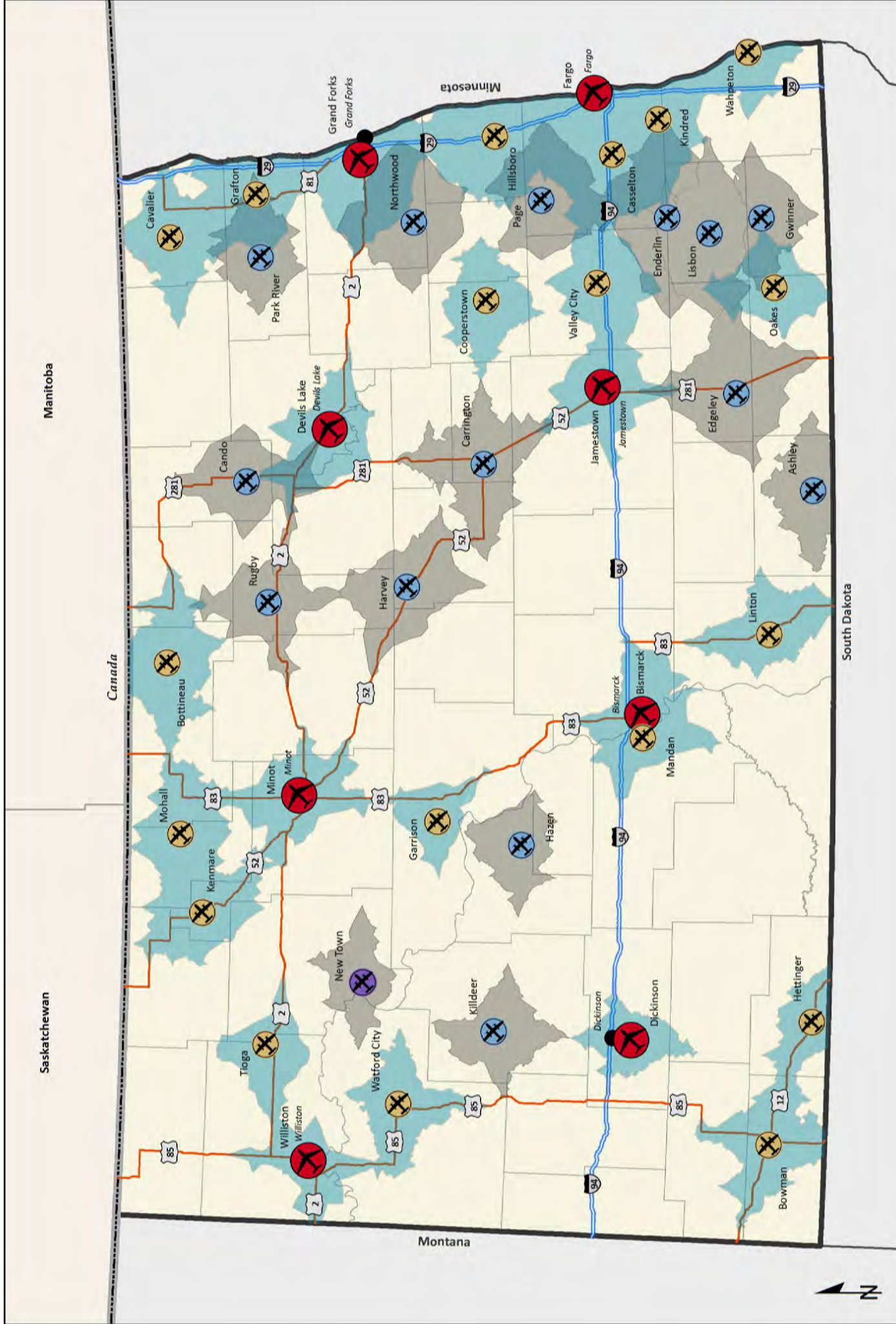
2025 Population	Land Area
82%	40%

Percent of Area and Population within 60 Minutes of a Commercial Service Airport

Legend

- Commercial Service
- Major City
- County Boundary
- 60 minute Drive Time

Note: Population data from Woods & Poole



Legend

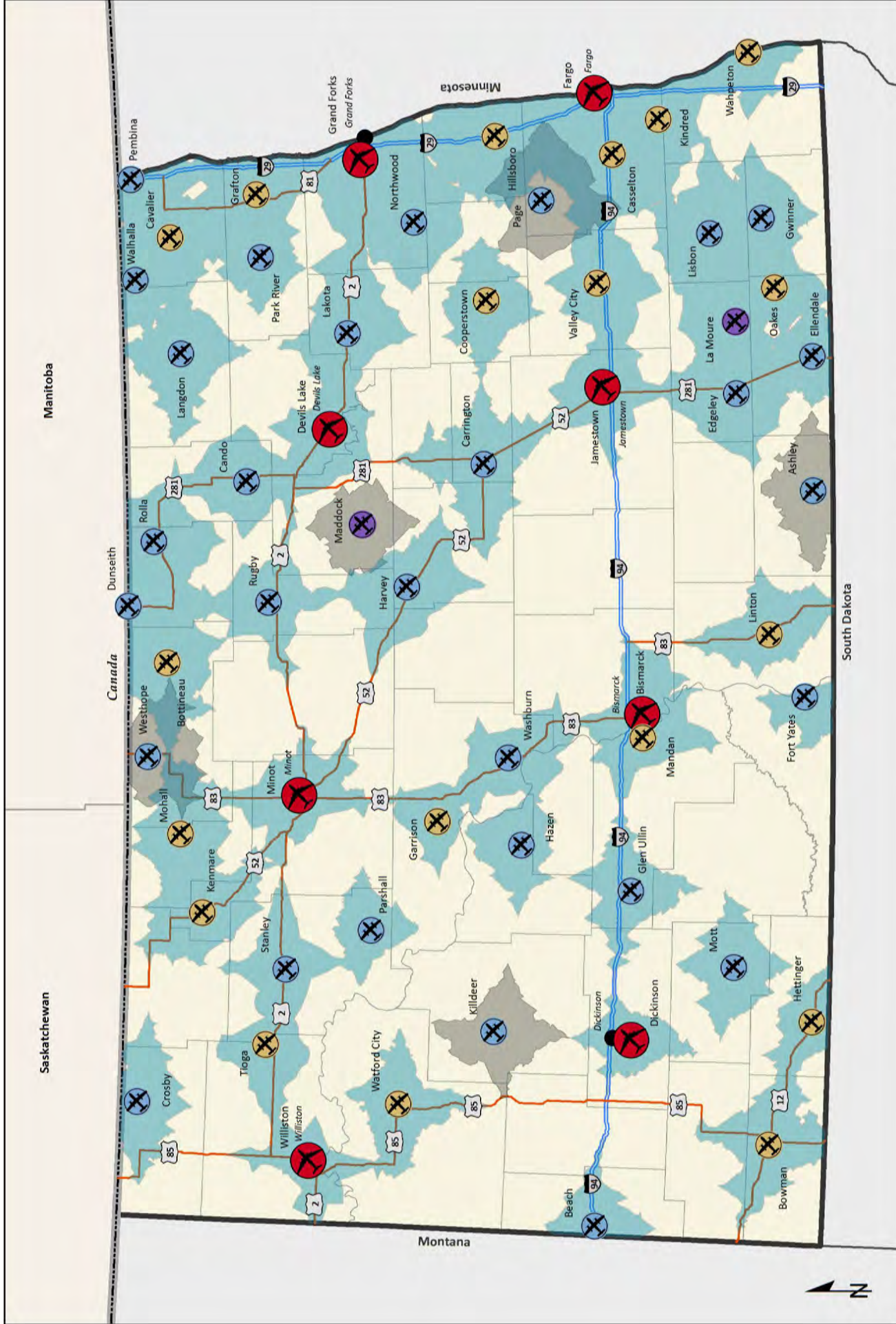
- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary
- Coverage of Recommended Airports

