

List of Alaskan Seed Plant and Fern names

Compiled from ALA, ACCS, PAF, WCSP, FNA

(Questions to cowebb@alaska.edu)

January 18, 2020

Acoraceae

Acorus americanus (Raf.) Raf. (GUID: trop-2100001). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Acorus calamus var. americanus Raf.** according to WCSP ; Comments: WCSP

Acorus calamus L. (GUID: ipni-84009-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Adoxaceae

Adoxa moschatellina L. (GUID: ipni-5331-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Sambucus pubens Michx. (GUID: ipni-227191-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ALA. A *synonym* of:

- **Sambucus racemosa subsp. pubens (Michx.) Hultén** according to PAF ; Comments: Subspecies [pubens] reaches the Arctic in southwestern Alaska. This hardy race is introduced in northern Norway and Iceland, escaping in Iceland, and may be found in the arctic parts.
- **Sambucus racemosa subsp. pubens (Michx.) House** according to ACCS ; Comments: Panarctic Flora Checklist

Sambucus racemosa L. (GUID: ipni-30056767-2). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Sambucus racemosa subsp. pubens (Michx.) House (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Sambucus racemosa subsp. pubens (Michx.) Hultén (GUID: ipni-227221-2). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Viburnum edule (Michx.) Raf. (GUID: ipni-149665-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Viburnum opulus L. (GUID: ipni-326268-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Alismataceae

Alisma plantago-aquatica L. (GUID: ipni-101472-3). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Alisma triviale Pursh (GUID: ipni-8516-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Sagittaria cuneata E.Sheld. (GUID: ipni-225232-2). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Sagittaria cuneata Sheldon (GUID: ipni-58480-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Amaranthaceae

Amaranthus albus L. (GUID: ipni-108222-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Amaranthus blitoides S.Watson (GUID: ipni-59426-1). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Amaranthus retroflexus L. (GUID: ipni-10698-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Atriplex drymarioides Standl. (GUID: ipni-163772-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Atriplex gmelinii subsp. gmelinii** according to **ALA** ; Comments: FNA 4; Flora of North America volume 4
- **Atriplex gmelinii var. gmelinii C.A. Mey.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Atriplex gmelinii var. gmelinii** according to **FNA** ; Comments: FNA

Atriplex gmelinii C.A.Mey. (GUID: ipni-163828-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Atriplex gmelinii subsp. gmelinii (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Atriplex gmelinii var. alaskensis (S.Watson) S.L.Welsh (GUID: ipni-1078427-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Atriplex gmelinii var. gmelinii (GUID: trop-7200724). In Alaska according to **ALA, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Atriplex gmelinii subsp. gmelinii** according to **ALA** ; Comments:

Atriplex gmelinii var. gmelinii C.A. Mey. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Atriplex hortensis L. (GUID: ipni-158677-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Atriplex patula L. (GUID: ipni-160018-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Axyris amaranthoides L. (GUID: ipni-164269-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Bassia scoparia (L.) A.J.Scott (GUID: ipni-158633-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Kochia scoparia (L.) Schrad.** according to **ACCS** ; Comments: Flora of North America

Chenopodium acerifolium Andrz. (GUID: ipni-164748-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chenopodium berlandieri var. zschackii (Murr) Murr ex Asch.** according to **ACCS** ; Comments: Flora of North America

Chenopodium albescens Small (GUID: ipni-55992-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chenopodium pratericola Rydb.** according to **ACCS** ; Comments: Flora of North America

Chenopodium album L. (GUID: ipni-164758-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Chenopodium berlandieri Moq. (GUID: ipni-56042-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Chenopodium berlandieri subsp. zschackei (Murr) Zobel (GUID: kew-2717148). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Chenopodium berlandieri var. zschackei (Murr) Murr ex Graebn.** according to **WCSP** ; Comments: WCSP

Chenopodium berlandieri var. zschackei (Murr) Murr ex Graebn. (GUID: ipni-60447132-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Chenopodium berlandieri var. zschackii (Murr) Murr ex Asch.** according to **ACCS** ; Comments: Flora of North America

Chenopodium berlandieri var. zschackii (Murr) Murr ex Asch. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Chenopodium capitatum (L.) Asch. (GUID: trop-7200028). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Chenopodium capitatum var. capitatum (GUID: trop-50119357). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Chenopodium desiccatum var. leptophylloides (Murr) Wahl (GUID: ipni-56100-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chenopodium pratericola Rydb.** according to **ACCS** ; Comments: Flora of North America
- **Chenopodium pratericola Rydberg** according to **FNA** ; Comments: FNA

Chenopodium giganteum D.Don (GUID: ipni-164949-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chenopodium album L.** according to **ACCS** ; Comments: Flora of North America

Chenopodium glaucum L. (GUID: ipni-66909-3). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Chenopodium salinum Standl.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Chenopodium glaucum var. pulchrum Aellen (GUID: ipni-293181-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Chenopodium salinum Standl.** according to **WCSP** ; Comments: WCSP
- **Chenopodium salinum Standl.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Chenopodium glaucum var. salinum (Standl.) B.Boivin (GUID: ipni-56132-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Chenopodium salinum Standl.** according to **ALA** ; Comments: FNA 4; Flora of North America volume 4
- **Chenopodium salinum Standl.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Chenopodium leptophyllum (Moq.) Nutt. ex S.Watson (GUID: ipni-1007223-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Chenopodium pratericola Rydb. (GUID: ipni-165142-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**. A *synonym* of:

