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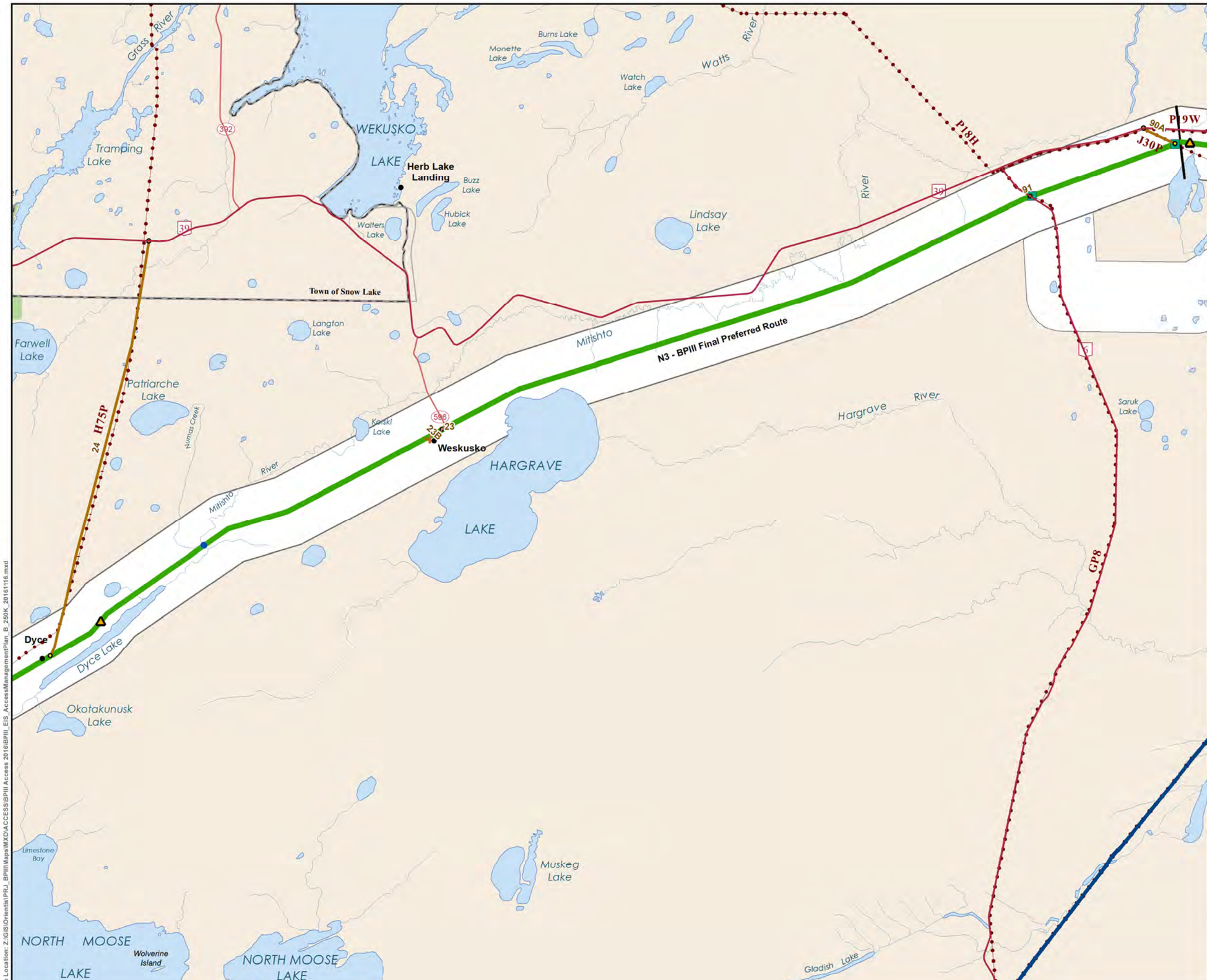


Manitoba Hydro

## Bipole III Transmission Project

### Project Infrastructure

- Final Preferred Route
- Planning Section Division
- Local Study Area
- Construction Power (KN36)
- AC Collector Lines
- Ground Electrode Line
- Construction Power Station
- Keewatinohk Converter Station Site
- Northern Ground Electrode Site
- Construction Camp Site
- Henday Storage
- Limestone Stores Area
- Manitoba Hydro and Contractor Work Areas

### Infrastructure

- Converter Station
- Generating Station
- Bipoles I and II
- Transmission Line

### Access

- 12 Approved Access Route
- Approved Access Point*
- Abandoned Rail crossing
- Rail crossing
- Transmission Line Crossing
- Major Stream Crossing

### Landbase

- Community
- City / Town
- First Nation
- National/Provincial Park
- Rural Municipality
- Wildlife Management Area

**Coordinate System: UTM Zone 14N NAD83**
**Data Source: MBHydro, Stantec, ProvMB**
**Date Created: November 16, 2016**
**Version: Final 4.0**

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# Construction Access Opportunities

