

Bipole III Transmission Project

Project Infrastructure

- Final Preferred Route
- Planning Segment Division
- Local Study Area

Infrastructure

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

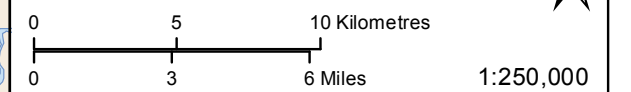
Access

- Proposed Access Route
 - Proposed Access Point*
 - Abandoned Rail crossing
 - Rail crossing
 - Transmission Line Crossing
 - Major Stream Crossing
- * R=Access point along existing highway
T=Access point along Bipole III Final Preferred Route

Landbase

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

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, Stantec, ProvMB
Date Created: October 08, 2013



Construction Access Opportunities

File Location: G:\GIS\Project_Folder\05_Hydro\1145927_BP111_Soils\Terrain\ArcMap\Access_Management\BP111_EIS_AccessManagementPlan_B_2501x_20120808.mxd

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STREAM CROSSINGS									
ID	Easting	Northing	Waterbody Name	Access Notes and Comments	Water Width (m)	Channel Width (m)	Bank Stability (Right Bank)	Bank Stability (Left Bank)	Substrate
19	569332	6139505	Crossing at unnamed tributary between Gordon Brown Lake and Wintering lake		11.8	29.4	100	100	Fines

PROPOSED ACCESS POINTS								
ID	Easting	Northing	Comments	Access Type	Distance to Previous Access Point Along ROW	Distance to Next Access Point Along ROW	Distance to Previous Access Point Along Road	Distance to Next Access Point Along Road
15cT	577518	6145750	Access point 15 along existing cutline intersecting with PTH 6	Forestry Road	29km	26.5km	NA	NA
15dT	557924	6128208	Access point 15 along existing cutline intersecting with PTH 6	Forestry Road	26.5km	0km	NA	NA
16R	533381	6105166	Access point 16 along existing road intersecting with PTH 6	Road	NA	NA	79km	58km
16T	557920	6128204	Access point 16 along existing road intersecting with PTH 6	ROW	0km	60km	NA	NA

PROPOSED ACCESS ROUTES						
ID			Description	Rationale	Issues	Access Length
15c			Access route along forestry road; Tolko Halfway River Jonas Road category 1, road number 4	Existing forestry road	Outside of study corridor; many stream crossings of unknown status; length	42 km to PTH 6
15d			Access route along forestry road parallels row centerline; Tolko Halfway River Jonas Road category 1, road number 4	Forestry road paralleling row within corridor	Stream crossing infrastructure unknown	27 km paralleling ROW, 66 km to PTH 6
16			Access route along forestry road parallels row centerline; Tolko Halfway River Jonas Road category 1, road number 4	Forestry road paralleling row within corridor	Stream crossing infrastructure unknown	13 km along ROW, 36 km to PTH 6

RAILWAY CROSSINGS			
ID	Easting	Northing	Status
4	546336	6104448	Rail



19-Crossing at unnamed tributary between Gordon Brown and Wintering Lakes

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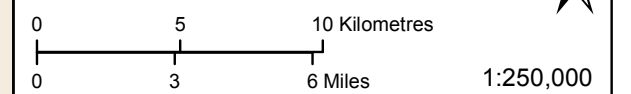
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- Abandoned Rail crossing
- Rail crossing
- Transmission Line Crossing
- Major Stream Crossing (Not yet identified)

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File Location: G:\GIS\Project_Folder\00_Hydro\11465027_BPIII_SoilsTerrain\Map\Access_Management\BPIII_EIS_AccessManagementPlan_Wabowden_B_250K_20131004.mxd

