

APPENDIX 4-5

TABLE OF PLANT SPECIES LIST IN THE PROJECT VICINITY

**Chuitna Coal Project Plant Species List with Wetlands Indicator Status, HDR 2007
 (with addendum of additional species from APA study, 1981)**

Chuitna Coal Project Plan Species List with Wetlands Indicator Status			
Scientific Name ¹	Common Name	Synonymous Name in the 1988 National Wetlands Indicator List ²	Alaska Region Wetlands Indicator ³
<i>Achillea millefolium</i>	Common yarrow	<i>Achillea millefolium</i>	FACU
<i>Aconitum delphinifolium</i>	Monkshood	<i>Aconitum delphinifolium</i>	FAC
<i>Actaea rubra</i>		Baneberry	NL
<i>Adoxa moschatellina</i>	Muskroot	<i>Adoxa moschatellina</i>	FAC
<i>Agrostis alaskana</i>	Alaska bentgrass	<i>Agrostis alaskana</i>	OBL
<i>Agrostis scabra</i>	Rough bentgrass	<i>Agrostis scabra</i>	FAC
<i>Agrostis</i> sp.	Unkeyed agrostis		-
<i>Allium schoenoprasum</i>	Wild chives	<i>Allium schoenoprasum</i>	FAC
<i>Alnus incana</i> ssp. <i>tenuifolia</i>	Thinleaf alder	<i>Alnus tenuifolia</i>	FAC
<i>Alnus viridis</i> ssp. <i>fruticosa</i>	Green alder	<i>Alnus crispa</i>	FAC
<i>Alnus viridis</i> ssp. <i>sinuata</i>	Sitka alder	<i>Alnus sinuata</i>	FAC
<i>Alopecurus aequalis</i>	Short-awn foxtail	<i>Alopecurus aequalis</i>	OBL
<i>Alopecurus pratensis</i> ⁴	Meadow foxtail	<i>Alopecurus pratensis</i>	FACW
<i>Andromeda polifolia</i>	Bog rosemary	<i>Andromeda polifolia</i>	OBL
<i>Anemone richardsonii</i>	Yellow thimble-weed	<i>Anemone richardsonii</i>	FAC
<i>Angelica genuflexa</i>	Kneeling angelica	<i>Angelica genuflexa</i>	FACW
<i>Angelica lucida</i>	Seawatch angelica	<i>Angelica lucida</i>	FACU
<i>Arabis drummondii</i>	Drummond's rockcress	<i>Arabis drummondii</i>	FACU
<i>Arctagrostis latifolia</i>	Board-leaf arctic-bentgrass	<i>Arctagrostis latifolia</i>	FACW
<i>Arctophila fulva</i>	Pendent grass	<i>Arctophila fulva</i>	OBL
<i>Arnica latifolia</i>	Broadleaf arnica	<i>Arnica latifolia</i>	FAC
<i>Athyrium filix-femina</i>	Subarctic lady fern	<i>Athyrium filix-femina</i>	FAC
<i>Betula glandulosa</i>	Tundra dwarf birch	<i>Betula glandulosa</i>	FAC
<i>Betula kenaica</i>	Kenai birch	<i>Betula papyrifera</i>	FACU
<i>Betula nana</i> ssp. <i>exilis</i>	Swamp birch	<i>Betula nana</i>	FAC
<i>Betula</i> hybrid	Birch hybrid		-
<i>Bistorta vivipara</i>	Viviparous knotweed	<i>Polygonum viviparum</i>	FAC
<i>Botrychium lanceolatum</i>	Triangle moonwort	<i>Botrychium lanceolatum</i>	FAC
<i>Botrychium lunaria</i>	Moonwort	<i>Botrychium lunaria</i>	FACW
<i>Botrychium multifidum</i>	Leathery grapefern	<i>Botrychium multifidum</i>	FAC
<i>Botrychium pinnatum</i> ⁴	Northern moonwort	<i>Botrychium boreal</i>	FAC
<i>Bromus ciliatus</i>	Fringed brome	<i>Bromus ciliatus</i>	FACW
<i>Calamagrostis canadensis</i>	Blue-joint reedgrass	<i>Calamagrostis canadensis</i>	FAC
<i>Calla palustris</i> ⁴	Water arum	<i>Calla palustris</i>	OBL
<i>Callitriche palustris</i>	Spiny water-starwort	<i>Callitriche verna</i>	OBL
<i>Cardamine oligosperma</i> var. <i>kamtschatica</i>	Umbel-flower bitter-cress	<i>Cardamine umbellata</i>	FACW
<i>Cardamine pratensis</i>	Cuckoo flower	<i>Cardamine pratensis</i>	OBL
<i>Carex aquatilis</i> var. <i>aquatilis</i>	Water sedge	<i>Carex aquatilis</i>	OBL
<i>Carex aquatilis</i> var. <i>dives</i>	Sitka sedge	<i>Carex sitchensis</i>	OBL
<i>Carex brunnescens</i>	Brownish sedge	<i>Carex brunnescens</i>	FAC
<i>Carex buxbaumii</i>	Brown bog sedge	<i>Carex buxbaumii</i>	FACW
<i>Carex canescens</i>	Hoary sedge	<i>Carex canescens</i>	OBL
<i>Carex chordorrhiza</i>	Creeping sedge	<i>Carex chordorrhiza</i>	OBL
<i>Carex diandra</i>	Lesser panicled sedge	<i>Carex diandra</i>	OBL
<i>Carex disperma</i>	Softleaf sedge	<i>Carex disperma</i>	FACW*
<i>Carex echinata</i> ssp. <i>phyllomanica</i>	Coastal stellate sedge	<i>Carex phyllomanica</i>	OBL
<i>Carex gynocrates</i>	Northern bog sedge	<i>Carex gynocrates</i>	OBL