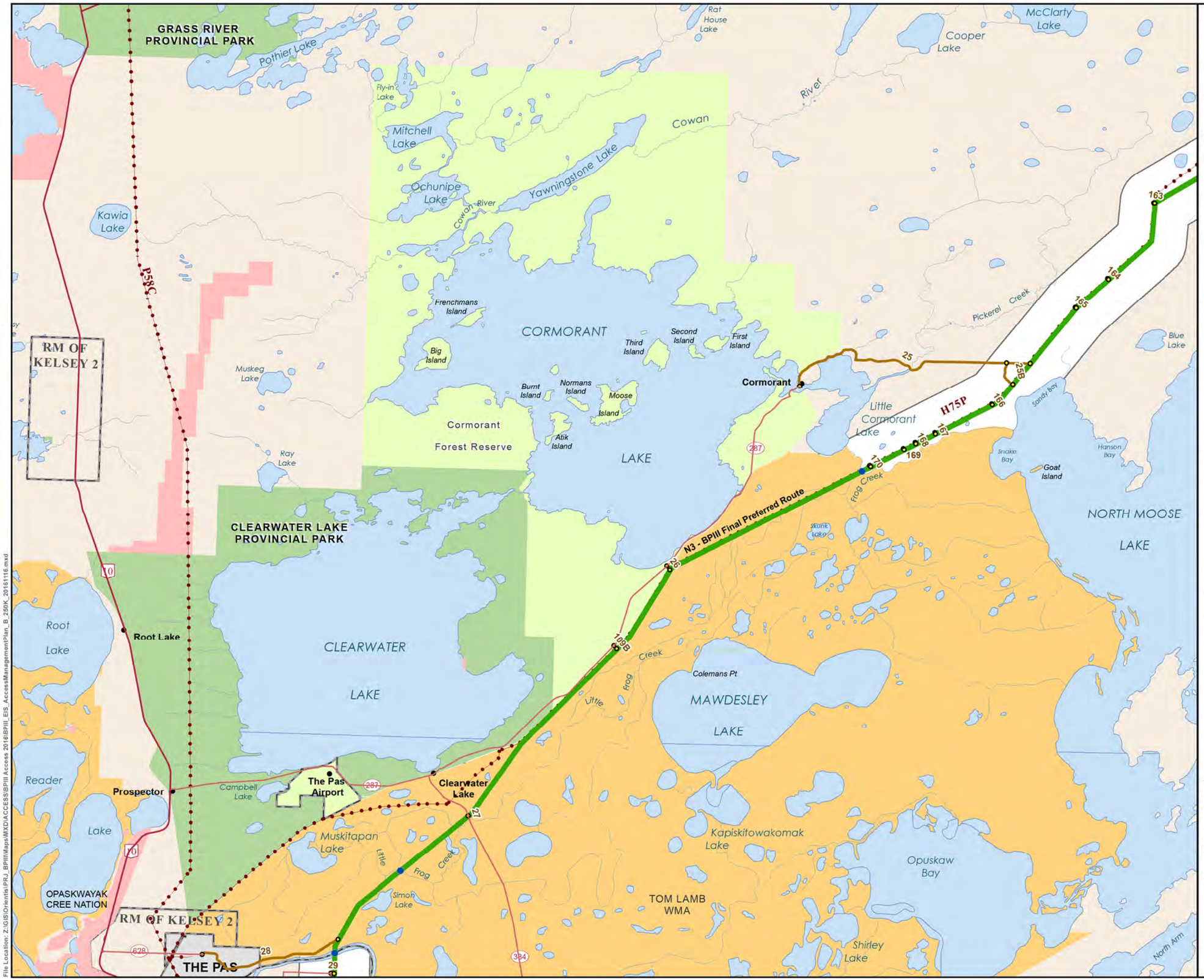
Map 7

File Location: Z:\GIS\Orientis\PRJ_BPIII\Maps\MXD\ACCESS\BPIII Access 2016\BPIII_EIS_AccessManagementPlan_B_250K_20161116.mxd

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 7 | 23B | Existing Access | North west from wekusko siding (PR596) | 350m | 451067.6751 | 6039678.5764 | 450767.7071 | 6039945.9393 | 1 km | 29.60km | 44.73kms | 29.25km |
| 7 | 90A | Existing Access | Existing Transmission Line intersecting with PTH 6 | 2.4km to PTH06 | 499365.9998 | 6060921.0055 | 501490.3092 | 6059869.806 | 9.7km | 10.4km | 10.5km | 12.8km |
| 7 | 91 | Intersection | Intersection with PTH 6 crossing. Onsite visit with MCWS is required for route access determination, access directly off of PTH 6 is prohibited | NA | 491700.0474 | 6056288.5566 | 491700.5474 | 6056289.0566 | 10.4km | 43km | 12.8km | 54km |
| 7 | 23 | Intersection | Intersection with PR 596 crossing | NA | 451897.7194 | 6040537.0826 | 451898.2194 | 6040537.5826 | 43km | 31km | 54km | 31km |
| 7 | 24 | Existing Access | Existing transmission line to access south west of Wekusko | 29km to PTH 39 | 432058.588 | 6053282.49 | 425413.2714 | 6025196.5916 | 31km | 6.5km | 31km | NA |

Photos of select water crossings for this map are located in the back of this book in a photo index

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Manitoba Hydro

## Bipole III Transmission Project

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**Coordinate System: UTM Zone 14N NAD83**
**Data Source: MBHydro, Stantec, ProvMB**
**Date Created: November 16, 2016**
**Version: Final 4.0**

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# Construction Access Opportunities

Map 8

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 8 | 163 | New Access | New access off of Transmission line H75P | 81m | 419766 | 6021936 | 419846.7223 | 6021922.7155 | 6.5km | 6.5km | NA | NA |
| 8 | 164 | New Access | New access off of Transmission line H75P | 87m | 416626 | 6016800 | 416691.4986 | 6016742.7278 | 6.5km | 2.9km | NA | NA |
| 8 | 165 | New Access | New access off of Transmission line H75P | 81m | 414392 | 6014814 | 414454.7954 | 6014762.726 | 2.9km | 4.9km | NA | NA |
| 8 | 25 | Existing Access | Existing Tolko unnamed winter road to Long Point Rd category 4, road number 88; favourable access | 18km to PR 287, 76 km from PTH 10 | 395516.9699 | 6009418.8742 | 411310.2498 | 6010973.6832 | 4.9km | 2km | 240km | 16km |
| 8 | 25B | Existing Access | Existing Tolko winter road, closed or abandoned | 2km from Long Point Rd, 18km to PR 287 | 409701.8004 | 6011009.9003 | 410115.0947 | 6009537.1153 | 2km | 2km | NA | NA |
| 8 | 166 | New Access | New access off of Transmission line H75P | 84m | 408682 | 6008187 | 408727.4706 | 6008116.2685 | 2km | 4.3km | NA | NA |
| 8 | 167 | New Access | New access off of Transmission line H75P | 91m | 404797 | 6006230 | 404837.0917 | 6006147.6969 | 4.3km | 1.5km | NA | NA |
| 8 | 168 | New Access | New access off of Transmission line H75P | 93m | 403443 | 6005547 | 403486.6834 | 6005464.3775 | 1.5km | 900m | NA | NA |
| 8 | 169 | New Access | New access off of Transmission line H75P | 88m | 402624 | 6005126 | 402674.1292 | 6005053.255 | 900m | 2.6km | NA | NA |
| 8 | 170 | New Access | New access off of Transmission line H75P | 88m | 400323 | 6003961 | 400377.2246 | 6003891.1487 | 2.6km | 15.5km | NA | NA |

Photos of select water crossings for this map are located in the back of this book in a photo index

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 8 | 26 | Existing Access | Existing linear disturbance (trail) | 390m to PR 287, 42km to PTH 10 | 386392.2481 | 5997083.1447 | 386610.0535 | 5996811.8431 | 15.5km | 6.5km | 16km | 7km |
| 8 | 109B | Existing Access | Existng Trail to Wuskwatim Tranmission Line off PR 287 | 298m FROM PR 287 | 382775.4094 | 5991616.8025 | 382961 | 5991390 | 6.5km | 15.4km | 7km | 19.9km |
| 8 | 27 | Intersection | Intersection with PR 384 crossing | NA | 372786.9572 | 5979956.8712 | 372787.4572 | 5979957.3712 | 15.4km | 12.5km | 19.9km | 43km |
| 8 | 28 | Existing Access | Existing Tolko ice road north shore of Saskatchewan River | 10km to PR 628 | 354556.6864 | 5970477.8839 | 363861.4155 | 5971469.8611 | 12.5km | 2.3km | 43km | 27km |
| 8 | 29 | Existing Access | Existing trail along Drain off PR 285 | 200m to PR 285 Ralls Island Rd | 363365.0187 | 5969188.1394 | 363569.572 | 5969178.442 | 2.3km | 16km | 27km | 20km |

Photos of select water crossings for this map are located in the back of this book in a photo index

