

# FISH RIVER CHAIN OF LAKES CONCEPT PLAN

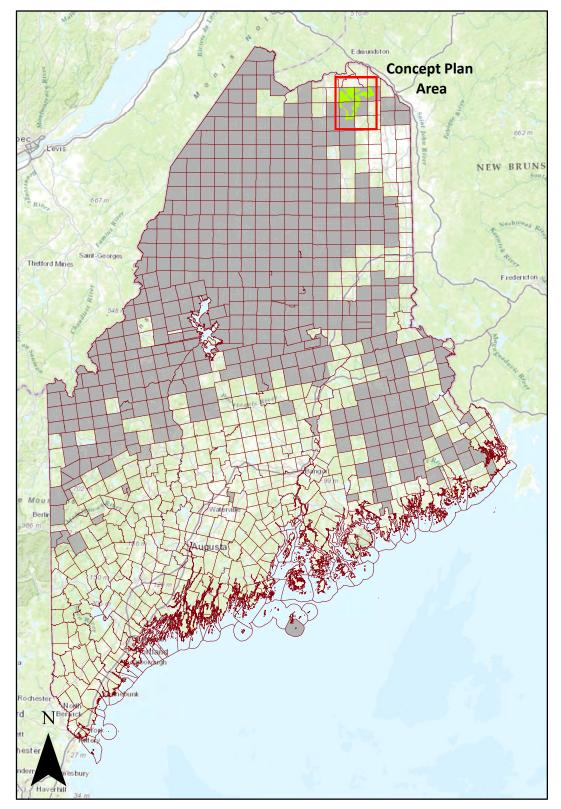
| 1. Location Map   | 17. Existing Residential Development Square Lake     | 33. Remote    |
|---|--|---------------|
| 2. Concept Plan Area                                      | 18. Watersheds                                       | 34. Publicly  |
| 3. Кеу Мар  | 19. Natural Resources Irving Data Sources            | 35. Mud Lak   |
| 4. Existing LUPC Subdistricts Long Lake                   | 20. Natural Resources State Agency Data              | 36. Access to |
| 5. Existing LUPC Subdistricts Long Lake / Mud Lake        | 21. Concept Plan Summary                             | 37. Deed Re   |
| 6. Existing LUPC Subdistricts Mud Lake / Cross Lake       | 22. Development Areas Long Lake                      | 38. FEMA Flo  |
| 7. Existing LUPC Subdistricts Cross Lake / Square Lake    | 23. Development Areas Long Lake / Mud Lake           | 39. FEMA Flo  |
| 8. Existing LUPC Subdistricts Square Lake (North)         | 24. Development Areas Mud Lake / Cross Lake          | 40. Back Lot  |
| 9. Existing LUPC Subdistricts Square Lake (Mid)           | 25. Development Areas Cross Lake / Square Lake       | 41. Back Lot  |
| <b>10. Existing LUPC Subdistricts</b> Square Lake (South) | 26. Development Areas Square Lake                    | 42. Back Lot  |
| 11. Development Patterns 1931                             | 27. Proposed Land Use Zones Long Lake                | 43. Back Lot  |
| 12. Development Patterns 1953                             | 28. Proposed Land Use Zones Long Lake / Mud Lake     | 44. Back Lot  |
| 13. Development Patterns 1986                             | 29. Proposed Land Use Zones Mud Lake / Cross Lake    | 45. Back Lot  |
| 14. Existing Residential Development Long Lake            | 30. Proposed Land Use Zones Cross Lake / Square Lake | 46. Back Lot  |
| 15. Existing Residential Development Cross Lake (NW)      | 31. Proposed Land Use Zones Square Lake              | 47. Back Lot  |
| 16. Existing Residential Development Cross Lake (SE)      | 32. Existing Recreational Resources                  |               |
|   |  |               |

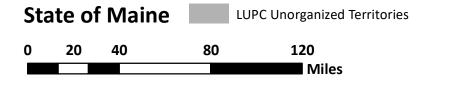
Campsites and Remote Rental Cabins Accessible Water Access Sites ke Water Access to Development Areas eferences lood Zone Long Lake / Mud Lake lood Zone Mud Lake / Cross Lake ts Long Lake: Northeast Side ts Long Lake: Northeast Side and West Side ts Cross Lake: North End A ts Cross Lake: North End B ts Cross Lake: North End C ts Cross Lake: Thoroughfare ts Cross Lake: South of Thoroughfare ts Square Lake: West Side

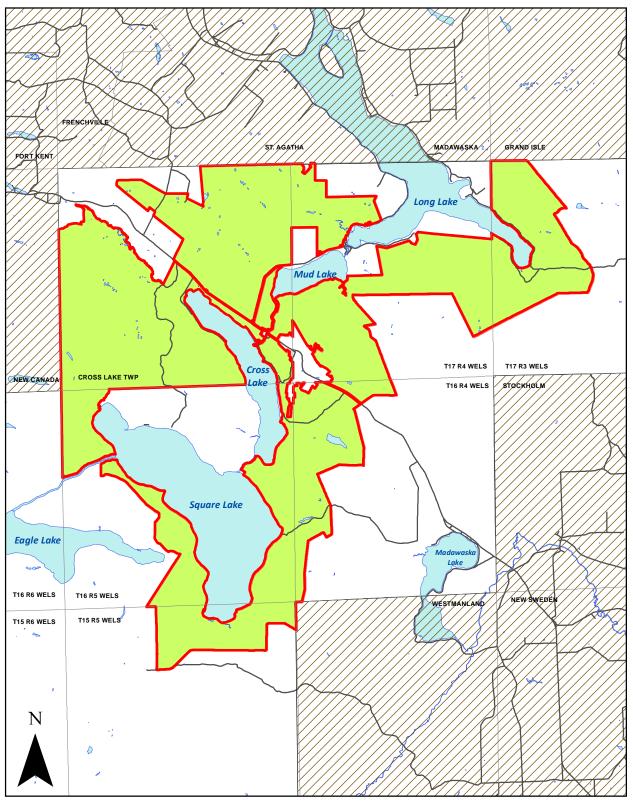


**IRVING WOODLANDS, LLC** 

May 2017







### **Concept Plan Area**



# **LOCATION MAP**

# Fish River Chain of Lakes Concept Plan

#### Legend

— Maj

- Major Roads

Organized Towns

Water Bodies

Concept Plan Area

#### **Concept Plan Map Sources**

Irving Woodlands LLC MEDOT NRCS Soil Survey 1964 Maine LUPC MIF&W Maine Natural Areas Program ME Office of GIS Maine Revenue Service U.S. Fish and Wildlife Service

#### **Basemap Sources**

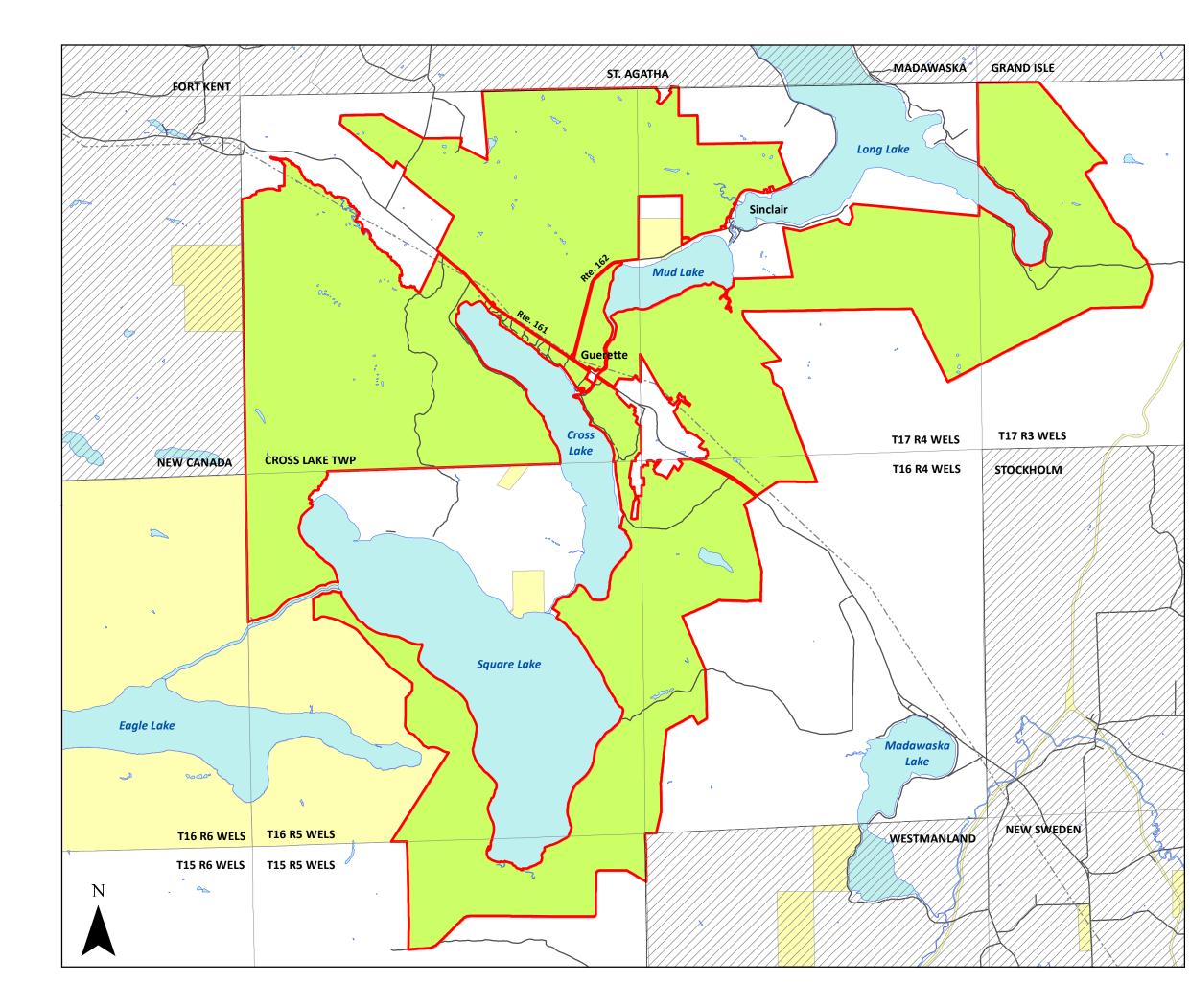
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MAP 1

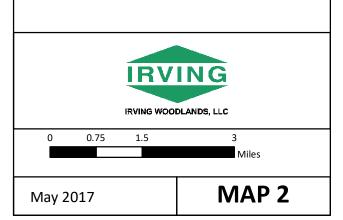


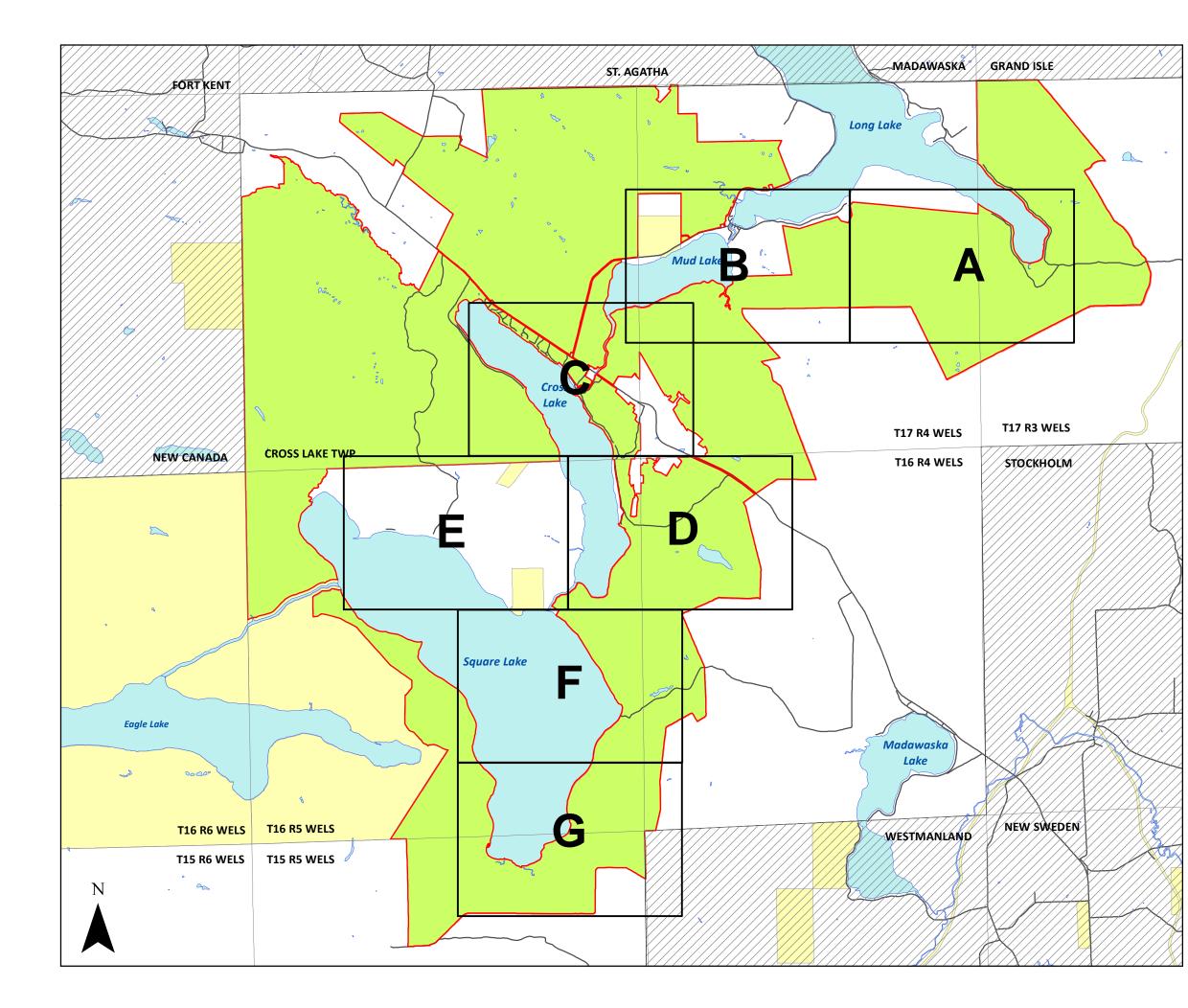
# CONCEPT PLAN AREA

# Fish River Chain of Lakes Concept Plan

#### Legend

- Major Roads
- ----- Transmission Line
- Organized Towns
  - Maine Public Reserve Land
  - Concept Plan Area





