TABLE B-1
Line 6B 2012 Maintenance and Rehabilitation Program
Wetland Impacts in Lake and LaPorte Counties, Indiana

County	Pipeline Milepost	Wetland ID	Latitude	Longitude	Wetland Type a/	Dominant Species	Proposed Tree Species	Crossing Length (ft) b/	Temporary Wetland Impacts (Acre) c/	Temporary Forested Wetland Impact (Acre) d/	Permanent Forested Wetland Impact (Acre) e/	Temporary Excavation Impacts (ft^2) f/	Excavation Volume (yd^3) g/
GRIFFITH SEGMENT													
Lake	465.9	w-465-a	87° 26' 33.19" W	41° 31' 0.02" N	PEM	Narrowleaf willow (*Salix exigua*); Upright sedge (*Carex stricta*); Grass-leaved goldenrod (*Solidago graminifolia*)	--	537.3	1.69	--	--	8,059.5	1,253.7
Lake	466.1	w-466-f	87° 26' 6.88" W	41° 31' 8.08" N	PEM	Reed canary grass (*Phalaris arundinacea*)	--	0.0	0.08	--	--	0	0.0
Lake	466.5	w-466r-a	87° 25' 54.30" W	41° 31' 0.76" N	PFO/PEM/ PSS	Eastern cottonwood (*Populus deltoides*) Reed canary grass (*Phalaris arundinacea*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*); Swamp white oak (*Quercus bicolor*)	1,381.8	2.86	0.71	--	20,727	3,224.2
Lake	466.8	w-466-b	87° 25' 45.28" W	41° 30' 41.70" N	PEM	Red stemmed dogwood (*Cornus stolonifera*); American elderberry (*Sambuscus Canadensis*); Box Elder (*Acer negundo*); Reed canary grass (*Phalaris arundinacea*); Orange jewelweed (*Impatiens capensis*)	--	18.8	0.04	--	--	282	43.9
Lake	466.8	w-466-c	87° 25' 39.24" W	41° 30' 45.25" N	PEM	Reed canary grass (*Phalaris arundinacea*); Marsh seedbox (*Ludwigia palustris*)	--	16.2	0.03	--	--	243	37.8
Lake	466.9	w-466-d	87° 25' 36.51" W	41° 30' 44.91" N	PEM	Reed canary grass (*Phalaris arundinacea*); Common spikerush (*Eleocharis palustris*)	--	0.0	0.01	--	--	0	0.0
Lake	467.1	w-466-e	87° 25' 18.98" W	41° 30' 40.09" N	PFO/PEM	Reed canary grass (*Phalaris arundinacea*); Swamp white oak (*Quercus bicolor*); Silver maple (*Acer saccharinum*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*); Swamp white oak (*Quercus bicolor*)	1,254.9	2.21	1.25	0.16	18,823.5	2,928.1
Lake	467.2	w-467-c	87° 25' 16.20" W	41° 30' 42.14" N	PSS	Reed canary grass (*Phalaris arundinacea*); Narrowleaf willow (*Salix exigua*); American elm (*Ulmus americana*);	--	36.8	0.06	--	--	552	85.9
Lake	467.5	w-467-f	87° 24' 53.50" W	41° 30' 38.80" N	PFO	Eastern cottonwood (*Populus deltoides*); Silver maple (*Acer saccharinum*); Box elder (*Acer negundo*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*)	314.9	0.50	0.50	0.07	4,723.5	734.8
Lake	467.6	w-467-e	87° 24' 45.45" W	41° 30' 38.52" N	PEM	Narrowleaf willow (*Salix exigua*); Green bulrush *(Scirpus atrovirens);* Lake sedge *(Carex lacustris)*	--	90.9	0.19	--	--	1,363.5	212.1
Lake	467.7	w-467-b	87° 24' 39.80" W	41° 30' 39.60" N	PFO/PEM	Silver maple (*Acer saccharinum)* Reed canary grass (*Phalaris arundinacea*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*)	297.0	0.54	0.08	--	4,455	693.0
Lake	468.5	w-467-d	87° 23' 53.82" W	41° 30' 33.19" N	PFO/PEM	Black willow (*Salix nigra*); Eastern cottonwood (*Populus deltoides*); Pin oak (*Quercus palustris*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*); Swamp white oak (*Quercus bicolor*)	6,243.2	11.44	3.83	0.52	93,648	14,567.5
Lake	469.2	w-469-d	87° 23' 3.24" W	41° 30' 27.48" N	PEM/PSS	Reed canary grass (*Phalaris arundinacea*); Eastern cottonwood (*Populus deltoides*)	--	526.8	0.98	--	--	7,902	1,229.2
Lake	469.3	w-469-c	87° 22' 53.55" W	41° 30' 27.10" N	PEM/PSS	Canada goldenrod (*Solidago altissima*) Tall fescue (*Festuca arundinacea*)	--	336.9	0.70	--	--	5,053.5	786.1
Lake	469.7	w-469-b	87° 22' 29.50" W	41° 30' 22.42" N	PFO/PEM	Reed canary grass (*Phalaris arundinacea*); Eastern cottonwood (*Populus deltoides*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*)	2,586.8	4.87	0.50	0.01	38,802	6,035.9
Lake	470.1	PEM-1 h/	87° 21' 56.88" W	41° 30' 16.28" N	PEM	See footnote.	--	514.2	1.19	--	--	7,713	1,199.8
Lake	470.1	PFO-1 h/	87° 22' 0.50" W	41° 30' 16.91" N	PFO	See footnote.	TBD	74.4	0.12	0.12	0.02	1,116	173.6