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PROPOSED ACCESS POINTS									
ID	Easting	Northing	Comments	Access Type	Distance to Previous Access Point Along ROW	Distance to Next Access Point Along ROW	Distance to Previous Access Point Along Road	Distance to Next Access Point Along Road	
89RT	514203	6072151	PR 373 crossing	Road/FPR	17.5km	9.5km	17.5km	10.5km	
90R	507932	6064971	PTH 6	Road	NA	NA	10.5km	23.5km	
90T	508359	6064790	Access route 52 along existing road intersecting with PTH 6	FPR	9.7km	20km	NA	NA	
91RT	491700	6056289	Onsite visit with MCWS is required for route access determination, access directly off of PTH 6 is prohibited	Road/FPR	20km	43.7km	23km	54km	

PROPOSED ACCESS ROUTES						
ID	Easting	Northing	Description	Rationale	Issues	Access Length
52	NA	NA	Along Clarke and Manibridge Tolko roads from PTH 6	Existing forestry roads	none	475m to PTH6

TRANSMISSION LINE CROSSINGS			
ID	Easting	Northing	T-Line Name
27	501490	6059870	Jenpeg to Ponton (J30P)
28	491837	6056338	Grand Rapids to Ponton (G8P)

RAILWAY CROSSINGS			
ID	Easting	Northing	Status
21	502508	6059957	Rail

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- 12RT Proposed Access Point*
- 12 Abandoned Rail crossing
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STREAM CROSSINGS									
ID	Easting	Northing	Waterbody Name	Access Notes and Comments	Water Width (m)	Channel Width (m)	Bank Stability (Right Bank)	Bank Stability (Left Bank)	Substrate
20	435754	6032688	Mitishto River		15		100	100	

PROPOSED ACCESS POINTS									
ID	Easting	Northing	Comments	Access Type	Distance to Previous Access Point Along ROW	Distance to Next Access Point Along ROW	Distance to Previous Access Point Along Road	Distance to Next Access Point Along Road	
21R	499399	6060929	Access point 21 along existing transmission line intersecting with PTH 6	Road	NA	NA	10.5km	13km	
22RT	491858	6056191	PTH 6 crossing	Road/ROW	27km	43km	13km	54km	
23RT	451910	6040543	PR 596 crossing	Road/ROW	43km	31km	54km	31km	
24R	432059	6053282	Access point 24 along transmission line	Road	NA	NA	31km	206km	
24T	425413	6025197	Access point 24 along transmission line	ROW	31km	21km	NA	NA	

PROPOSED ACCESS ROUTES				
ID	Description	Rationale	Issues	Access Length
24	Access route along existing transmission line to access south west of Wekusko	Existing MB Hydro linear disturbance	No existing disturbance along last 300+ metres	29km to PTH 39

TRANSMISSION LINE CROSSINGS				
ID	Easting	Northing	T-Line Name	
5	493105	6055480	Grand Rapids to Ponton	

RAILWAY CROSSINGS				
ID	Easting	Northing	Status	
5	492066	6056143	Rail	
6	428791	6027567	Rail	



North South Consultants Inc.