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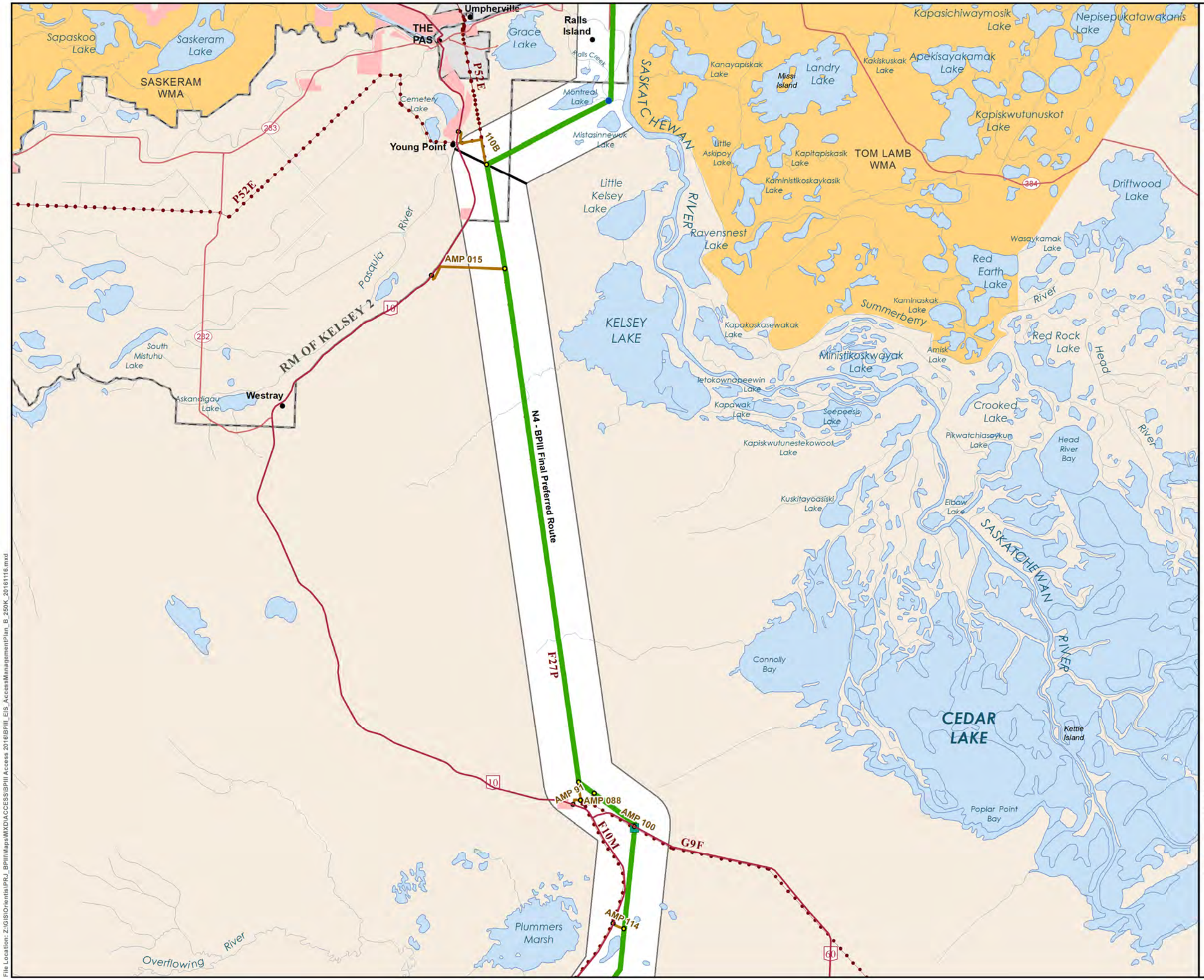


Manitoba Hydro

## Bipole III Transmission Project

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**Date Created: November 16, 2016**
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# Construction Access Opportunities

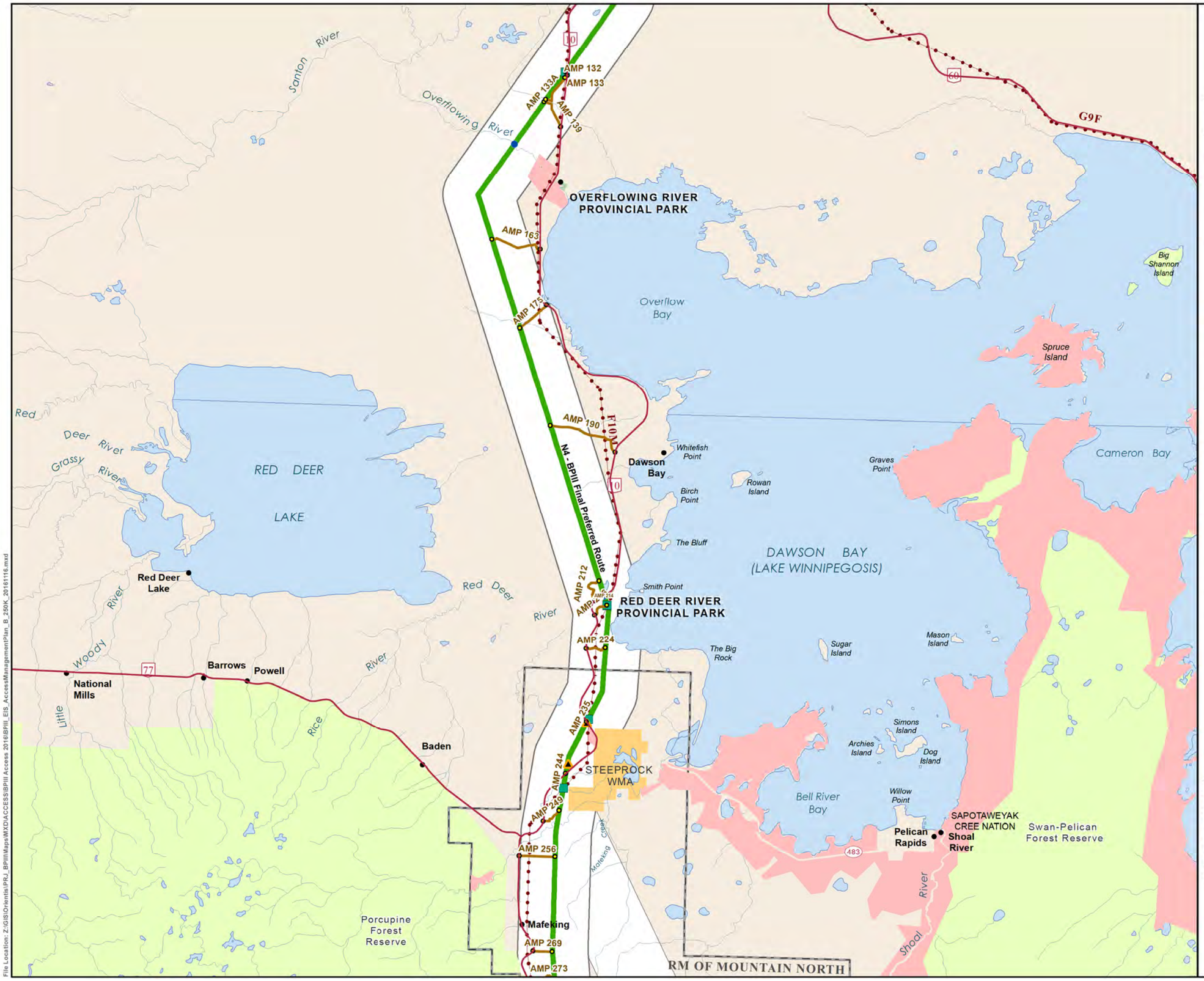
Map 9

File Location: Z:\GIS\Orientis\PRJ_BPIII\Maps\MXD\ACCESS\BPIII Access 2016\BPIII_EIS_AccessManagement2\an_B_250K_20161116.mxd