# KEY MAP CONCEPT PLAN AREA

Fish River Chain of Lakes Concept Plan

#### Legend



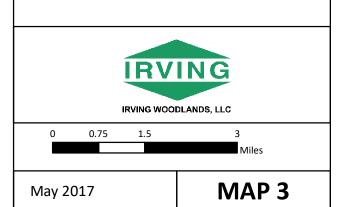
Major Roads

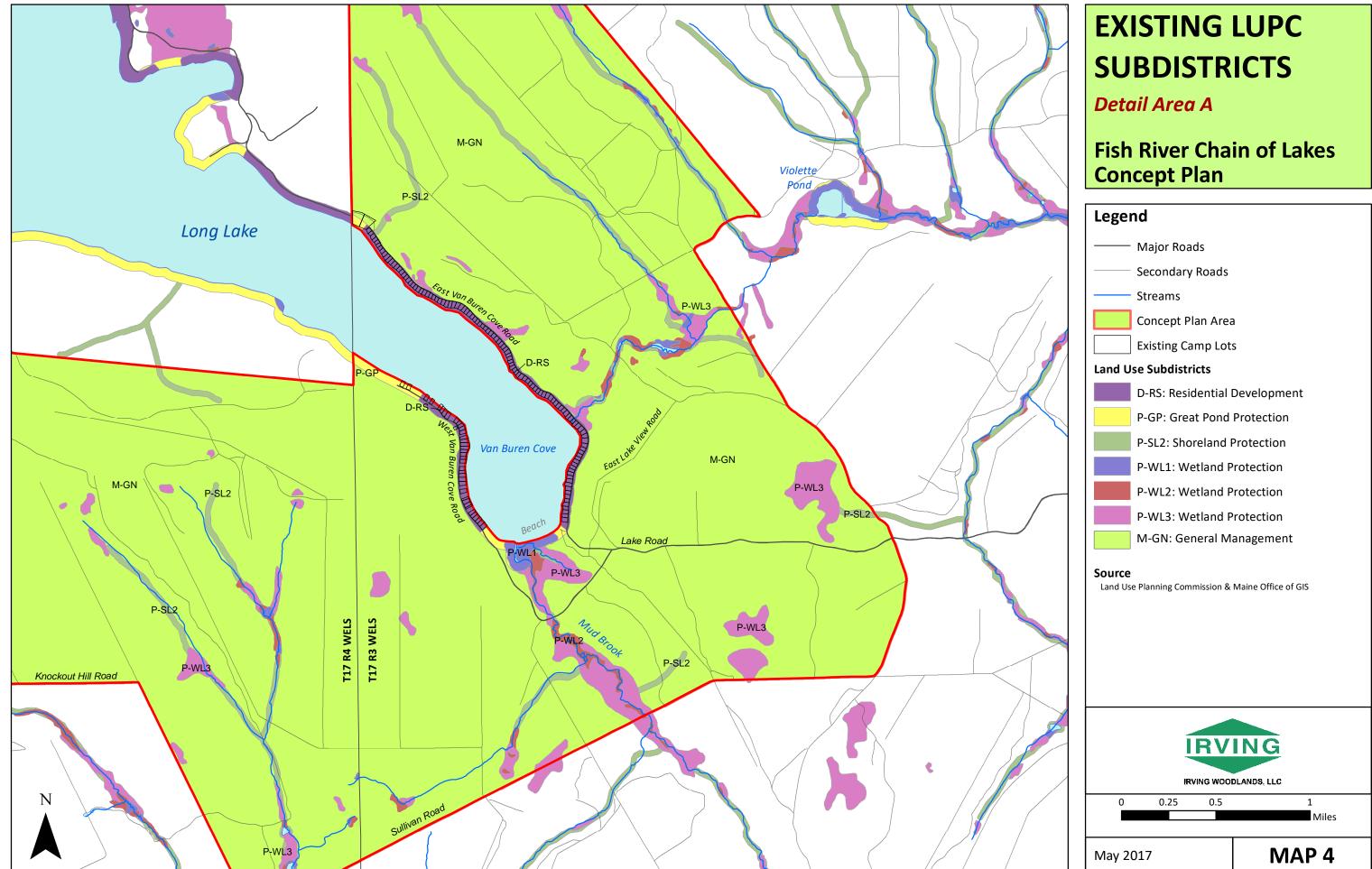
Organized Towns

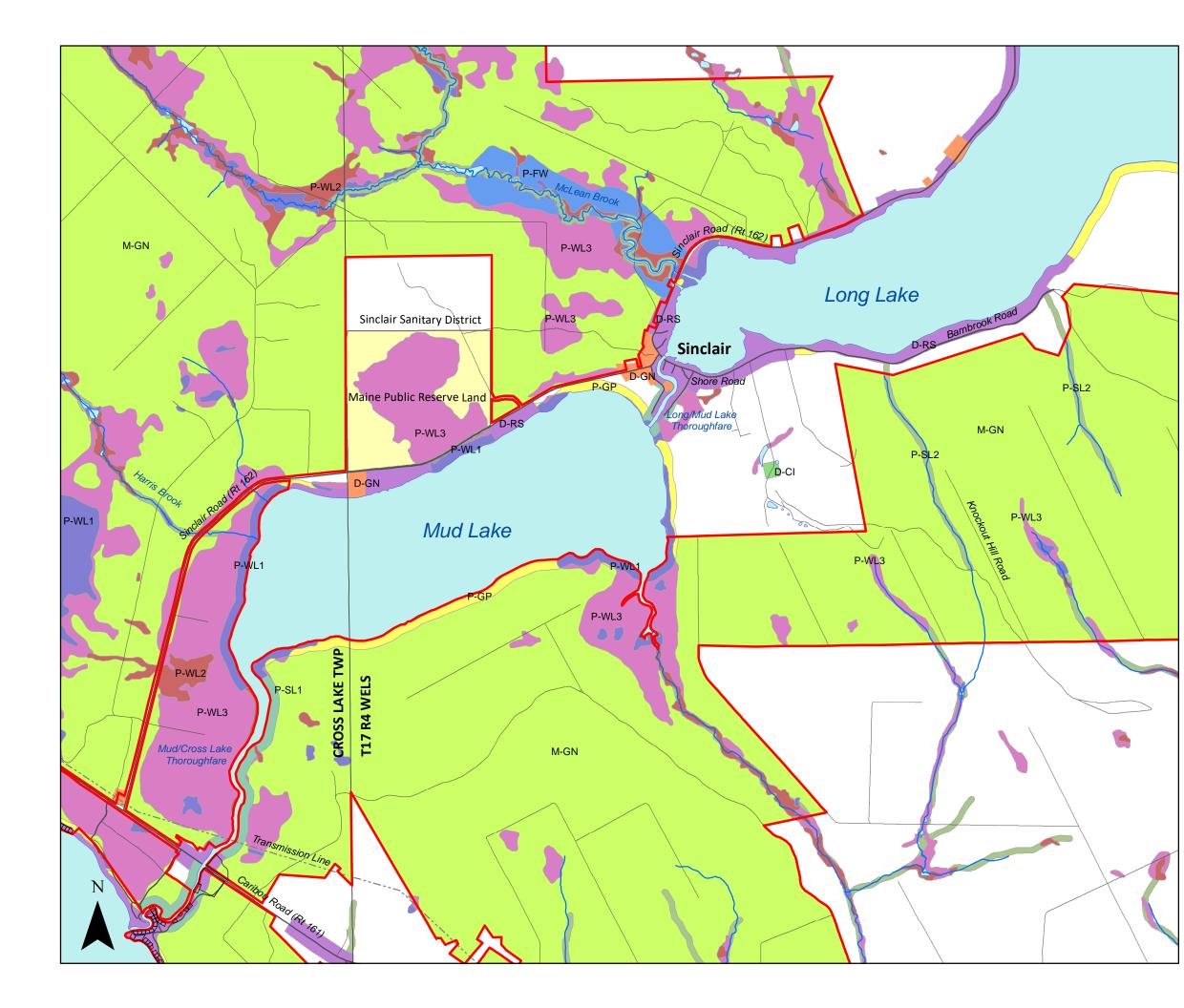
A Detail Maps 4 through 10

Maine Public Reserve Land

Concept Plan Area

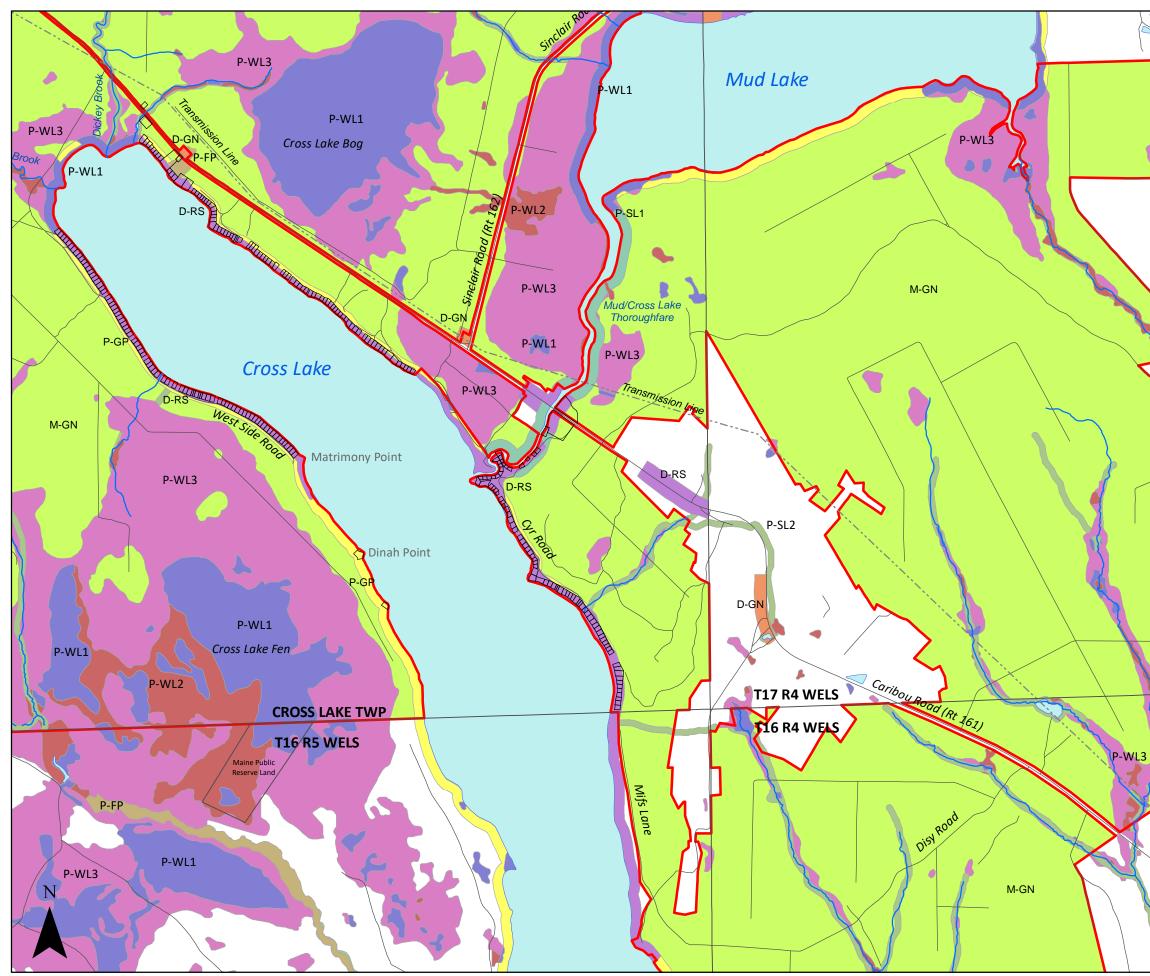






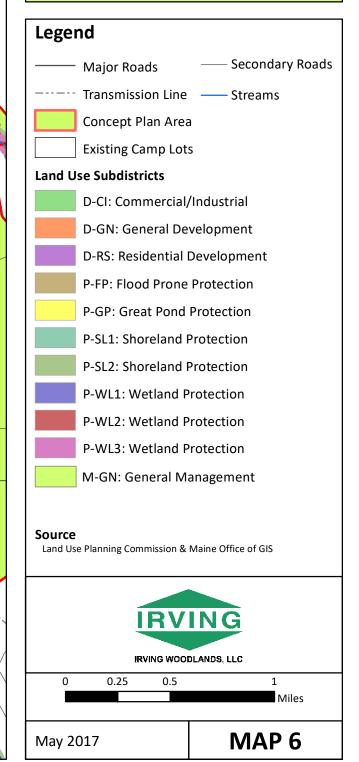
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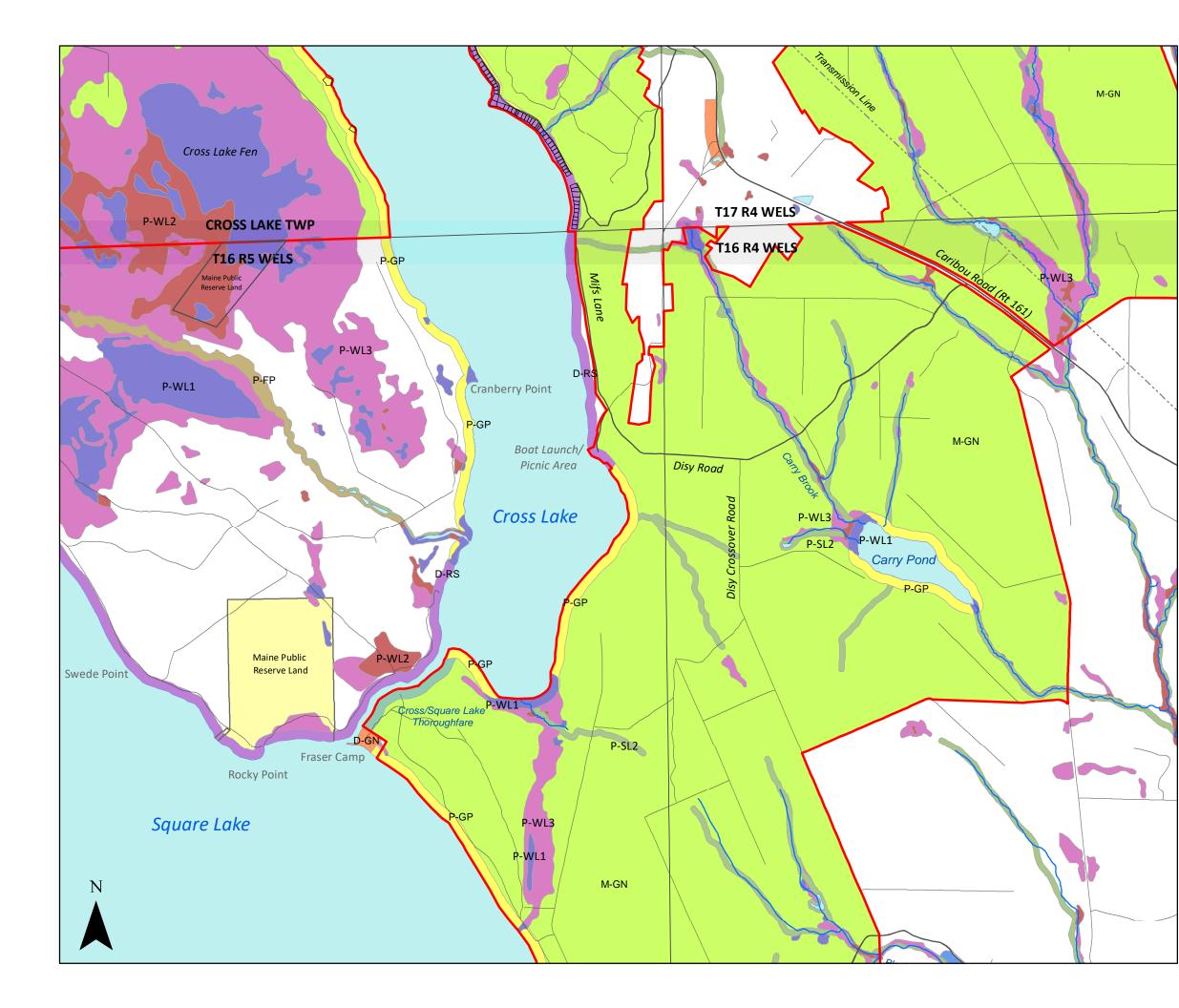




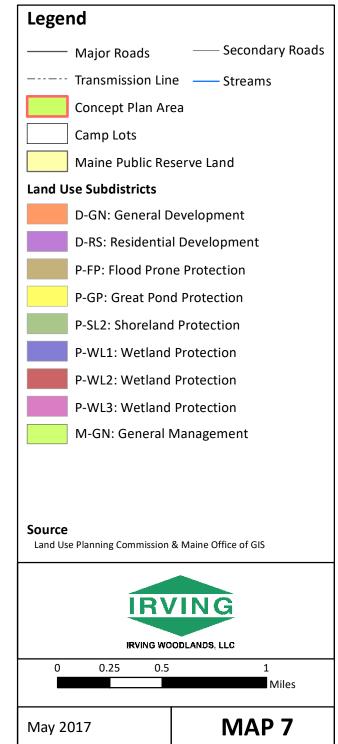


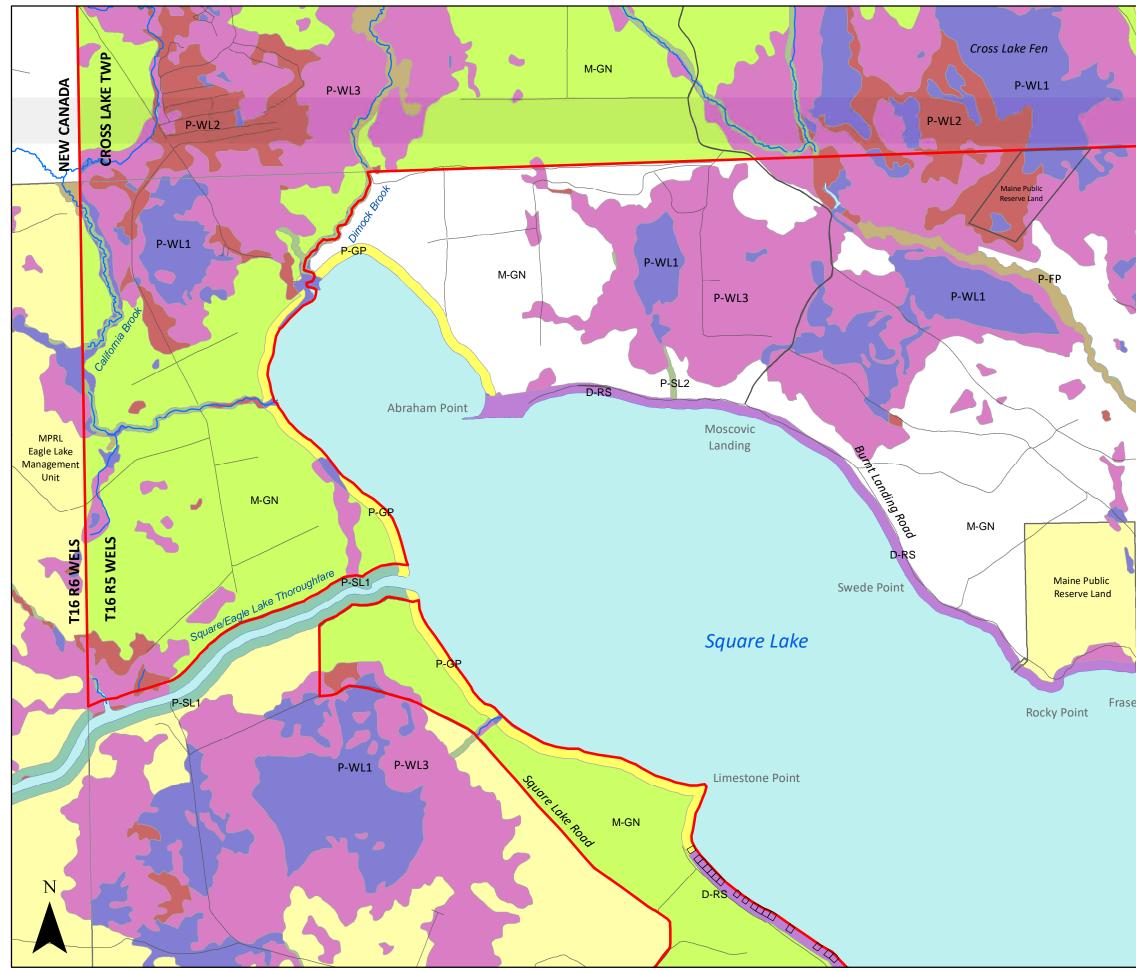
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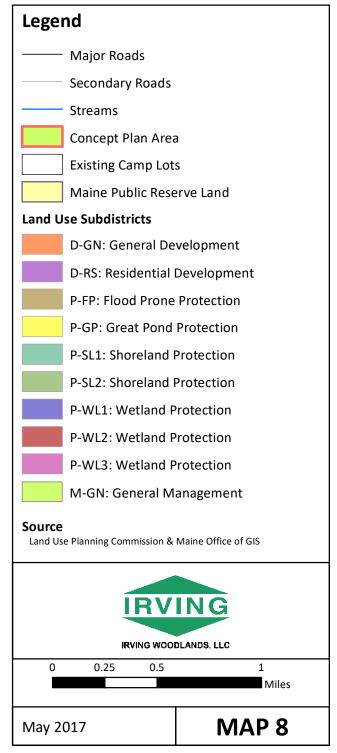
### **Detail Area D**

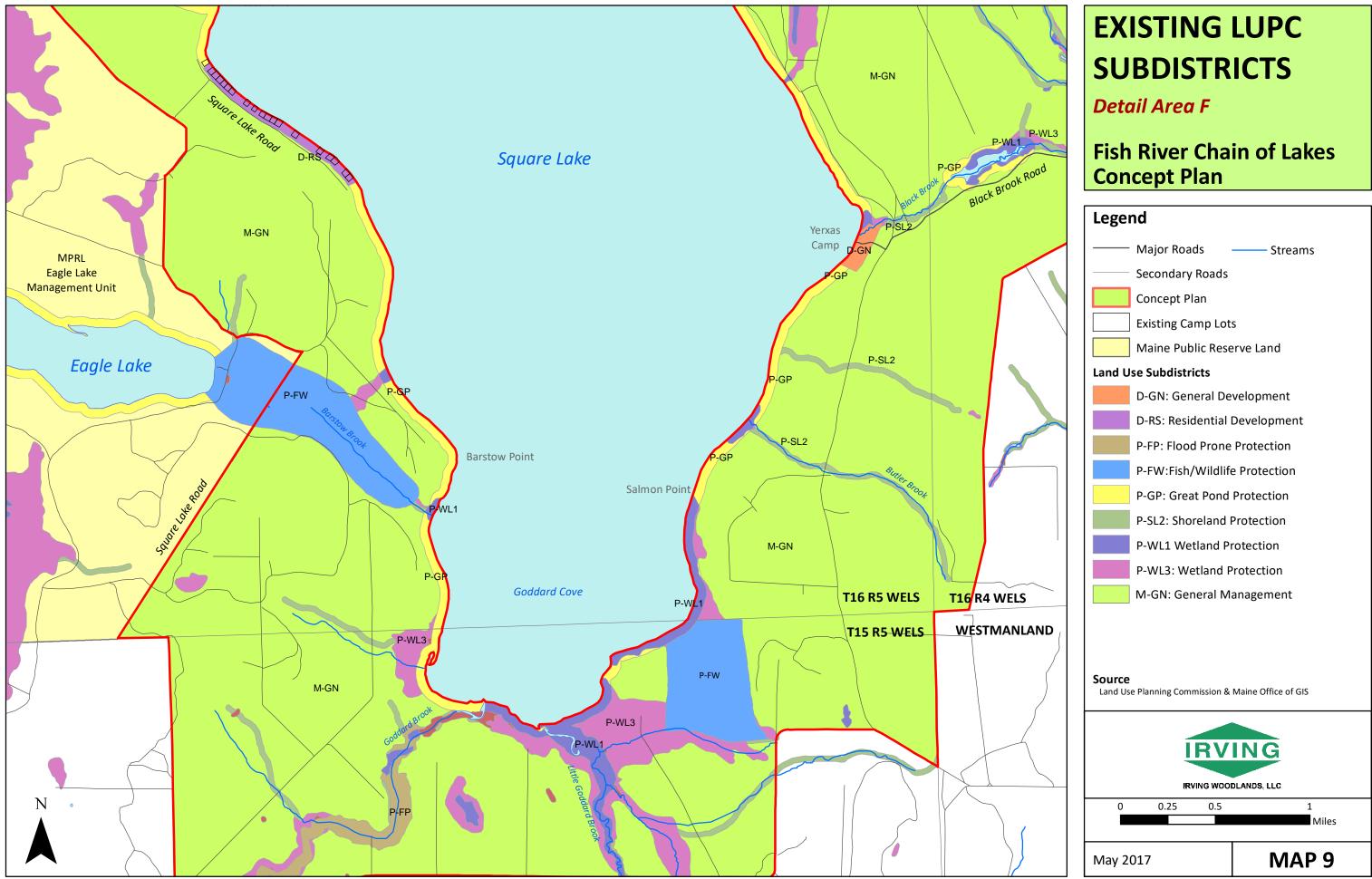


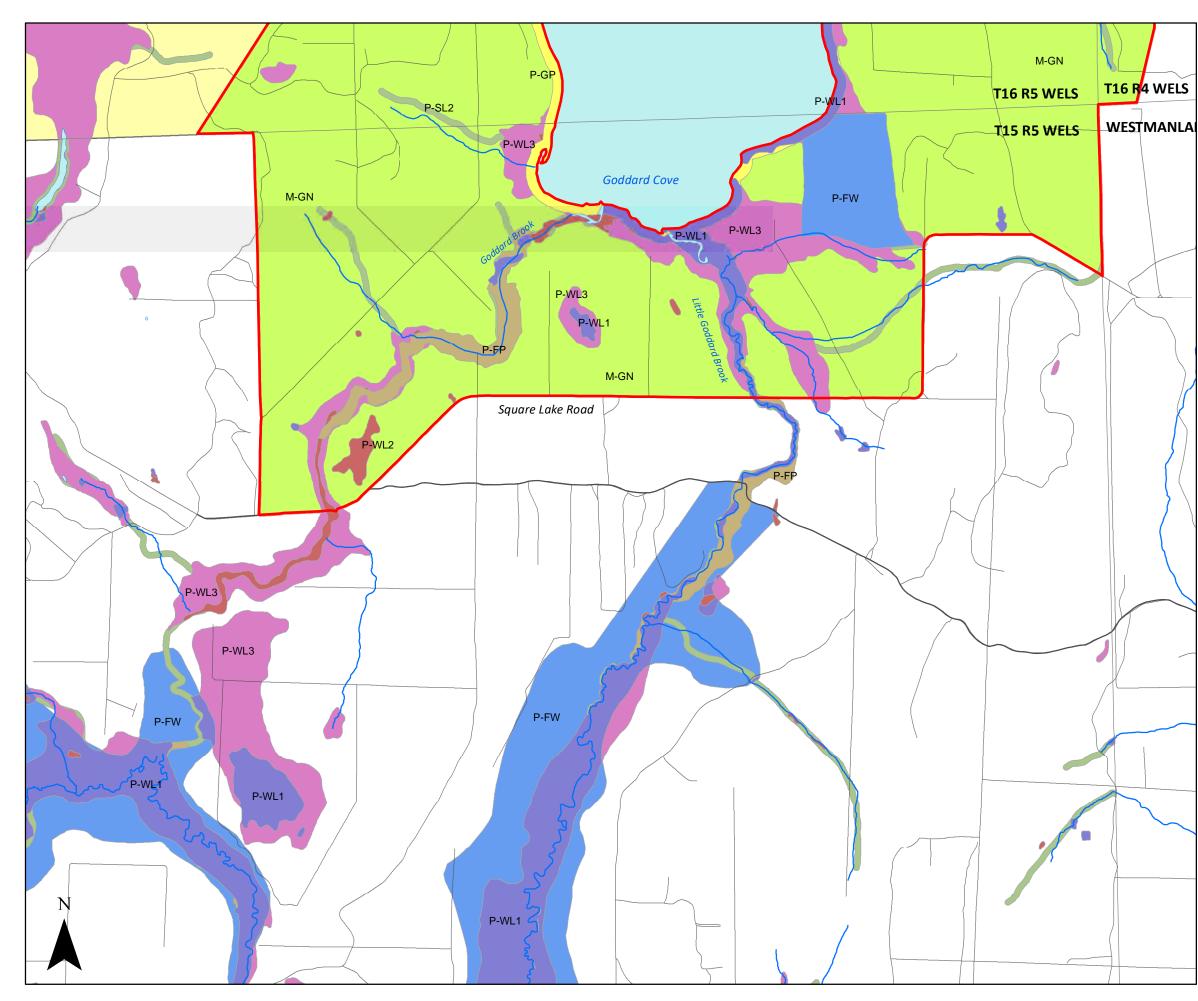


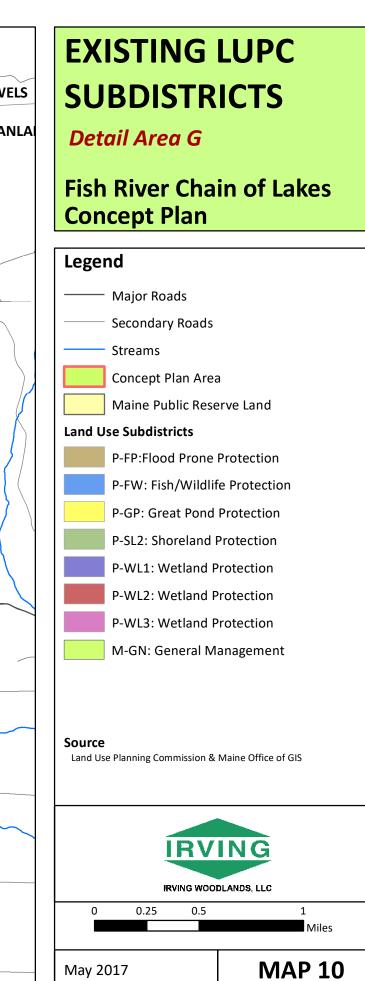


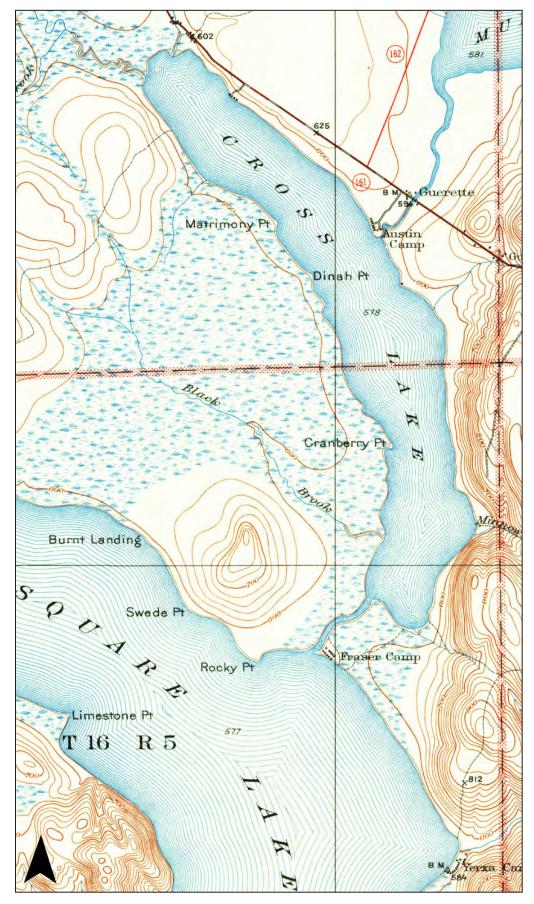
### Detail Area E





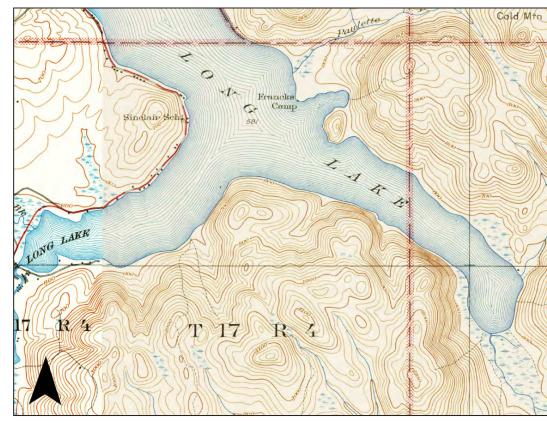




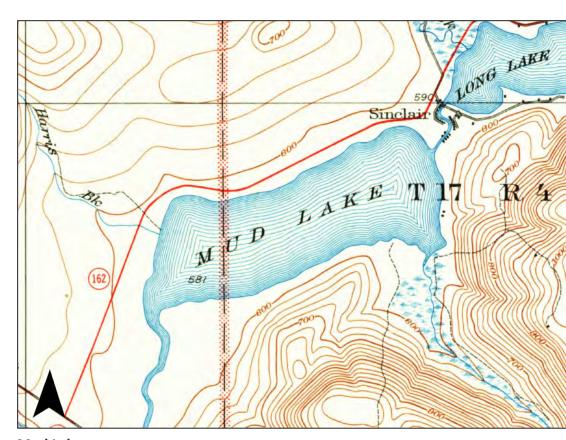


Cross Lake & Square Lake (Square Lake Quadrangle) 15 Minute Series





Long Lake (Stockholm Quadrangle) 15 Minute Series 0 .25 .5 1 Miles



Mud Lake (Square Lake Quadrangle) 15 Minute Series .25 1 Miles



# DEVELOPMENT **PATTERNS**

### **USGS - 1931**

# **Fish River Chain of Lakes Concept Plan**

#### Legend



Heavy Duty Roads



Medium Duty Roads



Light Duty Roads



Unimproved Dirt Roads



Trails



Structures

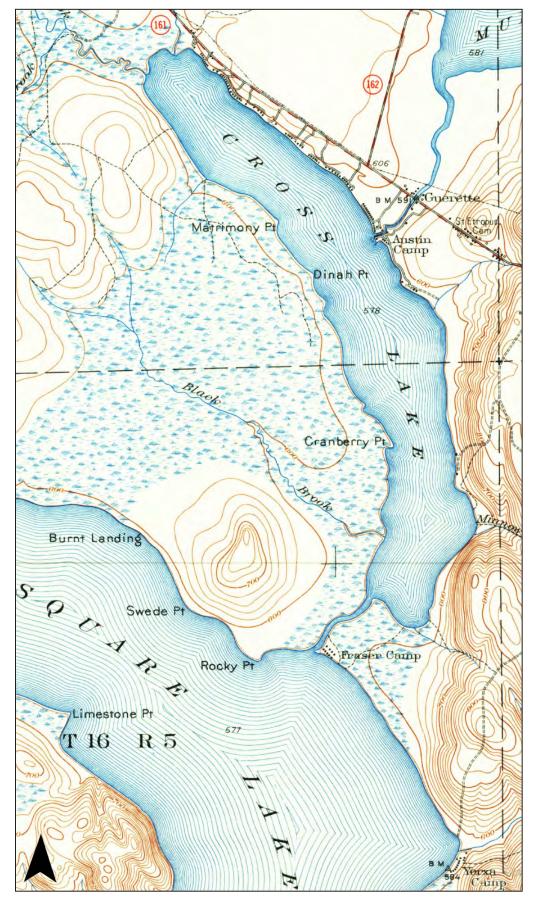
Source Historic USGS maps courtesy of the University of New Hampshire Library Digital Collections.