Percent of North Dakota

2013 Population	Land Area
77%	24%
84%	37%

Percent of Area and Population within 30 Minutes of an Airport Classified as Local or Larger*

Note: Population data from Woods & Poole; System Plan, no airports were classified as regional.



Legend



Community Paved
Community Turf

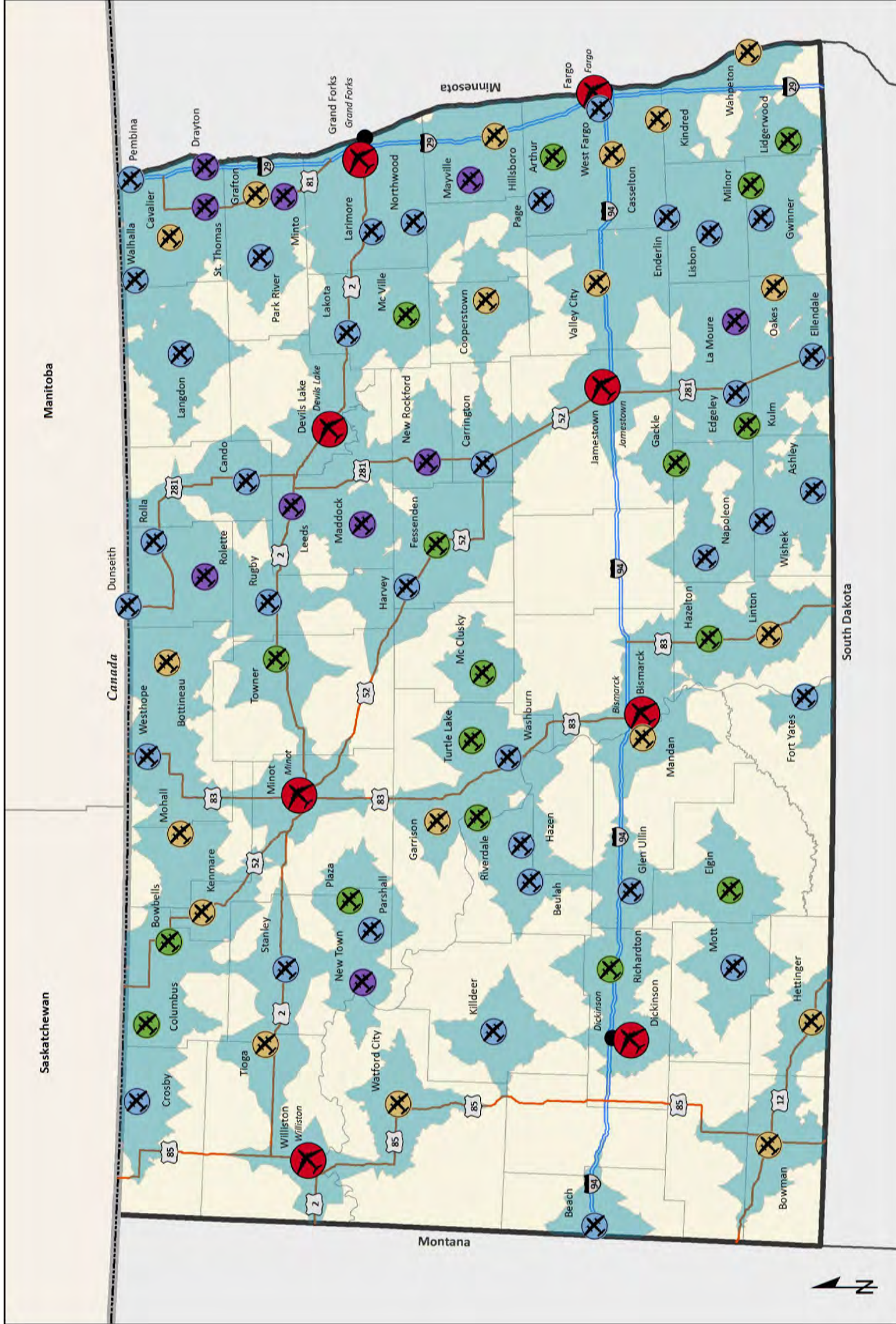
Major City
30 Minute Drive Time
County Boundary

Coverage of Recommended Airports

Percent of North Dakota	
2013 Population	Land Area
89%	43%
90%	46%
Future Current	

Percent of Area and Population within 30 Minutes of a NPIAS Airport

Note: Population data from Woods & Poole;
Source: Nat'l Plan of Integrated Airport Systems 2013-2017.