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 9 | 110B | Existing Access | Existing Road, Winter Trail,Transmission ROW | 4.1km from PTH 10 | 352993.0018 | 5960138.0091 | 354921.4227 | 5957903.3066 | 16km | 7.2km | 20km | 1.08km |
| 9 | AMP 015 | Existing Access | Intervals of access along 35.5kms of existing Transmission Line F27P | 5.9km to PTH 10 | 351145.2521 | 5950304.7449 | 356167.922 | 5950759.7013 | 7.2km | 35.5m | 10.8km | 53km |
| 9 | AMP 088 | Existing Access | Favourable access along existing cutline/forestry road | 5.9km to PTH 10 | 361357.164 | 5914357.6761 | 361228.463 | 5915591.166 | 35.5m | 1.3km | 55km | NA |
| 9 | AMP 91 | Existing Access | Access route existing roads and gravel pits for 95% of route adjacent to MB Hydro stationx | 2km to PTH10 | 360835.0904 | 5914042.9714 | 362282.8441 | 5914804.9196 | 1.3km | 3.7km | 53km | 5km |
| 9 | AMP 100 | Intersection | Intersection with PTH 60 crossing | NA | 365041.3453 | 5912566.5722 | 365041.8453 | 5912567.0722 | 3.7km | 7km | 5km | 11km |
| 9 | AMP 114 | Existing Access | Existing Winter Trail off PTH 10 | 834m to PTH 10 | 363578.7119 | 5905895.0626 | 364313.7167 | 5905534.1032 | 7km | 8.8km | 11km | 9km |

Photos of select water crossings for this map are located in the back of this book in a photo index




Manitoba Hydro

## Bipole III Transmission Project

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Version: Final 4.0

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# Construction Access Opportunities

Map 10

File Location: Z:\GIS\Orientis\PRJ_BPIII\Maps\MXD\ACCESS\BPIII Access 2016\BPIII_EIS_AccessManagementPlan_B_250K_20161116.mxd

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 10 | AMP 256 | New/Existing Access | Access from hwy to Tower 256 | 2.5km from PTH 10 | 357174.5877 | 5843845.8564 | 359627.8544 | 5843776.9242 | 3.2km | 6.4km | 3.3km | 6.6km |
| 10 | AMP 132 | Intersection | Intersection with PTH 10 crossing 1 | NA | 360511.0602 | 5897844.0176 | 360511.5602 | 5897844.5176 | 8.8m | 255m | 9km | 500m |
| 10 | AMP 133A | Existing Access | Existing alternate route to and from Hwy 10 from Access Route 35 | 2km from PTH 10 | 360452.0367 | 5897337.592 | 359010.243 | 5895731.2636 | 2.3km | 200m | 500m | 3.5km |
| 10 | AMP 133 | Existing Access | Existing alternative access to BPIII off of Access route 35B | 455m from AMP 133ART | 786053.0103 | 6259726.2376 | 786053.5103 | 6259726.7376 | 255m | 2.3km | NA | NA |
| 10 | AMP 139 | Existing Access | Existing access S of major drain along existing road and cutline | 2.2km to PTH 10 | 360045.344 | 5893846.2331 | 358888.6837 | 5895550.6532 | 200m | 11km | 3.5km | 8.8km |
| 10 | AMP 163 | Existing Access | Existing forestry road to access S of Overflowing River | 3.6km to PTH 10 | 358610.9599 | 5885429.2164 | 355323.1375 | 5886106.3558 | 11km | 6.4km | 8.8km | 4km |
| 10 | AMP 175 | Existing Access | Existing access, not preferred | 2.4km to PTH 10 | 359042.245 | 5881605.843 | 357231.4505 | 5880010.465 | 6.4km | 7km | 4km | 14.8km |
| 10 | AMP 190 | Existing Access | Existing Winter Trail off PTH 10 | 5.2km to PTH 10 | 363764.7115 | 5871536.0643 | 359320.7353 | 5873365.0568 | 7km | 11km | 14.8km | 10.1km |
| 10 | AMP 212 | Existing Access | Existing access N of Red Deer River, cutblock roads | 2.3km to PTH 10 | 362365.6634 | 5861339.2279 | 362667.8267 | 5862708.0816 | 11km | 1km | 700m | 1km |
| 10 | AMP 214 | Intersection | Intersection with PTH 10 crossing 2 | NA | 362982.3256 | 5861705.5683 | 362982.8256 | 5861706.0683 | 1km | 700m | 10.1km | 700m |

Photos of select water crossings for this map are located in the back of this book in a photo index

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 10 | AMP 216 | Existing Access | Access route exists along road off of PTH 10 | 701m from PTH 10 | 363195.2044 | 5861031.4717 | 362352.5507 | 5860383.4551 | 700m | 2.9km | 1km | 2.6km |
| 10 | AMP 224 | Existing Access | Existing access S of Red Deer River, gravel pit road | 1.5km to PTH 10 | 361778.0403 | 5858073.2328 | 363076.6625 | 5858115.6433 | 2.9m | 5.3km | 2.9m | 5.4km |
| 10 | AMP 235 | Intersection | Intersection with PTH 10 crossing 3 | NA | 361802.0872 | 5853080.4318 | 361802.5872 | 5853080.9318 | 5.3km | 3.7km | 5.4km | 4.7km |
| 10 | AMP 244 | Intersection | Intersection with PTH 10 crossing | NA | 360360.5987 | 5849510.4047 | 360361.0987 | 5849510.9047 | 3.7km | 2.5km | 4.7km | 3.8km |
| 10 | AMP 249 | Existing Access | Access route existing from PTH 10 | 1.4km from PTH 10 | 358841.1342 | 5846241.3009 | 359921.1112 | 5846985.7062 | 2.5km | 3.2km | 3.8km | 3.3km |
| 10 | AMP 269 | Existing Access | Existing Trail off PTH 10 | 1.3km to PTH 10 | 358135.7534 | 5837342.0765 | 359448.73 | 5837311.0223 | 6.4km | 2km | 6.6km | 3.2km |
| 10 | AMP 273 | New/Existing Access | Existing trail from Hwy 10, then new access trail to FPR | 2.6km from PTH 10 | 357919.194 | 5834589.0584 | 359598.6715 | 5835337.7295 | 2km | 5.4km | 3.2km | 4.4km |

