

# **APPENDIX G VEGETATION AND WETLANDS**



**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

## Appendix G VEGETATION AND WETLANDS

### G.1 COMPREHENSIVE VASCULAR PLANT SPECIES LIST

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Acer negundo</i> var. <i>interius</i>	Manitoba maple	S5
<i>Achillea millefolium</i>	common yarrow	S5
<i>Agoseris glauca</i> var. <i>glauca</i>	glaucous false dandelion	S4
<i>Agropyron cristatum</i> ssp. <i>pectinatum</i>	crested wheatgrass	SNA
<i>Agrostis scabra</i> var. <i>scabra</i>	hair grass	S4
<i>Agrostis stolonifera</i> var. <i>palustris</i>	spreading bent	SNA
<i>Alisma triviale</i>	broad-leaved water plantain	S4
<i>Allium textile</i>	prairie onion	S4
<i>Alopecurus aequalis</i> var. <i>aequalis</i>	short-awn meadow-foxtail	S4
<i>Alopecurus arundinaceus</i>	creeping meadow-foxtail	SNA
<i>Alopecurus pratensis</i>	meadow foxtail	SNA
<i>Alyssum desertorum</i>	alyssum	SNA
<i>Amelanchier alnifolia</i> var. <i>alnifolia</i>	Saskatoon	S5
<i>Androsace septentrionalis</i>	pygmyflower	S5
<i>Anemone canadensis</i>	Canada anemone	S4
<i>Anemone cylindrica</i>	long-fruited anemone	S4
<i>Anemone multifida</i> var. <i>multifida</i>	cut-leaved anemone	S4
<i>Anemone patens</i> var. <i>multifida</i>	prairie crocus	S5
<i>Antennaria parvifolia</i>	small-leaved everlasting	S4
<i>Antennaria rosea</i> ssp. <i>rosea</i>	pink pussytoes	S4
<i>Anthoxanthum hirtum</i> ssp. <i>arcticum</i>	sweet grass	S4
<i>Apocynum cannabinum</i> var. <i>hypericifolium</i>	Indian hemp	S4
<i>Arabis pycnocarpa</i> var. <i>pycnocarpa</i>	hairy rockcress	S4
<i>Arnica fulgens</i>	shining-leaved Arnica	S4
<i>Artemisia absinthium</i>	absinthe	SNA
<i>Artemisia biennis</i> var. <i>biennis</i>	sagewort	SNA
<i>Artemisia campestris</i> ssp. <i>caudata</i>	plains sagewort	S4
<i>Artemisia campestris</i> ssp. <i>pacifica</i>	western plains sagewort	S4

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Artemisia cana</i> ssp. <i>cana</i>	hoary sagebrush	S5
<i>Artemisia frigida</i>	pasture sage	S5
<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	prairie sage	S5
<i>Astragalus agrestis</i>	field milk-vetch	S4
<i>Astragalus bisulcatus</i> var. <i>bisulcatus</i>	two-grooved milk-vetch	S4
<i>Astragalus cicer</i>	cicer milk-vetch	SNA
<i>Astragalus crassicaarpus</i> var. <i>crassicaarpus</i>	ground-plum	S4
<i>Astragalus flexuosus</i> var. <i>flexuosus</i>	slender milk-vetch	S4
<i>Astragalus gilviflorus</i> var. <i>gilviflorus</i>	cushion milk-vetch	S5
<i>Astragalus laxmannii</i> var. <i>robustior</i>	Laxmann's milk-vetch	S4
<i>Astragalus lotiflorus</i>	low milk-vetch	S4
<i>Astragalus pectinatus</i>	narrow-leaved milk-vetch	S4
<i>Atriplex gardneri</i> var. <i>gardneri</i>	Nuttall's saltbush	S5
<i>Atriplex prostrata</i>	creeping saltbush	SNA
<i>Atriplex rosea</i>	red orache	SNA
<i>Avena fatua</i>	wild oat	SNA
<i>Avenula hookeri</i>	Hooker's oat grass	S5
<i>Bassia scoparia</i>	kochia	SNA
<i>Beckmannia syzigachne</i>	slough grass	S4
<i>Bidens cernua</i>	nodding beggar-ticks	S4
<i>Boechera collinsii</i>	Collins' rockcress	S4
<i>Boechera grahamii</i>	rockcress	S4
<i>Boechera retrofracta</i>	reflexed rockcress	S4
<i>Bolboschoenus maritimus</i> ssp. <i>paludosus</i>	prairie bulrush	S4
<i>Bouteloua gracilis</i>	blue grama	S5
<i>Bromus carinatus</i> var. <i>marginatus</i>	California brome	S4
<i>Bromus ciliatus</i>	fringed brome	S4
<i>Bromus inermis</i>	smooth brome	SNA
<i>Bromus porteri</i>	Porter's brome	S4
<i>Calamagrostis stricta</i>	northern geed grass	S5
<i>Campanula rotundifolia</i>	harebell	S5
<i>Capsella bursa-pastoris</i>	shepherd's-purse	SNA
<i>Caragana arborescens</i>	common caragana	SNA