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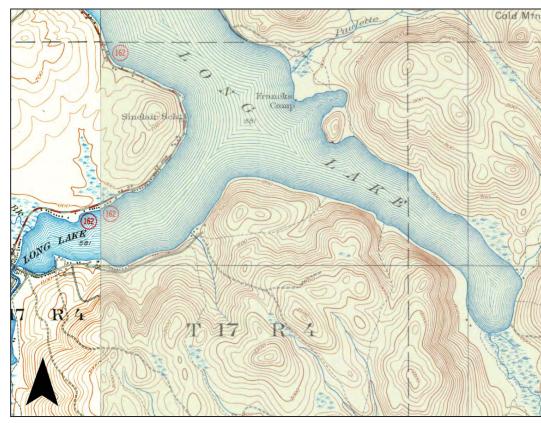
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Map 11

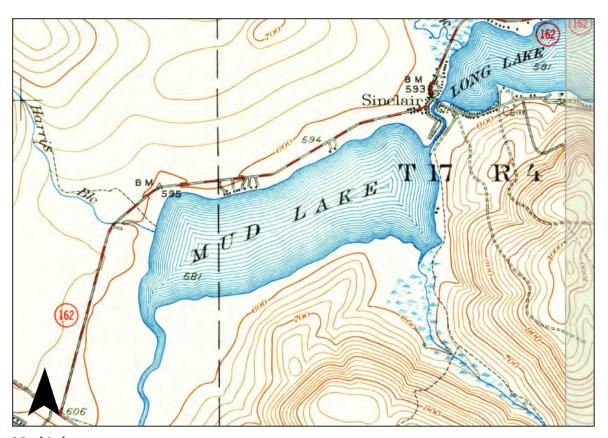


Cross Lake & Square Lake (Square Lake Quadrangle) 15 Minute Series





Long Lake (Stockholm Quadrangle) 15 Minute Series 1 Miles 0.25



Mud Lake (Square Lake Quadrangle) 15 Minute Series

1 Miles

.25



# DEVELOPMENT **PATTERNS**

### **USGS - 1953**

# **Fish River Chain of Lakes Concept Plan**

### Legend



Heavy Duty Roads



Medium Duty Roads



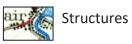
Light Duty Roads



Unimproved Dirt Roads



Trails



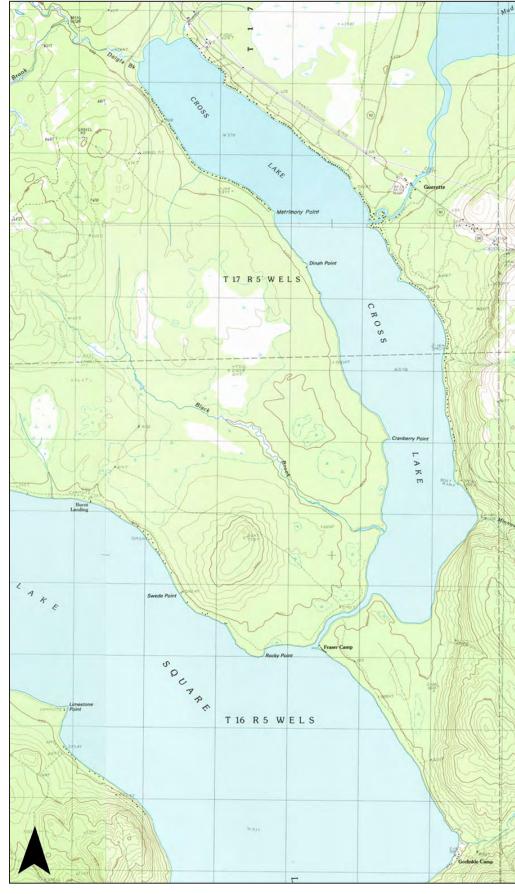
Source Historic USGS maps courtesy of the University of New Hampshire Library Digital Collections.



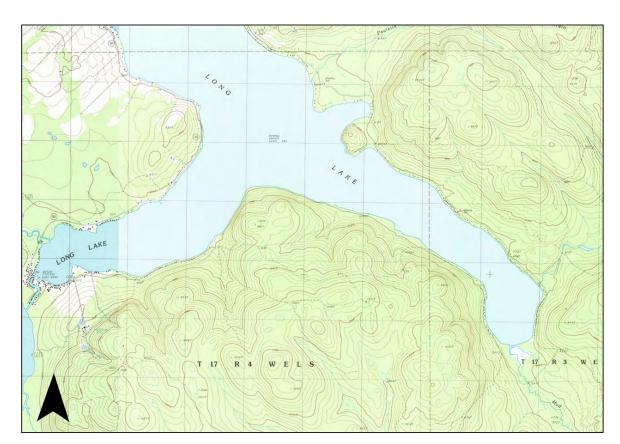
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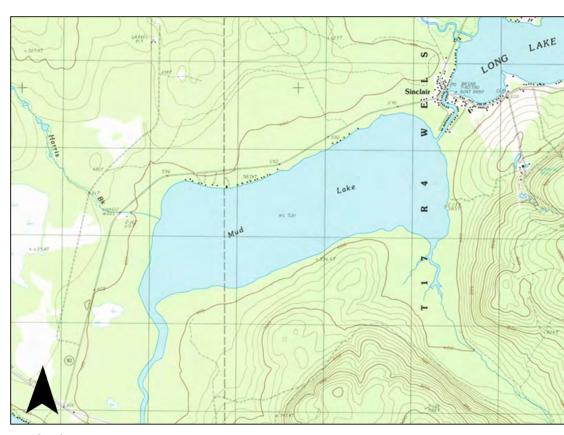
Map 12



Cross Lake & Square Lake (Square Lake East Quadrangle) 7.5 Minute Series



Long Lake (Paulette Brook Quadrangle) 7.5 Minute Series



Mud Lake (St. Agatha Quadrangle) 7.5 Minute Series

1 Miles

.25



# DEVELOPMENT PATTERNS

### USGS - 1986

# Fish River Chain of Lakes Concept Plan

### Legend



Improved Roads



Unimproved Roads



Trails



Structures

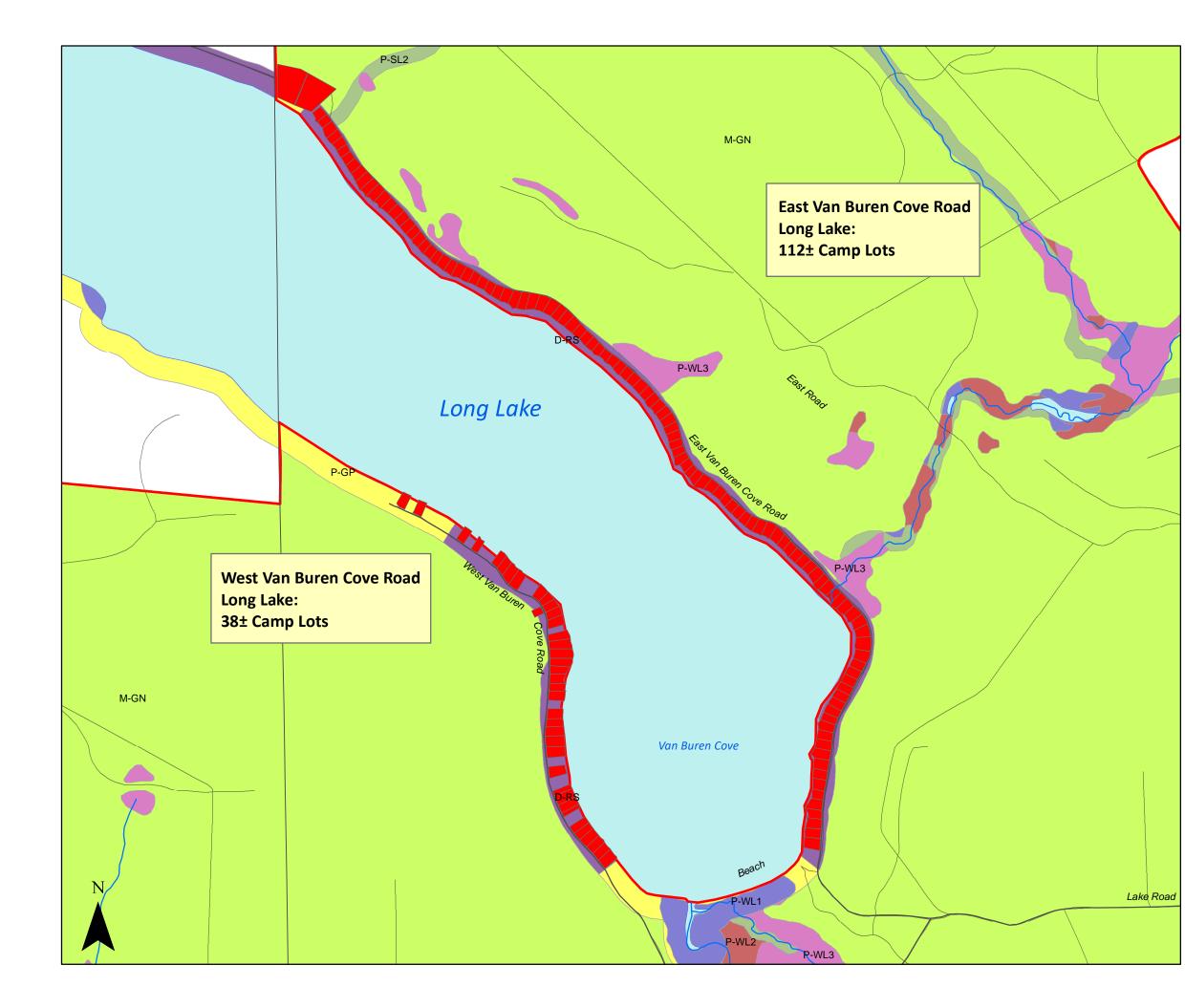
**Source** U.S. Geological Survey



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**Map 13** 



Fish River Chain of Lakes Concept Plan

### Legend

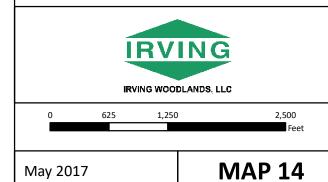


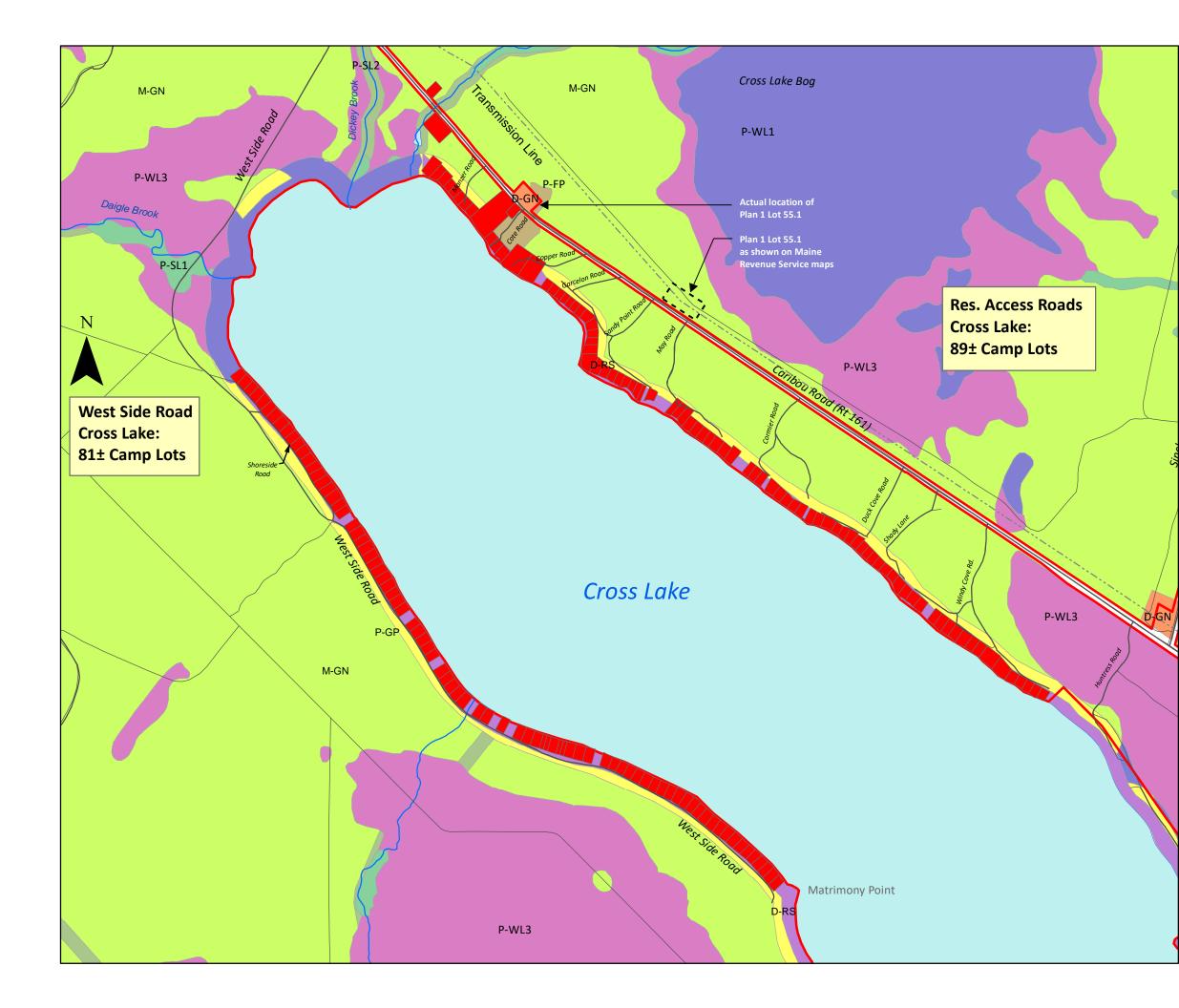
#### Note

1. Boundaries of waterfront camp lots typically extend from the edge of the waterbody to the road paralleling the shoreline.

#### Source

Irving Woodlands, LLC



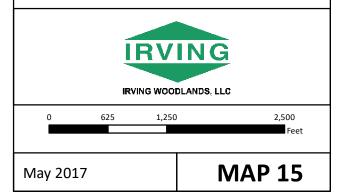


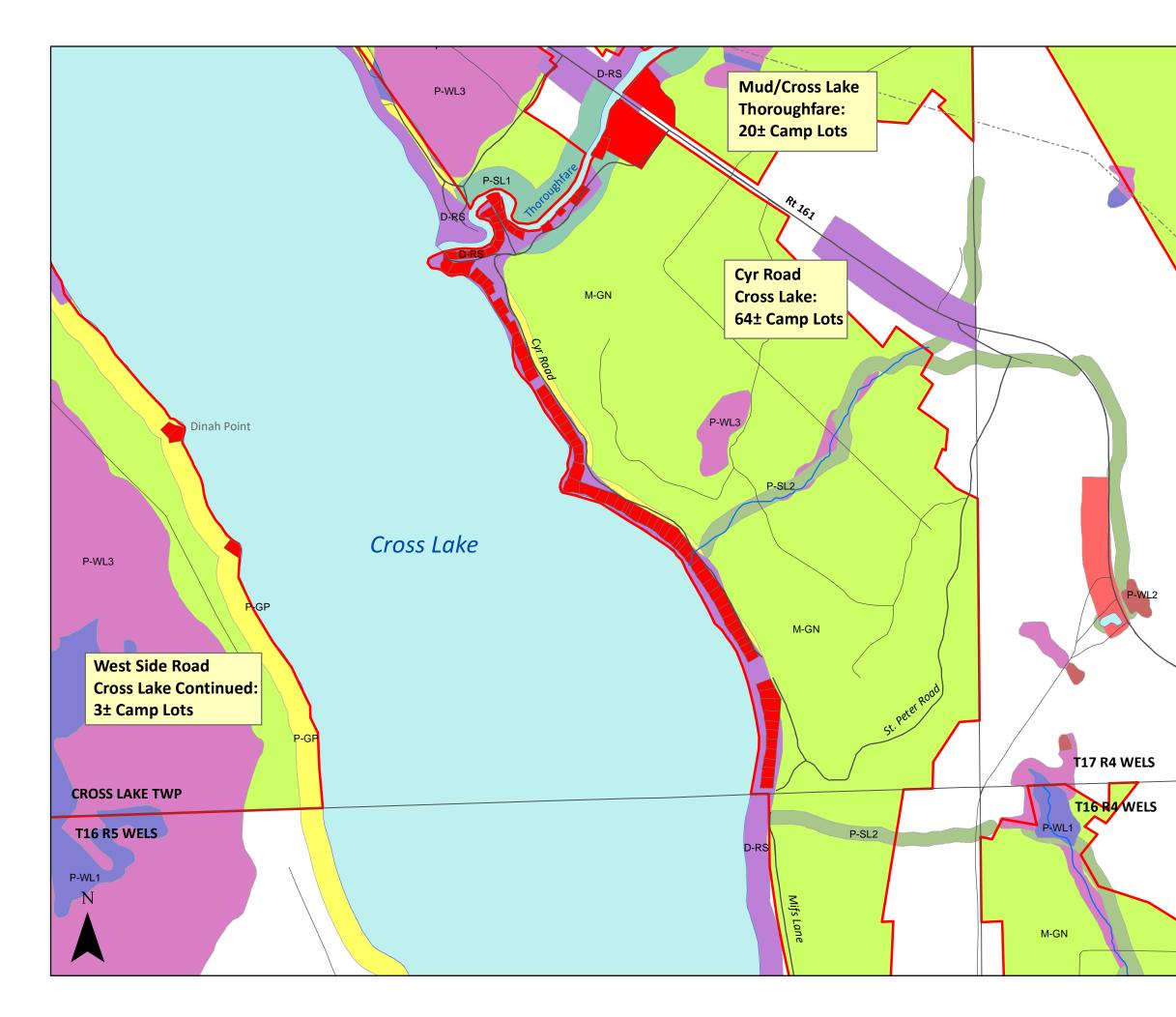
Fish River Chain of Lakes Concept Plan

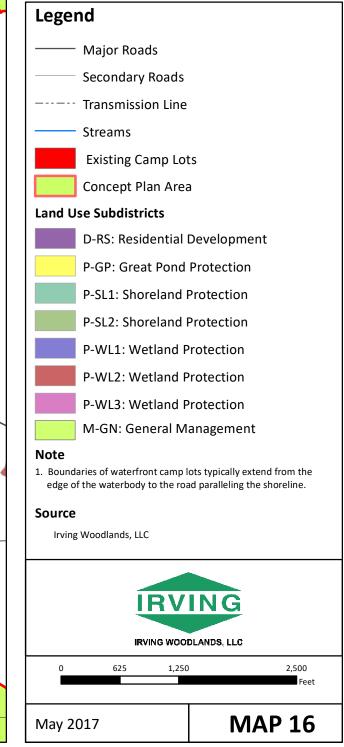
### Legend Secondary Roads Major Roads ----- Transmission Line Streams **Existing Camp Lots** Concept Plan Area Land Use Subdistricts D-GN: General Development D-RS: Residential Development P-FP: Flood Prone Protection P-GP: Great Pond Protection P-SL1: Shoreland Protection P-SL2: Shoreland Protection P-WL1: Wetland Protection P-WL3: Wetland Protection M-GN: General Management Note 1. Boundaries of waterfront camp lots typically extend from the edge of the waterbody to the road paralleling the shoreline.