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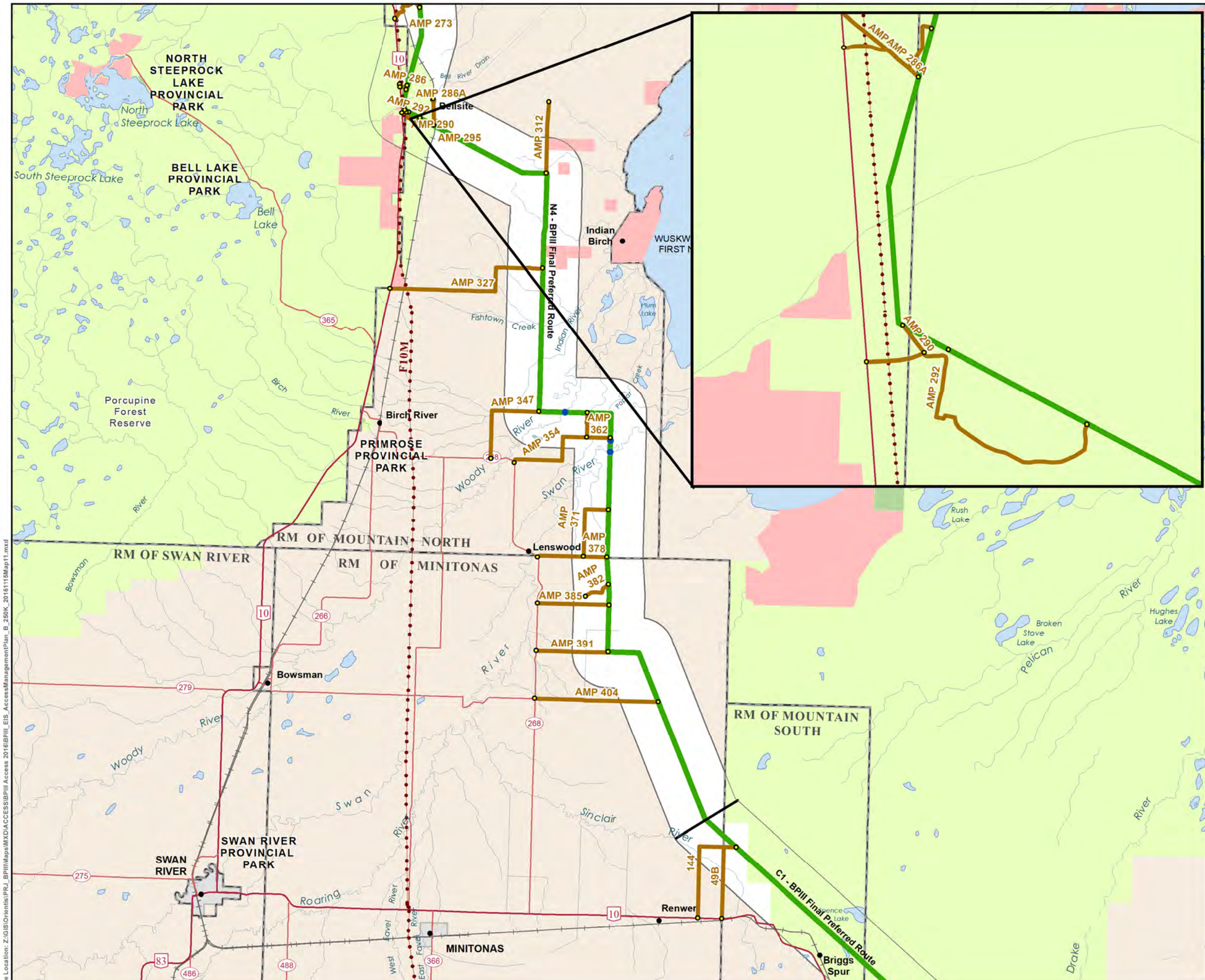


Manitoba Hydro

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# Construction Access Opportunities

Map 11

File Location: Z:\GIS\Orientis\PRJ_BPIII\Maps\MXD\ACCESS\BPIII Access 2016\BPIII_EIS_AccessManagementPlan_B_250K_20161115Map11.mxd

Created By: Stantec Consulting

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 11 | AMP 327 | New/Existing Access | Mile Road Access | 11.9km from PTH 10 | 357581.2955 | 5816315.2788 | 367933.551 | 5817671.391 | 6.4km | 9.7km | 22km | 19km |
| 11 | AMP 347 | New/Existing Access | Mile Road Access | 6.6km from PR 268 | 364423.0455 | 5804772.6074 | 367675.705 | 5807953.152 | 9.7km | 1.6km | 19km | 3.2km |
| 11 | AMP 354 | New/Existing Access | Access from hwy to Tower 354 | 8.4km from PR 268 | 365996.3834 | 5804467.5355 | 370951.1387 | 5807859.9831 | 1.6km | 3.2km | 3.2km | 7.3km |
| 11 | AMP 371 | New/Existing Access | Access from hwy to Tower 371 | 4.8km from AMP 278RT | 370684.5857 | 5798119.0815 | 372366.2785 | 5801308.159 | 4.8km | 3.2km | N/A | N/A |
| 11 | AMP 391 | New/Existing Access | Access from hwy to Tower 391 | 4.9km from PR 268 | 367478.8634 | 5791721.2989 | 372352.8201 | 5791637.9626 | 3.1km | 5.6km | 3.2km | 3.2km |
| 11 | AMP 362 | New/Existing Access | Access from hwy to Tower 362 | 1.6km from AMP354RT | 370910.9219 | 5806198.3964 | 372497.3417 | 5806158.1273 | 3.2km | 4.8km | N/A | N/A |
| 11 | AMP 286 | New/Existing Access | Utilizes existing access from PTH 10 before new trail begins | 801m from PTH 10 | 358240.9413 | 5830158.3655 | 358746.4137 | 5830067.4167 | 5.4km | 272m | 4.4km | 200m |
| 11 | AMP 286A | Existing Access | Access route exists from PTH 10 | 479m from PTH 10 | 358255.3981 | 5829959.285 | 358672.775 | 5829792.9051 | 272m | 1.4km | 200m | 1.7km |
| 11 | AMP 290 | Existing Access | Call 290 Additional route off of existing road and 94R/T | 193m from AMP292RT | 358703.9938 | 5828251.5389 | 358585.9211 | 5828404.3883 | 1.4km | 1.1km | NA | NA |
| 11 | AMP 292 | Existing Access | Access route exists from PTH 10 | 1.4km from PTH 10 | 358382.999 | 5828200.9992 | 359614.8431 | 5827851.6689 | 1.1km | 1km | 1.7km | 2.6km |

Photos of select water crossings for this map are located in the back of this book in a photo index

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 11 | AMP 295 | Existing Access | Existing access to BPIII from main road into Bellsite | 1.8km from municipal road | 360521.1984 | 5829175.1004 | 360563.1164 | 5827350.9408 | 1km | 8.5km | 2.6km | 7.8km |
| 11 | AMP 312 | Existing Access | Gravel Road | 4.8 km from municipal road | 368349.8935 | 5828972.9102 | 368153.7707 | 5824139.0317 | 8.5km | 6.4km | 7.8km | 22km |
| 11 | AMP 378 | Existing Access | Existing gravel Road off PR 268 | 4.7km to PR 268 | 367570.0041 | 5798077.008 | 372277.744 | 5798079.1155 | 5.8km | 1.8km | 7.3km | 5.8km |
| 11 | AMP 382 | Existing Access | Access route along part of which is an existing road off of PR 268 | 1.9km from Municipal Road | 370829.4926 | 5795420.0149 | 372378 | 5796219.0581 | 1.8km | 1.3km | 5.8km | 3.8km |
| 11 | AMP 385 | Existing Access | Access route existing mile road from PR 268 | 4.8km to PR 268 | 367568.3338 | 5794953.414 | 372407.064 | 5794830.4547 | 1.3km | 3.1km | 3.8km | 3.2km |
| 11 | AMP 404 | Existing Access | Access route existing mile road from PR 268 | 8.4km to PR 268 | 367388.4617 | 5788507.2565 | 375759.3211 | 5788262.1003 | 5.6km | 11.3km | 3.2km | 26km |
| 11 | 144 | Existing Access | Access route existing mile road from PR 268 | 7.3km | 378416.8608 | 5773621.2504 | 381026.0965 | 5778426.3658 | 11.3km | 22km | 26km | 1.6km |
| 11 | 49B | Existing Access | Existing gravel Road and Cleared Road Allowance off PTH 10 | 5.7km to PTH 10 | 380054.0003 | 5773579.0011 | 381023.6318 | 5778428.5891 | 11.3km | 22km | 1.6km | 25.1km |

Photos of select water crossings for this map are located in the back of this book in a photo index