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<i>Carex lenticularis</i> var. <i>lipocarpa</i>	Kellogg's sedge	<i>Carex kelloggii</i>	OBL
<i>Carex leptalea</i>	Bristly-stalk sedge	<i>Carex leptalea</i>	OBL
<i>Carex limosa</i>	Mud sedge	<i>Carex limosa</i>	OBL
<i>Carex livida</i>	Livid sedge	<i>Carex livida</i>	OBL
<i>Carex macrochaeta</i>	Alaska long-awn sedge	<i>Carex macrochaeta</i>	FACW
<i>Carex magellanica</i> ssp. <i>irrigua</i>	Boreal bog sedge	<i>Carex paupercula</i>	OBL
<i>Carex mertensii</i>	Merten's sedge	<i>Carex mertensii</i>	FACW
<i>Carex pachystachya</i>	Thick-head sedge	<i>Carex pachystachya</i>	FAC
<i>Carex pauciflora</i>	Few-flower sedge	<i>Carex pauciflora</i>	OBL
<i>Carex pluriflora</i>	Several flowered sedge	<i>Carex pluriflora</i>	OBL
<i>Carex rariflora</i>	Loose flowered sedge	<i>Carex rariflora</i>	OBL
<i>Carex rostrata</i>	Beaked sedge	<i>Carex rostrata</i>	OBL
<i>Carex rotundata</i>	Round-fruit sedge	<i>Carex rotundata</i>	OBL
<i>Carex saxatilis</i>	Russet sedge	<i>Carex saxatilis</i>	FACW
<i>Carex</i> sp.	Unkeyed sedge		-
<i>Carex tenuiflora</i>	Sparse-flower sedge	<i>Carex tenuiflora</i>	OBL
<i>Carex utriculata</i>	Northwest Territory sedge	<i>Carex rhynchophysa</i>	OBL
<i>Carex vaginata</i>	Sheathed sedge	<i>Carex vaginata</i>	OBL
<i>Castilleja unalaschcensis</i>	Alaska Indian paintbrush	<i>Castilleja unalaschcensis</i>	FAC
<i>Chamaedaphne calyculata</i>	Leatherleaf	<i>Chamaedaphne calyculata</i>	FACW
<i>Chamerion angustifolium</i>	Fireweed	<i>Epilobium angustifolium</i>	FACU
<i>Chrysosplenium tetrandrum</i>	Northern golden-saxifrage	<i>Chrysosplenium tetrandrum</i>	OBL
<i>Cicuta virosa</i>	Mackenzie water-hemlock	<i>Cicuta mackenziana</i>	OBL
<i>Cinna latifolia</i> ⁴	Drooping woodreed	<i>Cinna latifolia</i>	OBL
<i>Circaea alpina</i>	Small enchanter's nightshade	<i>Circaea alpina</i>	NI
<i>Comarum palustre</i>	Marsh cinquefoil	<i>Potentilla palustris</i>	OBL
<i>Conioselinum gmelinii</i>	Hemlock-parsley	<i>Conioselinum gmelinii</i>	FACW
<i>Coptis trifolia</i>	Alaska goldthread	<i>Coptis trifolia</i>	FAC
<i>Corallorrhiza trifida</i>	Yellow coralroot	<i>Corallorrhiza trifida</i>	FACW
<i>Cornus canadensis</i>	Canada bunchberry	<i>Cornus canadensis</i>	FACU
<i>Cornus</i> sp.	Unkeyed dogwood		-
<i>Cornus suecica</i>	Swedish dwarf dogwood	<i>Cornus suecica</i>	FAC
<i>Danthonia intermedia</i>	Timber oatgrass	<i>Danthonia intermedia</i>	FAC
<i>Dasiphora fruticosa</i> ssp. <i>floribunda</i>	Shrubby cinquefoil	<i>Potentilla fruticosa</i>	FAC
<i>Deschampsia cespitosa</i>	Tufted hairgrass	<i>Deschampsia cespitosa</i>	FAC
<i>Diphasiastrum complanatum</i> ⁴	Groundcedar	<i>Lycopodium complanatum</i>	UPL
<i>Drosera anglica</i>	English sundew	<i>Drosera anglica</i>	OBL
<i>Drosera rotundifolia</i>	Round-leaf sundew	<i>Drosera rotundifolia</i>	OBL
<i>Dryopteris expansa</i>	Mountain woodfern	<i>Dryopteris dilatata</i>	FACU
<i>Eleocharis mamillata</i> (<i>Eleocharis palustris</i> s.l.)	Soft-stem spikerush	<i>Eleocharis mamillata</i>	OBL
<i>Eleocharis</i> sp.	Unkeyed spikerush		-
<i>Elymus trachycaulus</i>	Slender wheatgrass	<i>Agropyron trachycaulum</i>	FACU
<i>Empetrum nigrum</i>	Black crowberry	<i>Empetrum nigrum</i>	FAC
<i>Epilobium ciliatum</i>	Hairy willow-herb	<i>Epilobium ciliatum</i>	FACU
<i>Epilobium lactiflorum</i>	White-flower willow-herb	<i>Epilobium lactiflorum</i>	NI
<i>Epilobium palustre</i>	Marsh willow-herb	<i>Epilobium palustre</i>	OBL
<i>Epilobium</i> sp., s.l.	Unkeyed epilobium		-
<i>Equisetum arvense</i>	Field horsetail	<i>Equisetum arvense</i>	FACU
<i>Equisetum fluviatile</i>	Water horsetail	<i>Equisetum fluviatile</i>	OBL
<i>Equisetum palustre</i>	Marsh horsetail	<i>Equisetum palustre</i>	FACW
<i>Equisetum pratense</i>	Meadow horsetail	<i>Equisetum pratense</i>	FACW