#### Source

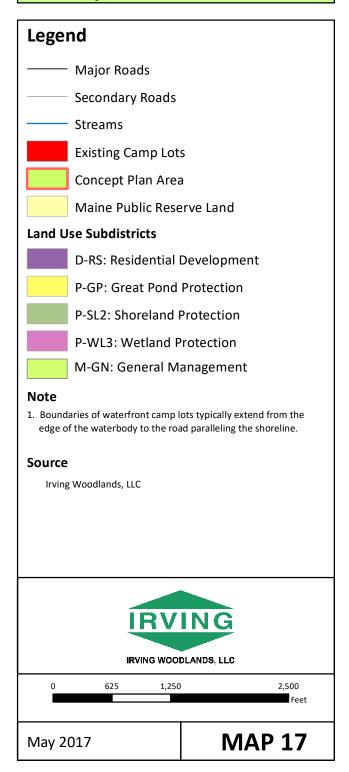
Irving Woodlands, LLC

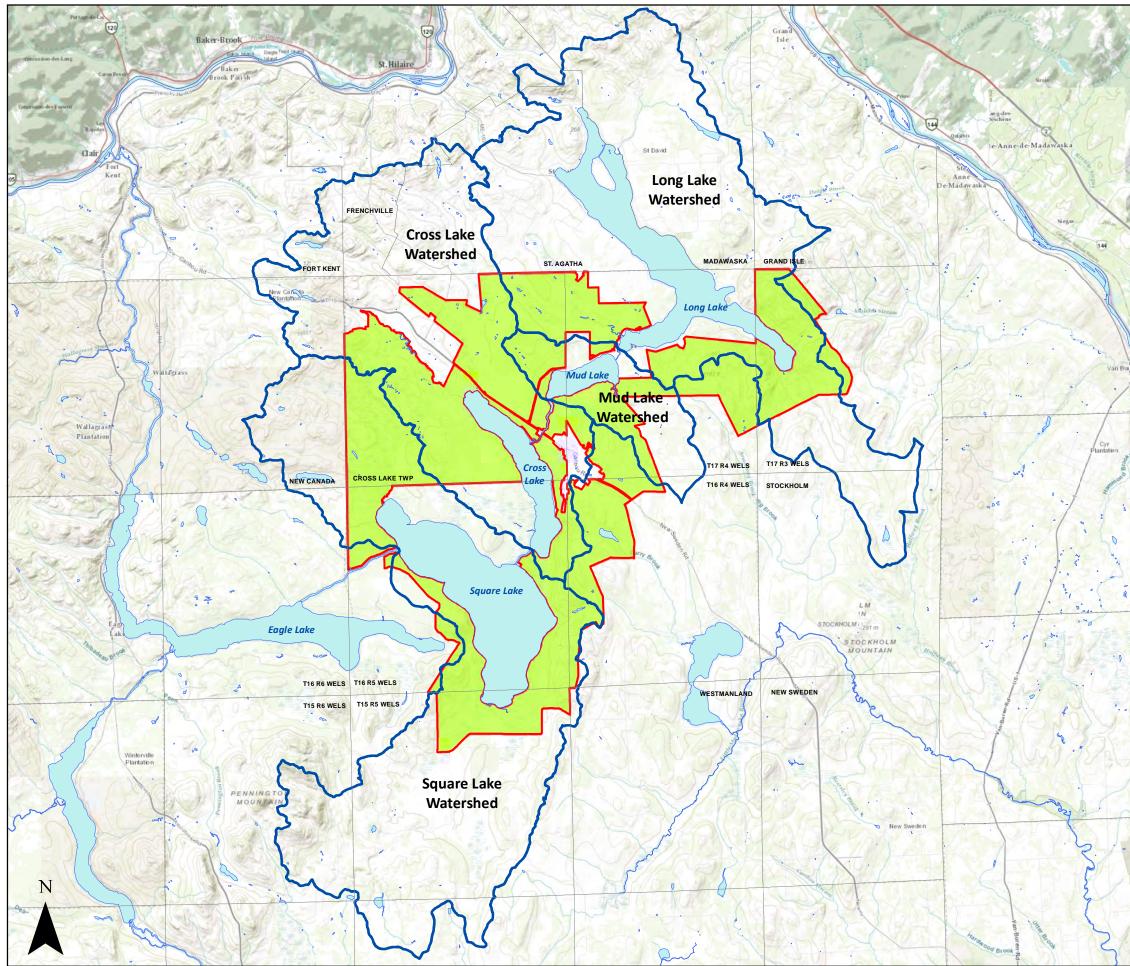














# WATERSHEDS

# Fish River Chain of Lakes Concept Plan

### Legend



Watershed

Water Bodies

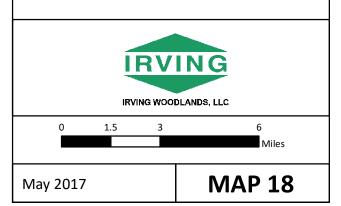
Concept Plan Area

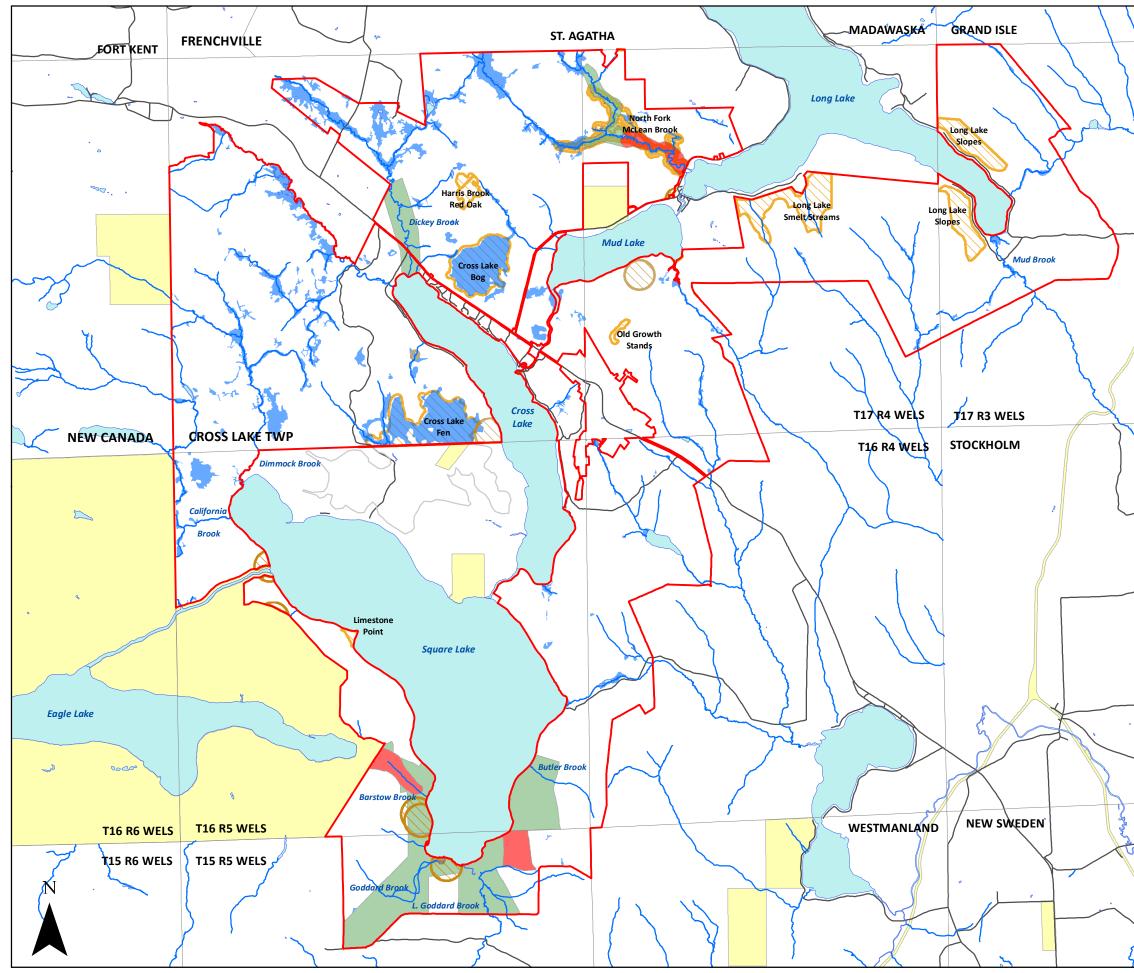
#### Watershed Acreage

| Long Lake Watershed   | 49,450 Acres |
|-----------------------|--------------|
| Mud Lake Watershed    | 7,404 Acres  |
| Cross Lake Watershed  | 37,627 Acres |
| Square Lake Watershed | 48,402 Acres |

#### Source

Irving Woodlands, LLC

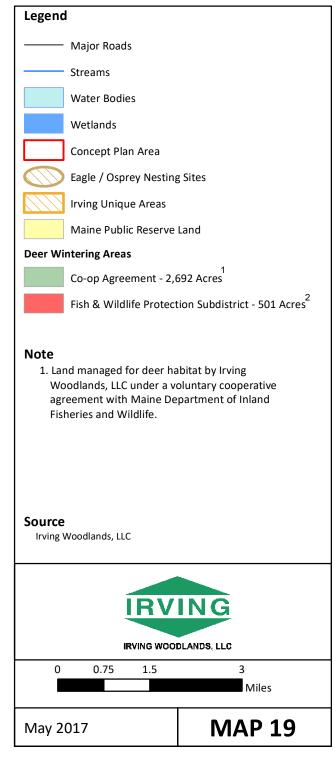


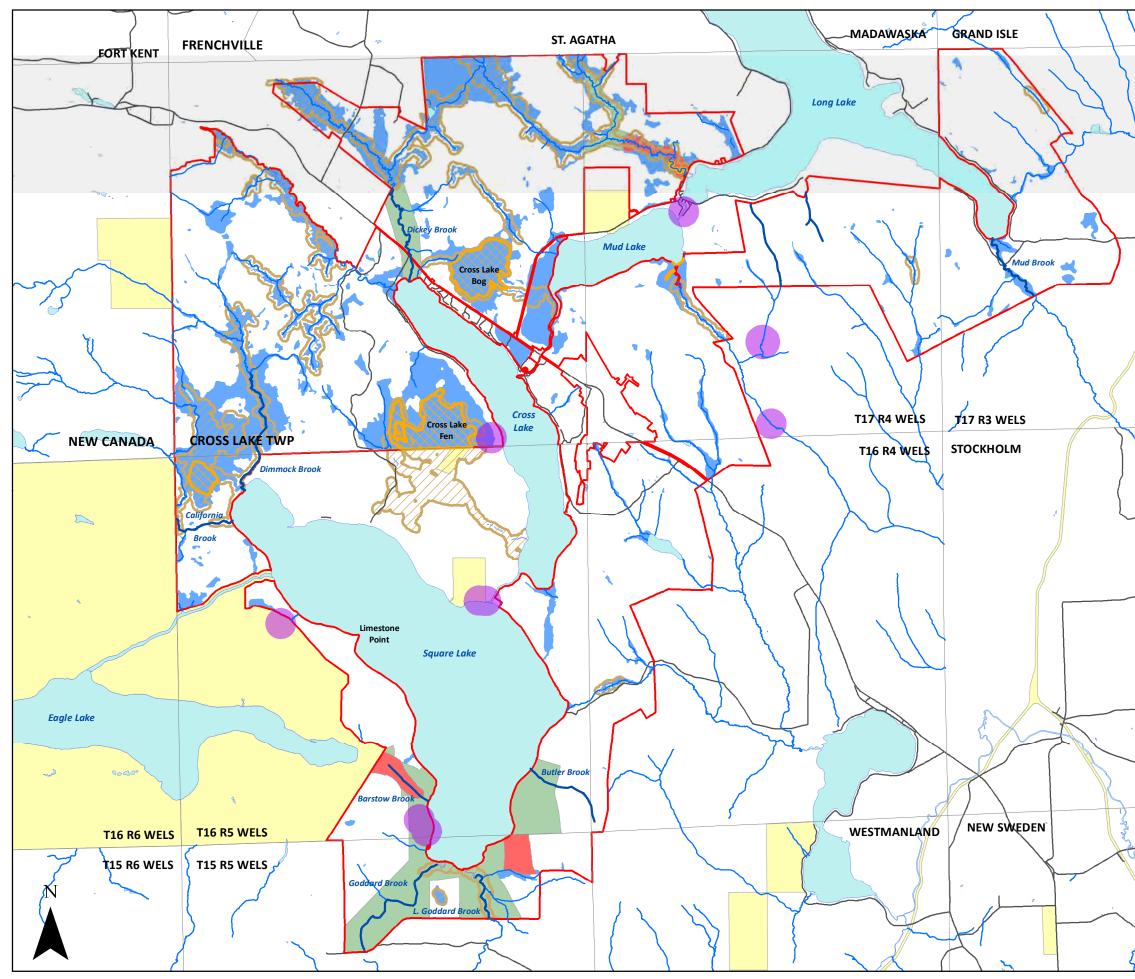




# NATURAL RESOURCES Irving Data Sources

### **Overview Map**

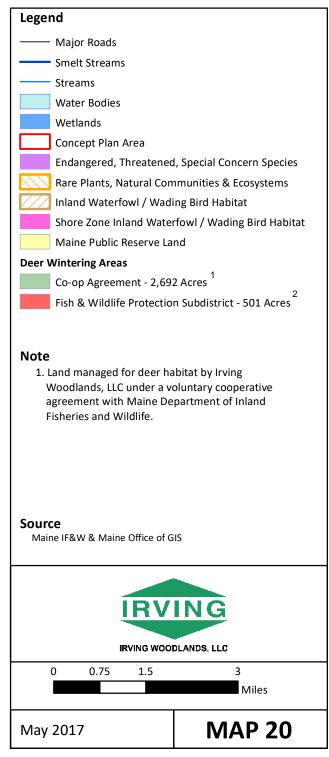


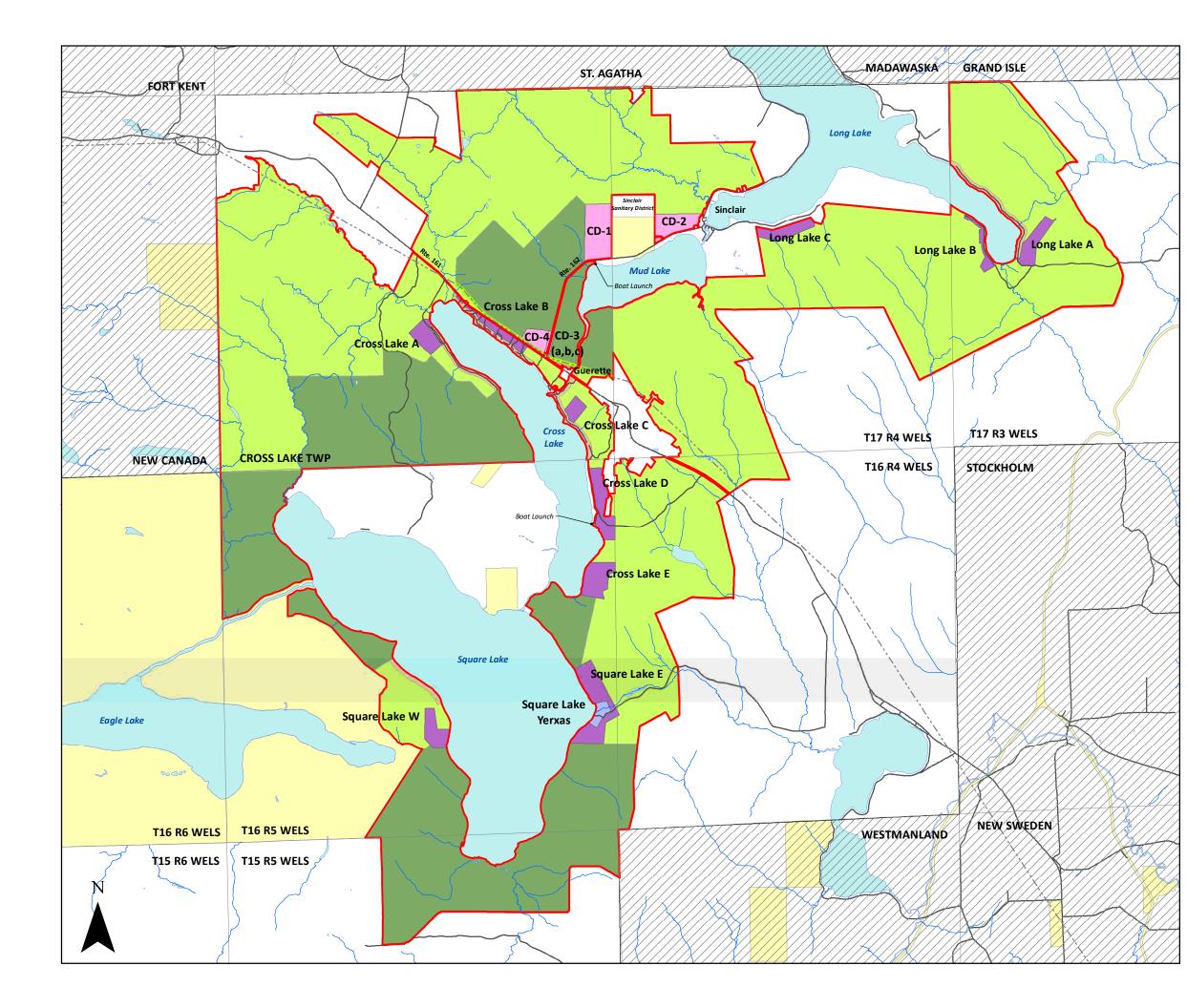




# NATURAL RESOURCES State Agency Data

### **Overview Map**





# CONCEPT PLAN SUMMARY

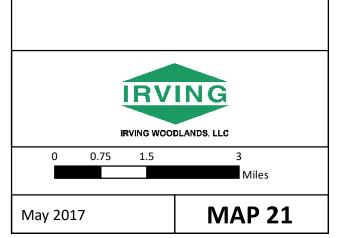
# Fish River Chain of Lakes Concept Plan

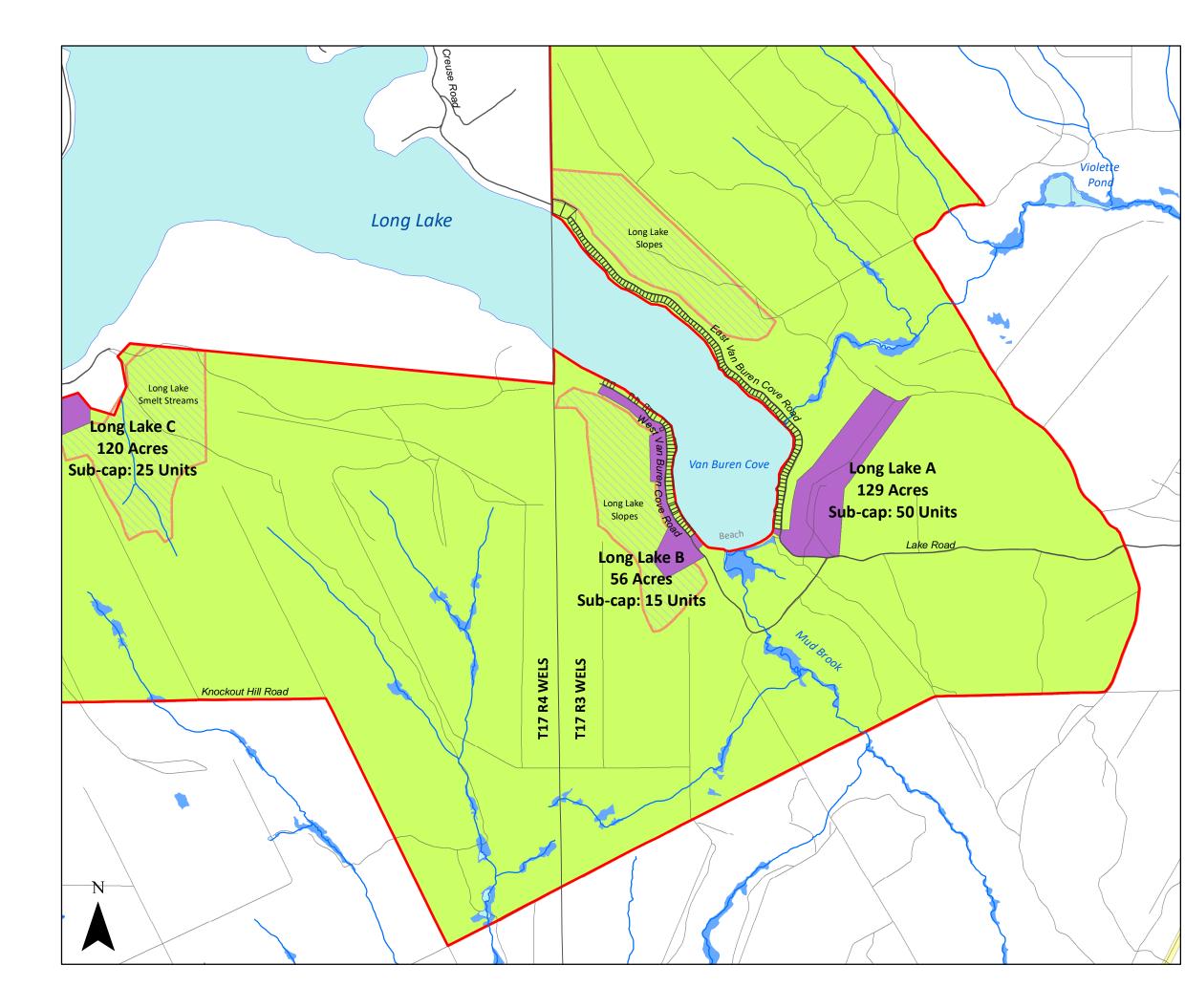
#### Legend

- Major Roads
- ----- Transmission Line
  - Streams
  - Organized Towns
  - Water Bodies
  - Proposed Comm/Econ Development Areas
  - Proposed Residential Development Areas
  - Proposed Recreational Lodging Area
  - Existing/Expanded D-FRL-RS
  - Maine Public Reserve Land
  - **Conservation Easement Area**
  - Concept Plan Area

#### Note

 The Concept Plan includes other elements (such as water access sites, outpost facilities and public elements) that are described in the Petition. See Map 33 Remote Campsites and Remote Rental Cabins and Map 34 Publicly Accessible Water Access Sites for the location of these elements.





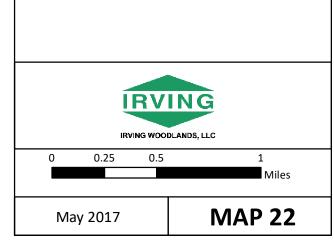
### **Detail Area A**

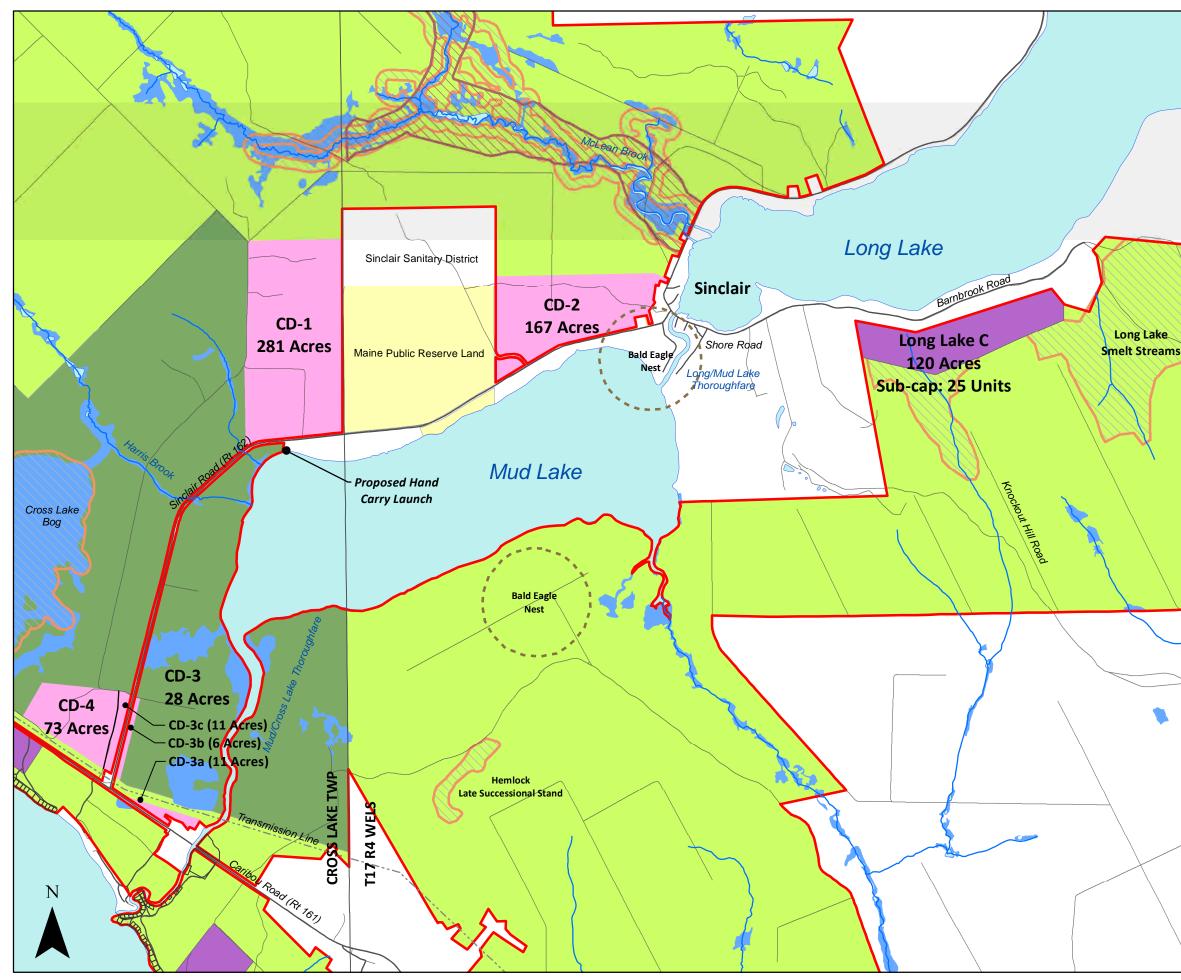
## Fish River Chain of Lakes Concept Plan

#### Legend

- Major Roads
- Secondary Roads
- Streams
- Wetlands
- Existing Camp Lots
- Proposed Residential Development Areas
- Irving Unique Areas
- Concept Plan Area

- The total number of new Development Units within the proposed residential development areas (including Square Lake Yerxas) is capped at a maximum of 330 units.
- 2. Maximum number of new Development units for Long Lake: 75 units.
- 3. See Maps 14-17 for existing zoning and Maps 27-31 for proposed land use zones.