TABLE B-1
Line 6B 2012 Maintenance and Rehabilitation Program
Wetland Impacts in Lake and LaPorte Counties, Indiana

County	Pipeline Milepost	Wetland ID	Latitude	Longitude	Wetland Type a/	Dominant Species	Proposed Tree Species	Crossing Length (ft) b/	Temporary Wetland Impacts (Acre) c/	Temporary Forested Wetland Impact (Acre) d/	Permanent Forested Wetland Impact (Acre) e/	Temporary Excavation Impacts (ft^2) f/	Excavation Volume (yd^3) g/
Lake	470.3	PEM-2 h/	87° 21' 48.52" W	41° 30' 15.00" N	PEM	See footnote.	--	185.5	0.34	--	--	2,782.5	432.8
Lake	470.3	PFO-2 h/	87° 21' 42.76" W	41° 30' 14.17" N	PFO	See footnote.	TBD	668.5	1.37	1.37	0.15	10,027.5	1,559.8
Lake	470.3	PEM-3 h/	87° 21' 36.92" W	41° 30' 13.18" N	PEM	See footnote.	--	125.3	0.22	--	--	1,879.5	292.4
							Lake County Subtotal	**15,327.8**	**29.44**	**8.36**	**0.93**	**228,153.0**	**35,490.5**
LAPORTE SEGMENT													
LaPorte	501.0	w-501-a	86° 49' 38.47" W	41° 38' 3.70" N	PFO	American elm (*Ulmus americana*); Orange jewelweed (*Impatiens capensis*)	Pin oak (*Quercus palustris*) Shellbark Hickory (*Carya laciniosa*)	0.0	0.12	0.12	--	--	--
LaPorte	501.2	w-501-b	86° 49' 22.19" W	41° 38' 11.65" N	PFO/PEM	American elm (*Ulmus americana*); Black ash (*Fraxinus nigra*) Northern spicebush (*Lindera benzoin*)	Pin oak (*Quercus palustris*); Swamp white oak (*Quercus bicolor*)	130.9	0.23	0.06	0.03	1,963.5	293.3
LaPorte	501.7	w-501-c	86° 48' 57.93" W	41° 38' 22.52" N	PEM	Reed canary grass (*Phalaris arundinacea*); Fox sedge *(Carex vulpinoidea)*	--	5.3	<0.01	--	--	79.5	--
LaPorte	502.0	w-501-d	86° 48' 36.89" W	41° 38' 29.74" N	PEM	Lake sedge *(Carex lacustris);* Woolgrass *(Scirpus cyperinus)* Broadleaf cattail *(Typha latifolia)*	--	0.0	0.01	--	--	--	--
LaPorte	503.5	w-503-a	86° 47' 8.59" W	41° 38' 52.13" N	PFO/PEM	Green or red ash (*Fraxinus pennsylvanica*); Eastern cottonwood (*Populus deltoides*); Pin oak (*Quercus palustris*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*)	80.7	0.13	0.04	--	1,210.5	188.3
LaPorte	504.1	w-503-d	86° 46' 27.95" W	41° 38' 51.74" N	PEM	Spotted ladysthumb (*Polygonum persicaria*)	--	0.0	0.13	--	--	--	--
LaPorte	504.3	w-504-a	86° 46' 13.27" W	41° 38' 52.00" N	PFO/PEM	Silver maple (*Acer saccharinum*); Green or red ash (*Fraxinus pennsylvanica*)	Pin oak (*Quercus palustris*); Shellbark Hickory (*Carya laciniosa*)	1,260.4	2.22	0.93	--	18,906	2,940.9
LaPorte	504.5	w-504-b	86° 45' 58.41" W	41° 38' 53.73" N	PEM	Curly dock (*Rumex crispus*) Soybean (*Glycine max*)	--	0.0	0.02	--	--	--	--
							LaPorte County Subtotal	**1,581.7**	**2.86**	**1.15**	**0.03**	**22,159.5**	**3,447.0**
							TOTAL IMPACTS	**16,909.5**	**32.30**	**9.51**	**0.96**	**250,312.5**	**38,937.5**

a/ Wetland type within construction workspace based on Cowardin, et. al (1979). PEM = Palustrine Emergent; PSS = Palustrine Scrub-shrub; PFO = Palustrine Forested

b/ Crossing length of proposed pipeline centerline across wetlands. A crossing length of 0.0 indicates the wetland is within the construction workspace, but is not crossed by the proposed pipeline.

c/ Area of wetland impacts within the construction workspace based on an 80-foot-wide workspace, including temporary dredge and fill areas, travel lanes, and staging areas.

d/ Temporary forested wetland impacts include total impacts where forested wetland clearing was necessary within the construction workspace.

e/ Permanent forested wetland impacts include the 10-foot-wide area within the new permanent easement where the pipeline corridor will be maintained by periodic clearing activities.

f/ Temporary excavation and storage impacts include the area where the trench will be excavated and where the trench material will be stored. These areas are generally 15 feet wide along the length of the pipeline that crosses the wetland.

g/ The temporary excavation and storage volumes are based on an average trench width of 9 feet and average trench depth of 7 feet. Volume (yd^3) = (crossing length x 63 ft^2)/27). Excavated material will be returned to the trench after placement of the pipe. See supplement for further information.

h/ The location of these wetlands have not yet been surveyed and are assumed to be wetland to help estimate a worst case scenario and expedite the permitting process until they can be surveyed prior to construction. Enbridge will submit the data to the appropriate agencies when survey becomes available.