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<i>Equisetum sylvaticum</i>	Woodland horsetail	<i>Equisetum sylvaticum</i>	FACU
<i>Equisetum variegatum</i>	Variiegated horsetail	<i>Equisetum variegatum</i>	FACW
<i>Erigeron peregrinus</i>	Wandering fleabane	<i>Erigeron peregrinus</i>	FACW
<i>Eriophorum angustifolium</i>	Narrow-leaf cotton-grass	<i>Eriophorum angustifolium</i>	OBL
<i>Eriophorum angustifolium</i> ssp. <i>scabriusculum</i> ⁴	Tall cottongrass	<i>Eriophorum angustifolium</i> ssp. <i>scabriusculum</i>	OBL
<i>Eriophorum chamissonis</i>	Russet cotton-grass	<i>Eriophorum chamissonis</i>	OBL
<i>Eriophorum gracile</i>	Slender cottongrass	<i>Eriophorum gracile</i>	OBL
<i>Eriophorum scheuchzeri</i>	Scheuchzer's cotton-grass	<i>Eriophorum scheuchzeri</i>	OBL
<i>Eriophorum</i> sp.	Unkeyed cotton-grass		-
<i>Eriophorum viridicarinum</i>	Green-keel cotton-grass	<i>Eriophorum viridicarinum</i>	OBL
<i>Festuca altaica</i>	Rough fescue	<i>Festuca altaica</i>	FAC
<i>Fritillaria camschatcensis</i>	Kamchatka mission-bells/chocolate lily	<i>Fritillaria camschatcensis</i>	FAC
<i>Galeopsis bifida</i> ⁴	Spilltip hempnettle		NL
<i>Galium boreale</i>	Northern bedstraw	<i>Galium boreale</i>	FACU
<i>Galium kamtschaticum</i>	Boreal bedstraw		NL
<i>Galium trifidum</i>	Small bedstraw	<i>Galium trifidum</i>	FACW
<i>Galium triflorum</i>	Sweet-scent bedstraw	<i>Galium triflorum</i>	FACU
<i>Gentiana douglasiana</i>	Swamp gentian	<i>Gentiana douglasiana</i>	FACW
<i>Gentianella amarella</i>	Autumn dwarf gentian	<i>Gentianella amarella</i>	FACW
<i>Geocaulon lividum</i>	False toadflax	<i>Geocaulon lividum</i>	FACU
<i>Geranium erianthum</i>	Woolly geranium	<i>Geranium pratense</i>	FAC
<i>Geum macrophyllum</i>	Large-leaf avens	<i>Geum macrophyllum</i>	FACW
<i>Glyceria borealis</i> ⁴	Small floating mannagrass	<i>Glyceria borealis</i>	OBL
<i>Goodyera repens</i>	Dwarf rattlesnake-plantain	<i>Goodyera repens</i>	FAC*