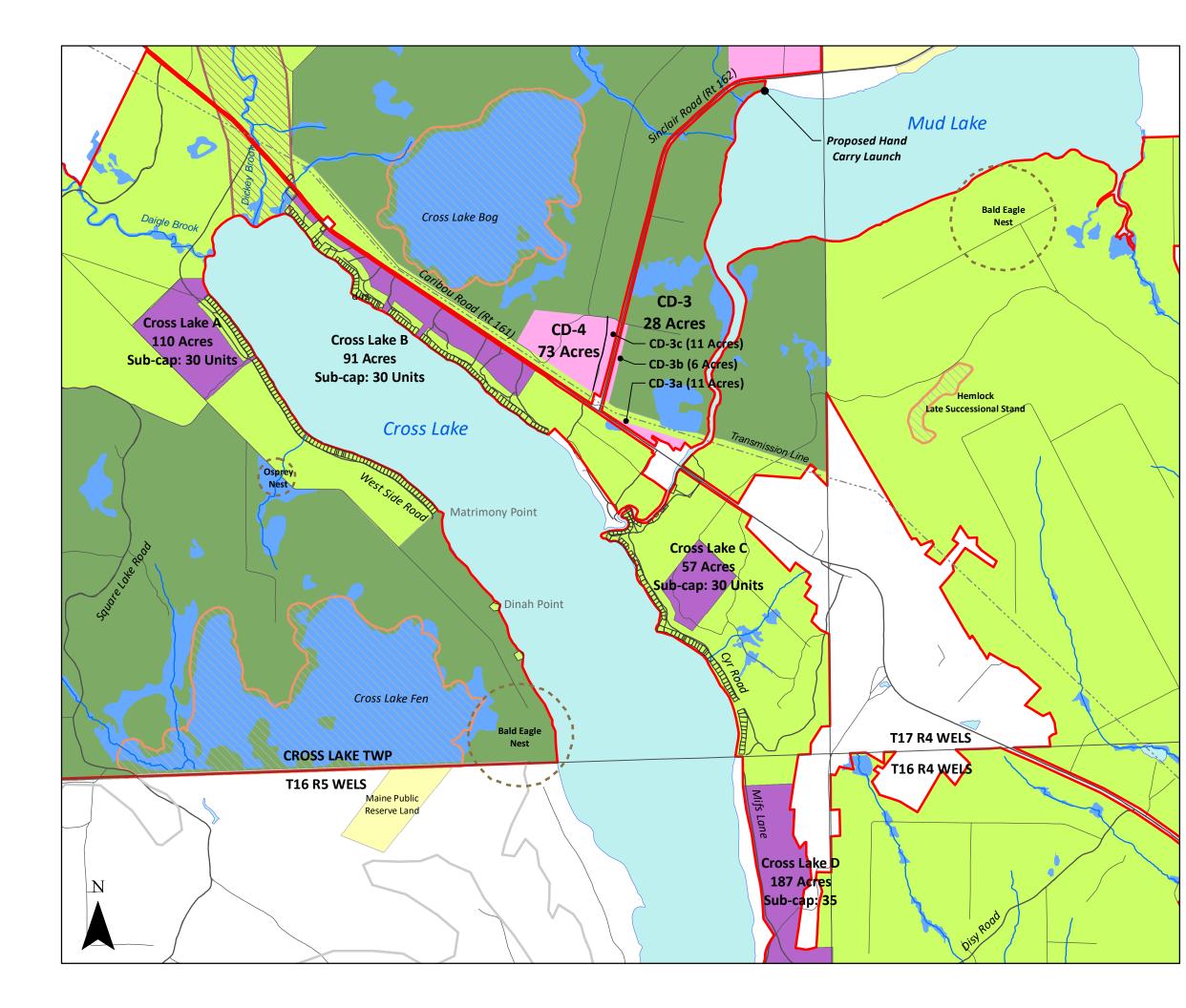


### Detail Area B

# **Fish River Chain of Lakes Concept Plan**

| Legen             | d  |                            |         |              |            |  |  |
|-------------------|--|----------------------------|---------|--------------|------------|--|--|
|                   | Major Roa  | ads                        |         |              |            |  |  |
|                   | - Secondary Roads  |                            |         |              |            |  |  |
|                   | - Transmission Line  |                            |         |              |            |  |  |
| :                 | Streams  |                            |         |              |            |  |  |
|                   | Wetlands   |                            |         |              |            |  |  |
|                   | Existing C   | amp Lot                    | S       |              |            |  |  |
|                   | Deer Wintering Areas   |                            |         |              |            |  |  |
|                   | Irving Unique Areas 🛛 🏹 Nesting Site                           |                            |         |              |            |  |  |
|                   | Proposed   | Comm/                      | Econ    | Develop      | oment Area |  |  |
|                   | Proposed Residential Development Areas                         |                            |         |              |            |  |  |
|                   | Maine Pu   | blic Rese                  | erve L  | and          |            |  |  |
|                   | Conservat  | tion Ease                  | ement   | t Area       |            |  |  |
|                   | Concept F  | Plan Area                  | а       |              |            |  |  |
| Notes             |  |                            |         |              |            |  |  |
| the pr<br>(includ | tal number o<br>oposed resid<br>ling Square La<br>um of 330 ur | ential deve<br>ake Yerxas) | lopmen  | t areas      | thin       |  |  |
|                   | um number o<br>5 units.  | of new Dev                 | elopmei | nt units for | r Long     |  |  |
| for pro           | aps 14-17 for<br>posed land u                                  | ise zones.                 | -       | -            | -31        |  |  |
|                   | ncept Plan na<br>, 3 (a,b,c), an                               |                            | density | limits for   |            |  |  |
|                   |  |                            |         |              |            |  |  |
| 0                 | 0.25   | 0.5                        |         |              | 1          |  |  |
|                   |  |                            |         |              | Miles      |  |  |
| M                 | lay 2017   |                            |         | ΜΑ           | P 23       |  |  |

Long Lake



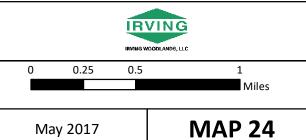
### Detail Area C

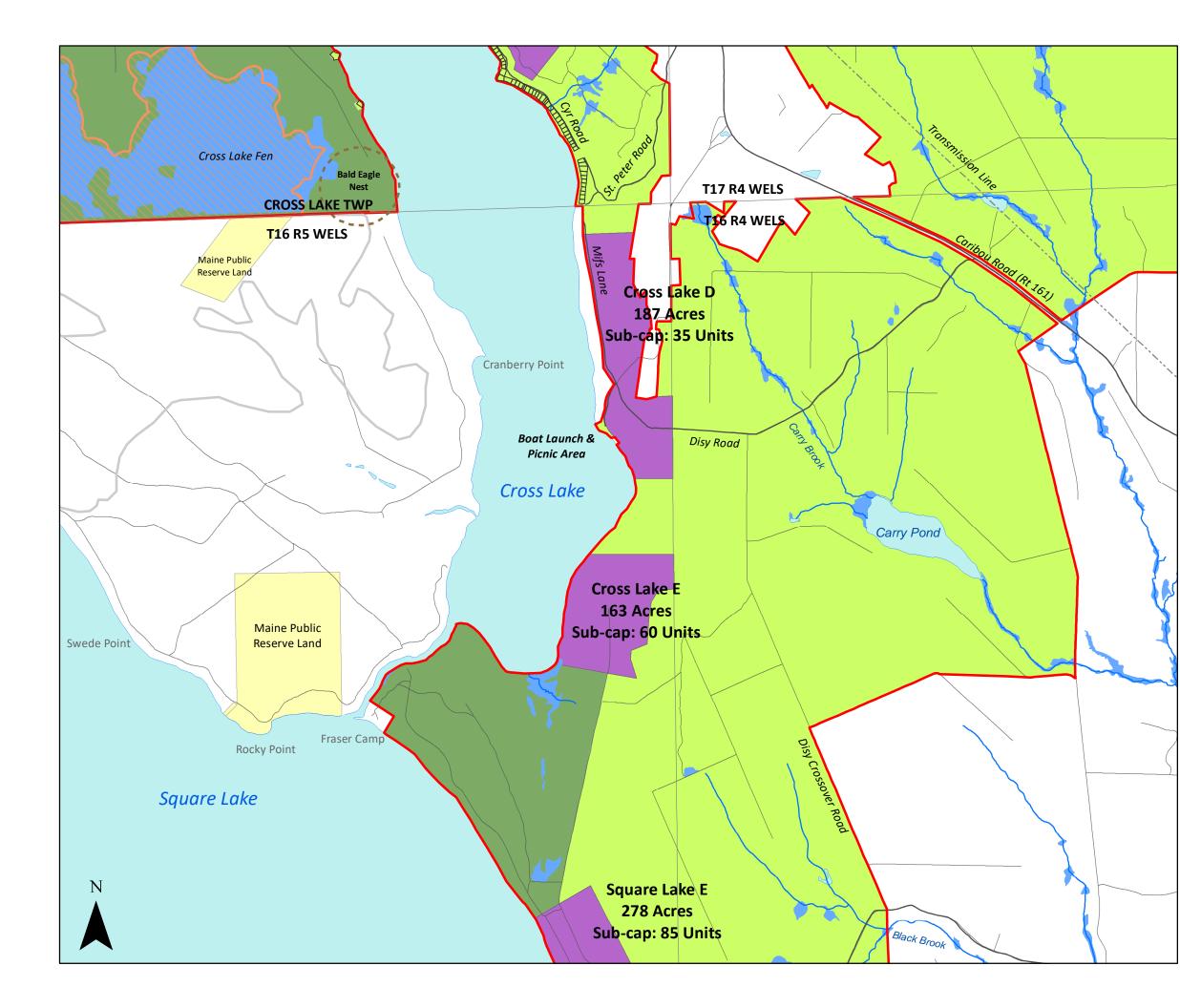
### Fish River Chain of Lakes Concept Plan

#### Legend

- Major Roads
- Secondary Roads
- ----- Transmission Line
  - Streams
  - Wetlands
  - Existing Camp Lots
  - Deer Wintering Areas
  - Irving Unique Areas 🔨 Nesting Site
  - Proposed Comm/Econ Development Areas
  - Proposed Residential Development Areas
  - Maine Public Reserve Land
  - **Conservation Easement Area**
  - Concept Plan Area

- The total number of new Development Units within the proposed residential development areas (including Square Lake Yerxas) is capped at a maximum of 330 units.
- 2. Maximum number of new Development units for Cross Lake: 125 Units.
- 3. See Maps 14-17 for existing zoning and Maps 27-31 for proposed land use zones.
- 4. See Concept Plan narrative for density limits for CD-1, 2, 3 (a,b,c), and 4.





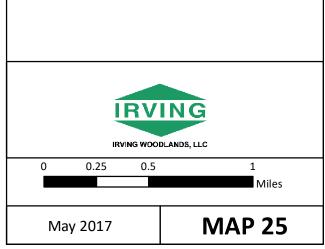
### **Detail Area D**

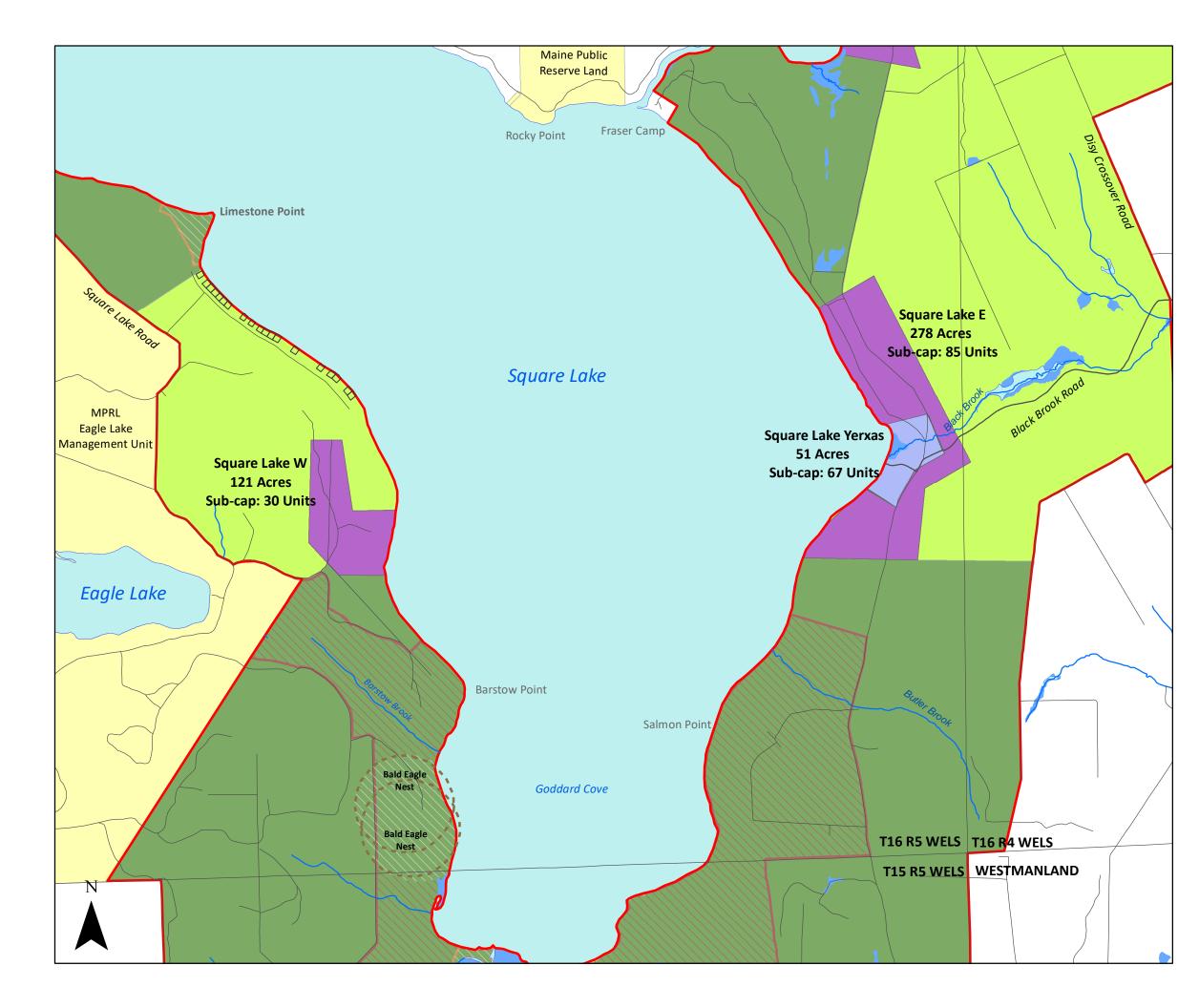
### **Fish River Chain of Lakes Concept Plan**

#### Legend

Major Roads Secondary Roads ----- Transmission Line Streams Wetlands Existing Camp Lots Irving Unique Areas 🕺 🚺 Nesting Site Proposed Residential Development Areas Maine Public Reserve Land **Conservation Easement Area Concept Plan Area** 

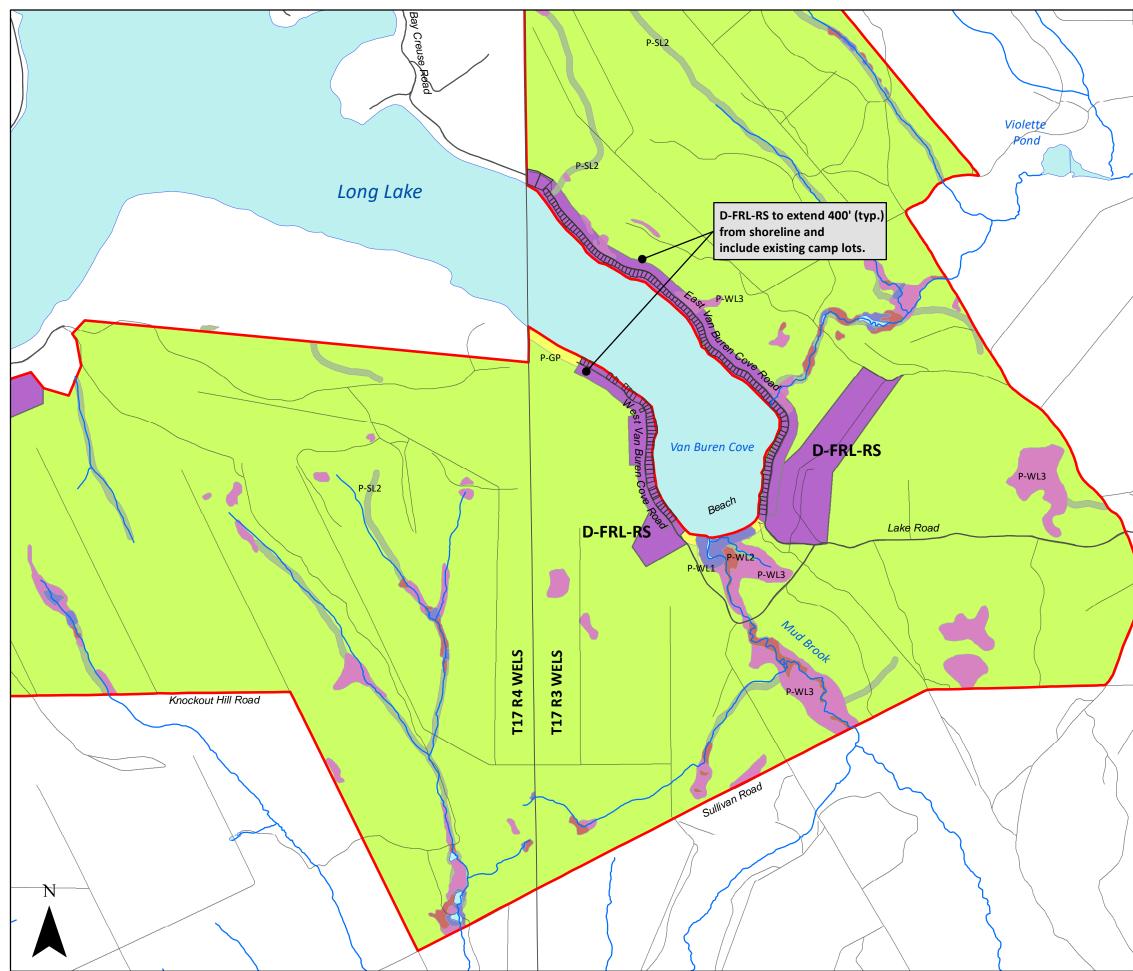
- 1. The total number of new Development Units within the proposed residential development areas (including Square Lake Yerxas) is capped at a maximum of 330 units.
- 2. Maximum number of new Development units for Cross Lake: 125 Units.
- 3. See Maps 14-17 for existing zoning and Maps 27-31 for proposed land use zones.





### Detail Area E

| Legend  |
|---|
| ——— Major Roads   |
| Secondary Roads   |
| Streams   |
| Wetlands  |
| Existing Camp Lots  |
| Irving Unique Areas C Nesting Site  |
| Deer Wintering Areas  |
| Proposed Residential Development Areas  |
| Proposed Recreational Dev. Lodging Area   |
| Maine Public Reserve Land   |
| Conservation Easement Area  |
| Concept Plan Area   |
| Notes   |
| <ol> <li>The total number of new Development units within<br/>the proposed residential development areas<br/>(including Square Lake Yerxas) is capped at a<br/>maximum of 330 units.</li> </ol> |
| <ol> <li>Maximum number of new Development units for<br/>Square Lake: 130 Units.</li> </ol>   |
| <ol> <li>See Maps 14-17 for existing zoning and Maps 27-31<br/>for proposed land use zones.</li> </ol>  |
| IRVING WOODLANDS, LLC   |
| 0 0.25 0.5 1<br>Miles   |
| May 2017 MAP 26   |



Detail Plan A

Fish River Chain of Lakes Concept Plan

#### Legend

- Major Roads

Secondary Roads

Existing Camp Lots

Concept Plan Area

Proposed M-FRL-GN

Proposed D-FRL-RS

P-GP: Great Pond Protection

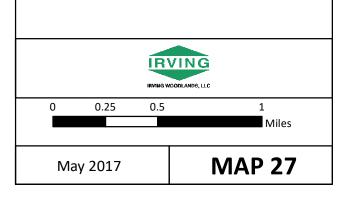
P-SL2: Shoreland Protection

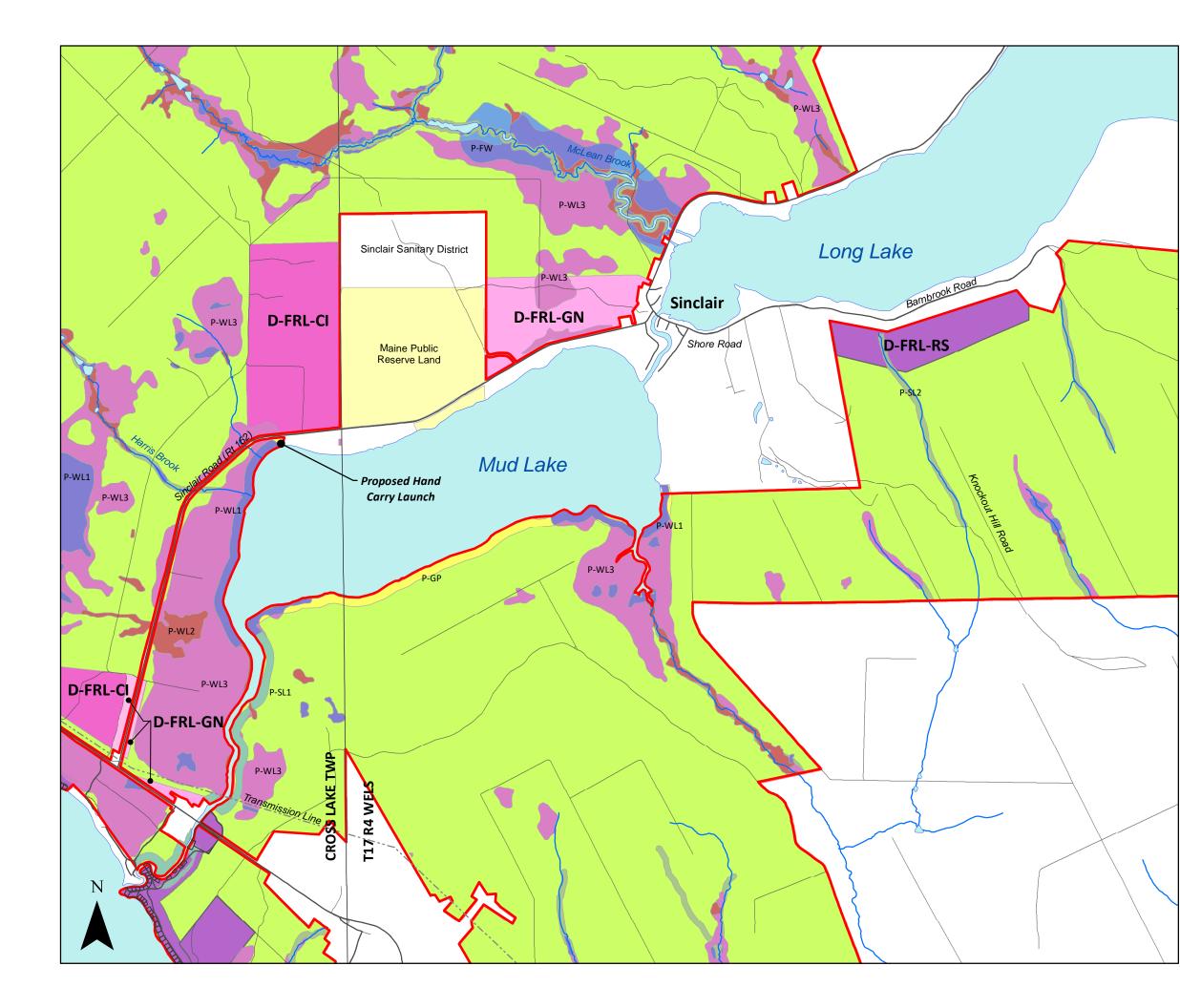
P-WL1: Wetland Protection

P-WL2: Wetland Protection

P-WL3: Wetland Protection

- 1. Plan area will be rezoned to P-RP (Resource Plan Protection)
- 2. Proposed D-FRL-RS includes lands currently zoned D-RS