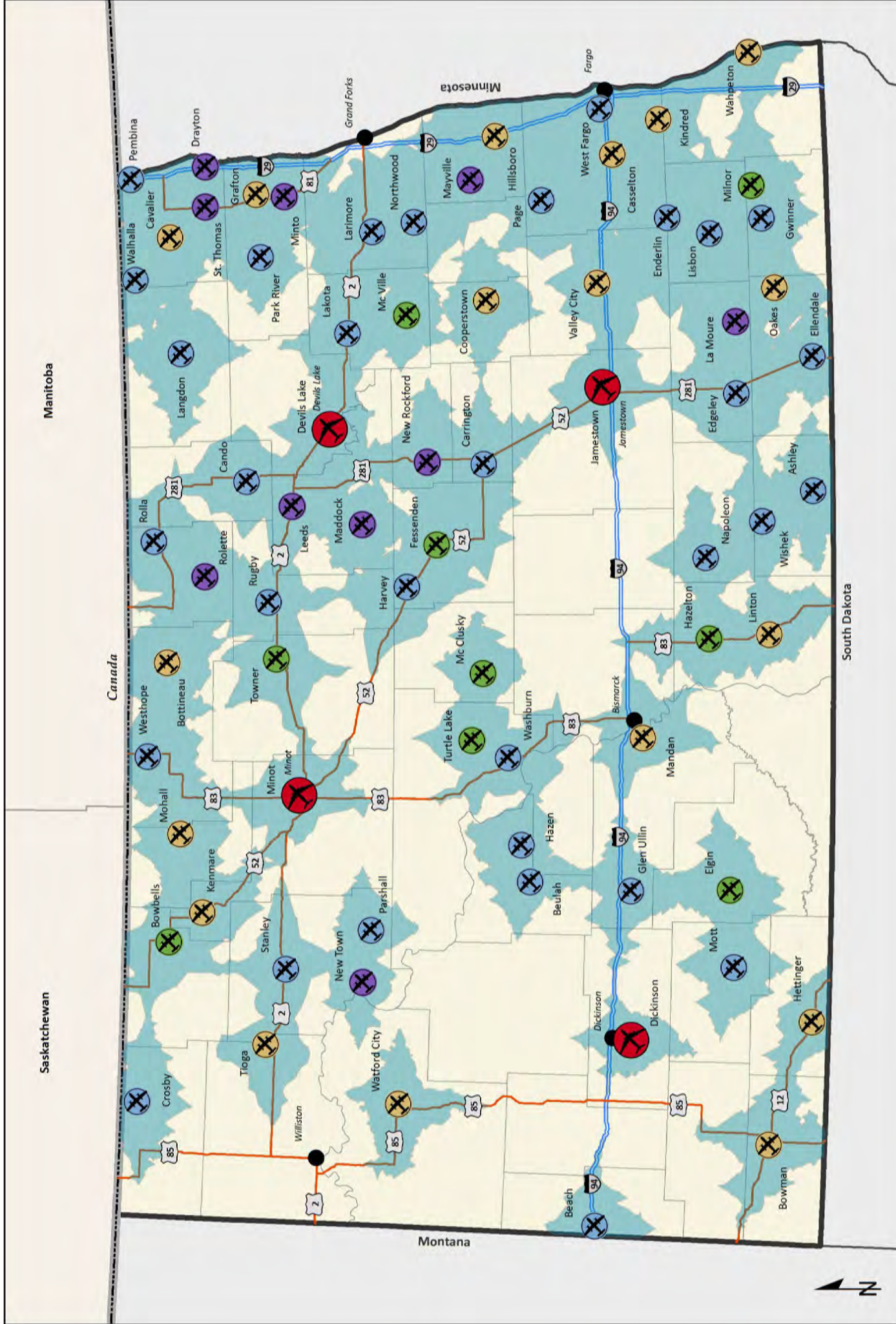
Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary

Percent of North Dakota	
2025 Population	Land Area
94%	58%

Percent of Area and Population within 30 Minutes of any Public Airport

Note: Population data from Woods & Poole



Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary

Percent of North Dakota
2013 Population

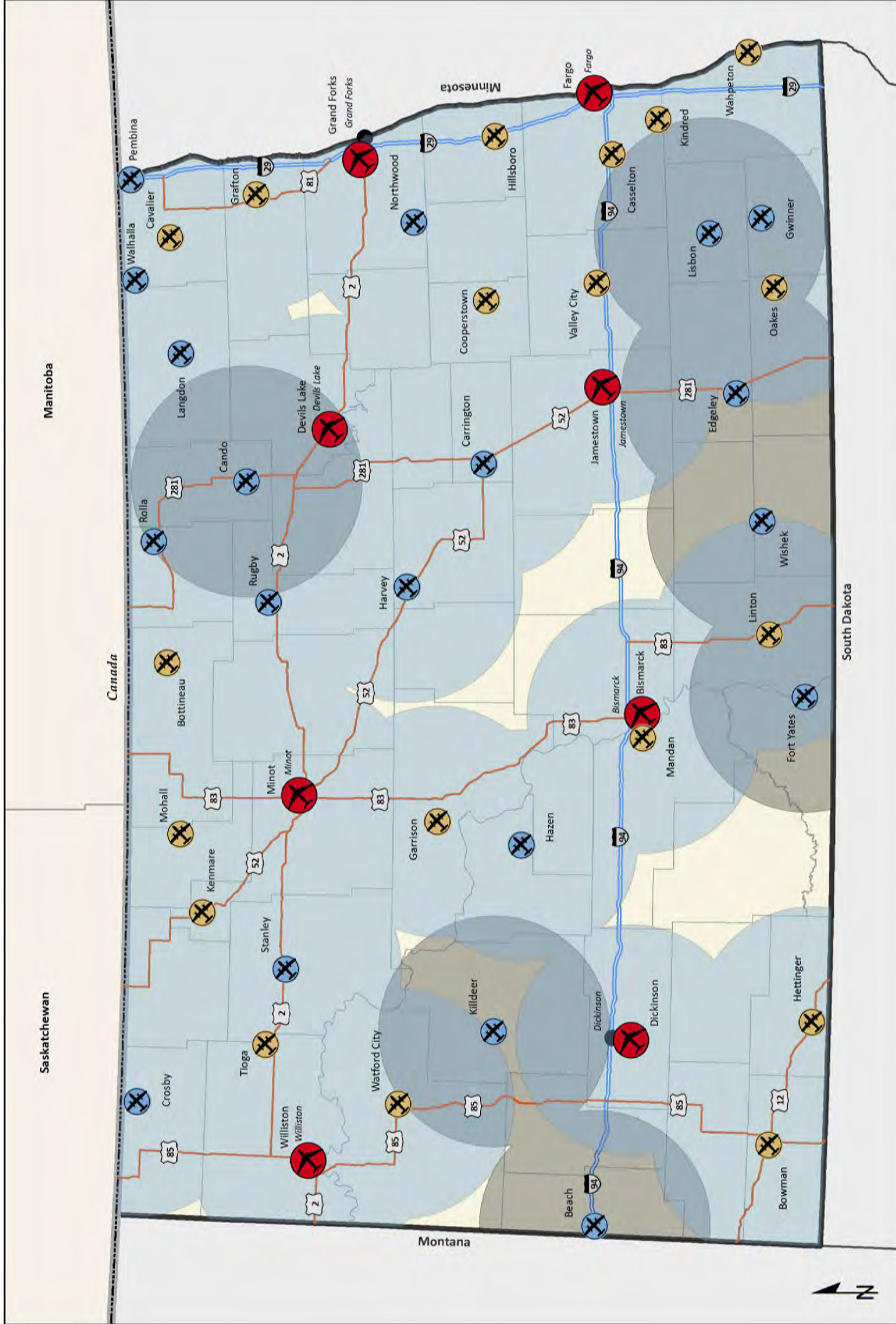
81%

Land Area

52%

**Percent of Area and Population
within 30 Minutes of an
Airport Serving an Aerial Applicator**

Note: Airport Manager Survey;
Population data from Woods & Poole



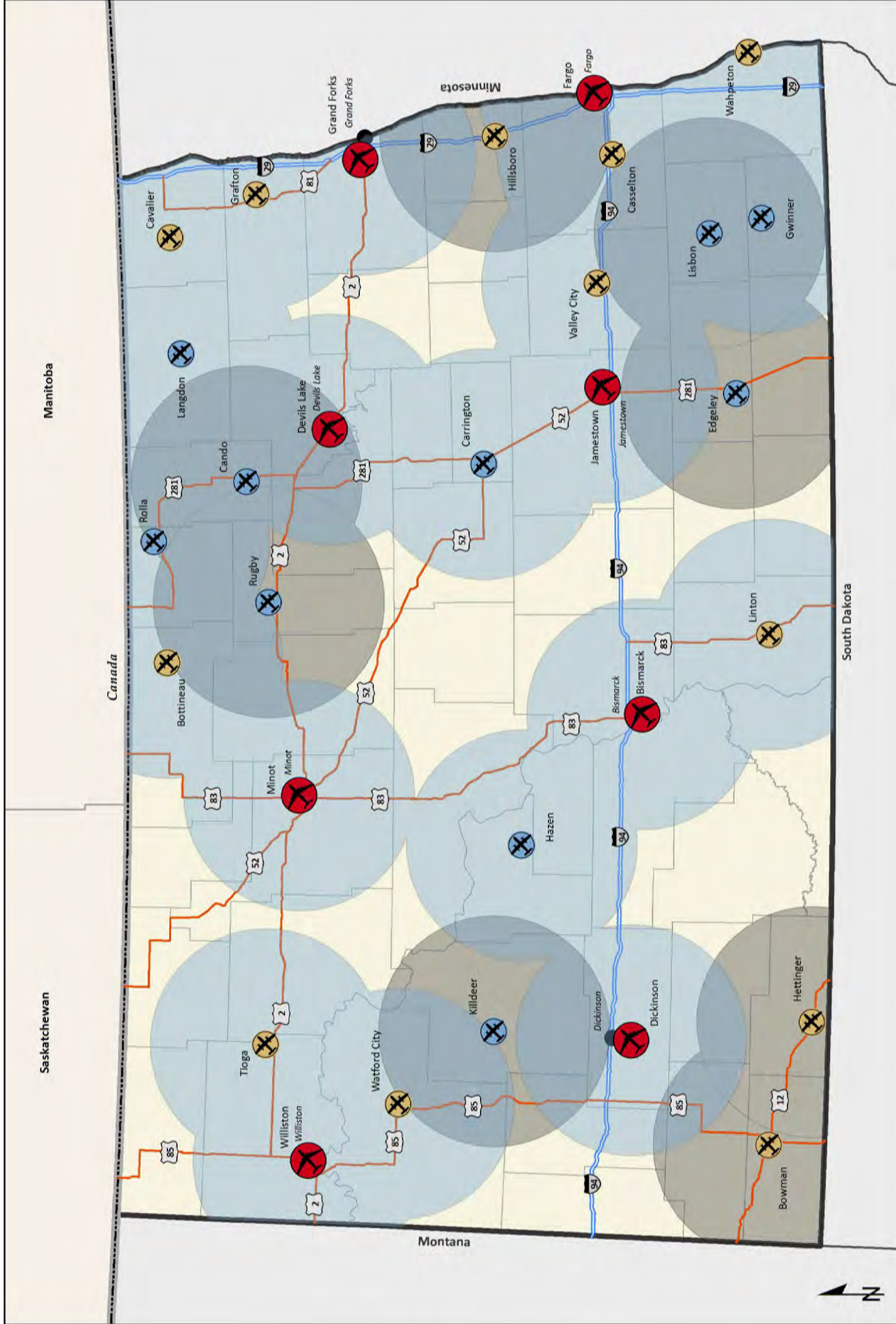
Legend

- Commercial (Primary and Non-Primary)
- Basic
- Community Paved
- Community Turf
- Major City
- County Boundary
- Coverage of Recommended Airports

Percent of North Dakota		
2013 Population	Land Area	
98%	88%	
99%	95%	

Percent of Area and Population within 30 Nautical Miles of an Airport with a Non-Precision Approach

Note: Population data from Woods & Poole.
Source: Airnav.com, confirmed through airport manager survey.



Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf

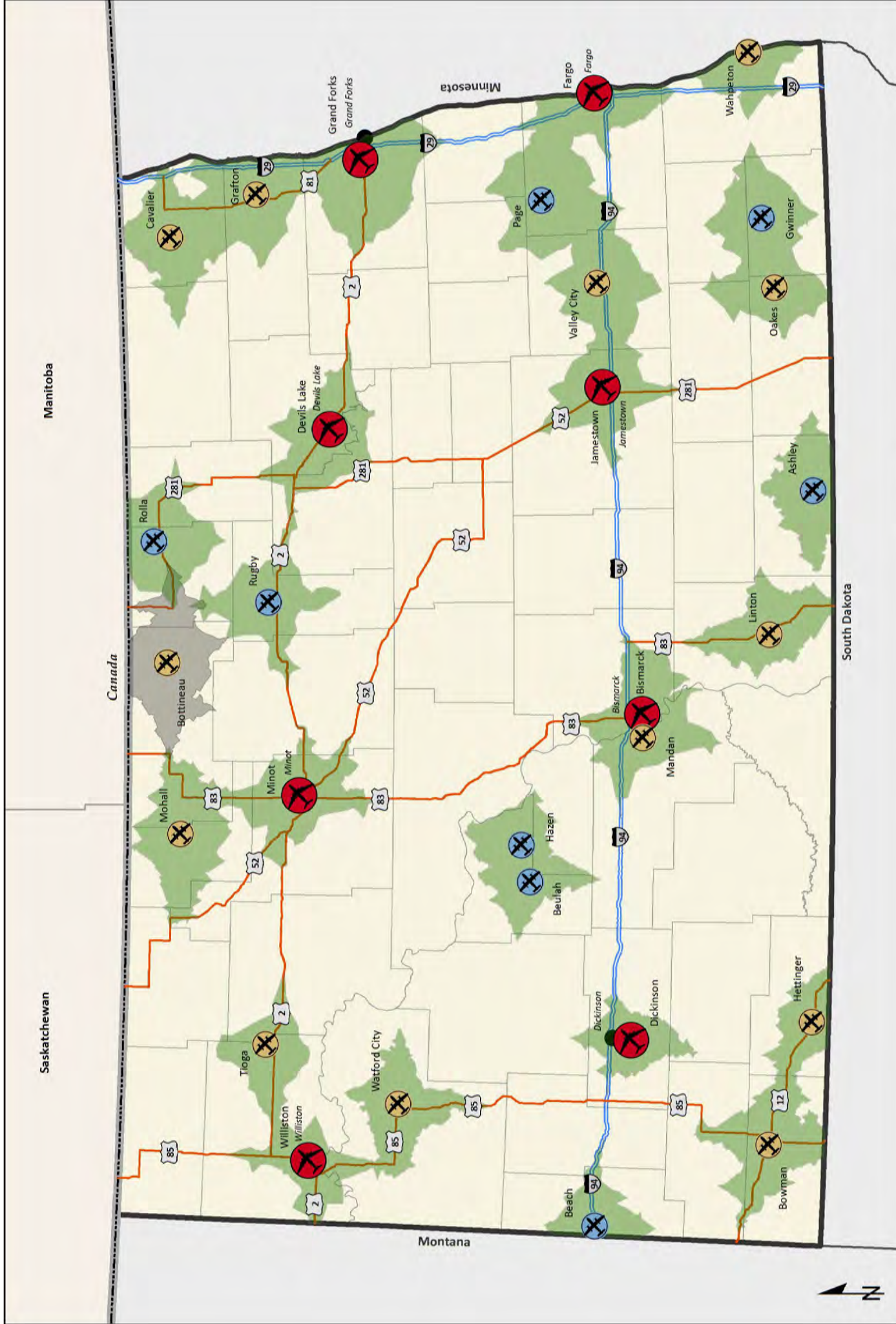
- Major City
- 30 Nautical Miles
- County Boundary

- Coverage of Recommended Airports

Percent of North Dakota	
2013 Population	Land Area
92%	70%
Future Current	
95%	82%

Percent of Area and Population within 30 Nautical Miles of an Airport with a Vertically-Guided Approach

Note: Population data from Woods & Poole.
Source: Airnav.com, confirmed through airport manager survey.