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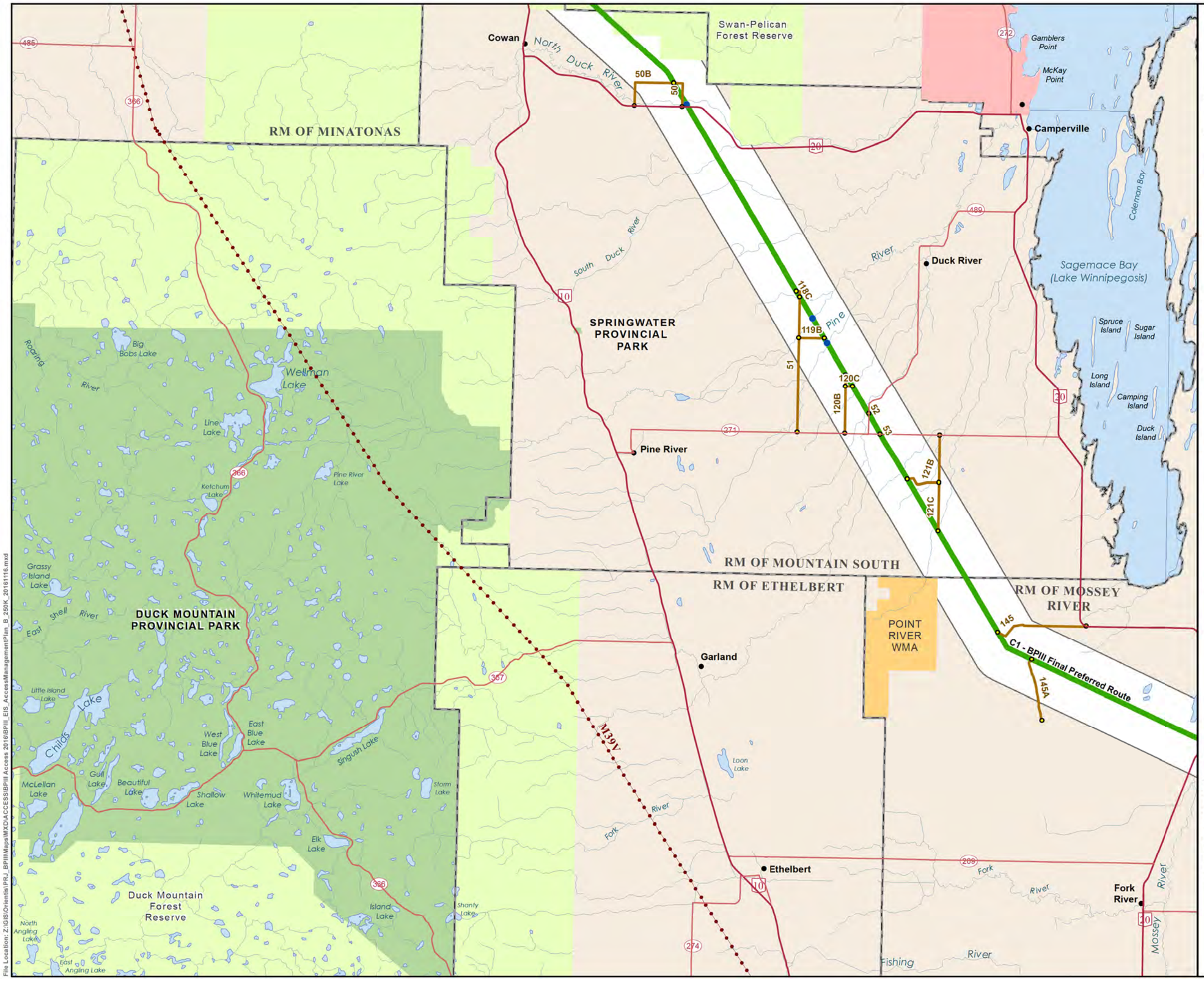


Manitoba Hydro

## Bipole III Transmission Project

### Project Infrastructure

- Final Preferred Route
- Planning Section Division
- Local Study Area
- Construction Power (KN36)
- AC Collector Lines
- Ground Electrode Line
- Construction Power Station
- Keewatinohk Converter Station Site
- Northern Ground Electrode Site
- Construction Camp Site
- Henday Storage
- Limestone Stores Area
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### Infrastructure

- Converter Station
- Generating Station
- Bipoles I and II
- Transmission Line

### Access

- 12 Approved Access Route
- Approved Access Point*
- Abandoned Rail crossing
- Rail crossing
- Transmission Line Crossing
- Major Stream Crossing

### Landbase

- Community
- City / Town
- First Nation
- National/Provincial Park
- Rural Municipality
- Wildlife Management Area

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, Stantec, ProvMB
Date Created: November 16, 2016
Version: Final 4.0

N

0 5 10 Kilometres
0 3 6 Miles
1:250,000

# Construction Access Opportunities

Map 12

File Location: Z:\GIS\Orientis\PRJ_BPIII\Maps\MXD\ACCESS\BPIII Access 2016\BPIII_EIS_AccessManagementPlan_B_250K_20161116.mxd

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 12 | 145A | <null> | <null> | <null> | 422411.3194 | 5719788.122 | 421722.1435 | 5723963.8185 | <null> | <null> | <null> | <null> |
| 12 | 50B | Existing Access | Existing Gravel Road off PTH 20 | 4.3km to PTH 20 | 394479.0071 | 5761925.0062 | 397163.5049 | 5763488.7563 | 22km | 0m | 25.1km | 3.2km |
| 12 | 50 | Existing Access | Access route existing mile road from PTH 20 | 2.2km to PTH 20 | 397741.003 | 5761857.0007 | 397166.41 | 5763488.6831 | 0m | 16.5km | 3.2km | 54km |
| 12 | 118C | Existing Access | Existing gravel Road and trail | 628m | 405809.9245 | 5748835.4614 | 405575.7696 | 5749227.0906 | 16.5km | 400m | NA | NA |
| 12 | 51 | Existing Access | Access route existing mile road from PR 271 | 9.3km to PR271 | 405651.1309 | 5739552.7172 | 405809.9245 | 5748835.4615 | 400m | 3.3km | 54km | 3.2km |
| 12 | 119B | Existing Access | Existing gravel Road and Trail | 1.7km | 405764.0345 | 5745984.6527 | 407502.3281 | 5745967.3043 | 3.3km | 2.9km | NA | NA |
| 12 | 120B | Existing Access | Existing gravel Road off PR 271 | 4km to PR 271 | 408899.9991 | 5739460.0015 | 408965.7285 | 5743479.0478 | 2.8km | 920m | 3.2km | 3km |
| 12 | 120C | Existing Access | Existing gravel road | 481m | 408952.9487 | 5742697.6215 | 409437.3404 | 5742687.9927 | 920m | 2.2km | NA | NA |
| 12 | 52 | Intersection | Intersection with PR 489 crossing | NA | 410549.24 | 5740802.9562 | 410549.74 | 5740803.4562 | 2.2km | 1.6km | 3km | 2km |
| 12 | 53 | Intersection | Intersection with PR 271 crossing | NA | 411325.1845 | 5739415.6825 | 411325.6845 | 5739416.1825 | 1.6km | 3.5km | 2km | 4km |

Photos of select water crossings for this map are located in the back of this book in a photo index

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 12 | 121B | Existing Access | Existing gravel road and existing trail off PR 271 | 5.7km to PR 271 | 415409.1918 | 5739347.1975 | 413185.7573 | 5736327.0514 | 3.5km | 4.1km | 4km | 38.8km |
| 12 | 121C | Existing Access | Gravel Road/ Winter Trail on Road Allowance | 3.3km | 415355.2315 | 5736096.2645 | 415302.3732 | 5732748.3808 | 4.1km | 8km | NA | NA |
| 12 | 145 | Existing Access | Existing access off of PTH #20 to Twr 4155 to allow access past beaver pond/wetland that remains unfrozen | 6.5km | 419391.4025 | 5725818.6045 | 425429.9997 | 5726252.0068 | 8km | 16.2km | 38.8km | 17km |