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Carex atherodes</i>	awned sedge	S4
<i>Carex duriuscula</i>	needle-leaved sedge	S5
<i>Carex filifolia</i>	thread-leaved sedge	S5
<i>Carex inops</i> ssp. <i>heliophila</i>	sun sedge	S5
<i>Carex obtusata</i>	blunt sedge	S4
<i>Carex pellita</i>	woolly sedge	S4
<i>Carex praegracilis</i>	graceful sedge	S4
<i>Carex sartwellii</i> var. <i>sartwellii</i>	Sartwell's sedge	S4
<i>Cerastium arvense</i> ssp. <i>strictum</i>	field mouse-ear chickweed	S5
<i>Chamaerhodos erecta</i>	little-rose	S4
<i>Chenopodium album</i> var. <i>album</i>	Lamb's-quarter's	SNA
<i>Chenopodium glaucum</i> var. <i>salinum</i>	Rocky Mountain goosefoot	S4
<i>Chenopodium rubrum</i> var. <i>rubrum</i>	red goosefoot	S4
<i>Cicuta maculata</i> var. <i>maculata</i>	spotted water-hemlock	S4
<i>Cirsium arvense</i>	Canada thistle	SNA
<i>Cirsium flodmanii</i>	Flodman's thistle	S4
<i>Cirsium undulatum</i> var. <i>undulatum</i>	wavy-leaved thistle	S4
<i>Comandra umbellata</i> ssp. <i>pallida</i>	bastard toadflax	S5
<i>Comandra umbellata</i> ssp. <i>umbellata</i>	bastard toadflax	S5
<i>Convolvulus arvensis</i>	field bindweed	SNA
<i>Conyza canadensis</i>	horseweed	S4
<i>Crepis tectorum</i>	annual hawksbeard	SNA
<i>Cryptantha spiculifera</i>	Macoun's cryptantha	S4
<i>Cyclachaena xanthiifolia</i>	false ragweed	S4
<i>Dalea purpurea</i> var. <i>purpurea</i>	purple prairie-clover	S4
<i>Deschampsia cespitosa</i> ssp. <i>cespitosa</i>	tufted hair grass	S4
<i>Descurainia sophia</i>	flixweed	SNA
<i>Distichlis spicata</i>	alkali grass	S5
<i>Draba nemorosa</i>	yellow whitlow-grass	S4
<i>Drymocallis arguta</i>	white cinquefoil	S4
<i>Echinochloa crus-galli</i>	barnyard grass	SNA
<i>Eleocharis acicularis</i>	needle spike-rush	S4
<i>Eleocharis palustris</i>	creeping spike-rush	S4