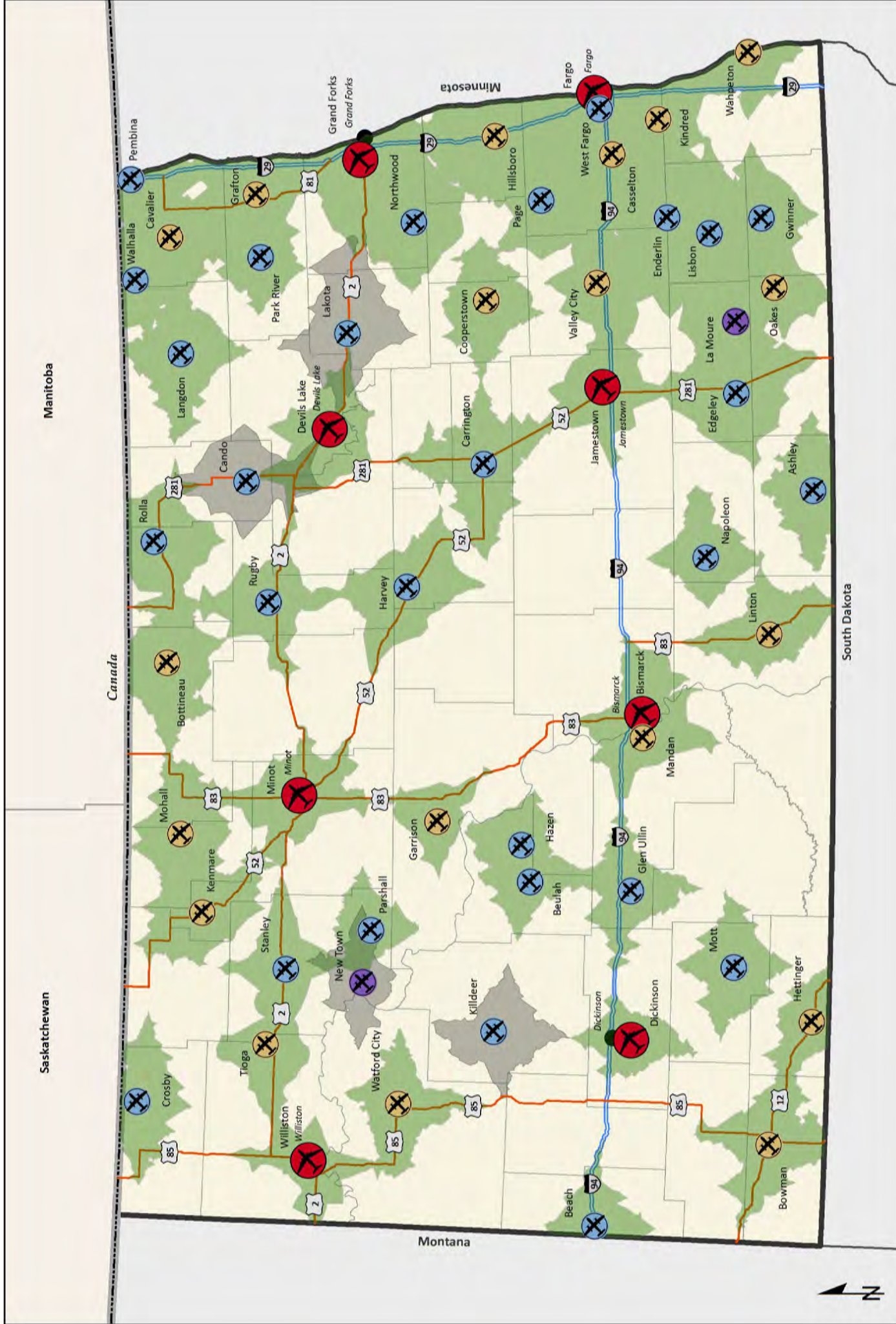
Legend

- Commercial (Primary and Non-Primary)
- Basic
- Community Paved
- Local
- Major City
- 30 minute Drive Time
- County Boundary
- Coverage of Recommended Airport

Percent of North Dakota	
2013 Population	Land Area
77%	24%
78%	25%
Future Current	

Percent of Area and Population within 30 Minutes of Jet Fuel A

Note: Population data from Woods & Poole.
Source: Altnavcom, confirmed through airport manager survey.

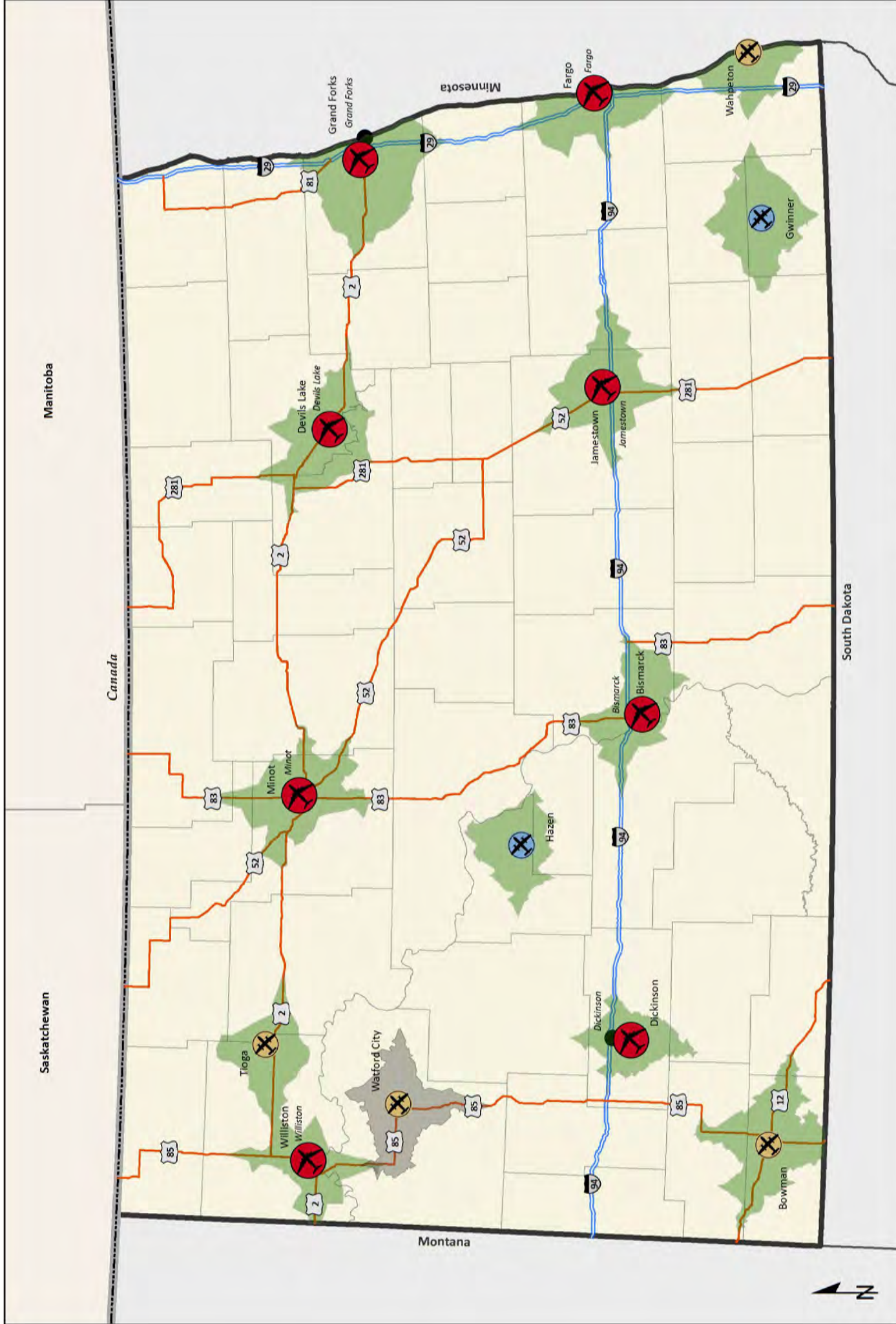


Percent of Area and Population within 30 Minutes of 100LL Fuel

Percent of North Dakota	
2013 Population	Land Area
88%	42%
89%	46%

Future Current

Note: Population data from Woods & Poole.
Source: Airnav.com, confirmed through airport manager survey.