<i>Gymnocarpium dryopteris</i>	Oak fern	<i>Gymnocarpium dryopteris</i>	FACU
<i>Heracleum maximum</i>	Cow-parsnip	<i>Heracleum lanatum</i>	FACU
<i>Hierochloe odorata</i>	Holy grass	<i>Hierochloe odorata</i>	FACU
<i>Hippuris vulgaris</i> ⁴	Common mare's-tail	<i>Hippuris vulgaris</i>	OBL
<i>Honckenya peploides</i> ⁴	Seaside sandplant	<i>Honckenya peploides</i>	OBL
<i>Impatiens noli-tangere</i>	Western touch-me-not	<i>Impatiens noli-tangere</i>	FACW
<i>Iris setosa</i>	Beach-head iris	<i>Iris setosa</i>	FAC
<i>Isoetes echinospora</i> ⁴	Spiny-spore quillwort	<i>Isoetes echinospora</i>	OBL
<i>Juncus bufonius</i>	Toad rush	<i>Juncus bufonius</i>	OBL
<i>Juncus ensifolius</i>	Swordleaf rush	<i>Juncus ensifolius</i>	FACW
<i>Juncus filiformis</i>	Thread rush	<i>Juncus filiformis</i>	FACW
<i>Juncus mertensianus</i>	Merten's rush	<i>Juncus mertensianus</i>	OBL
<i>Juncus stygius</i>	Moor rush	<i>Juncus stygius</i>	OBL
<i>Juncus supiniformis</i> ⁴	Hairyleaf rush	<i>Juncus supiniformis</i>	OBL
<i>Lathyrus palustris</i>	Vetchling peavine	<i>Lathyrus palustris</i>	OBL
<i>Ledum palustre</i> ssp. <i>decumbens</i>	Narrow-leaf Labrador-tea	<i>Ledum decumbens</i>	FACW
<i>Linnaea borealis</i>	Twinflower	<i>Linnaea borealis</i>	UPL
<i>Listera cordata</i>	Heart-leaf twayblade	<i>Listera cordata</i>	FACU
<i>Lupinus nootkatensis</i>	Nootka lupine	<i>Lupinus nootkatensis</i>	FAC
<i>Lupinus polyphyllus</i>	Bigleaf lupine	<i>Lupinus polyphyllus</i>	FAC
<i>Luzula multiflora</i>	Common woodrush	<i>Luzula multiflora</i>	FACU
<i>Luzula parviflora</i>	Small-flower woodrush	<i>Luzula parviflora</i>	FAC
<i>Lycopodium annotinum</i>	Stiff clubmoss	<i>Lycopodium annotinum</i>	FAC
<i>Malaxis paludosa</i>	Bog adder's-mouth	<i>Malaxis paludosa</i>	OBL
<i>Matteuccia struthiopteris</i>	Ostrich fern	<i>Matteuccia struthiopteris</i>	FACW
<i>Menyanthes trifoliata</i>	Buckbean	<i>Menyanthes trifoliata</i>	OBL

