



CANADIAN WILDLIFE SERVICE
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A CHECKLIST OF PLANTS COLLECTED
ON THE
PEACE-ATHABASCA DELTA

by

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From mid-summer 1968 to fall 1971, the Canadian Wildlife Service carried out landform/vegetation classification and plant successional trend studies in the Peace-Athabasca Delta. In the course of the field research carried out, vascular plants and Bryophytes were collected throughout the 1,700 square mile (4403 Km.²) Delta complex.

The following list is derived from 543 collections which include 56 families, 143 genera and 252 species of vascular plants. Bryophyte collections have not been listed pending identification verification.

Identification of the vascular plants have been verified by Dr. V. L. Harms of the Fraser Herbarium, University of Saskatchewan, Saskatoon. Dr. G. Argus, Department of Environment, Forestry Branch, verified identification of the numerous Salix species collected. Voucher specimens are deposited in the Prairie Migratory Bird Research Centre, University of Saskatchewan, Saskatoon.

Scientific and common nomenclature are according to Moss (1959) and Cormack (1967).

ALISMACEAE

Broad-leaved water plantain	<u>Alisma plantago</u> - <u>aquatica</u> L.
Arrowhead	<u>Sagittaria cuneata</u> Sheld.

ARACEAE

Water arum	<u>Calla palustris</u> L.
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ARALIACEAE

Wild sarsaparilla	<u>Aralia nudicaulis</u> L.
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BETULACEAE

Alder	<u>Alnus incana</u> (L.) Moench.
River alder	<u>A. tenuifolia</u> Nutt.
Alder	<u>A. viridis</u> (Chaix.) D.C.
Dwarf birch	<u>Betula glandulosa</u> Michx.
Canoe birch	<u>B. papyrifera</u> Marsh. Var. <u>neolaskana</u> (Sarg.) Raup

BORAGINACEAE

Beggar-ticks	<u>Lappula redowskii</u> (Hornem.) Greene Var. <u>occidentalis</u> (Wats.) Rydb.
Bluebells	<u>Mertensia paniculata</u> (Ait.) G. Don

CALLITRICHACEAE

Water starwort	<u>Callitriche palustris</u> L.
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CAMPANULACEAE

Common bluebell	<u>Campanula rotundifolia</u> L.
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CAPRIFOLIACEAE

Twin-flower	<u>Linnaea borealis</u> L. Var. <u>americana</u> (Forbes) Rehd.
Twining honeysuckle	<u>Lonicera dioica</u> L. Var. <u>glaucescens</u> (Rydb.)
Butters	<u>Symphoricarpos occidentalis</u> Hook.
Wolfberry	<u>Viburnum edule</u> (Michx.) Raf.
Low bush cranberry	

CARYOPHYLLACEAE

Sandwort	<u>Arenaria lateriflora</u> L.
Sandwort	<u>A. stricta</u> (Michx.) ssp. <u>dawsonensis</u> (Britt.)
Maguire	<u>Cerastium arvense</u> L.
Mouse-ear chickweed	<u>Spergularia marina</u> L.
Sand spurry	<u>Stellaria crassifolia</u> Ehrh.
Chickweed	<u>S. longipes</u> Goldie
Long-stalked chickweed	

CERATOPHYLLACEAE

Hornwort	<u>Ceratophyllum demersum</u> L.
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CHENOPODIACEAE

Lamb's quarters	<u>Chenopodium album</u> L.
Oak-leaved goosefoot	<u>C. glaucum</u> L. ssp. <u>salinum</u> (Standl.) Aellen
Maple-leaved goosefoot	<u>C. hybridum</u> L. Var. <u>gigantospermum</u> (Aellen) Rouleau
Red goosefoot	<u>C. rubrum</u> L.

CISTACEAE

Sand heather	<u>Hudsonia tomentosa</u> Nutt. Var. <u>intermedia</u> Peck
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COMPOSITAE

Common yarrow	<u>Achillea millefolium</u> L. Var. <u>nigrescens</u> E. Meyer
Common yarrow	<u>A. millefolium</u> L. ssp. <u>lanulosa</u> (Nutt.) Piper
Pussy-toes	<u>A. sibirica</u> Ledeb.
Everlasting	<u>Antennaria microphylla</u> Rydb.
Small-flowered everlasting	<u>A. neglecta</u> Greene
Rosy everlasting	<u>A. nitida</u> Greene
Arnica	<u>A. rosea</u> Greene
Biennial sagewort	<u>Arnica lonchophylla</u> Greene
Pasture sagewort	<u>Artemisia biennis</u> Willd.
Rayless aster	<u>A. frigida</u> Willd.
Western willow aster	<u>Aster brachyactis</u> Blake
Purple stemmed aster	<u>A. hesperius</u> A. Gray
Nodding beggar-ticks	<u>A. puniceus</u> L.
Fleabane	<u>Bidens cernua</u> L.
Arrow-leaved coltsfoot	<u>Erigeron philadelphicus</u> L. <u>Petasites sagittatus</u> (Pursh) A. Gray
Marsh ragwort	<u>Senecio congestus</u> (R.Br.) DC. <u>S. eremophilus</u> Richards. <u>S. cymbalarioides</u> Nutt.
Goldenrod	<u>Solidago canadensis</u> L. <u>S. graminifolia</u> (L.) Salisb.
Perennial sowthistle	<u>Sonchus arvensis</u> L.
Common dandelion	<u>Taraxacum officinale</u> Weber