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Elymus albicans</i>	Montana wheatgrass	S5
<i>Elymus canadensis</i> var. <i>canadensis</i>	Canadian wild rye	S4
<i>Elymus lanceolatus</i> ssp. <i>lanceolatus</i>	northern wheatgrass	S5
<i>Elymus repens</i>	creeping wild rye	SNA
<i>Elymus trachycaulus</i> ssp. <i>subsecundus</i>	slender wheatgrass	S5
<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	slender wheatgrass	S5
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	hairy willow-herb	S4
<i>Epilobium palustre</i>	marsh willow-herb	S4
<i>Equisetum arvense</i>	common horsetail	S5
<i>Erigeron caespitosus</i>	tufted fleabane	S4
<i>Erigeron glabellus</i> var. <i>glabellus</i>	streamside fleabane	S5
<i>Erigeron lonchophyllus</i>	low-meadow fleabane	S4
<i>Erigeron pumilus</i> var. <i>pumilus</i>	shaggy fleabane	S4
<i>Eriogonum flavum</i> var. <i>flavum</i>	yellow umbrella plant	S4
<i>Erysimum asperum</i>	western wallflower	S4
<i>Erysimum cheiranthoides</i>	wormseed mustard	SNA
<i>Erysimum inconspicuum</i> var. <i>inconspicuum</i>	shy wallflower	S4
<i>Escobaria vivipara</i> var. <i>vivipara</i>	pincushion cactus	S4
<i>Fagopyrum tataricum</i>	tartary buckwheat	SNA
<i>Fallopia convolvulus</i>	wild buckwheat	SNA
<b><i>Festuca hallii</i></b>	<b>plains rough fescue</b>	<b>S3</b>
<i>Festuca saximontana</i> var. <i>saximontana</i>	Rocky Mountain fescue	S5
<i>Festuca trachyphylla</i>	sheep fescue	SNA
<i>Gaillardia aristata</i>	great-flowered gaillardia	S4
<i>Galium boreale</i>	northern bedstraw	S5
<i>Galium triflorum</i>	sweet-scented bedstraw	S4
<i>Gaura coccinea</i>	scarlet gaura	S4
<i>Gentiana affinis</i>	oblong-leaved gentian	S4
<i>Gentianella amarella</i> ssp. <i>acuta</i>	autumn dwarf-gentian	S4
<i>Geum aleppicum</i>	yellow avens	S4
<i>Geum triflorum</i> var. <i>triflorum</i>	three-flowered avens	S5
<i>Glycyrrhiza lepidota</i>	wild licorice	S4
<i>Gnaphalium palustre</i>	western marsh cudweed	S5

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Grindelia hirsutula</i>	curly-cup gumweed	S5
<i>Grindelia squarrosa</i>	gumweed	S5
<i>Gutierrezia sarothrae</i>	broomweed	S4
<i>Helianthus annuus</i>	common annual sunflower	S4
<i>Helianthus nuttallii</i> ssp. <i>nuttallii</i>	common tall sunflower	S4
<i>Helianthus pauciflorus</i> ssp. <i>subrhomboideus</i>	Rhombic-leaved sunflower	S4
<i>Helianthus petiolaris</i> ssp. <i>petiolaris</i>	prairie sunflower	S4
<i>Hesperis matronalis</i>	dame's rocket	SNA
<i>Heterotheca villosa</i> var. <i>villosa</i>	hairy false golden-aster	S5
<i>Heuchera richardsonii</i>	alumroot	S4
<i>Hippuris vulgaris</i>	common mare's-tail	S4
<i>Hordeum jubatum</i> ssp. <i>jubatum</i>	fox-tail barley	S5
<i>Hymenoxys richardsonii</i> var. <i>richardsonii</i>	Colorado rubber-plant	S4
<i>Iva axillaris</i>	poverty-weed	S4
<i>Juncus balticus</i>	Baltic rush	S4
<i>Juncus bufonius</i>	toad rush	S4
<i>Juncus dudleyi</i>	Dudley's rush	S4
<i>Koeleria macrantha</i>	June grass	S5
<i>Krascheninnikovia lanata</i>	winter-fat	S4
<i>Lactuca serriola</i>	prickly lettuce	SNA
<i>Lappula squarrosa</i>	blue-bur	SNA
<i>Lemna turionifera</i>	Turion duckweed	S4
<i>Lepidium densiflorum</i> var. <i>densiflorum</i>	Miner's pepperwort	SNA
<i>Liatris punctata</i> var. <i>punctata</i>	dotted blazing star	S5
<i>Linum lewisii</i> var. <i>lewisii</i>	flax	S4
<i>Linum rigidum</i> var. <i>rigidum</i>	large-flower yellow flax	S4
<i>Lithospermum canescens</i>	hoary puccoon	S4
<i>Lithospermum incisum</i>	narrow-leaved puccoon	S4
<i>Lygodesmia juncea</i>	skeleton-weed	S5
<i>Lysimachia maritima</i>	sea-milkwort	S4
<i>Medicago lupulina</i>	black medic	SNA
<i>Medicago sativa</i> ssp. <i>falcata</i>	yellow alfalfa	SNA
<i>Medicago sativa</i> ssp. <i>sativa</i>	alfalfa	SNA