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<i>Menziesia ferruginea</i>	Mock-azalea	<i>Menziesia ferruginea</i>	UPL
<i>Mertensia paniculata</i>	Tall bluebells	<i>Mertensia paniculata</i>	FACU
<i>Mimulus guttatus</i>	Common large monkey-flower	<i>Mimulus guttatus</i>	OBL
<i>Moehringia lateriflora</i>	Grove sandwort	<i>Moehringia lateriflora</i>	NI
<i>Moneses uniflora</i>	Shy maiden		NL
<i>Myrica gale</i>	Sweetgale	<i>Myrica gale</i>	OBL
<i>Nuphar polysepalum</i>	Yellow cow-lily	<i>Nuphar luteum</i>	OBL
<i>Nymphaea tetragona</i> ⁴	Pygmy waterlily	<i>Nymphaea tetragona</i>	OBL
<i>Oplopanax horridus</i>	Devil's-club	<i>Oplopanax horridus</i>	FACU
<i>Orthilia secunda</i>	One-sided wintergreen	<i>Pyrola secunda</i>	UPL
<i>Parnassia kotzebuei</i>	Kotzebue's grass-of-parnassus	<i>Parnassia kotzebuei</i>	FACW
<i>Parnassia palustris</i>	Northern grass-of-parnassus	<i>Parnassia palustris</i>	FACW
<i>Pedicularis groenlandica</i>	Elephanthead lousewort	<i>Pedicularis groenlandica</i> (National indicator)	OBL
<i>Pedicularis labradorica</i>	Labrador lousewort	<i>Pedicularis labradorica</i>	FACW
<i>Pedicularis parviflora</i>	Small-flower lousewort	<i>Pedicularis parviflora</i>	FACW
<i>Pedicularis</i> sp.	Unkeyed lousewort		-
<i>Phegopteris connectilis</i>	Narrow beech fern		NL
<i>Phleum alpinum</i>	Alpine timothy	<i>Phleum alpinum</i>	FACU
<i>Picea glauca</i>	White spruce	<i>Picea glauca</i>	FACU
<i>Picea mariana</i>	Black spruce	<i>Picea mariana</i>	FACW
<i>Pinguicula villosa</i>	Hairy butterwort	<i>Pinguicula villosa</i>	OBL
<i>Platanthera aquilonis</i>	Northern green orchid	<i>Platanthera hyperborea</i>	FACW
<i>Platanthera dilatata</i>	Leafy white orchid	<i>Platanthera dilatata</i>	FACW
<i>Platanthera obtusata</i>	Small northern bog orchid	<i>Platanthera obtusata</i>	FACW
<i>Platanthera stricta</i> ⁴	Slender bog orchid	<i>Platanthera stricta</i>	FACW
<i>Poa alpina</i> ⁴	Alpine bluegrass	<i>Poa alpina</i>	FACU
<i>Poa palustris</i>	Fowl bluegrass	<i>Poa palustris</i>	FAC
<i>Poa pratensis</i>	Kentucky bluegrass	<i>Poa pratensis</i>	FACU
<i>Polemonium acutiflorum</i>	Sticky tall Jacob's-ladder	<i>Polemonium acutiflorum</i>	FAC
<i>Populus balsamifera</i>	Cottonwood	<i>Populus balsamifera</i>	FACU
<i>Potamogeton alpinus</i>	Alpine pondweed	<i>Potamogeton alpinus</i>	OBL
<i>Potamogeton epihydrus</i> ⁴	Ribbonleaf pondweed	<i>Potamogeton epihydrus</i>	OBL
<i>Potamogeton gramineus</i> ⁴	Variableleaf pondweed	<i>Potamogeton gramineus</i>	OBL
<i>Potamogeton natans</i>	Floating-leaf pondweed	<i>Potamogeton natans</i>	OBL
<i>Potamogeton pusillus</i> ssp. tenuissimus	Small pondweed	<i>Potamogeton pusillus</i>	OBL
<i>Potamogeton</i> sp., s.l.	Unkeyed pondweed		-
<i>Potentilla norvegica</i>	Norwegian cinquefoil	<i>Potentilla norvegica</i>	FAC
<i>Pyrola asarifolia</i>	Pink wintergreen	<i>Pyrola asarifolia</i>	FAC
<i>Pyrola minor</i>	Lesser wintergreen	<i>Pyrola minor</i>	FAC
<i>Pyrola</i> sp., s.l.	Unkeyed wintergreen		-
<i>Ranunculus abortivus</i>	Little-leaf buttercup	<i>Ranunculus abortivus</i>	FAC
<i>Ranunculus flammula</i> ⁴	Greater creeping spearwort	<i>Ranunculus flammula</i>	FACW
<i>Ranunculus gmelinii</i>	Gmelin's buttercup	<i>Ranunculus gmelinii</i>	FACW
<i>Ranunculus hyperboreus</i>	Arctic buttercup	<i>Ranunculus hyperboreus</i>	OBL
<i>Ranunculus macounii</i>	Macoun's buttercup	<i>Ranunculus macounii</i>	FACW
<i>Ranunculus</i> sp.	Unkeyed buttercup		-
<i>Rhinanthus minor</i> ssp. groenlandicus	Little yellow rattle	<i>Rhinanthus arcticus</i>	FAC
<i>Rhynchospora alba</i>	White beaksedge	<i>Rhynchospora alba</i>	OBL