CORNACEAE

Bunchberry	<u>Cornus canadensis</u> L.
Red osier dogwood	<u>C. stolonifera</u> Michx.

CRUCIFERAE

Rock cress	<u>Arabis hirsuta</u> (L.) Scop.
Rock cress	<u>A. lyrata</u> L.
Winter cress	<u>Barbarea orthoceras</u> Ledeb.
Bitter cress	<u>Cardamine pensylvanica</u> Muhl.

Green tansy mustard	<u>Descurainia pinnata</u> (Walter) Britton
Tansy mustard	<u>D. pinnata</u> (Walt.) Britt. Var. <u>brachycarda</u> (Rich.) Fern.
Draba	<u>D. sophia</u> (L.) Webb
Yellow cress	<u>Draba nemorosa</u> L. Var. <u>leiocarpa</u> Lindbl.
	<u>Rorippa islandica</u> (Oeder) Borbas

CYPERACEAE

Sedge	<u>Carex aenea</u> Fern.
Sedge	<u>C. aquatilis</u> Wahl.
Sedge	<u>C. atherodes</u> Spreng.
Sedge	<u>C. concinna</u> R.Br.
Sedge	<u>C. crawfordii</u> Fern.
Sedge	<u>C. diandra</u> Schrank
Sedge	<u>C. foenea</u> Willd.
Sedge	<u>C. obtusata</u> Lilj.
Sedge	<u>C. richardsonii</u> R.Br.
Sedge	<u>C. rostrata</u> Stokes
Sedge	<u>C. stipata</u> Muhl.
Sedge	<u>C. synchnocephala</u> Carey
Spike rush	<u>Eleocharis acicularis</u> (L.) R. & S.
Spike rush	<u>E. palustris</u> (L.) R. & S.
Cotton grass	<u>Eriophorum chamissonis</u> C.A. Mey
	<u>E. vaginatum</u> L. ssp. <u>spissum</u> (Fern.) Hulten
Hardstem bulrush	<u>Scirpus acutus</u> Muhl.
Softstem bulrush	<u>S. validus</u> Vahl.

ELAEGNACEAE

Canadian buffalo-berry	<u>Shepherdia canadensis</u> (L.) Nutt.
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EMPETRACEAE

Crowberry	<u>Empetrum nigrum</u> L.
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EQUISETACEAE

Common horsetail	<u>Equisetum arvense</u> L.
	<u>E. fluviatile</u> L.
	<u>E. palustre</u> L.
	<u>E. pratense</u> Ehrh.

ERICACEAE

Common bearberry	<u>Arctostaphylos uva-ursi</u> (L.) Spreng.
Leather-leaf	<u>Chamaedaphne calyculata</u> (L.) Moench
Mountain laurel	<u>Kalmia polifolia</u> Wang
Common labrador tea	<u>Ledum groenlandicum</u> Oeder
Blueberry	<u>Vaccinium myrtilloides</u> Michx.
Bog cranberry	<u>V. vitis-idaea</u> L. Var. <u>minus</u> Lodd.

FUMARIACEAE

Pink corydalis	<u>Corydalis sempervirens</u> (L.) Pers.
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GENTIANACEAE

Northern gentian	<u>Gentianella amarella</u> (L.) Borner
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GRAMINEAE

Crested wheat grass	<u>Agropyron cristatum</u> (L.) Gaertn.
Slender wheat grass	<u>A. trachycaulum</u> (Link) Malte
Hairgrass	<u>Agrostis scabra</u> Willd.
Water foxtail	<u>Alopecurus aequalis</u> Sobol.
Northern awnless brome	<u>Bromus pumpeilianus</u> Scribn.
Marsh reed grass, bluejoint	<u>Calamagrostis canadensis</u> (Michx.) Beauv.
Northern reed grass	<u>C. inexpansa</u> A. Gray
Purple reed grass	<u>C. purpurascens</u> R.Br.
Drooping wood reed	<u>Cinna latifolia</u> (Trev.) Griseb.
Tufted hair grass	<u>Deschampsia caespitosa</u> (L.) Beauv.
Hairy wild rye	<u>Elymus innovatus</u> Beal
Fescue	<u>Festuca saximontana</u> Rydb.
Manna grass	<u>Glyceria borealis</u> (Nash.) Batchelder
Sweetgrass	<u>G. grandis</u> S. Wats.
Rice grass	<u>Hierochloe odorata</u> (L.) Beauv.
	<u>Oryzopsis pungens</u> (Torr.) Hitchc.
Reed canary grass	<u>Phalaris arundinacea</u> L.
Common reed	<u>Phragmites communis</u> Trin.
Alpine bluegrass	<u>Poa alpina</u> L.
Bluegrass	<u>P. arctica</u> R.Br.
Bluegrass	<u>P. canbyi</u> (Schribn.) Piper
Bluegrass	<u>P. glauca</u> Vahl.
Bluegrass	<u>P. interior</u> Rydb.
Fowl bluegrass	<u>P. palustris</u> L.
Kentucky bluegrass	<u>P. pratensis</u> L.