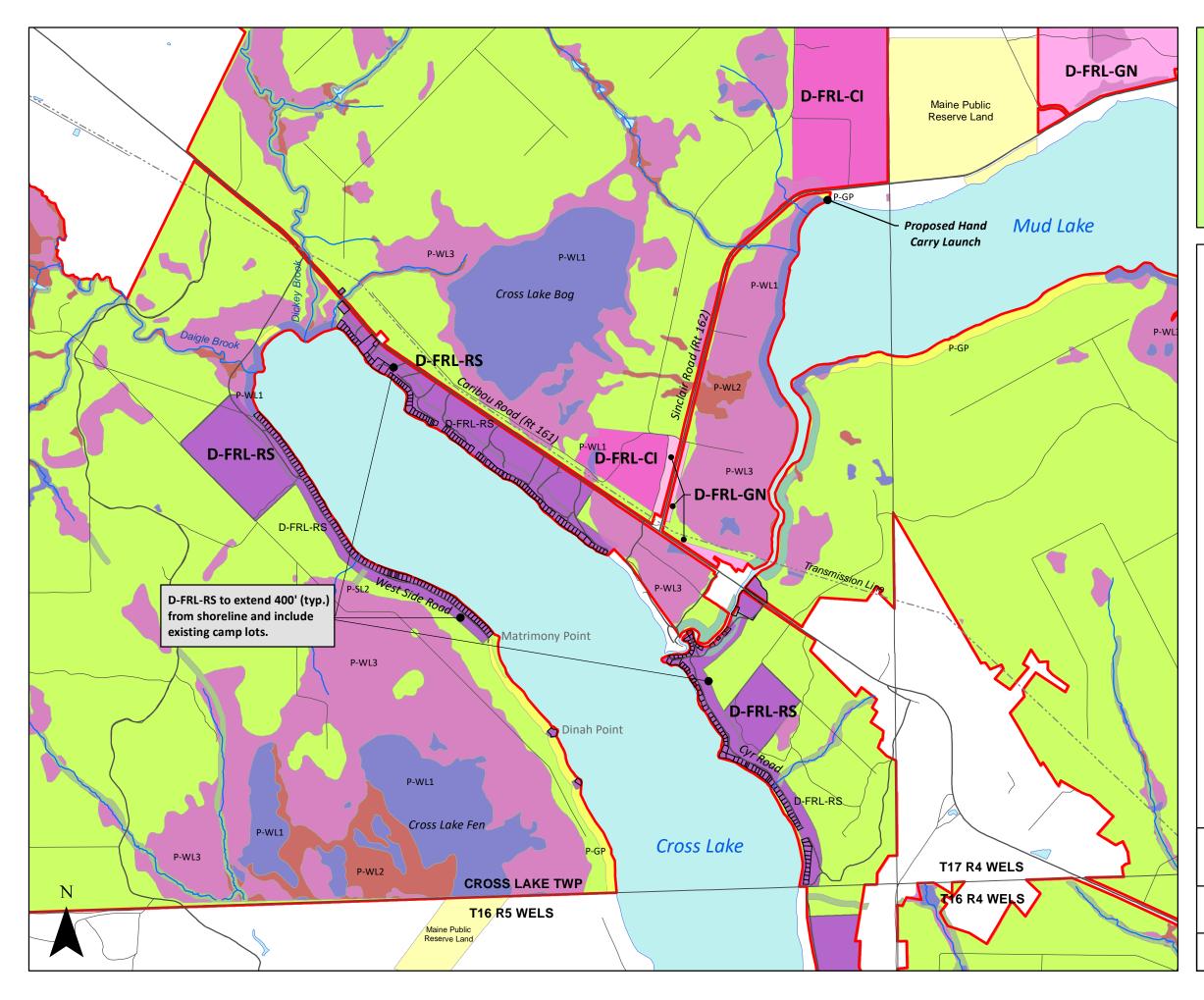


Detail Plan B

Fish River Chain of Lakes Concept Plan

### Legend

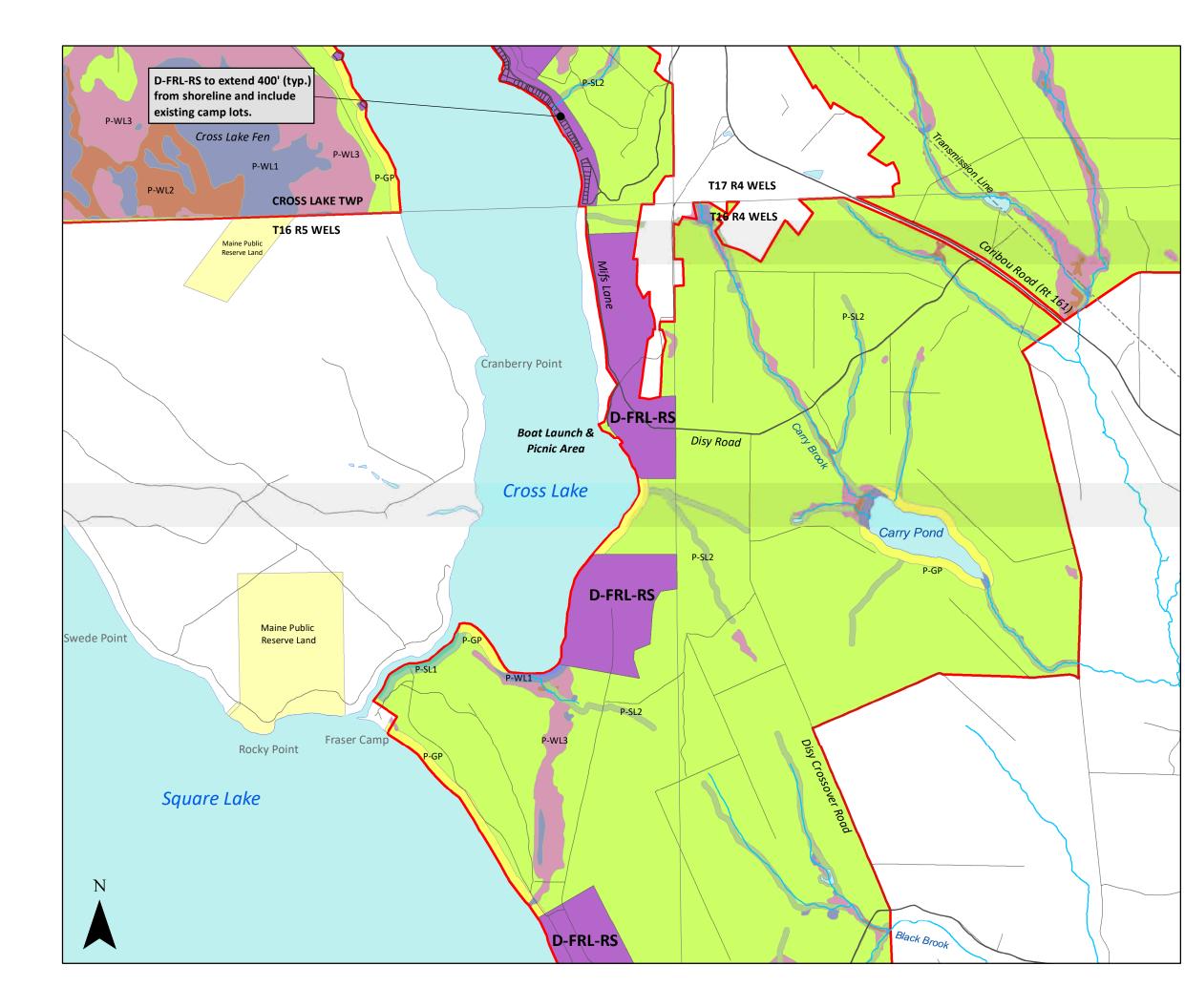




### **Detail Plan C** Fish River Chain of Lakes Concept Plan

### Legend





Detail Plan D

Fish River Chain of Lakes Concept Plan

#### Legend

Major Roads

Roads

----- Transmission Line

Existing Camp Lots Concept Plan Area

Proposed M-FRL-GN

Proposed D-FRL-RS

Maine Public Reserve Land

P-GP: Great Pond Protection

P-SL1: Shoreland Protection

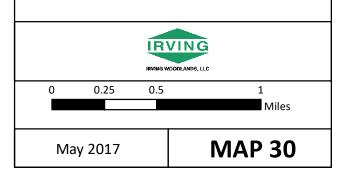
P-SL2: Shoreland Protection

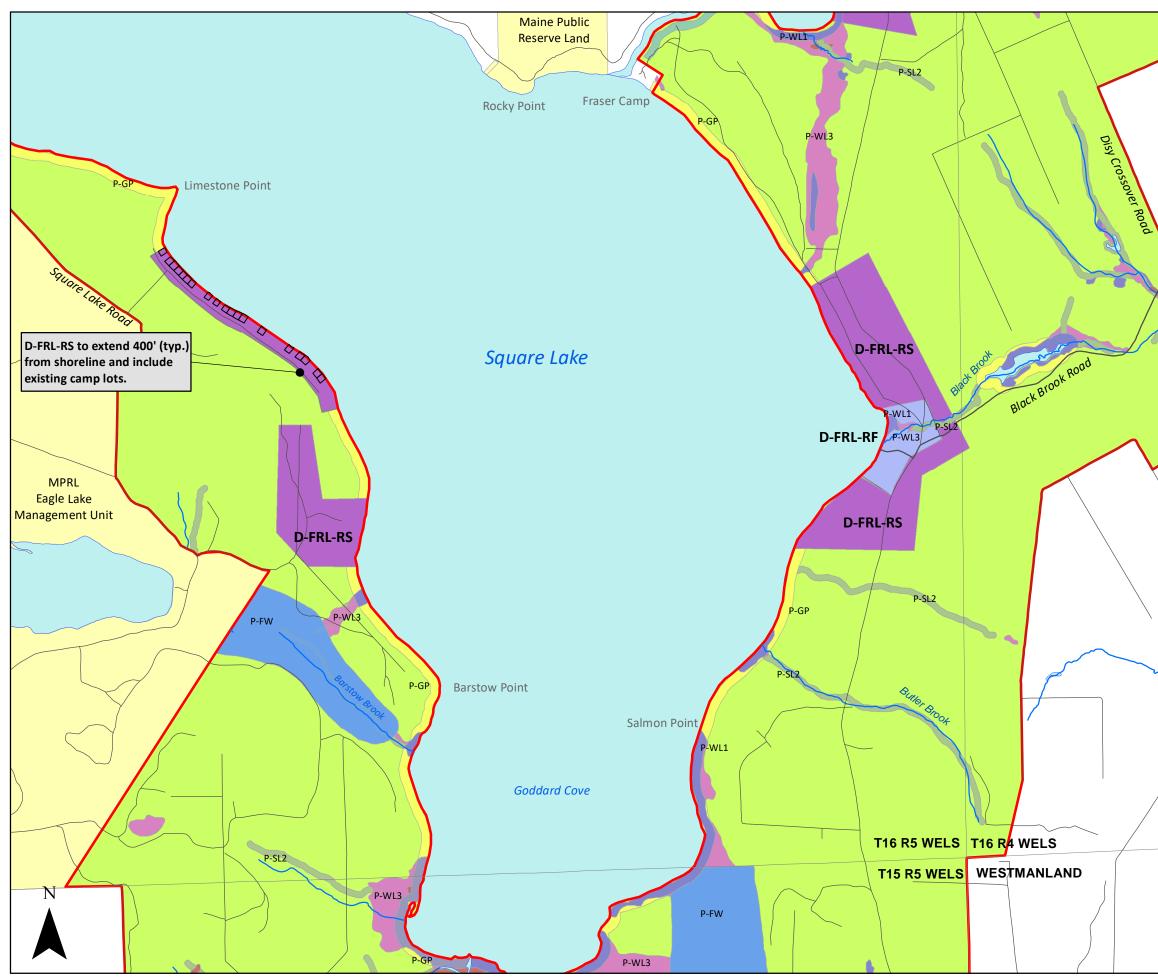
P-WL1: Wetland Protection

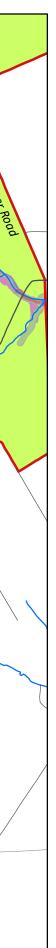
P-WL2: Wetland Protection

P-WL3: Wetland Protection

- 1. Plan area will be rezoned to P-RP (Resource Plan Protection)
- 2. Proposed D-FRL-RS includes lands currently zoned D-RS







Detail Plan E

Fish River Chain of Lakes Concept Plan

### Legend

Major Roads

Roads

**Existing Camp Lots** 

Concept Plan Area

Proposed M-FRL-GN

Proposed D-FRL-RS

Proposed D-FRL-RF (Yerxas)

Maine Public Reserve Land

P-FW: Fish/Wildlife Protection

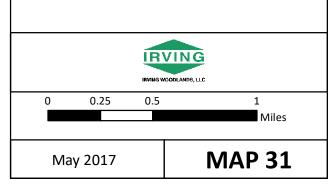
P-GP: Great Pond Protection

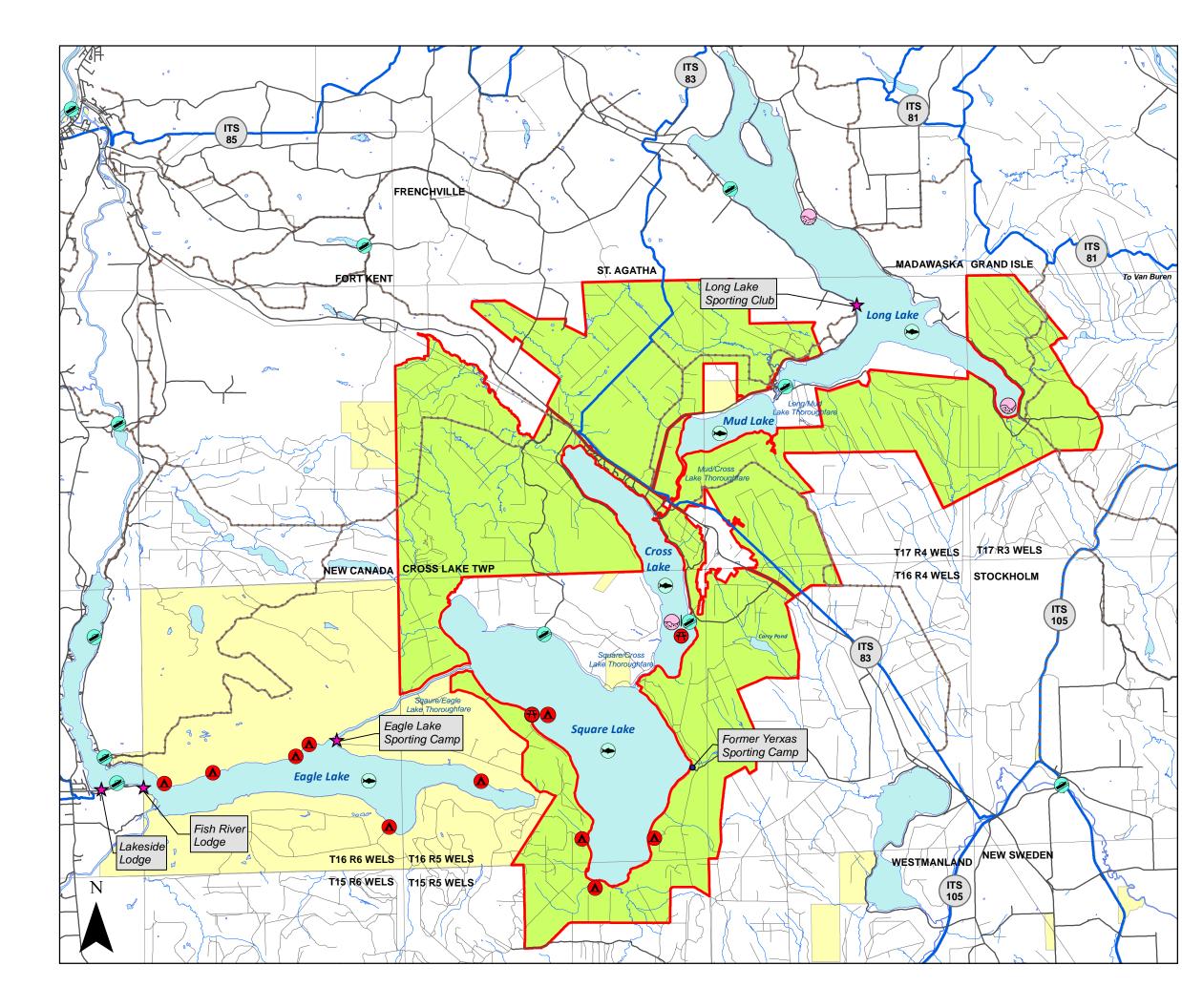
P-SL2: Shoreland Protection

P-WL1: Wetland Protection

P-WL3: Wetland Protection

- 1. Plan area will be rezoned to P-RP (Resource Plan Protection)
- 2. Proposed D-FRL-RS includes lands currently zoned D-RS



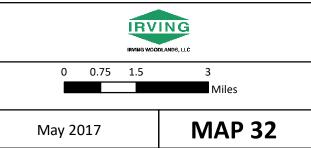


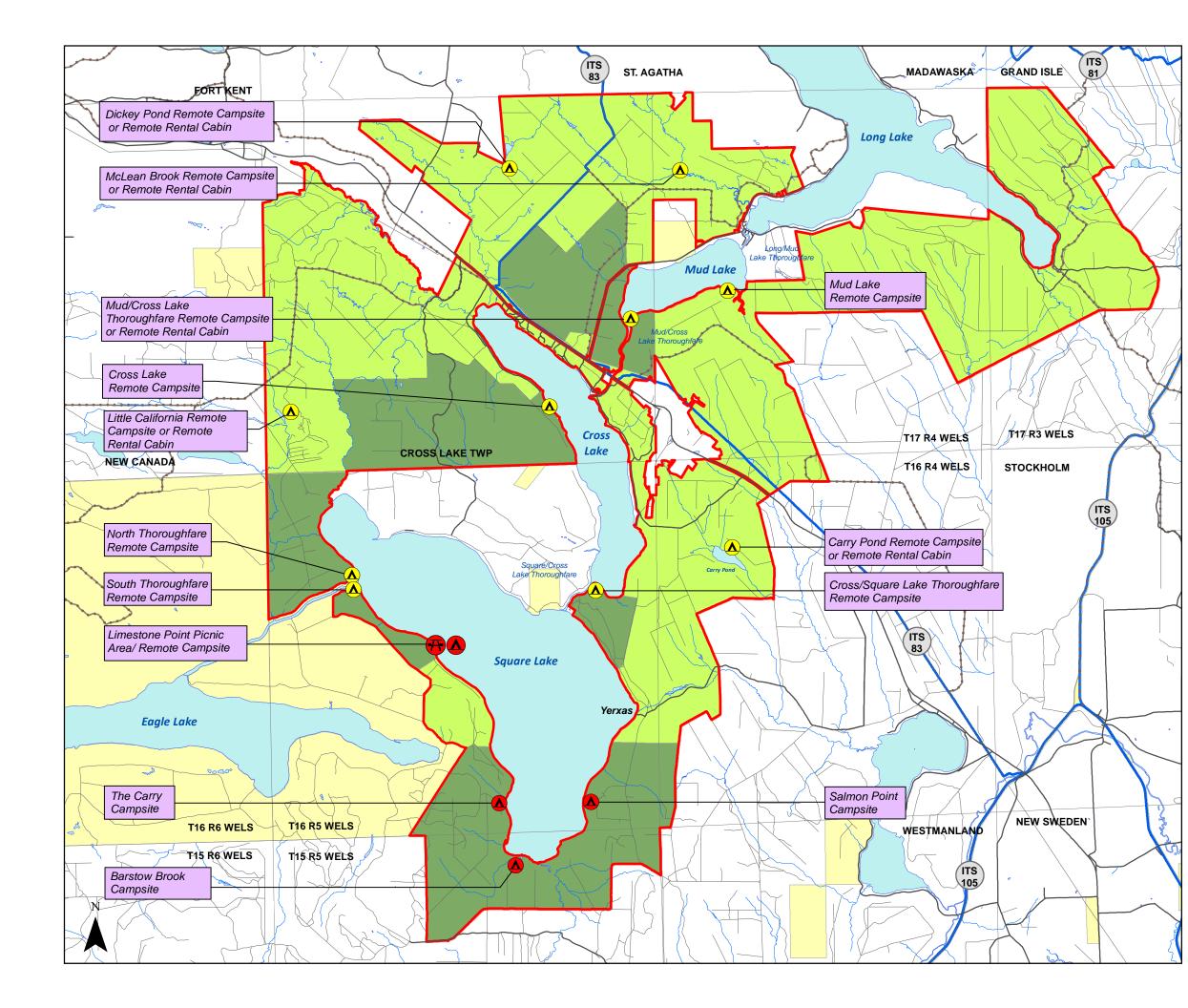
# EXISTING RECREATIONAL RESOURCES

## Fish River Chain of Lakes Concept Plan

#### Legend $\bigcirc$ Picnic Area Beach Fishing & Ice Fishing ☆ Activity Hub Campsite Ø Boat Launch Major Roads ITS Snowmobile Trails Local Snowmobile Routes/ATV Trails Streams Secondary Roads Maine Public Reserve Land Concept Plan Area Notes

- Snowmobile map from Northern Maine Snowmobile Trails 2016-2017, Aroostook County Tourism, www.visitaroostook.com
- 2. ATV map from Aroostook County ATV Trails, Aroostook County Tourism, www.visitaroostook.com
- Trail information is representative and may evolve over time, subject to landowner permissions and other factors. See Concept Plan narrative.



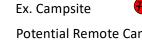


# **Remote Campsites** and Remote Rental **Cabins**

### **Fish River Chain of Lakes Concept Plan**

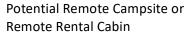
#### Legend







📅 Ex. Picnic Area



Major Roads

Streams

Secondary Roads

**ITS Snowmobile Trails** 

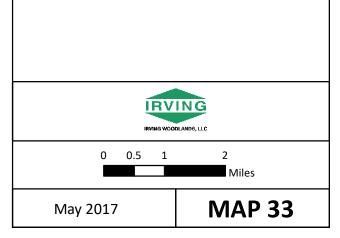
Local Snowmobile Routes/ATV • • • • • • Trails

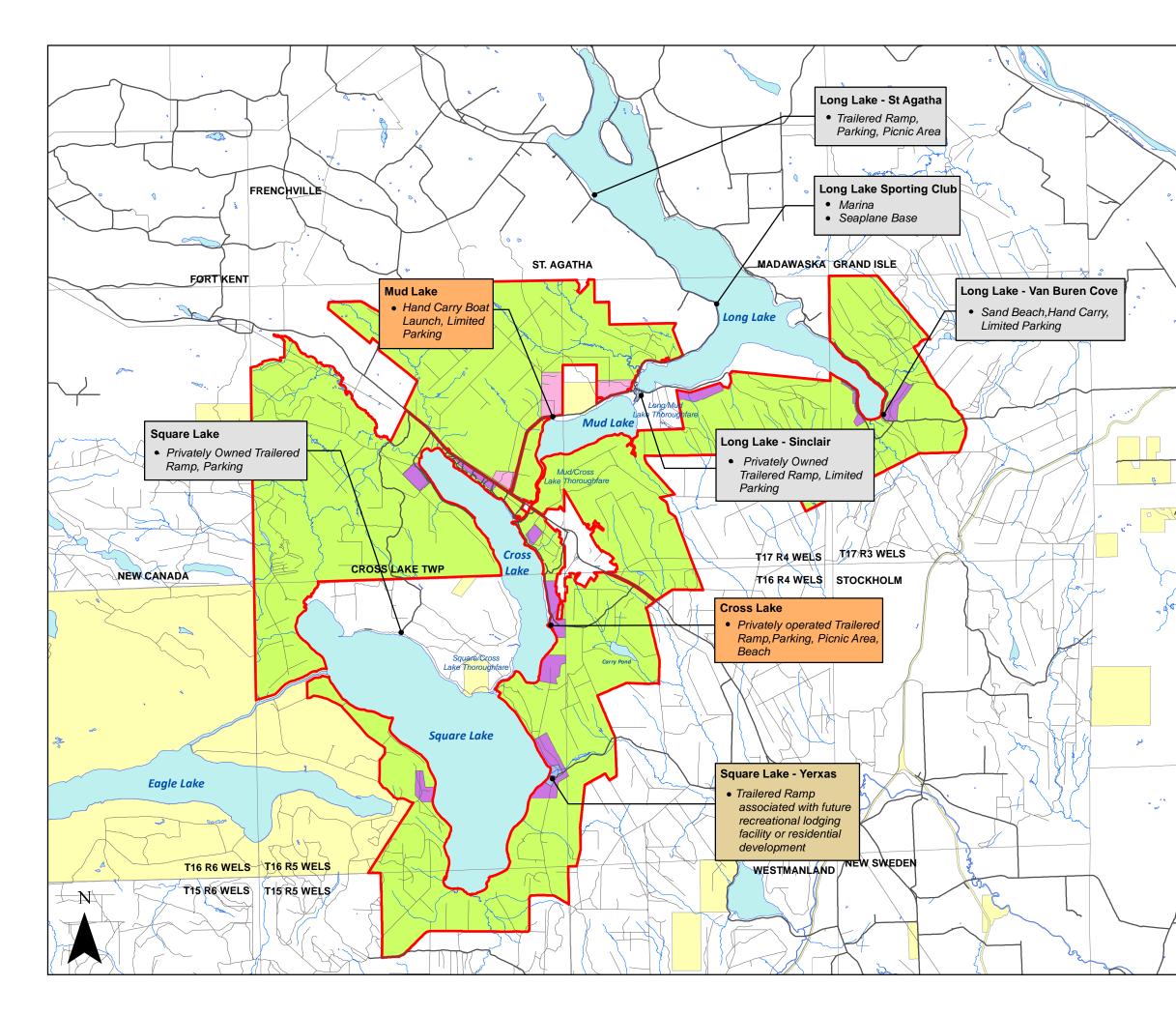
Permanent Conservation

Maine Public Reserve

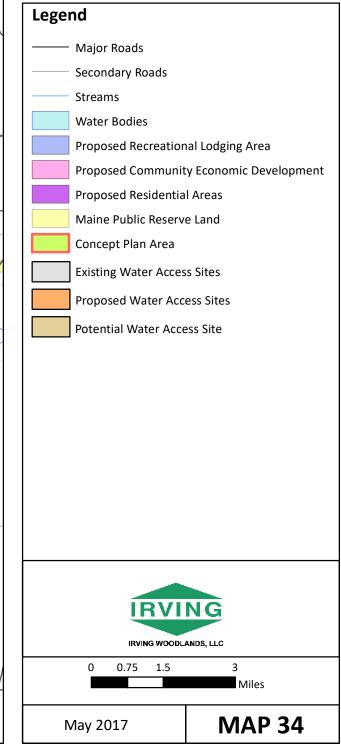
**Concept Plan Area** 

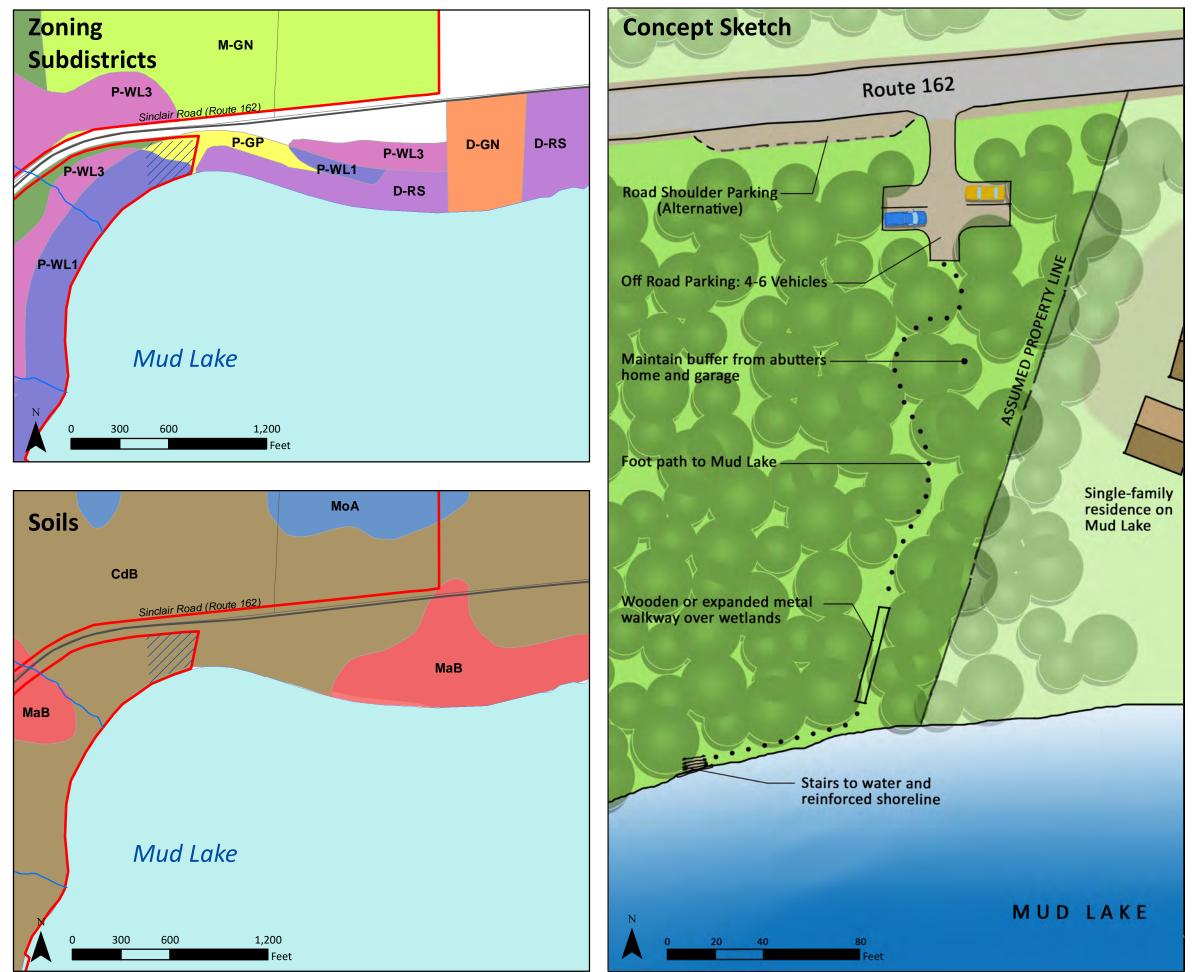
- 1. See Concept Plan narrative for specific details.
- 2. Locations for all potential Remote Campsites and Remote Rental Cabins are approximate.