20-Mitishto River

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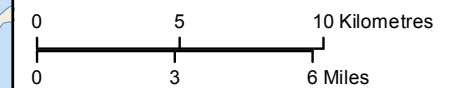
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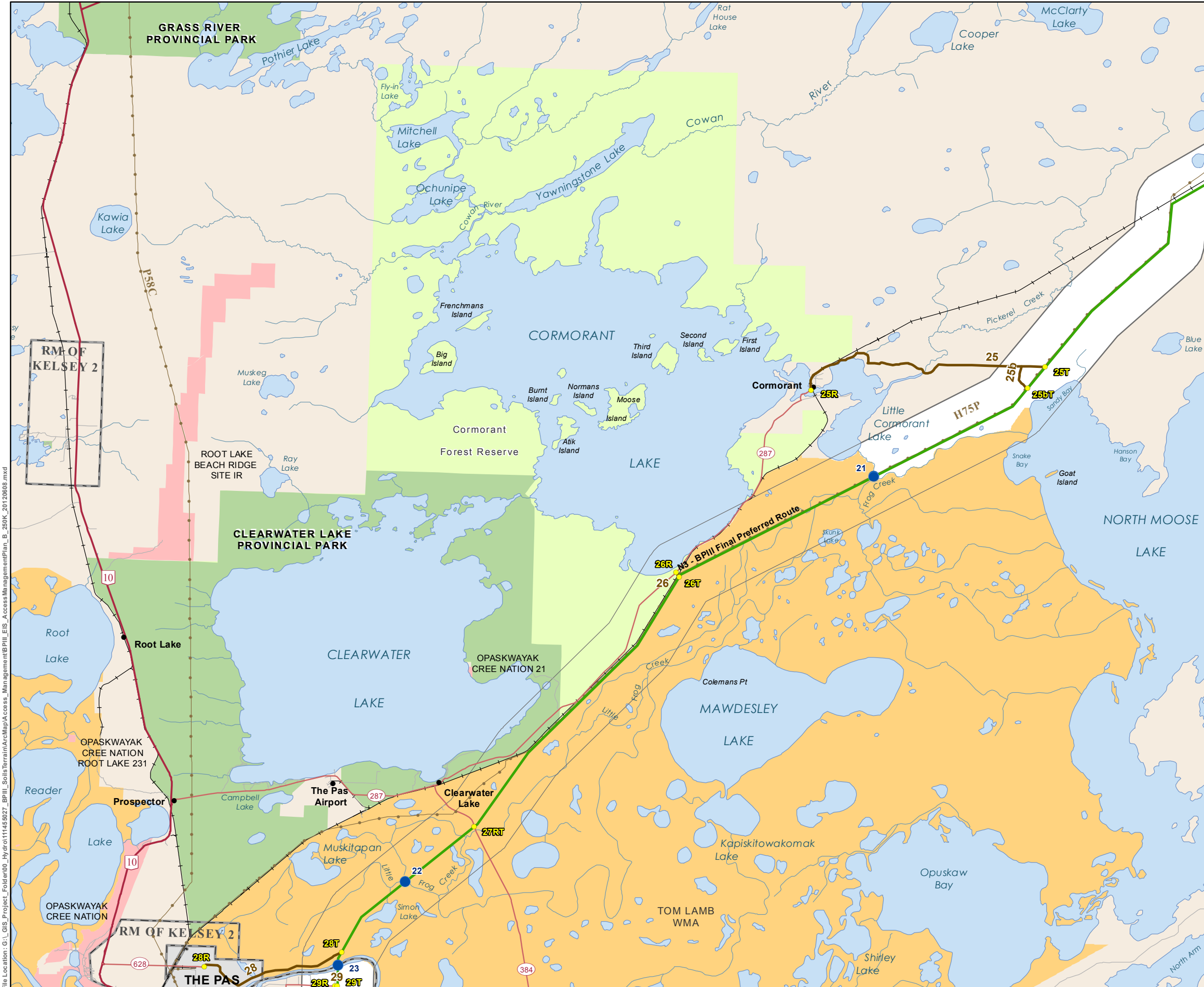
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ID	Easting	Northing	Waterbody Name	Access Notes and Comments	Water Width (m)	Channel Width (m)	Bank Stability (Right Bank)	Bank Stability (Left Bank)	Substrate
21	399766	6003588	Frog Creek	Saturated floodplain; wuskwatim xing DS.	20	20	100	100	Fines
22	368125	5976202	Little Frog Creek		28	28	100	100	
23	363604	5970588	Saskatchewan River	LB undercut 3m, RB low slope 0.3m.	253	335	100	100	Fine, cobble