Alkali grass	<u>Puccinellia nuttalliana</u> (Schult.) Hitchc.
False melic	<u>Schizachne purpurascens</u> (Torr.) Swallen
Whitetop	<u>Scolochloa festucacea</u> (Willd.) Link
Porcupine grass	<u>Stipa spartea</u> Trin.
Spike trisetum	<u>Trisetum spicatum</u> (L.) Richt.
HALORAGIDACEAE	
Water milfoil	<u>Myriophyllum</u> sp.
HIPURIDACEAE	
Mare's tail	<u>Hippuris vulgaris</u> L.
HYDROPHYLLACEAE	
Scorpion weed	<u>Phacelia franlinii</u> (R.Br.) A. Gray
IRIDACEAE	
Blue-eyed grass	<u>Sisyrinchium montanum</u> Greene
JUNCACEAE	
Rush	<u>Juncus alpinus</u> Vill.
Wire rush	<u>J. balticus</u> Willd.
	<u>J. brevicaudatus</u> (Engelm.) Fern.
Toad rush	<u>J. bufonius</u> L.
LABIATAE	
Hedge nettle	<u>Stachys palustris</u> L. Var. <u>pilosa</u> (Nutt.) Fern.
LEGUMINOSAE	
Milk vetch	<u>Astragalus alpinus</u> L.
Wild sweet pea	<u>Lathyrus ochroleucus</u> Hook.
White clover	<u>Trifolium repens</u> L.
Wild vetch	<u>Vicia americana</u> Muhl.
LEMNACFAE	
Common duckweed	<u>Lemna minor</u> L. <u>L. trisulca</u> L.

POLYGONACEAE

Water smartweed	<u>Polygonum amphibium</u> L.
Common knotweed	<u>P. aviculare</u> L.
Smartweed	<u>P. lapathifolium</u> L.
	<u>P. prolificum</u> (Small) B.C. Robins
Golden dock	<u>Rumex maritimus</u> L. Var. <u>fueginus</u> (Phil.) Dusen
Narrow-leaved dock	<u>R. mexicanus</u> Meisn.
Western dock	<u>R. occidentalis</u> S. Wats.
Narrow-leaved dock	<u>R. salicifolius</u> Weinm. (<u>mexicanus</u> Meisn.)

POLYPODIACEAE

Bladder fern	<u>Cystopteris fragilis</u> (L.) Bernh.
Fragrant shield fern	<u>Dryopteris fragrans</u> (L.) Schott
Oak fern	<u>Gymnocarpium dryopteris</u> (L.) Newm.
Common polypody	<u>Polypodium vulgare</u> L.
Rusty woodsia	<u>Woodsia ilvensis</u> (L.) R.Br.

PRIMULACEAE

Fairy candelabra	<u>Androsace septentrionalis</u> L.
Tufted loosestrife	<u>Lysimachia thyrsiflora</u> L.
Star-flower	<u>Trientalis borealis</u> Raf.

PYROLACEAE

Prince's pine	<u>Chimaphila umbellata</u> (L.) Bart. Var. <u>occidentalis</u> (Rydb.) Blake
One-flowered wintergreen	<u>Moneses uniflora</u> (L.) A. Gray
Common pink wintergreen	<u>Pyrola asarifolia</u> Michx.
Arctic wintergreen	<u>P. grandiflora</u> Radius
One-sided wintergreen	<u>P. secunda</u> L.

PINACEAE

Balsam fir	<u>Abies balsamea</u> (L.) Mill.
Ground juniper	<u>Juniperus communis</u> L. Var. <u>depressa</u> Pursh
Creeping juniper	<u>J. horizontalis</u> Moench
Tamarack	<u>Larix laricina</u> (DuRoi) K. Koch
White spruce	<u>Picea glauca</u> (Moench) Voss
Black spruce	<u>P. mariana</u> (Mill.) B.S.P.
Jack pine	<u>Pinus banksiana</u> Lamb.