# Publicly Accessible Water Access Sites

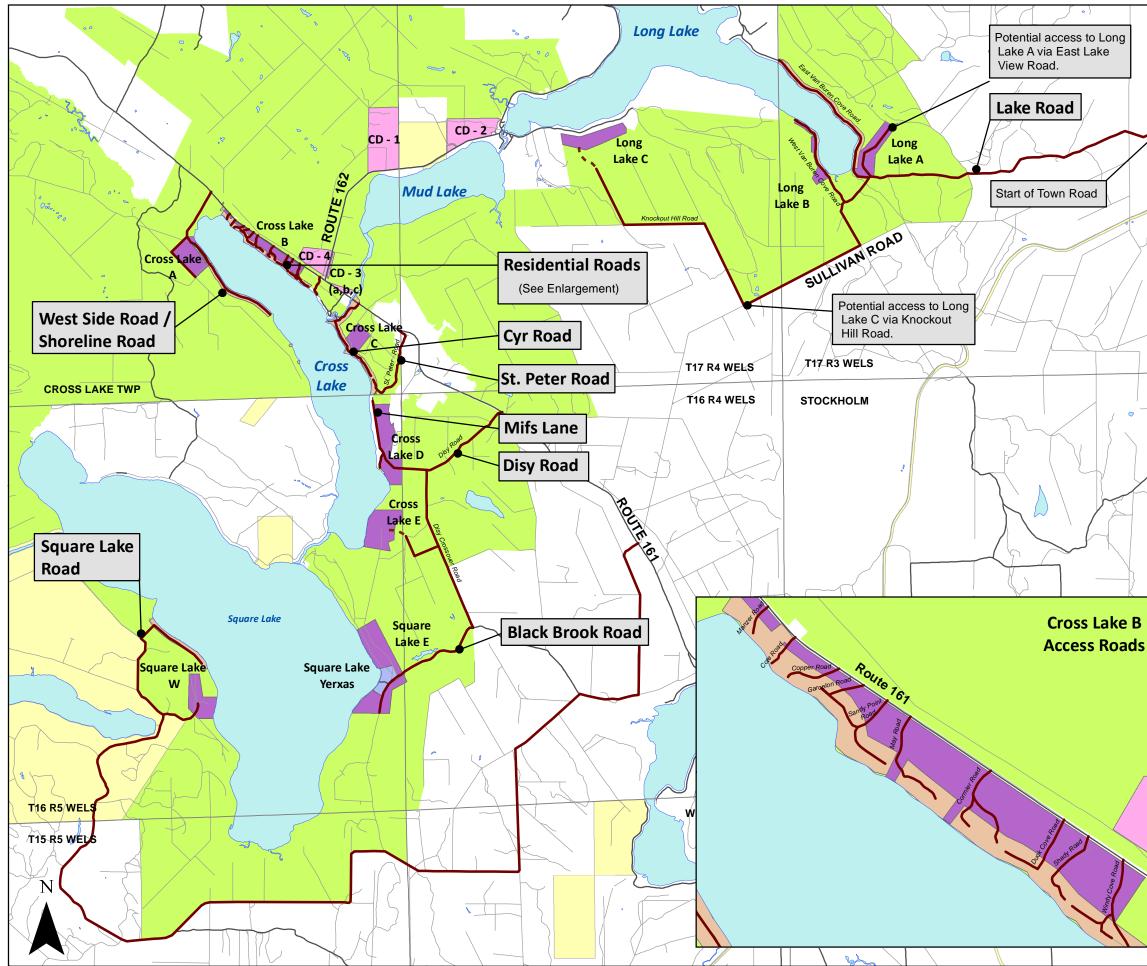




**MUD LAKE** WATER ACCESS

# **Fish River Chain of Lakes Concept Plan**

# Legend Major Roads Secondary Roads Streams Concept Plan Area M-GN: General Management Potential Water Access Area **Zoning Subdistricts** D-GN: General Development D-RS: Residential Development P-GP: Great Pond Protection P-WL1: Wetland Protection P-WL3: Wetland Protection Soils (NRCS Survey NE Aroostook Cty.) CdB: Canandaigue Silt Loam MaB: Machias Gravelly Loam MoA: Monarda-Burnham Complex Note 1. Petitioners are committed to seek permits to construct a hand-carry launch on the western end of Mud Lake within 24 months of the effective date of the Concept Plan. Construction of the launch will begin within 12 months of the approval of all applicable permits. See Mud Lake Concept Sketch for a conceptual design. **IRVING** IRVING WOODLANDS, LLC **MAP 35** May 2017





# ACCESS TO DEVELOPMENT AREAS

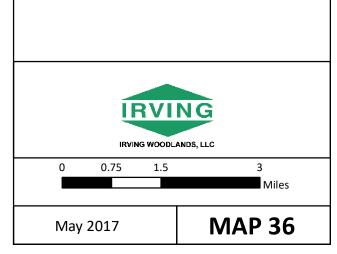
# Fish River Chain of Lakes Concept Plan

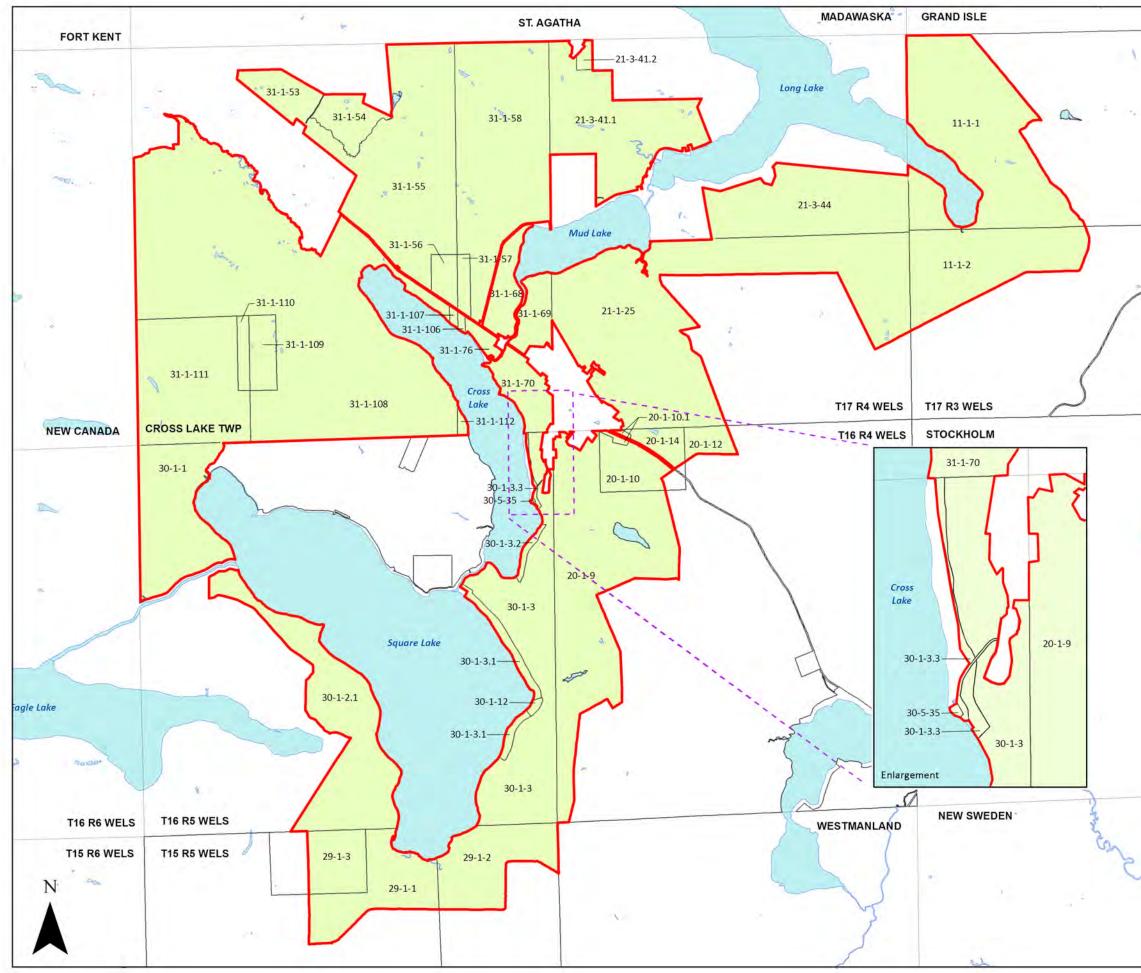
## Legend

- Potential Access to Development Areas
   Existing Woods Road
- Proposed D-FRL-RF (Yerxas)
- Proposed Comm/Econ Development Areas
- Proposed Residential Development Areas
- Existing/Expanded D-FRL-RS
- Maine Public Reserve Land
- Concept Plan Area

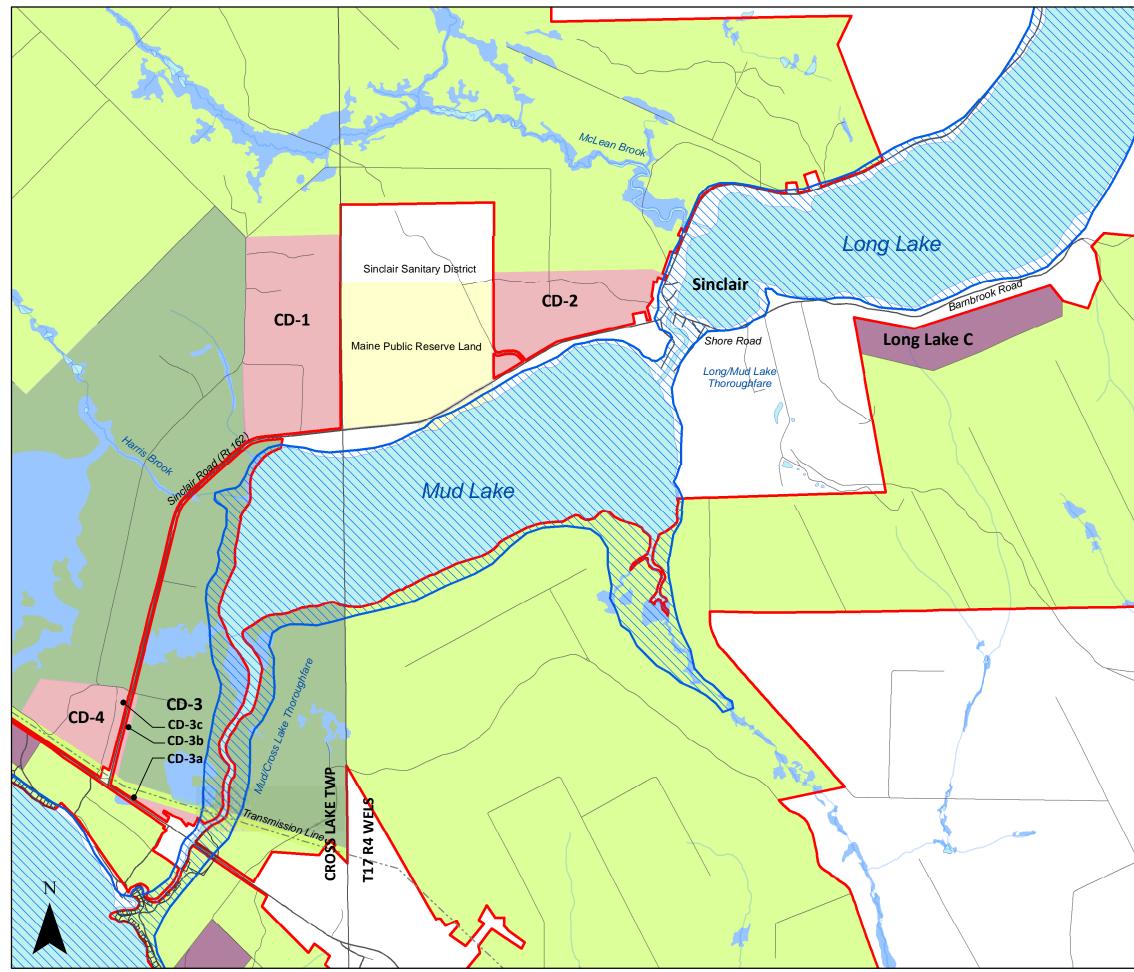
#### Notes

- 1. Access to CD-1, 2, 3(a,b,c), and 4 to be off State Roads or other existing roads.
- 2. Petitioners can not grant access over the Maine Public Reserve Land.





| DEED<br>REFERENCES  |
|---|
| Fish River Chain of Lakes<br>Concept Plan                               |
| Legend<br>Water Bodies<br>Concept Plan Area<br>30-5-35 Map - Plan - Lot |
|   |
| IRVING WOODLANDS, LLC   |
| May 2017 MAP 37   |



# 

# FEMA FLOOD ZONE

# Detail Area A

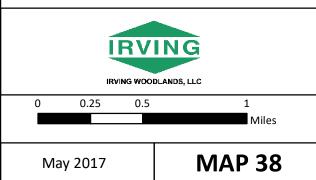
# Fish River Chain of Lakes Concept Plan

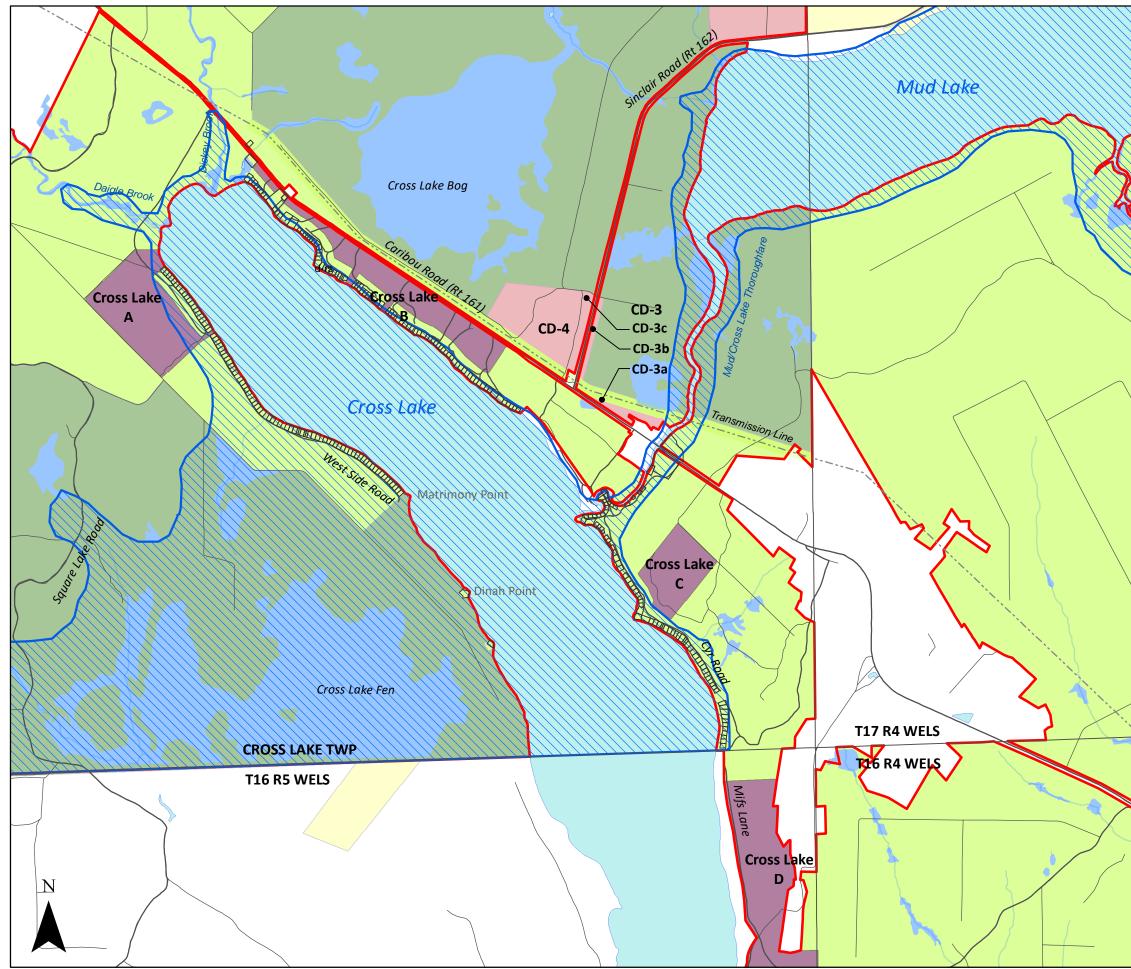
#### Legend

- Major Roads
- Secondary Roads
- ----· Transmission Line
- 🚫 FEMA Flood Zone A
- Wetlands
- Proposed Comm/Econ Development Areas
- Proposed Residential Areas
- Maine Public Reserve Land
- Conservation Easement Area
- Camp Lots
- Concept Plan Area

#### Notes

- 1. As of March 2017, FEMA Mapping not available for the eastern end of Long Lake, southern end of Cross Lake, or any of Square Lake.
- Information on FEMA Flood Zones from Department of Housing and Urban Development, Federal Insurance Administration, Community No. 230453, Township of T-17-R4 WELS, ME, February 7, 1975, and Community No. 230454, Township of T-17-R5 WELS, ME, February 19, 1987.
- 3. Base flood elevation for both Long Lake & Mud Lake is 586 feet.







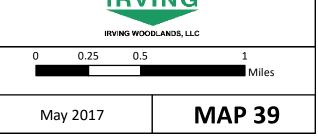
# FEMA FLOOD ZONE

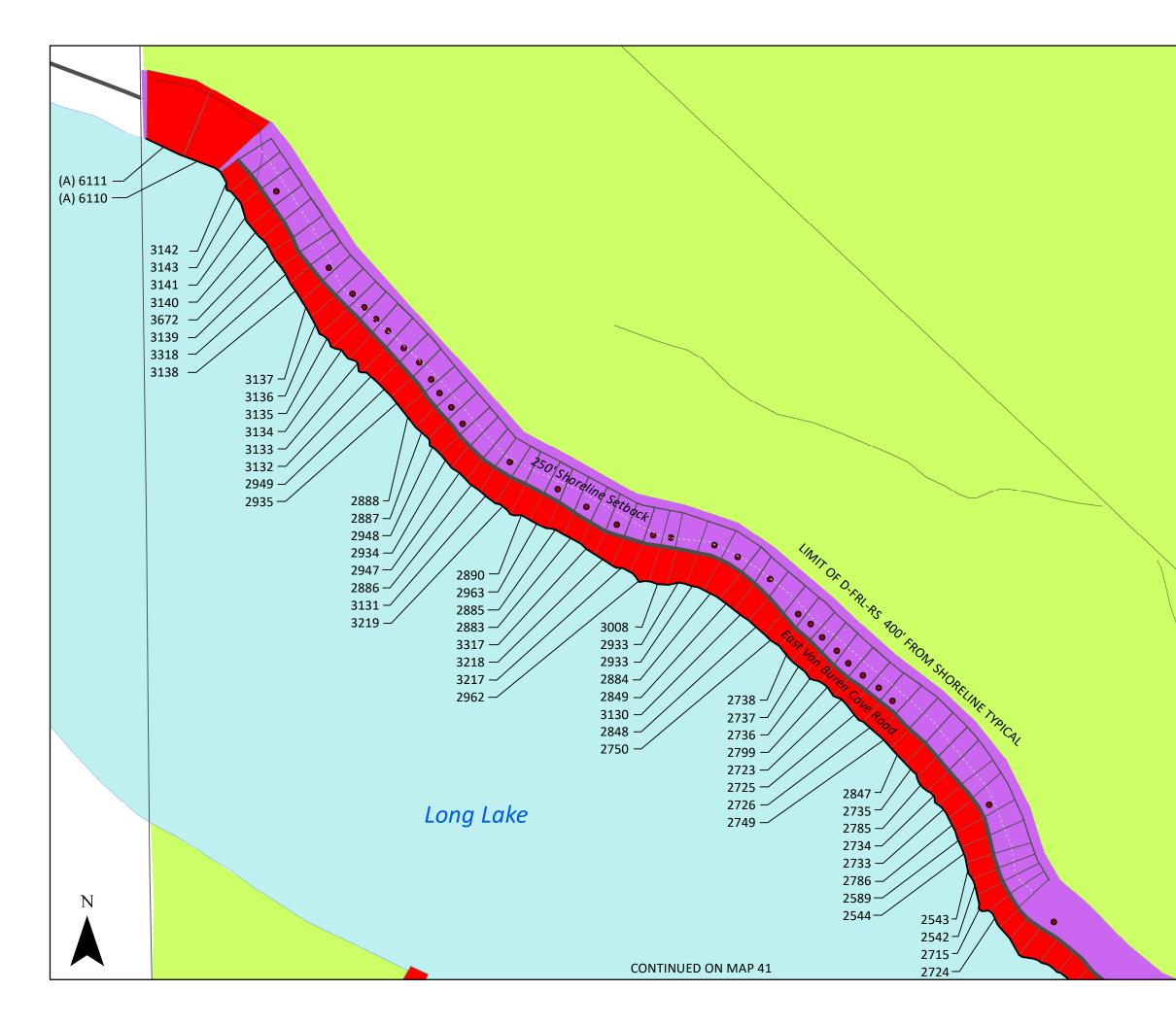
# Detail Area B

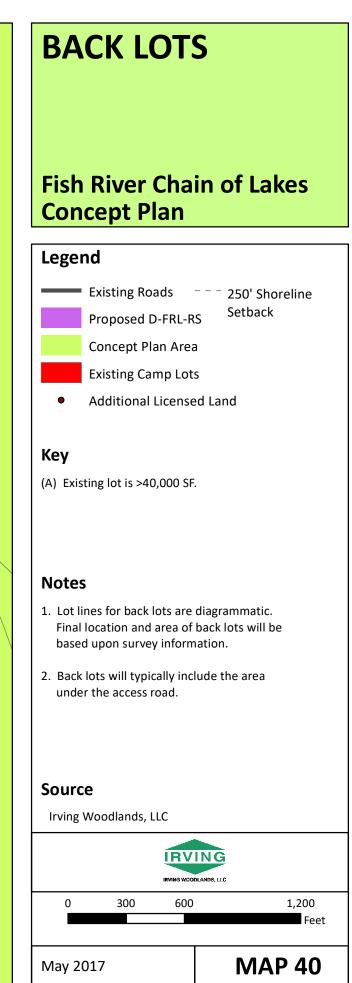
# Fish River Chain of Lakes Concept Plan