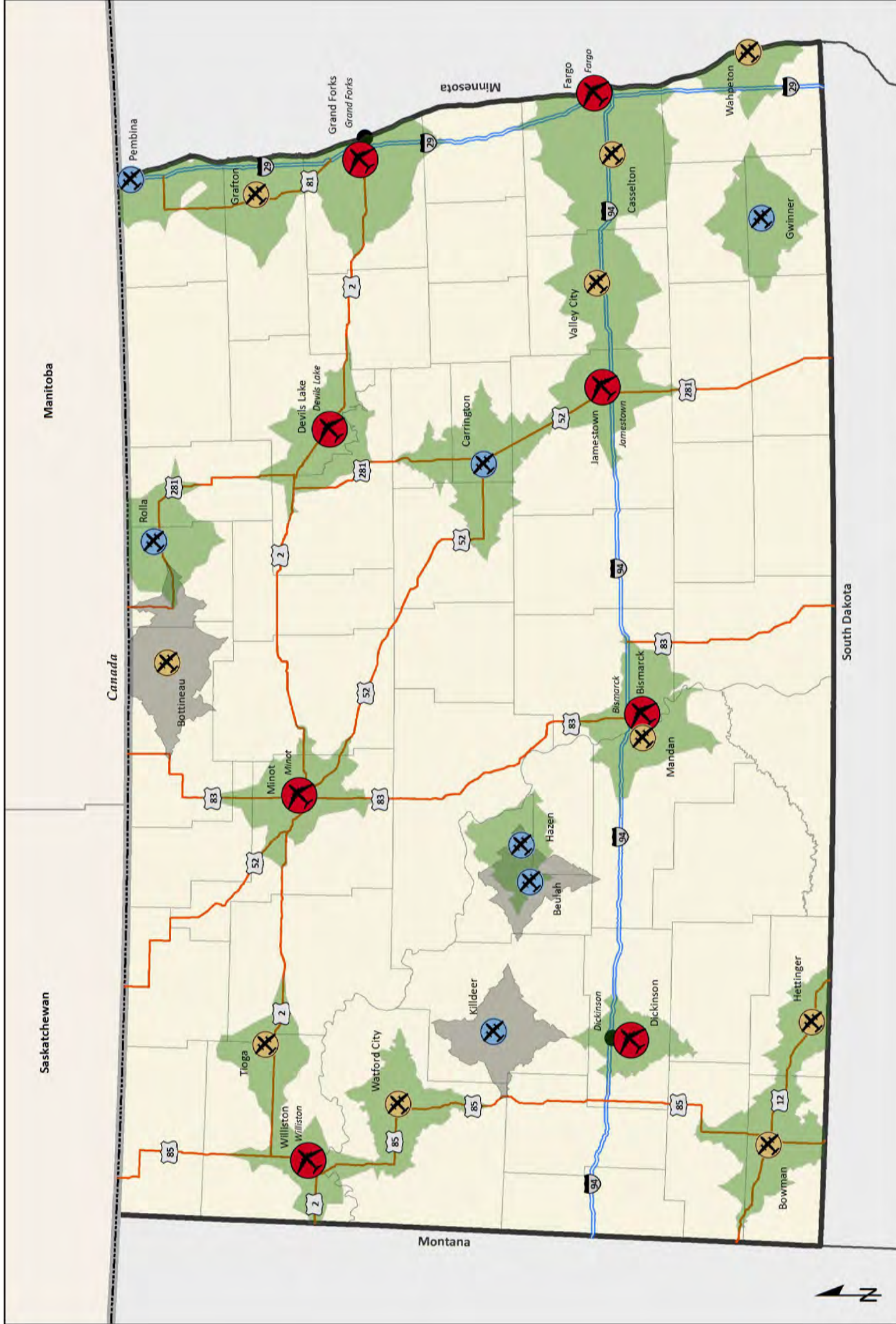
Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary
- Coverage of Recommended Airport

Percent of North Dakota		Percent of Area and Population within 30 Minutes of a Large Aircraft Runway (5,000ft+) *	
2013 Population	Land Area		
68%	12%		
68%	12%		

Percent of Area and Population within 30 Minutes of a Large Aircraft Runway (5,000ft+) *

Note: Population data from Woods & Poole.
Source: Airnav.com, confirmed through airport manager survey.
* For the purposes of this performance measure, Hazen was included at 4,999 ft.



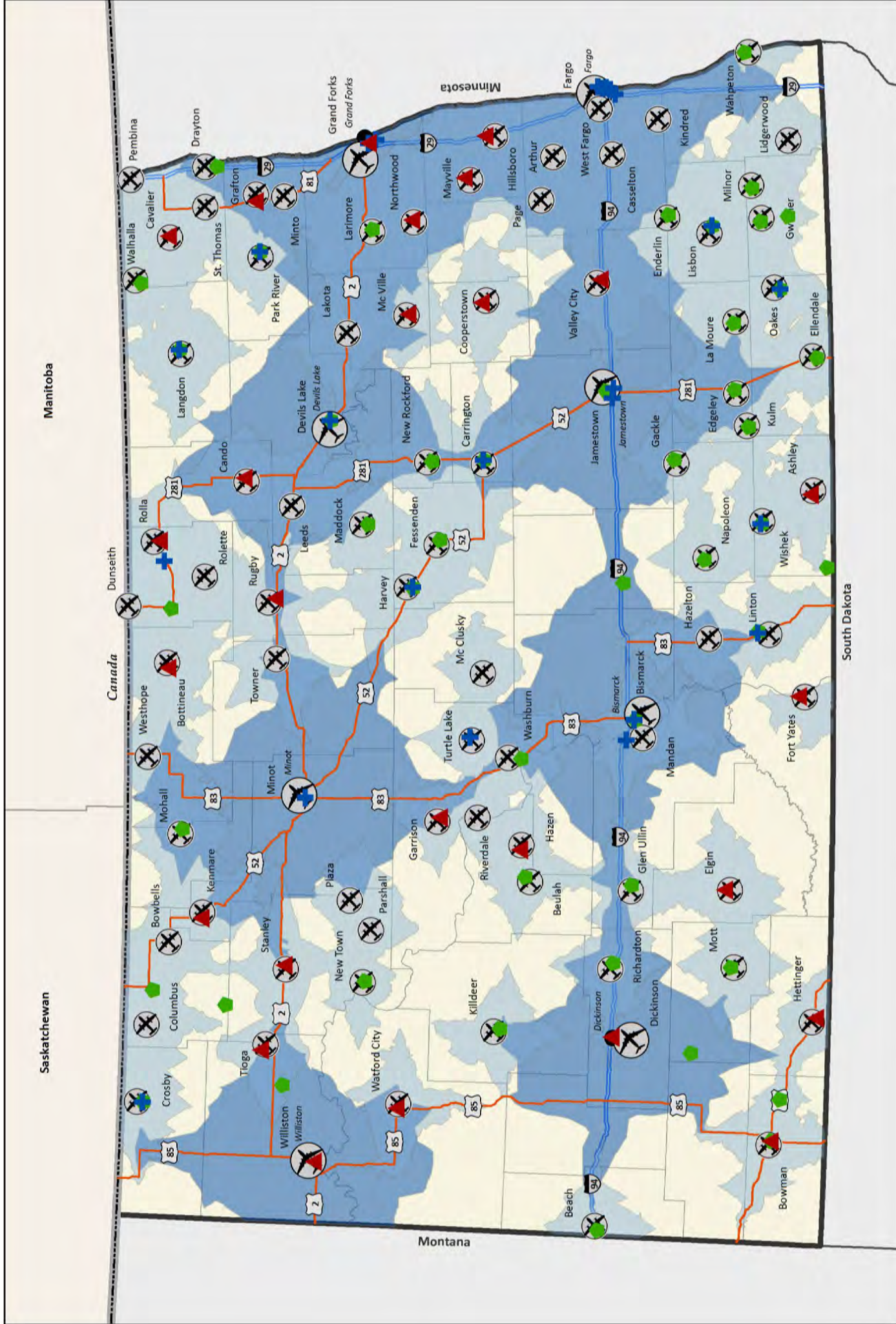
Percent of Area and Population within 30 Minutes of Airport Capable* of Supporting King Air Aircraft*