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<i>Ribes hudsonianum</i>	Hudson bay currant	<i>Ribes hudsonianum</i>	FAC
<i>Ribes laxiflorum</i>	Trailing black currant		NL
<i>Ribes triste</i>	Swamp red currant	<i>Ribes triste</i>	FAC
<i>Ribes</i> sp. (undetermined)	Trailing black currant or skunk currant	-	
<i>Rorippa palustris</i>	Bog yellow-cress	<i>Rorippa palustris</i>	FAC
<i>Rosa acicularis</i>	Prickly rose	<i>Rosa acicularis</i>	FACU
<i>Rubus arcticus</i>	Arctic raspberry	<i>Rubus arcticus</i>	FAC
<i>Rubus arcticus</i> ssp. <i>stellatus</i>	Nagoonberry	<i>Rubus stellatus</i>	FAC
<i>Rubus chamaemorus</i>	Cloudberry	<i>Rubus chamaemorus</i>	FACW
<i>Rubus idaeus</i>	Common red raspberry	<i>Rubus idaeus</i>	FAC
<i>Rubus pedatus</i>	Strawberry-leaf raspberry	<i>Rubus pedatus</i>	FAC*
<i>Rubus spectabilis</i>	Salmonberry	<i>Rubus spectabilis</i>	FACU
<i>Rumex arcticus</i>	Arctic dock	<i>Rumex arcticus</i>	FACW
<i>Rumex occidentalis</i>	Western dock	<i>Rumex occidentalis</i>	OBL
<i>Salix alaxensis</i>	Felt-leaf willow	<i>Salix alaxensis</i>	FAC
<i>Salix arbusculoides</i>	Little-tree willow	<i>Salix arbusculoides</i>	FACW
<i>Salix barclayi</i>	Barclay willow	<i>Salix barclayi</i>	FAC
<i>Salix bebbiana</i>	Bebb willow	<i>Salix bebbiana</i>	FAC
<i>Salix fuscescens</i>	Alaska bog willow	<i>Salix fuscescens</i>	FACW
<i>Salix lucida</i> ssp. <i>lasianдра</i>	Pacific willow	<i>Salix lasianдра</i>	FACW
<i>Salix pulchra</i>	Diamond-leaf willow	<i>Salix planifolia</i>	FACW
<i>Salix scouleriana</i>	Scouler willow	<i>Salix scoulerana</i>	FAC
<i>Salix sitchensis</i>	Sitka willow	<i>Salix sitchensis</i>	FAC
<i>Salix</i> sp.	Unkeyed willow		-
<i>Sambucus racemosa</i>	European red elder	<i>Sambucus racemosa</i>	FACU
<i>Sanguisorba canadensis</i>	Canada burnet	<i>Sanguisorba canadensis</i>	FACW
<i>Scheuchzeria palustris</i> ⁴	Rannoch-rush	<i>Scheuchzeria palustris</i>	OBL
<i>Schizachne purpurascens</i>	False melic	<i>Schizachne purpurascens</i>	FAC
<i>Selaginella selaginoides</i>	Club spike-moss	<i>Selaginella selaginoides</i>	FACU
<i>Senecio triangularis</i>	Arrow-leaf groundsel	<i>Senecio triangularis</i>	FACW
<i>Senecio</i> sp.	Unkeyed ragwort		-
<i>Solidago lepida</i>	Canada goldenrod	<i>Solidago canadensis</i>	FACU
<i>Solidago multiradiata</i>	Mountain goldenrod	<i>Solidago multiradiata</i>	FACU
<i>Solidago</i> sp.	Unkeyed goldenrod		-
<i>Sorbus scopulina</i>	Greene's mountain-ash	<i>Sorbus scopulina</i>	NI
<i>Sparganium angustifolium</i>	Narrow-leaf burreed	<i>Sparganium emersum</i>	OBL
<i>Sparganium hyperboreum</i>	Northern burreed	<i>Sparganium hyperboreum</i>	OBL
<i>Spergularia rubra</i> ⁴	Red sandspurry	<i>Spergularia rubra</i>	FAC
<i>Spiraea stevenii</i>	Beauvered spiraea	<i>Spiraea beauverdiana</i>	FAC
<i>Spiranthes romanzoffiana</i>	Hooded ladies'-tresses	<i>Spiranthes romanzoffiana</i>	OBL
<i>Stellaria borealis</i> ssp. <i>sitchana</i>	Sitka starwort	<i>Stellaria sitchana</i>	FAC
<i>Stellaria calycantha</i>	Northern starwort	<i>Stellaria calycantha</i>	FACW
<i>Stellaria crispa</i>	Crisp starwort	<i>Stellaria crispa</i>	FAC
<i>Streptopus amplexifolius</i>	Clasp-leaf twisted-stalk	<i>Streptopus amplexifolius</i>	FAC
<i>Swertia perennis</i>	Felwort	<i>Swertia perennis</i>	FAC
<i>Symphotrichum subspicatum</i>	Douglas aster	<i>Aster subspicatus</i>	FAC
<i>Taraxacum officinale</i>	Common dandelion	<i>Taraxacum officinale</i>	FACU
<i>Thalictrum alpinum</i>	Alpine meadow-rue	<i>Thalictrum alpinum</i>	FAC
<i>Thalictrum sparsiflorum</i>	Few-flower meadow-rue	<i>Thalictrum sparsiflorum</i>	FACU
<i>Triantha occidentalis</i> ssp. <i>brevistyla</i>	Priest Lake tofieldia	<i>Tofieldia glutinosa</i>	FACW*
<i>Trichophorum alpinum</i>	Alpine cotton-grass	<i>Eriophorum alpinum</i>	OBL