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Melilotus albus</i>	white sweet-clover	SNA
<i>Melilotus officinalis</i>	yellow sweet-clover	SNA
<i>Muhlenbergia asperifolia</i>	scratch grass	S4
<i>Muhlenbergia cuspidata</i>	prairie muhly	S4
<i>Muhlenbergia richardsonis</i>	mat muhly	S4
<i>Mulgedium pulchellum</i>	common blue lettuce	S4
<i>Musineon divaricatum</i> var. <i>divaricatum</i>	wild parsley	SNA
<b><i>Myosurus minimus</i></b>	<b>least mouse-tail</b>	<b>S3</b>
<i>Nassella viridula</i>	green needlegrass	S5
<i>Oenothera biennis</i>	yellow evening primrose	S4
<i>Oenothera serrulata</i>	shrubby evening primrose	S5
<i>Orobanche fasciculata</i>	clustered broom-rape	S4
<b><i>Orobanche ludoviciana</i> ssp. <i>ludoviciana</i></b>	<b>Louisiana broom-rape</b>	<b>S3</b>
<i>Orthocarpus luteus</i>	owl's-clover	S4
<i>Oxytropis monticola</i>	late yellow locoweed	S4
<i>Packera cana</i>	silvery groundsel	S4
<b><i>Paronychia sessiliflora</i></b>	<b>low whitflow-wort</b>	<b>S3</b>
<i>Pascopyrum smithii</i>	western wheatgrass	S5
<i>Pediomelum argophyllum</i>	silvery scurf pea	S5
<i>Pediomelum esculentum</i>	Indian breadroot	S4
<i>Penstemon albidus</i>	white beardtongue	S4
<i>Penstemon gracilis</i> var. <i>gracilis</i>	lilac beardtongue	S4
<i>Penstemon nitidus</i> var. <i>nitidus</i>	smooth blue beardtongue	S4
<i>Penstemon procerus</i> var. <i>procerus</i>	pincushion beardtongue	S4
<i>Peritoma serrulata</i>	spiderflower	S4
<i>Persicaria amphibia</i> var. <i>emersa</i>	water smartweed	S4
<i>Persicaria lapathifolia</i>	pale persicaria	S4
<i>Phalaris arundinacea</i>	reed canary grass	S4
<i>Phlox hoodii</i> ssp. <i>hoodii</i>	moss phlox	S5
<i>Physaria arenosa</i> ssp. <i>arenosa</i>	Great Plains bladder-pod	S4
<i>Plantago major</i>	common plantain	SNA
<i>Poa arida</i>	plains blue grass	S4
<i>Poa compressa</i>	Canada blue grass	SNA



**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Poa cusickii</i> ssp. <i>pallida</i>	Cusick's blue grass	S4
<i>Poa interior</i>	inland blue grass	S4
<i>Poa palustris</i>	fowl blue grass	S4
<i>Poa pratensis</i>	Kentucky blue grass	SNA
<i>Poa secunda</i> ssp. <i>juncifolia</i>	big blue grass	S5
<i>Poa secunda</i> ssp. <i>secunda</i>	Canby blue grass	S5
<i>Polygonum aviculare</i> ssp. <i>aviculare</i>	doorweed	SNA
<i>Polygonum aviculare</i> ssp. <i>neglectum</i>	yard knotweed	SNA
<i>Polygonum erectum</i>	erect knotweed	SNA
<i>Populus balsamifera</i> ssp. <i>balsamifera</i>	balsam poplar	S5
<i>Potentilla anserina</i> ssp. <i>anserina</i>	silverweed	S4
<i>Potentilla bipinnatifida</i>	plains cinquefoil	S4
<i>Potentilla concinna</i> var. <i>divisa</i>	divided-leaved cinquefoil	S4
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil	S4
<i>Potentilla hippiana</i>	woolly cinquefoil	S5
<i>Potentilla norvegica</i>	rough cinquefoil	S4
<i>Potentilla pensylvanica</i>	prairie cinquefoil	S4
<i>Prunus pensylvanica</i>	fire cherry	S4
<i>Prunus virginiana</i> var. <i>virginiana</i>	chokecherry	S5
<i>Puccinellia nuttalliana</i>	Nuttall's salt-meadow grass	S4
<b><i>Ranunculus cardiophyllus</i></b>	<b>heart-leaved buttercup</b>	<b>S2</b>
<i>Ranunculus cymbalaria</i>	seaside buttercup	S4
<i>Ranunculus macounii</i>	Macoun's buttercup	S4
<i>Ratibida columnifera</i>	prairie cone-flower	S4
<i>Rosa acicularis</i> ssp. <i>sayi</i>	prickly rose	S5
<i>Rosa arkansana</i>	low prairie rose	S5
<i>Rosa woodsii</i> var. <i>woodsii</i>	Wood's rose	S5
<i>Rumex acetosa</i>	sour dock	SNA
<i>Rumex crispus</i>	curled dock	SNA
<i>Rumex fueginus</i>	golden dock	S5
<i>Rumex occidentalis</i>	western dock	S4
<i>Rumex pseudonatronatus</i>	field dock	SNA
<i>Rumex triangulivalvis</i>	triangular-valved dock	S5