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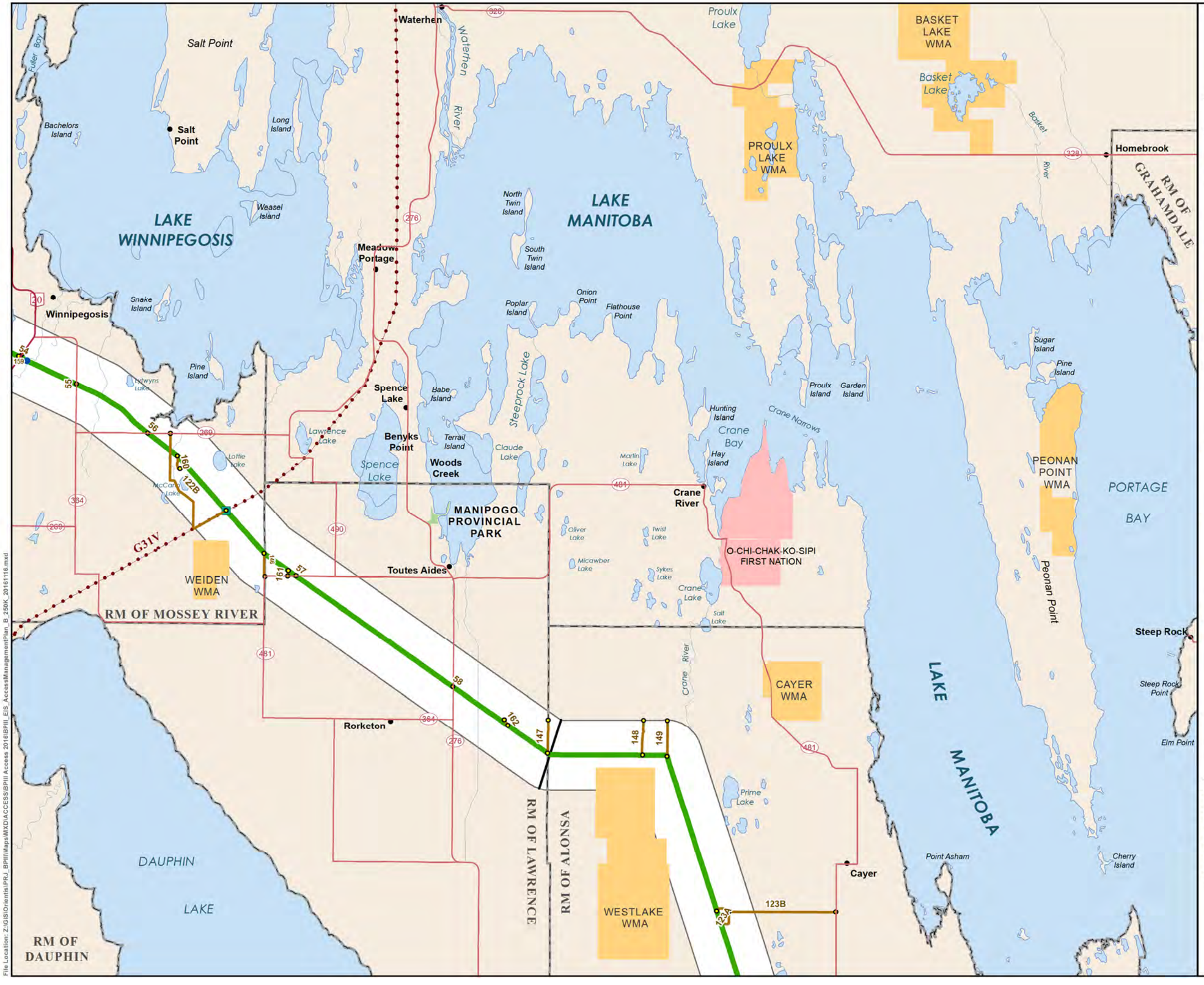


Manitoba Hydro

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**Coordinate System: UTM Zone 14N NAD83**
**Data Source: MBHydro, Stantec, ProvMB**
**Date Created: November 16, 2016**
**Version: Final 4.0**

0 5 10 Kilometres
0 3 6 Miles
1:250,000

N

# Construction Access Opportunities

Map 13

File Location: Z:\GIS\Orientis\PRJ_BPIII\Maps\MXD\ACCESS\BPIII Access 2016\BPIII_EIS_AccessManagementPlan_B_250K_20161116.mxd

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 13 | 159 | Existing Access | Existing access off of PTH 20 | 435m | 433583.5519 | 5718294.2556 | 433854 | 5718472 | 16.2km | 115m | 17km | 281m |
| 13 | 54 | Intersection | Intersection with PTH 20 crossing | NA | 433687.2611 | 5718244.3497 | 433687.7611 | 5718244.8497 | 115m | 4.2km | 281m | 7.7km |
| 13 | 55 | Intersection | Intersection with PR 364 crossing | NA | 437536.9265 | 5716404.2366 | 437537.4265 | 5716404.7366 | 4.2km | 6km | 7.7km | 8.2km |
| 13 | 56 | Intersection | Intersection with PR 269 crossing | NA | 442423.2993 | 5713044.3807 | 442423.7993 | 5713044.8807 | 6km | 2.6km | 8.2km | 1.5km |
| 13 | 160 | Existing Access | Access via exisitng trail from gravel half mile road | 1km | 444611.5 | 5710589 | 444447.685 | 5711454.2301 | 2.6km | 5km | NA | NA |
| 13 | 122B | Existing Access | Gravel Road/Existing Transmission Line off PR 269 | 2.5km to PR 269 | 443966.5598 | 5713025.0522 | 447774.7134 | 5707728.456 | 5km | 4km | 1.5km | 25km |
| 13 | 146 | Existing Access | Route following existing underdeveloped half mile road | 1.6km | 450439.7156 | 5703189.459 | 450378.9076 | 5704796.9758 | 4km | 2km | 25km | 1.5km |
| 13 | 161 | New Access | New access trail off of PR 481 | 383m | 451981.6629 | 5703237.7235 | 452028.2002 | 5703615.9249 | 2km | 650m | 1.5km | 600m |
| 13 | 57 | Intersection | Intersection with PR 481 crossing | NA | 452560.8678 | 5703240.2306 | 452561.3678 | 5703240.7306 | 650m | 13km | 600m | 18km |
| 13 | 58 | Intersection | Intersection with PR 276 crossing | NA | 463336 | 5695648 | 463335.9991 | 5695647.8653 | 13km | 4.5km | 18km | 5.5km |

Photos of select water crossings for this map are located in the back of this book in a photo index

# Access Routes

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 13 | 162 | New Access | New access off of existing gravel half mile road | 471m | 466831.8892 | 5693393.6359 | 467087.906 | 5693004.361 | 4.5km | 3.2km | 5.5km | 3km |
| 13 | 147 | Existing Access | Existing access off of gravel half mile road | 2.2km | 469841.3928 | 5693369.6868 | 469807.6051 | 5691087.9721 | 3.2km | 6.5km | 3km | 6.5km |
| 13 | 148 | Existing Access | Existing access off of gravel half mile road | 2.4km | 476380.8432 | 5693348.4302 | 476325.0259 | 5690960.5447 | 6.5km | 1.7km | 6.5km | 1.6km |
| 13 | 149 | Existing Access | Existing access off of gravel half mile road | 2.4km | 478023.1317 | 5693332.5412 | 477992.6606 | 5690845.0629 | 1.7km | 25km | 1.6km | 11km |
| 13 | 123B | Existing Access | Existing Gravel Road/Winter Trail off PR 481 | 8.3km to PR 481 | 489584.649 | 5680196.9811 | 481384.7316 | 5680268.0594 | 25km | 1km | 11km | 53.8km |
| 13 | 123A | Existing Access | Existing gravel Road/Winter Trail off PR 481 | 1.3km | 482199.1238 | 5680191.9093 | 481666.6251 | 5679394.148 | 1km | 6.9km | NA | NA |