Chuitna Coal Project Plan Species List with Wetlands Indicator Status			
Scientific Name ¹	Common Name	Synonymous Name in the 1988 National Wetlands Indicator List ²	Alaska Region Wetlands Indicator ³
<i>Trichophorum cespitosum</i>	Tufted bulrush	<i>Scirpus cespitosus</i>	OBL
<i>Trientalis europaea</i>	European starflower	<i>Trientalis europaea</i>	FAC
<i>Trifolium hybridum</i> ⁴	Alsike clover	<i>Trifolium hybridum</i>	FAC
<i>Triglochin maritimum</i>	Seaside arrow-grass	<i>Triglochin maritimum</i>	OBL
<i>Triglochin palustre</i>	Marsh arrow-grass	<i>Triglochin palustre</i>	OBL
<i>Urtica dioica</i> ssp. <i>gracilis</i>	California nettle	<i>Urtica dioica</i>	FACU
<i>Utricularia intermedia</i> ⁴	Flatleaf bladderwort	<i>Utricularia intermedia</i>	OBL
<i>Utricularia macrorhiza</i>	Common bladderwort	<i>Utricularia macrorhiza</i>	OBL
<i>Utricularia minor</i>	Lesser bladderwort	<i>Utricularia minor</i>	OBL
<i>Vaccinium caespitosum</i>	Dwarf bilberry	<i>Vaccinium caespitosum</i>	FACW
<i>Vaccinium ovalifolium</i>	Early blueberry	<i>Vaccinium ovalifolium</i>	FAC
<i>Vaccinium oxycoccos</i>	Small cranberry	<i>Vaccinium oxycoccos</i>	OBL
<i>Vaccinium uliginosum</i>	Bog blueberry	<i>Vaccinium uliginosum</i>	FAC
<i>Vaccinium vitis-idaea</i>	Mountain cranberry	<i>Vaccinium vitis-idaea</i>	FAC
<i>Vahlodea atropurpurea</i>	Mountain hairgrass		NL
<i>Valeriana capitata</i>	Clustered valerian	<i>Valeriana capitata</i>	FAC
<i>Veratrum viride</i>	American false-hellebore	<i>Veratrum viride</i>	FACU
<i>Veronica americana</i>	American speedwell	<i>Veronica americana</i>	OBL
<i>Veronica serpyllifolia</i>	Bright-blue speedwell	<i>Veronica serpyllifolia</i>	OBL
<i>Veronica wormskjoldii</i>	American alpine speedwell	<i>Veronica wormskjoldii</i>	FAC
<i>Viburnum edule</i>	Squashberry	<i>Viburnum edule</i>	FACU
<i>Viola adunca</i>	Hooked-spur violet	<i>Viola adunca</i>	FAC
<i>Viola epipsila</i>	Dwarf marsh violet	<i>Viola pallens</i>	NI
<i>Viola glabella</i> ⁴	pioneer violet	<i>Viola glabella</i>	FACW
<i>Viola langsdorfii</i>	Alaska violet	<i>Viola langsdorfii</i>	FACW
<i>Viola renifolia</i>	White violet	<i>Viola renifolia</i>	FAC
<i>Viola selkirkii</i>	Selkirk's violet	NL	
<i>Viola</i> sp.	Unkeyed violet -		
Additional species identified in the Project area in 1981 but not in Chuitna Coal Project vegetation studies in 2006 and 2007:			
<i>Amelanchier alnifolia</i>	Saskatoon serviceberry		
<i>Amelanchier florida</i>	Pacific serviceberry		
<i>Artemisia tilesii</i>	Sagebrush		
<i>Echinopanax horridum</i>	Devil's club		
<i>Ledum groenlandicum</i>	Labrador tea		
<i>Populus tremuloides</i>	Quaking aspen		
<i>Potentilla fruticosa</i>	Shrubby cinquefoil		
<i>Salix barrattiana</i>	Barratt willow		
<i>Salix brachycarpa</i>	Barren-ground willow		
<i>Salix commutata</i>	Undergreen willow		
<i>Salix glauca</i>	Grayleaf willow		
<i>Salix lanata</i>	Richardson willow		
<i>Viburnum edule</i>	Highbush cranberry		