RANUNCULACEAE

Red and white baneberry	<u>Actaea rubra</u> (Ait.) Willd.
Canada anemone	<u>Anemone canadensis</u> L.
Prairie anemone	<u>A. patens</u> L. Var. <u>wolfgangiana</u> (Bess.) Koch
Tall blue columbine	<u>Aquilegia brevistyla</u> Hook.
White water crowfoot	<u>Ranunculus aquatilis</u> L. Var. <u>capillaceus</u> (Thuill.) D.C.
Seaside crowfoot	<u>R. cymbalaria</u> Pursh
Yellow water crowfoot	<u>R. gemelinii</u> D.C.
Macoun's buttercup	<u>R. macounii</u> Britt.
Northern buttercup	<u>R. pedatifidus</u> Smith Var. <u>affinus</u> (R.Br.) L. Benson
Creeping buttercup	<u>R. repens</u> L.
Cursed crowfoot	<u>R. sceleratus</u> L.

ROSACEAE

Saskatoon berry	<u>Amelanchier alnifolia</u> Nutt.
Woodland strawberry	<u>Fragaria vesca</u> L. Var. <u>americana</u> Porter
Wild strawberry	<u>F. virginiana</u> Duchesne (<u>F. glauca</u> Rydb.)
Yellow avens	<u>Geum allepicum</u> Jacq.
Yellow avens	<u>G. perincisum</u> Rydb.
Silverweed	<u>Potentilla anserina</u> L.
White cinquefoil	<u>P. arguta</u> Pursh
Alpine cinquefoil	<u>P. multifida</u> L.
Rough cinquefoil	<u>P. nivea</u> L.
Marsh cinquefoil	<u>P. norvegica</u> L.
Pennsylvanian cinquefoil	<u>P. palustris</u> (L.) Scop.
Prickly rose	<u>P. pensylvanica</u> L.
Common wild rose	<u>Rosa acicularis</u> Lindl.
Cloudberry	<u>R. woodsii</u> Lindl.
Wild red raspberry	<u>Rubus chamaemorus</u> L. <u>R. idaeus</u> L. Var. <u>aculeatissimus</u> Regel & Tiling
Trailing raspberry	<u>R. pubescens</u> Paf.
Wild red raspberry	<u>R. strigosus</u> Michx.

SALICACEAE

Balsam poplar	<u>Populus balsamifera</u> L.
Aspen poplar	<u>P. tremuloides</u> Michx.
Beaked willow	<u>Salix hebbiana</u> Sarg.
Pussy willow	<u>S. discolor</u> Muhl.
Sandbar willow	<u>S. interior</u> Rowlee
Yellow willow	<u>S. lasiandra</u> Benth.
Glaucous bog willow	<u>S. lutea</u> Nutt. <u>S. pedicellaris</u> Pursh

Balsam willow	<u>S. petiolaris</u> J.E. Sm.
	<u>S. planifolia</u> Pursh
	<u>S. pyrifolia</u> Anderss.
	<u>S. rigida</u> Muhl.
Autumn willow	<u>S. scouleriana</u> Barratt
	<u>S. serissima</u> (Bailey) Fern.
SANTALACEAE	
Comandra	<u>Comandra umbellata</u> (L.) Nutt.
	Var. <u>pallida</u> (A.D.C.)
	M.E. Jones
Bastard toad-flax	<u>Geocaulon lividum</u> (Richards.)
	Fern.
SAXIFRAGACEAE	
Alum root	<u>Heuchera richardsonii</u> R.Br.
Mitrewort	<u>Mitella nuda</u> L.
Wild black currant	<u>Ribes hudsonianum</u> Richards.
Wild gooseberry	<u>R. oxycanthoides</u> L.
Saxifrage	<u>Saxifraga tricuspidata</u> Rottb.
SCROPHULARIACEAE	
Mudwort	<u>Limosella aquatica</u> L.
Speedwell	<u>Veronica peregrina</u> L. Var.
	<u>xalapensis</u> (H.B.K.) St.
	John & Warren
SPARGANIACEAE	
Giant bur-reed	<u>Sparganium eurycarpum</u> Engelm.
Slender bur-reed	<u>S. minimum</u> (Hartm.) Fries
TYPHACEAE	
Common cattail	<u>Typha latifolia</u> L.
UMBELLIFERAE	
Water hemlock	<u>Cicuta maculata</u> L. Var.
	<u>angustifolia</u> Hook.
Cow parsnip	<u>Heraclium lanatum</u> Michx.
Water parsnip	<u>Sium suave</u> Walt.
URTICACEAE	
Common nettle	<u>Urtica gracilis</u> Ait.

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- Cormack, R. G. H. 1967. Wild Flowers of Alberta. Department of Industry and Development, Government of Alberta. The Queen's Printer, Edmonton, 415 p.