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

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<i>Sagittaria cuneata</i>	arrow-leaved arrowhead	S4
<i>Salicornia rubra</i>	red samphire	S4
<i>Salsola kali</i>	Russian-thistle	SNA
<i>Schedonorus pratensis</i>	meadow fescue	SNA
<i>Schoenoplectus acutus</i> var. <i>acutus</i>	hard-stemmed bulrush	S4
<i>Schoenoplectus pungens</i>	three-square rush	S4
<i>Schoenoplectus tabernaemontani</i>	soft-stem bulrush	S4
<i>Selaginella densa</i> var. <i>densa</i>	dense spike-moss	S4
<i>Senecio integerrimus</i> var. <i>integerrimus</i>	lamb-tongue ragwort	S4
<i>Setaria viridis</i> var. <i>viridis</i>	green foxtail	SNA
<i>Shepherdia argentea</i>	buffalo-berry	S4
<i>Silene drummondii</i> ssp. <i>drummondii</i>	Drummond's catchfly	S4
<i>Silene noctiflora</i>	night-flowering catchfly	SNA
<i>Sisymbrium altissimum</i>	tumbling mustard	SNA
<i>Sisymbrium loeselii</i>	tall hedge mustard	SNA
<i>Sisyrinchium montanum</i> var. <i>montanum</i>	common blue-eyed-grass	S4
<i>Solanum triflorum</i>	wild tomato	S4
<i>Solidago altissima</i>	tall goldenrod	S5
<i>Solidago altissima</i> ssp. <i>gilvocanescens</i>	canescent goldenrod	S5
<i>Solidago gigantea</i>	late goldenrod	S4
<i>Solidago lepida</i> var. <i>lepida</i>	western Canada goldenrod	S4
<i>Solidago missouriensis</i> var. <i>missouriensis</i>	Missouri goldenrod	S5
<i>Solidago mollis</i> var. <i>mollis</i>	velvet goldenrod	S4
<i>Solidago multiradiata</i>	northern goldenrod	S5
<i>Solidago rigida</i> ssp. <i>humilis</i>	stiff goldenrod	S4
<i>Solidago simplex</i> var. <i>simplex</i>	Mt. Albert goldenrod	S4
<i>Sonchus arvensis</i> ssp. <i>arvensis</i>	field sow-thistle	SNA
<i>Sonchus asper</i> ssp. <i>asper</i>	spiny-leaved annual sowthistle	SNA
<i>Spartina gracilis</i>	alkali cord grass	S4
<i>Sphaeralcea coccinea</i> ssp. <i>coccinea</i>	scarlet mallow	S5
<i>Stellaria longifolia</i>	long-leaf starwort	S4
<i>Stellaria longipes</i> ssp. <i>longipes</i>	long-stalked starwort	S5
<i>Stenotus armerioides</i> var. <i>armerioides</i>	thrifty goldenweed	S4

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**Table G-1 Comprehensive Vascular Plant Species List**