Note: Population data from Woods & Poole;
* Capable airports have available runway lengths of 3,000+ft and a reference code of B-II or greater.

Percent of North Dakota	
2013 Population	Land Area
76%	19%
77%	22%

Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Community Paved
- Community Turf
- Major City
- 30 Minute Drive Time
- County Boundary
- Coverage of Recommended Airports



Legend

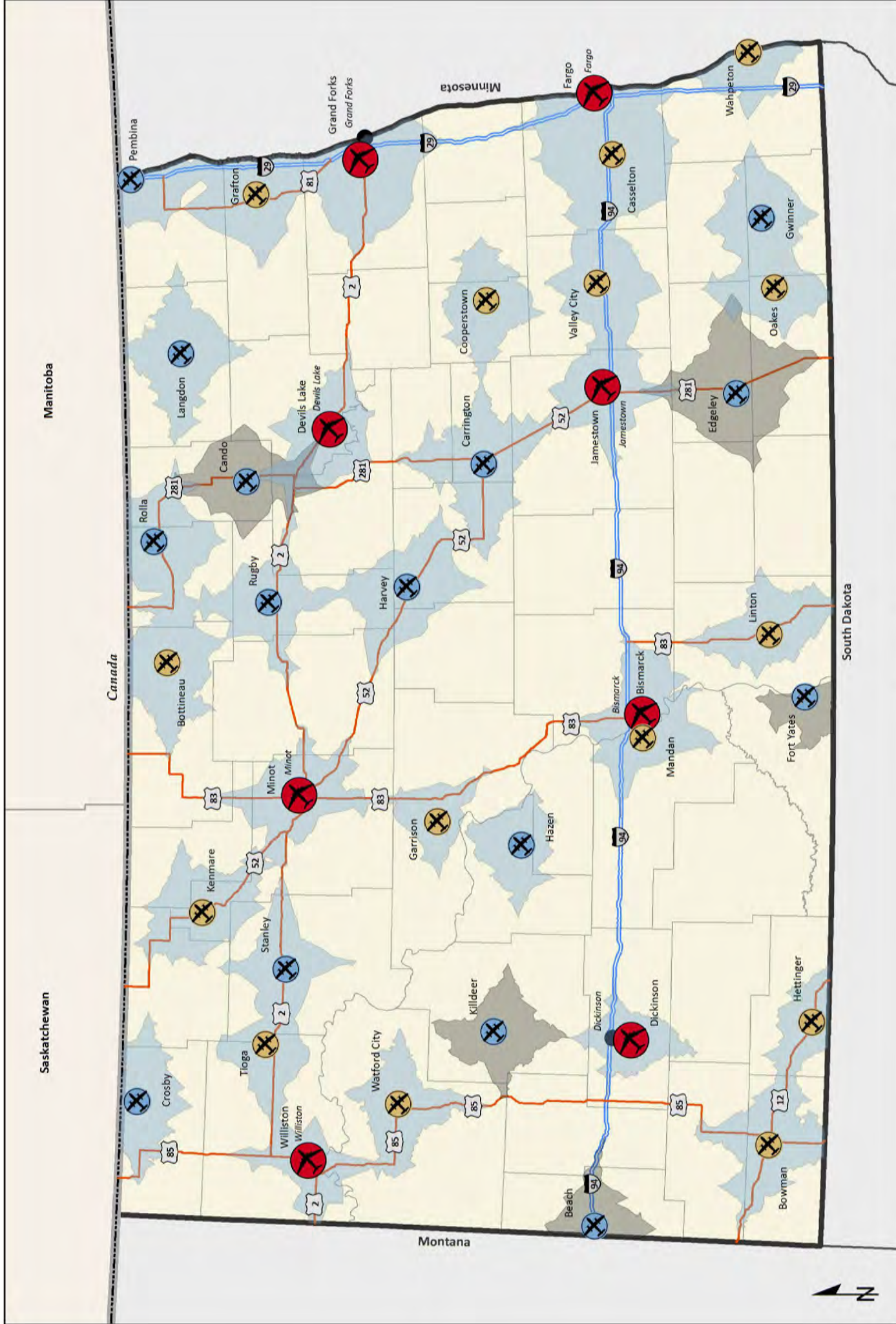
- Hospital/Clinic
- Hospital
- Clinic
- Commercial (Primary and Non-Primary)
- GA Airport
- Major City
- 60 minute Drive Time
- 30 minute Drive Time
- County Boundary

Percent of North Dakota Communities

94%

Hospitals and Clinics within Service Area of a Public-Use Airport

Source: Hospital and clinic location data from North Dakota Department of Commerce.



Legend

- Commercial (Primary and Non-Primary)
- Basic
- Local
- Major City
- 30 Minute Drive Time
- County Boundary
- Coverage of Recommended Airports

Percent of North Dakota

2013 Population	Land Area
81%	29%
Future Current	
83%	33%

**Percent of Area and Population within 30 Minutes
of an Airport Capable of Supporting Fixed-Wing
Emergency Operations***

Note: Population data from Woods & Poole;
* Capable airports have available runway lengths of 3,500+ ft and a non-precision approach.