PROPOSED ACCESS POINTS									
ID	Easting	Northing	Comments	Access Type	Distance to Previous Access Point Along ROW	Distance to Next Access Point Along ROW	Distance to Previous Access Point Along Road	Distance to Next Access Point Along Road	
25T	411315	6010991	Access point 25 along existing forestry road intersecting with PR 287	ROW	21km	2km	NA	NA	
25bT	410115	6009537	Access point 25 along existing forestry road intersecting with PR 287	ROW	2km	27km	NA	NA	
25R	395517	6009419	Access point 25 along existing forestry road intersecting with PR 287	Road	NA	NA	206km	16km	
26R	386399	5997095	Access point 26 along existing forestry road intersecting with PR 287	Road	NA	NA	16km	27km	
26T	386612	5996813	Access point 26 along existing forestry road intersecting with PR 287	ROW	27km	22km	NA	NA	
27RT	372785	5979955	PR 384 crossing	Road/ROW	22km	12.5km	27km	43km	
28R	354591	5970501	Access point 28 along existing forestry road intersecting with PR 628	Road	NA	NA	43km	27km	
28T	363861	5971470	Access point 28 along existing forestry road intersecting with PR 628	ROW	12.5km	2.3km	NA	NA	
29R	363367	5969193	Access point 29 along existing drain intersecting with PR 285	Municipal Road	NA	NA	27km	26km	
29T	363572	5969182	Accesspoint 29 along existing drain intersecting with PR 285	ROW	2.3km	20.5km	NA	NA	

PROPOSED ACCESS ROUTES						
ID		Description	Rationale	Issues	Access Length	
25		Access route along Tolko unnamed winter road to Long Point Rd category 4 road number 88; favourable access	Existing disturbance		18km to PR 287, 76 km from PTH 10	
25b		Access route along existing Tolko winter road, closed or abandoned	Alternative access from Long Point Rd	Closed or abandoned, winter only	2km from Long Point Rd, 18km to PR 287	
26		Access route to existing gravel pit	Proximity PR 287, in corridor, no stream crossing	Crosses existing t-line (Herblet Lk to Ralls Island)	400m to PR 287, 42km to PTH 10	
28		Access route along Tolko ice road north shore of Saskatchewan River	Existing disturbance; access for N of Saskatchewan R	Decommissioned	10km to PR 628	
29		Access route along potential access point municipal roads	Proximity to PR 285; access for S of Saskatchewan R	RM private property	200m to PR 285 Ralls Island Rd	



21-Frog Creek



22-Little Frog Creek



23-Saskatchewan River

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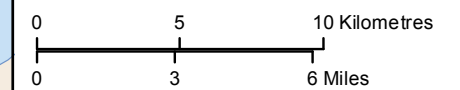
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24	363260	5962286	Ralls Creek		15	15	100	100	

PROPOSED ACCESS POINTS									
ID	Easting	Northing	Comments	Access Type	Distance to Previous Access Point Along ROW	Distance to Next Access Point Along ROW	Distance to Previous Access Point Along Road	Distance to Next Access Point Along Road	
30R	353635	5954097	Access point 30 along existing cutline intersecting with PTH 10	Road	NA	NA	26km	4.6km	
30T	355596	5954027	Access point 30 along existing cutline intersecting with PTH 10	ROW	20.5km	3.5km	NA	NA	
31R	351143	5950306	Access point 31 along existing forestry road intersecting with PTH 10	Road	NA	NA	4.6km	55km	
31T	356166	5950752	Access point 31 along existing forestry road intersecting with PTH 10	ROW	3.5km	37km	NA	NA	
32R	360835	5914058	Access point 32 along existing road from PTH 10	Road	NA	NA	55km	5km	
32T	362283	5914810	Access point 32 along existing road from PTH 10	ROW	37km	3.7km	NA	NA	
33RT	365042	5912573	PTH 60 crossing	Road/ROW	3.7km	16km	5km	20km	

PROPOSED ACCESS ROUTES						
ID			Description	Rationale	Issues	Access Length
30			Access route along unmapped linear disturbance	Existing linear disturbance	Crosses existing t-line (Overflowing R to Ralls Island 230kV); narrow cutline.	2 km to PTH 10
31			Access route along favourable access along existing cutline/forestry road	Established permanent rail crossing		5.6km to PTH 10
32			Access route along existing roads and gravel pits for 95% of route adjacent to MB Hydro station	Existing MB Hydro disturbance	Crosses existing t-line ROW (Overflowing R to Ralls Island)	2km to PTH10

TRANSMISSION LINE CROSSINGS			
ID	Easting	Northing	T-Line Name
6	365033	5912481	Grand Rapids to Overflowing River



Manitoba Hydro - Red Hen

24-Ralls Creek