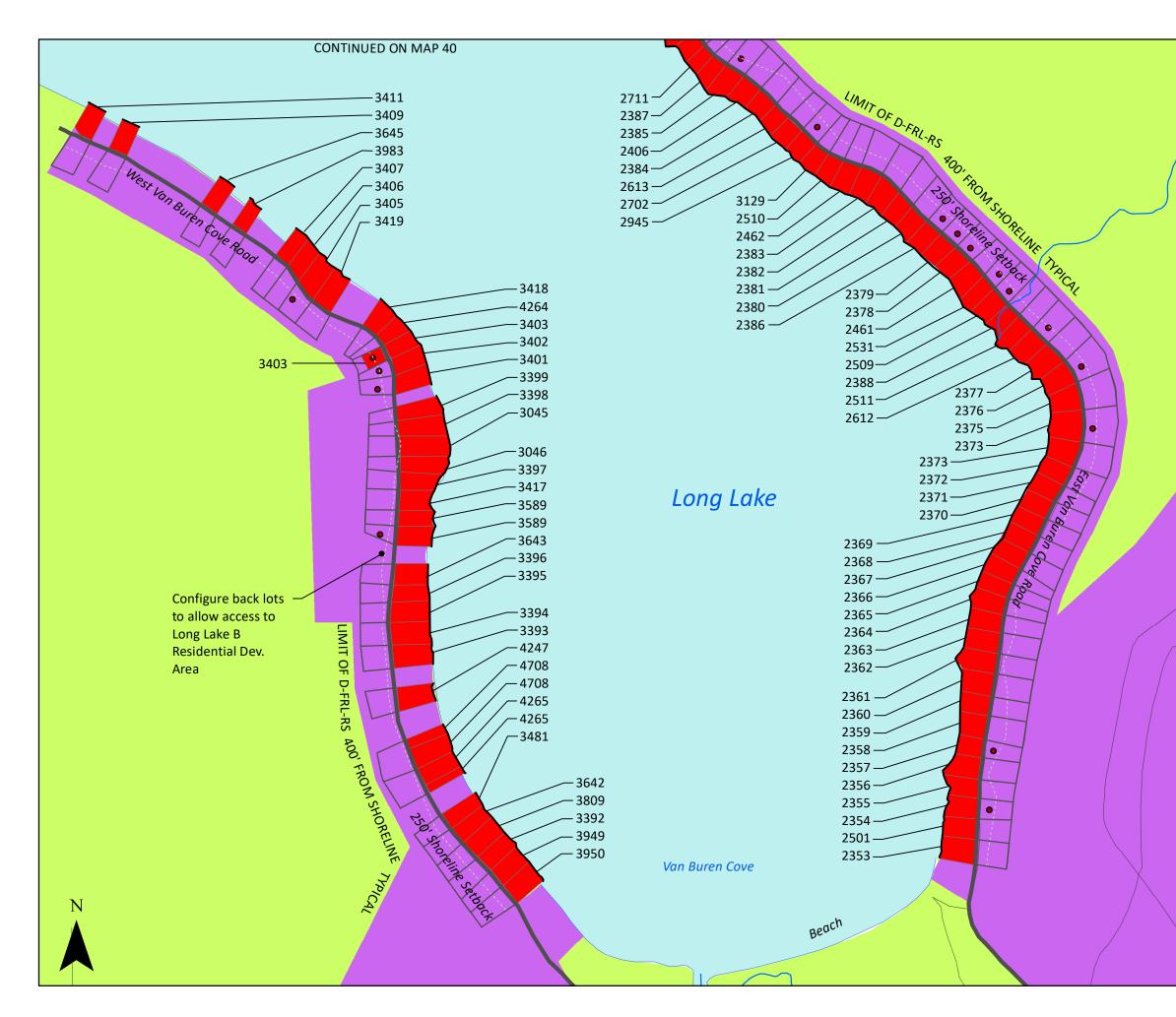
#### Legend

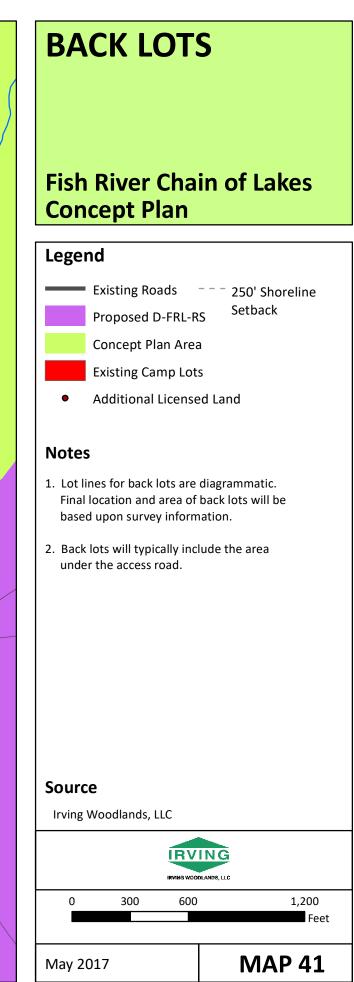
 Major Roads Secondary Roads ----- Transmission Line - Streams FEMA Flood Zone A Wetlands Proposed Econ/Comm Development Areas Proposed Residential Areas Maine Public Reserve Land **Conservation Easement Area** Camp Lots **Concept Plan Area** Notes 1. As of March 2017, FEMA Mapping not available for the eastern end of Long Lake, southern end of Cross Lake, or any of Square Lake. 2. Information on FEMA Flood Zones from Department of Housing and Urban Development, Federal Insurance Administration, Community No. 230453, Township of T-17-R4 WELS, ME, February 7, 1975, and Community No. 230454, Township of T-17-R5 WELS, ME, February 19, 1987. 3. Base flood elevation for Cross Lake is 582.8 feet. **IRVING** 

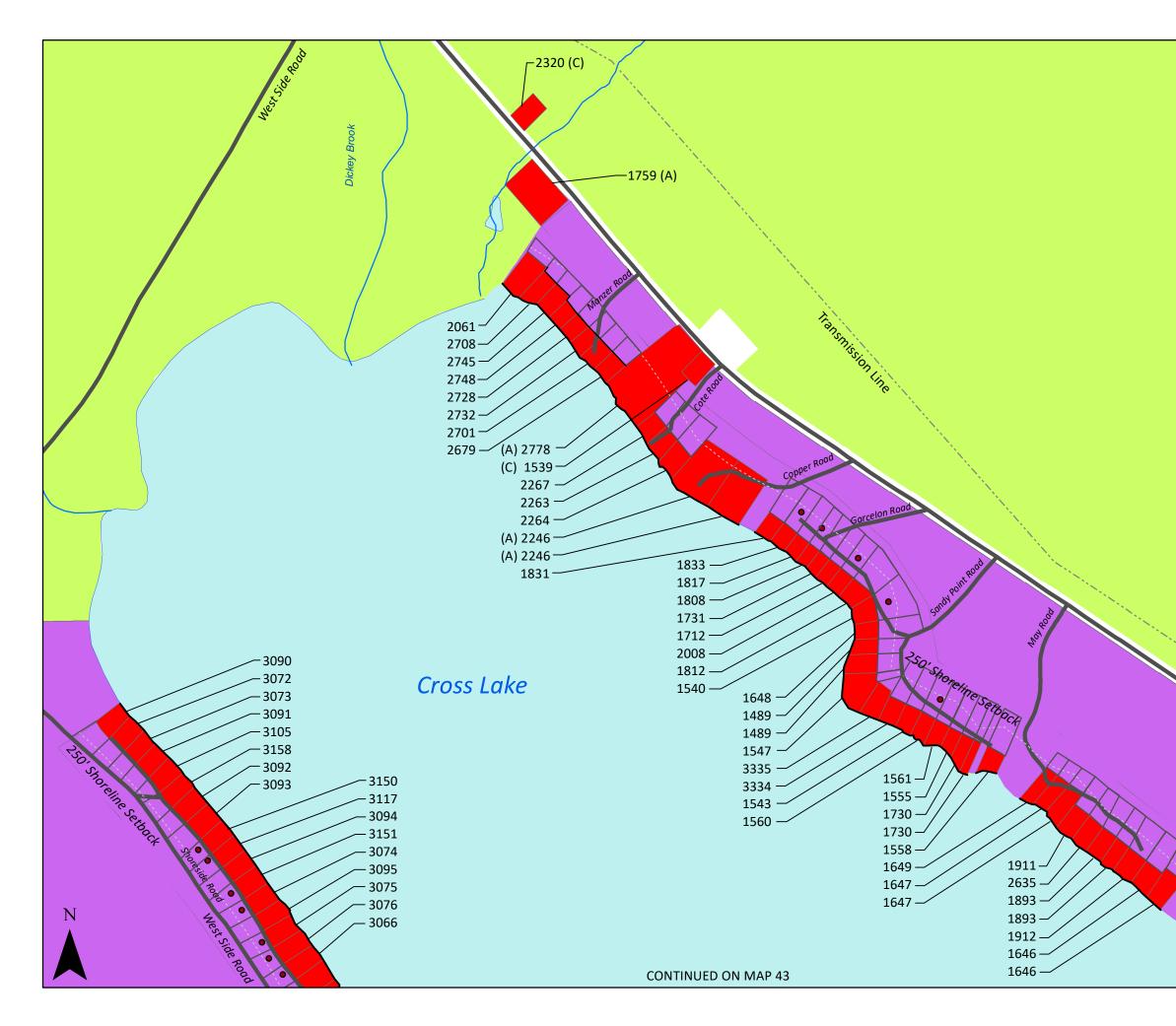


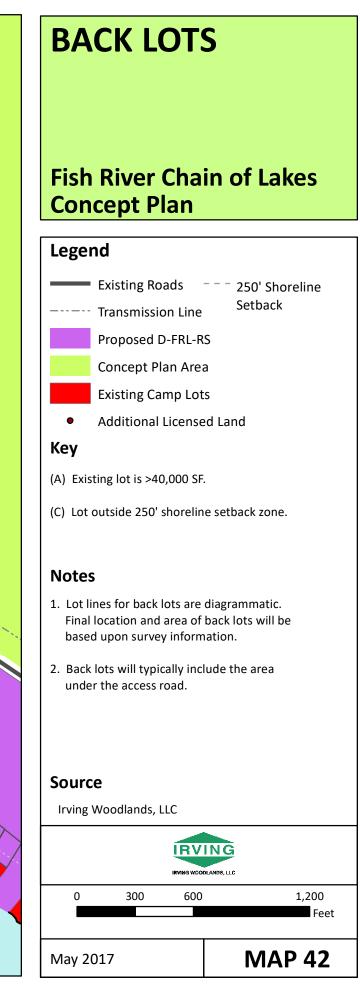


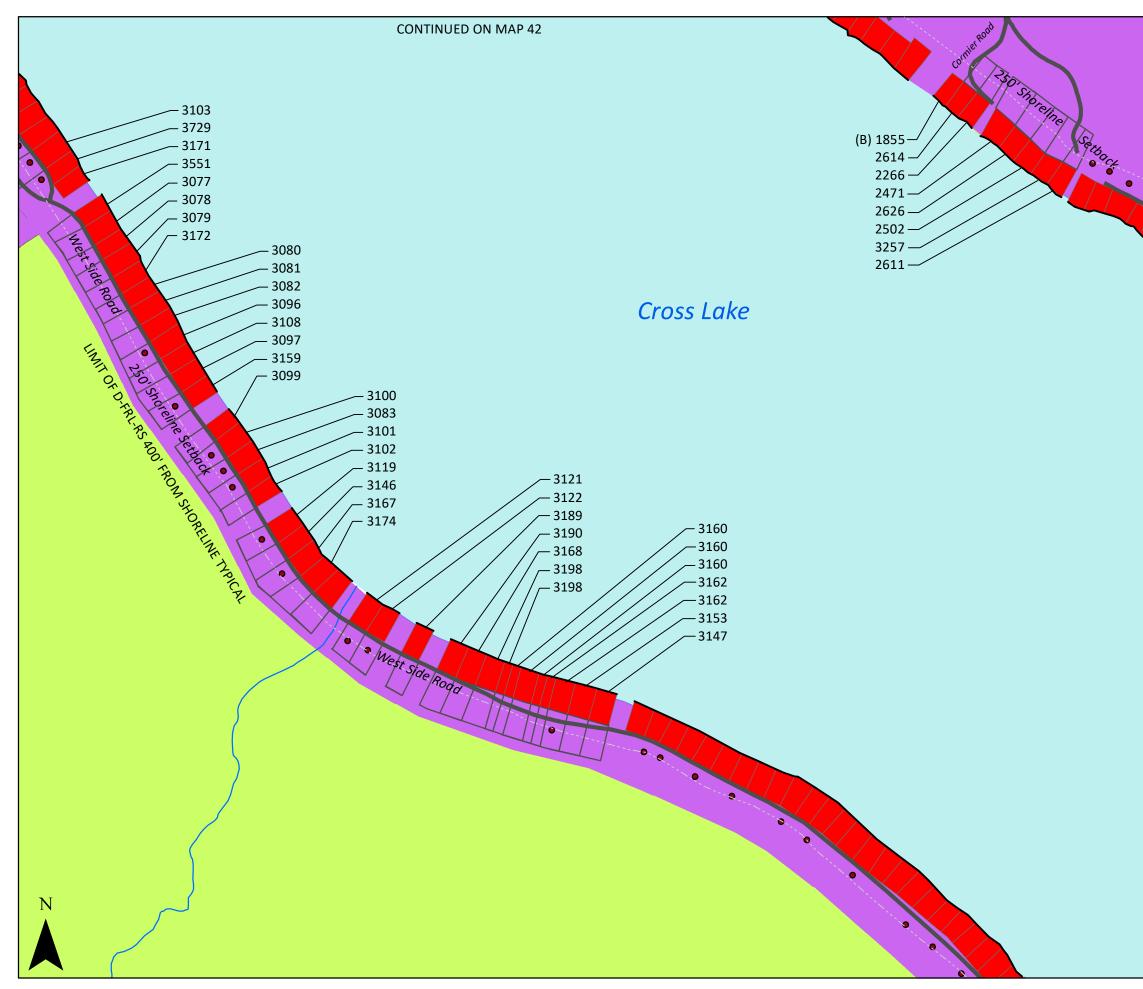














# **BACK LOTS**

# Fish River Chain of Lakes Concept Plan

## Legend



Concept Plan Area

Existing Camp Lots

Additional Licensed Land

## Кеу

•

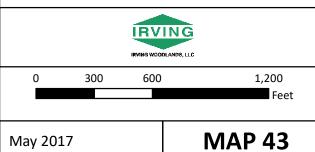
(B) Back lot restricted by lot configuration, road alignment, or lot(s) on opposite side of street.

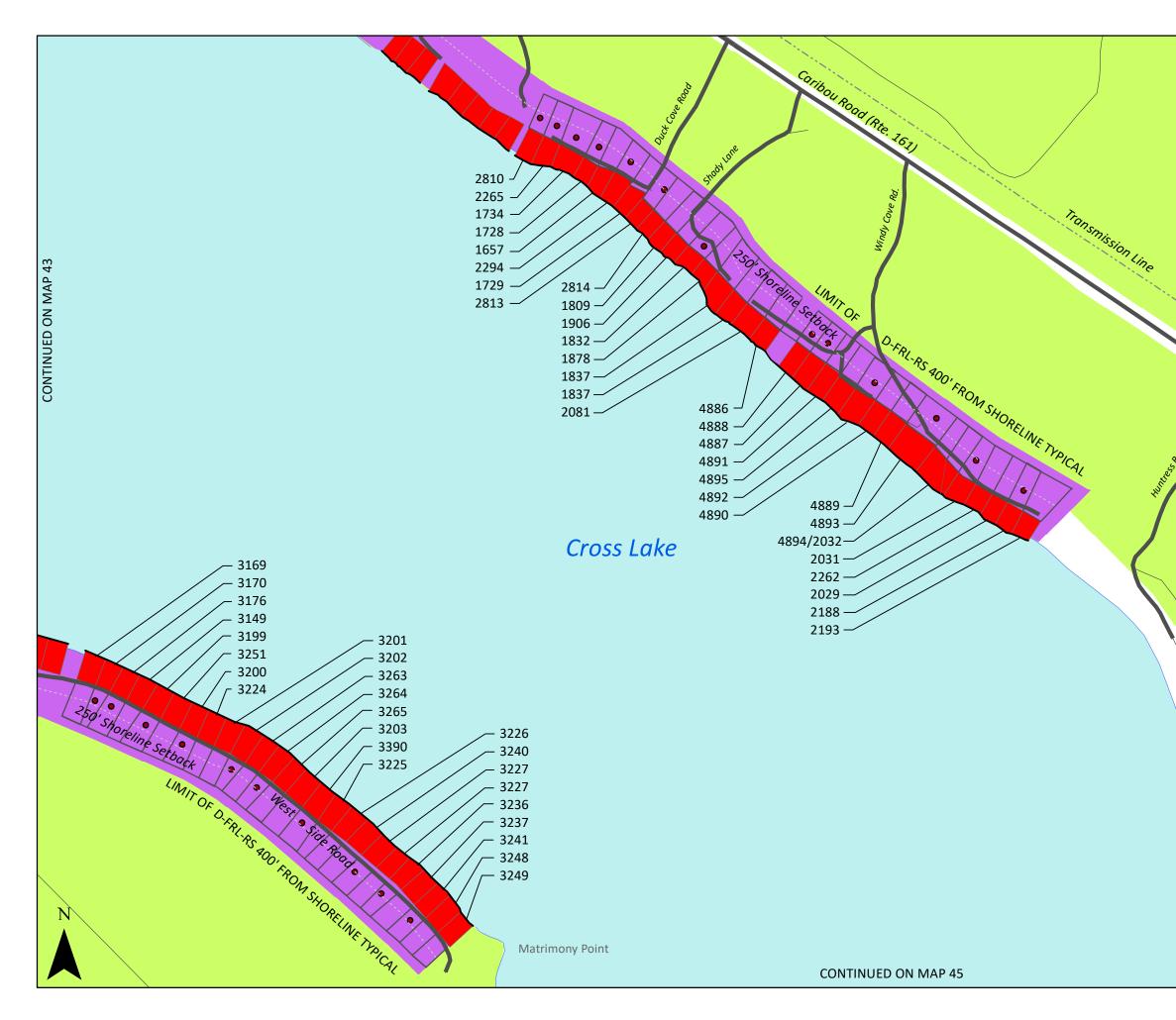
## Notes

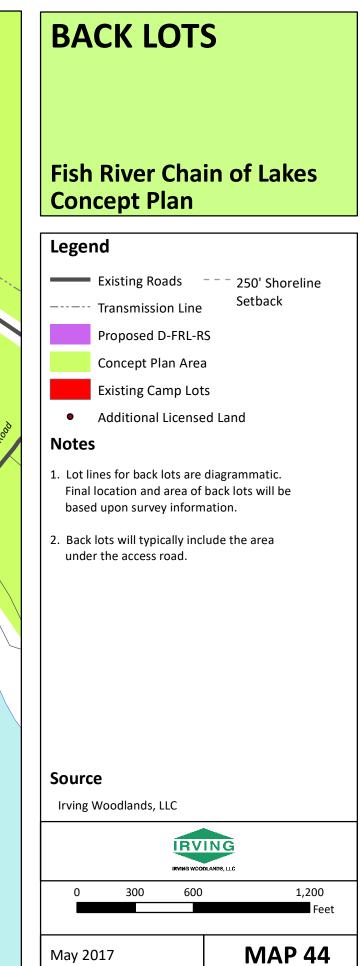
- Lot lines for back lots are diagrammatic. Final location and area of back lots will be based upon survey information.
- 2. Back lots will typically include the area under the access road.

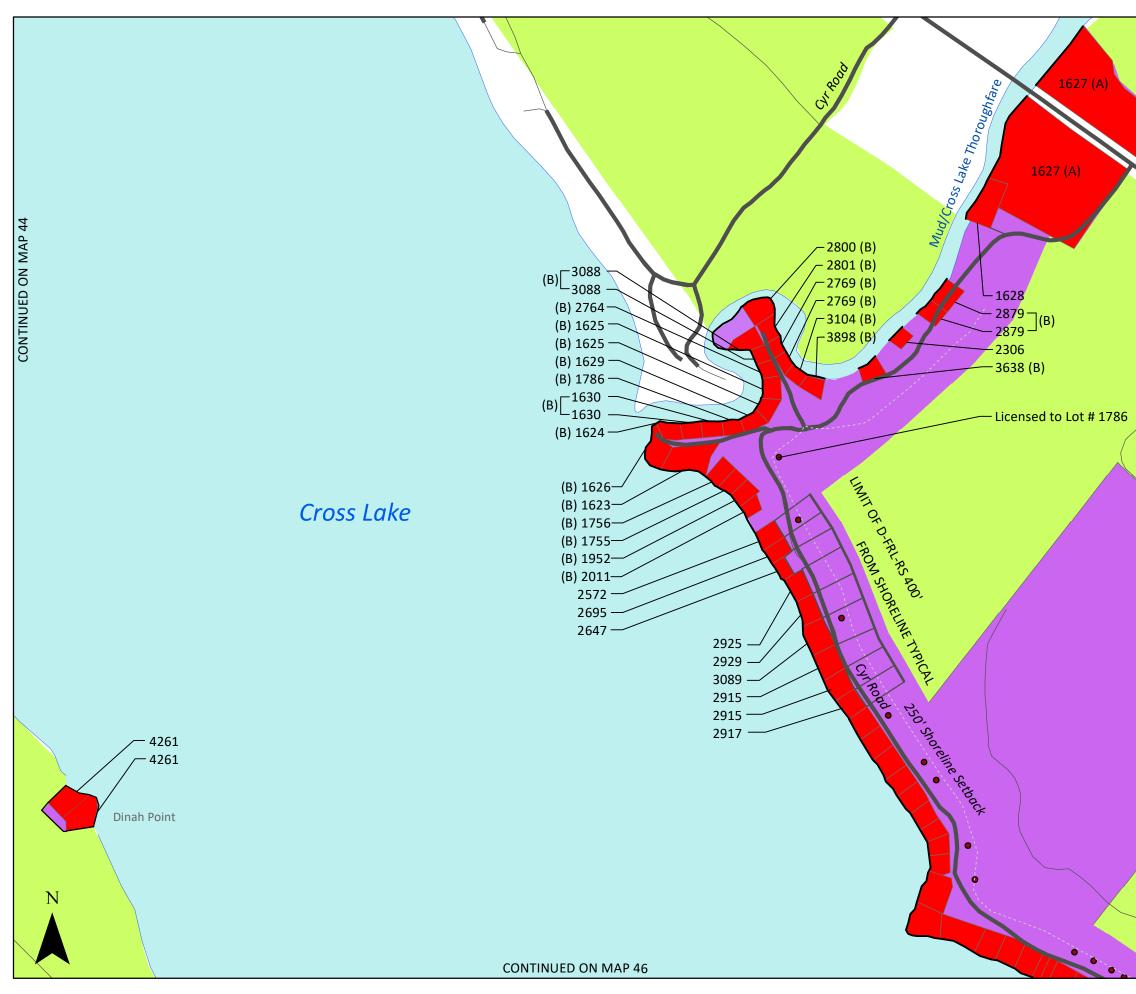
## Source

Irving Woodlands, LLC











# **BACK LOTS**

# Fish River Chain of Lakes Concept Plan

#### Legend

Existing Roads - - - 250' Shoreline
 Proposed D-FRL-RS
 Setback

Concept Plan Area

Existing Camp Lots

• Additional Licensed Land

# Key

- (A) Existing lot is >40,000 SF.
- (B) Back lot restricted by lot configuration, road alignment, or lot(s) on opposite side of street; provide back land.

## Notes

- Lot lines for back lots are diagrammatic. Final location and area of back lots will be based upon survey information.
- 2. Back lots will typically include the area under the access road.

## Source

Irving Woodlands, LLC