- 1 - Primary reference: Flora of North America (Flora of North America Editorial Committee 1993+).
 Secondary reference: USDA PLANTS database (NRCS 2007). Tertiary reference: Hultén (1968).
 2 - Reed (1988)
 3 - Obligate Wetland (OBL). Occur almost always (estimated probability >99%) under natural conditions in wetlands.

Facultative Wetland (FACW). Usually occur in wetlands (estimated probability 67%-99%), but occasionally found in non-wetlands.

Facultative (FAC). Equally likely to occur in wetlands or non-wetlands (estimated probability 34%-66%).

Facultative Upland (FACU). Usually occur in non-wetlands (estimated probability 67%-99%), but occasionally found in wetlands (estimated probability 1%-33%).

Obligate Upland (UPL). Occur almost always (estimated probability >99%) under natural conditions in nonwetlands. No Indicator (NI). Insufficient information was available to determine an indicator status.

An asterisk following an indicator (e.g. FAC*) identifies a tentative assignment based on limited information from which to determine the indicator status.

Not listed (NL). Plant species not on the list which also do not have a synonymous listing. These species are treated as upland species.

4 - Incidental observations made during wetland determination field work or during aquatic sampling. All referenced entries were observed within the project area.

5 - (s.l.) sensu lato, in the broad sense.