Provincial Scientific Name	Provincial Common Name	Provincial Rank
<i>Suaeda calceoliformis</i>	sea-blite	S4
<i>Symphoricarpos occidentalis</i>	western snowberry	S5
<i>Symphyotrichum ciliatum</i>	Lindley's aster	S4
<i>Symphyotrichum ericoides</i> var. <i>pansum</i>	tufted white prairie aster	S5
<i>Symphyotrichum falcatum</i> var. <i>commutatum</i>	creeping white prairie aster	S4
<i>Symphyotrichum falcatum</i> var. <i>falcatum</i>	white prairie aster	S4
<i>Symphyotrichum laeve</i> var. <i>geyeri</i>	Geyer's aster	S5
<i>Symphyotrichum lanceolatum</i> var. <i>lanceolatum</i>	white paniced American-aster	S4
<i>Tanacetum vulgare</i>	tansy	SNA
<i>Taraxacum officinale</i> ssp. <i>officinale</i>	common dandelion	SNA
<i>Thalictrum venulosum</i>	veiny meadow-rue	S4
<i>Thermopsis rhombifolia</i>	golden-bean	S5
<i>Thlaspi arvense</i>	stinkweed	SNA
<b><i>Townsendia hookeri</i></b>	<b>Hooker's townsendia</b>	<b>S1</b>
<i>Tragopogon dubius</i>	yellow goat's-beard	SNA
<i>Trifolium hybridum</i>	alsike clover	SNA
<i>Triglochin maritima</i>	seaside arrow-grass	S4
<i>Triglochin palustris</i>	marsh arrow-grass	S4
<i>Turritis glabra</i>	tower mustard	S4
<i>Typha latifolia</i>	common cattail	S4
<i>Ulmus pumila</i>	Siberian elm	SNA
<i>Urtica dioica</i> ssp. <i>gracilis</i>	stinging nettle	S4
<i>Utricularia vulgaris</i>	common bladderwort	S4
<i>Veronica peregrina</i> ssp. <i>xalapensis</i>	hairy speedwell	S4
<i>Veronica persica</i>	bird's-eye	SNA
<i>Vicia americana</i> ssp. <i>americana</i>	American purple vetch	S5
<i>Viola adunca</i> var. <i>adunca</i>	sand violet	S5
<i>Xanthisma grindelioides</i> var. <i>grindelioides</i>	rayless tansy-aster	S4
<i>Xanthisma spinulosum</i> var. <i>spinulosum</i>	spiny goldenaster	S4
<i>Xanthium spinosum</i>	spiny cocklebur	SNA
<i>Zigadenus venenosus</i> var. <i>gramineus</i>	white camas	S4
<i>Zizia aptera</i>	heart-leaved Alexanders	S4

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017

**G.2 PHOTOGRAPHS**



PHOTO 1 Native prairie on transect 59 at the SE 19-15-08 W3M, facing north.



PHOTO 2 Tame pasture on transect 17 at the NE 32-15-09 W3M, facing south.



PHOTO 3 Hayland in the SW 17-15-08 W3M, facing north.



PHOTO 4 Cultivated land in the NE 19-15-09 W3M, facing west.

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017



PHOTO 5 Wetland Class II at wetland 36 in the SE 14-15-09 W3M, facing west



PHOTO 6 Wetland Class III at wetland 172 in the SW 14-15-09 W3M, facing south.



PHOTO 7 Wetland Class IV at wetland 1000 in the SW 17-15-08 W3M, facing south.



PHOTO 8 Alkaline Class III wetland at wetland 401 in the NW 21-15-09 W3M, facing west.

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017



PHOTO 9 Drainage in the SE 19-15-09 W3M, facing south.



PHOTO 10 Dugout at T30 in the NW 21-15-09 W3M, facing north.



PHOTO 11 Macoun's cryptanth (*Cryptantha macounii*) – S2



PHOTO 12 Least Mousetail (*Myosurus minimus*) – S3

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017



PHOTO 13 Louisiana broomrape (*Orobanché ludoviciana* ssp. *ludoviciana*) – S3



PHOTO 14 Heart-leaved buttercup (*Ranunculus cardiophyllus*) – S2



**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017



PHOTO 15 Hooker's Townsendia (*Townsendia hookeri*) – S1

**BLUE HILL WIND ENERGY PROJECT  
ENVIRONMENTAL IMPACT STATEMENT**

Appendix G Vegetation and Wetlands  
December 2017