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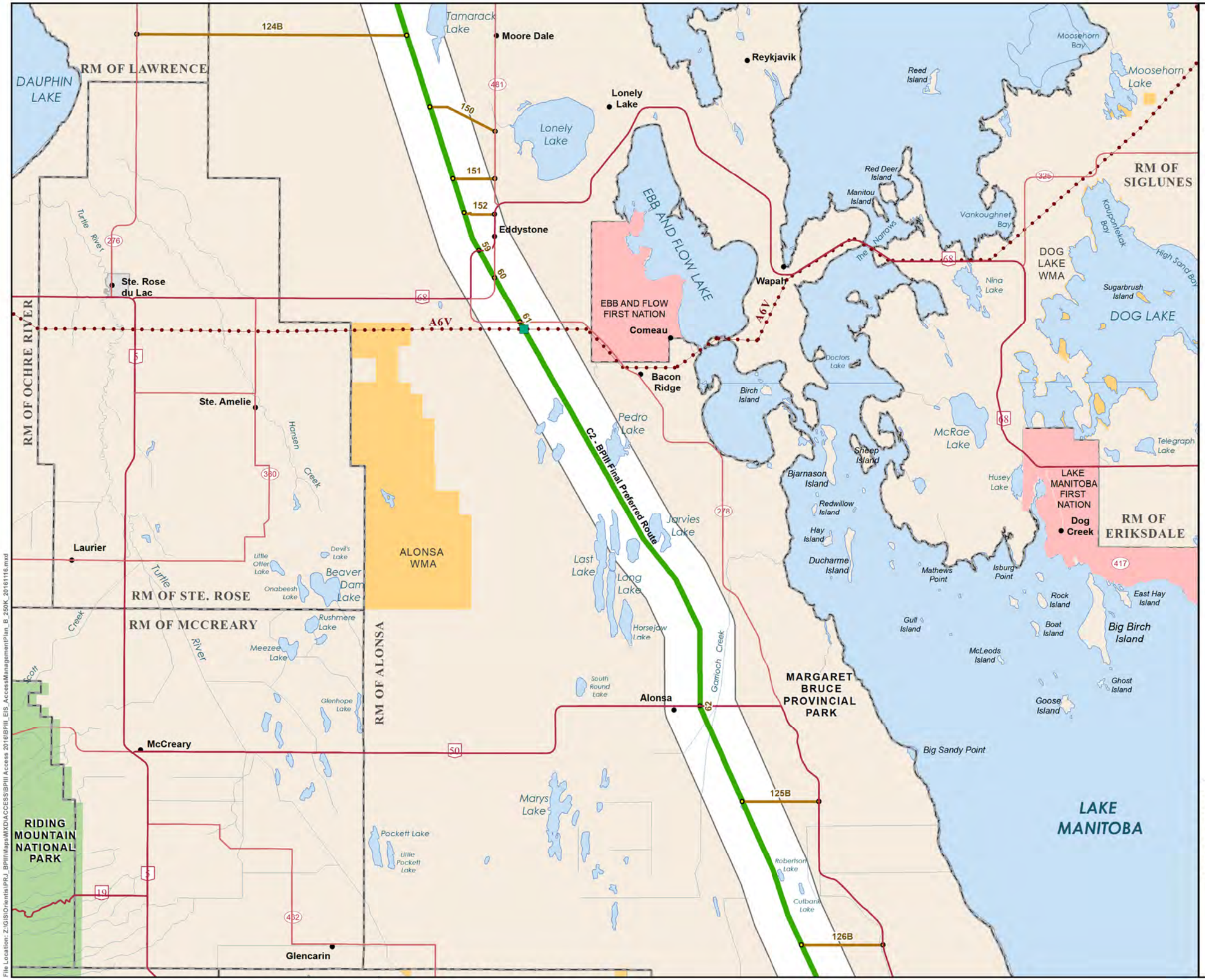


Manitoba Hydro

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**Date Created: November 16, 2016**
**Version: Final 4.0**

N

0 5 10 Kilometres
0 3 6 Miles
1:250,000

# Construction Access Opportunities

Map 14

File Location: Z:\GIS\Orientis\PRJ_BPIII\Maps\MXD\ACCESS\BPIII Access 2016\BPIII_EIS_AccessManagementPlan_B_250K_20161116.mxd

# Access Routes

| Map Number | Route ID | Route Access Type | Description | Access Total Length | Road Access Point | | Transmission ROW Access Point | | Along ROW | | Along Road | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UTM Easting | UTM Northing | UTM Easting | UTM Northing | Distance to Previous Access Point | Distance to Next Access Point | Distance to Previous Access Point | Distance to Next Access Point |
| 14 | 124B | Existing Access | Gravel Road off PR 276 | 18.4km to PR 276 | 465036.6563 | 5673740 | 483513.7435 | 5673655.0399 | 6.9km | 5km | 53.8km | 50km |
| 14 | 150 | Existing Access | Access following existing road off of PR 481 | 4.8km | 489557.4253 | 5667053.6562 | 485097.6513 | 5668742.7728 | 5km | 5km | 50km | 3km |
| 14 | 151 | Existing Access | Access following existing road off of PR 481 | 2.8km | 489540.4733 | 5663816.0755 | 486682.7335 | 5663822 | 5km | 2.4km | 3km | 2.5km |
| 14 | 152 | New/Existing Access | Access off of gravel half mile road via existing trail then new trail to FPR | 2.2km | 489528.4712 | 5661376.3294 | 487438.0584 | 5661477.1459 | 2.4km | 2.7km | 2.5km | 3.5km |
| 14 | 59 | Intersection | Intersection with Municipal road crossing | NA | 488467.4418 | 5658906.1718 | 488467.9418 | 5658906.6718 | 2.7km | 2.3km | 3.5km | 3km |
| 14 | 60 | Intersection | Intersection with PTH 68 crossing | NA | 489528.8699 | 5657038.4002 | 489529.3699 | 5657038.9002 | 2.3km | 3.6km | 3km | 7km |
| 14 | 61 | Intersection | Intersection with PR 278 crossing | NA | 491259.5444 | 5653993.3158 | 491260.0444 | 5653993.8158 | 3.6km | 30km | 7km | 43km |
| 14 | 62 | Intersection | Intersection with PTH 50 crossing | NA | 503568.9156 | 5627725.9785 | 503569.4156 | 5627726.4785 | 30km | 7.1km | 43km | 12.8km |
| 14 | 125B | Existing Access | Gravel Road and Winter Trail on Road Allowance off PTH 50 | 5.2 km to PTH 50 | 511747.9453 | 5621169.4155 | 506474.0491 | 5621168.535 | 7.1km | 10.6km | 12.8km | 11.8km |
| 14 | 126B | Existing Access | Gravel Road and Winter Trail on Road Allowance off PTH 50 | 5.5 km to PTH 50 | 516145.9992 | 5611349.0067 | 510564.7585 | 5611347.1392 | 10.6km | 2.9km | 11.8km | 3.4km |

Photos of select water crossings for this map are located in the back of this book in a photo index