- **Chenopodium desiccatum var. leptophylloides (Murr) Wahl** according to **WCSP** ; Comments: WCSP

Chenopodium rubrum L. (GUID: ipni-67872-3). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Chenopodium rubrum var. humile (Hook.) S.Watson (GUID: ipni-56237-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Chenopodium rubrum L.** according to **WCSP** ; Comments: WCSP

Chenopodium rubrum var. rubrum (GUID: trop-7200717). In Alaska according to **ALA, FNA, ACCS**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Chenopodium rubrum L.** according to **ACCS** ; Comments: Flora of North America

Chenopodium salinum Standl. (GUID: ipni-165195-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**. A *synonym* of:

- **Chenopodium glaucum var. salinum (Standley) B. Boivin** according to **FNA** ; Comments: FNA

Chenopodium simplex (Torr.) Raf. (GUID: trop-7201445). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Chenopodium suecicum Murr. (GUID: ipni-165253-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chenopodium album L.** according to **ACCS** ; Comments: Flora of North America

Corispermum americanum (Nutt.) Nutt. (GUID: ipni-1089865-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Corispermum hyssopifolium L. (GUID: ipni-165398-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Corispermum ochotense Ignatov** according to **ACCS** ; Comments: Panarctic Flora Checklist

Corispermum ochotense Ignatov (GUID: ipni-930970-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Corispermum ochotense var. alaskanum Mosyakin (GUID: ipni-986419-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Corispermum ochotense Ignatov** according to **ALA** ; Comments: Elven, R. et al. 2003

- **Corispermum ochotense Ignatov** according to **PAF** ; Comments: Murray and Elven: [Corispermum ochotense] was first recognized by Ignatov (1986) and its North American range and variety by Mosyakin (1995). The name [C. ochotense] replaces [C. hyssopifolium] in a North American context. Variety [alaskanum] is distinguished by slightly larger fruits and co-occurs with var. [ochotense] in North America. We include it in synonymy only.
- **Corispermum ochotense Ignatov** according to **ACCS** ; Comments: Panarctic Flora Checklist

Corispermum ochotense var. ochotense (GUID: trop-7202561). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Kochia scoparia (L.) Schrad. (GUID: ipni-30359846-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Bassia scoparia (L.) A.J.Scott** according to **WCSP** ; Comments: WCSP

Kochia scoparia subsp. scoparia (L.) Schrad. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Monolepis nuttalliana (Schult.) Greene (GUID: ipni-163794-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Salicornia depressa Standl. (GUID: ipni-166508-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Salicornia rubra A.Nelson (GUID: ipni-166593-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Sarcocornia perennis (Mill.) A.J.Scott (GUID: ipni-167184-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Spinacea oleracea L. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Suaeda calceoliformis (Hook.) Moq. (GUID: ipni-1173159-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Suaeda maritima (L.) Dumort. (GUID: ipni-156349-3). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Suaeda calceoliformis (Hook.) Moq.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Suaeda occidentalis (S. Watson) S. Watson (GUID: trop-7200293). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Suaeda calceoliformis (Hook.) Moq.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Amaryllidaceae

Allium fistulosum L. (GUID: ipni-528046-1). In Alaska according to **FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Allium schoenoprasum L. (GUID: ipni-102525-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Allium schoenoprasum taxon northern_race (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Allium victorialis L. (GUID: ipni-529108-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Apiaceae

Aegopodium podagraria L. (GUID: ipni-92872-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Angelica arguta Nutt. (GUID: trop-1700800). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Angelica genuflexa Nutt. (GUID: trop-1700301). In Alaska according to **ALA**. An *accepted name* according to **ALA, WCSP**.

Angelica genuflexa Nutt. ex Torr. & A.Gray (GUID: ipni-837628-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Angelica genuflexa subsp. **genuflexa** Nutt. ex Torr. & A. Gray (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Angelica gmelinii (DC.) Pimenov (GUID: ipni-837635-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Anthriscus eleanus (Pursh) Rydb. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Anthriscus sylvestris (L.) Hoffm. (GUID: ipni-837969-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Bupleurum americanum J.M.Coult. & Rose (GUID: ipni-839029-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, WCSP, PAF, ACCS**.

Bupleurum arcticum (Regel) Krasnob. (GUID: ipni-987247-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Bupleurum triradiatum Adams ex Hoffm. (GUID: ipni-839445-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Bupleurum americanum** J.M. Coult. & Rose according to **ACCS** ; Comments: Panarctic Flora Checklist

Cicuta bulbifera L. (GUID: ipni-840360-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Cicuta douglasii (DC.) J.M. Coult. & Rose (GUID: trop-1701065). In Alaska according to **PAF, ACCS, ALA**. An *accepted name* according to **PAF, ACCS, ALA, WCSP**.

Cicuta maculata L. (GUID: ipni-840380-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Cicuta maculata var. **angustifolia** Hook. (GUID: ipni-58606-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**. A *synonym* of:

- **Cicuta douglasii** (DC.) J.M. Coult. & Rose according to **PAF** ; Comments: Cook and Roland (2002) mapped [*Cicuta douglasii*] to reach the Arctic near Kotzebue in western Alaska.

Cicuta virosa L. (GUID: ipni-840414-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Cnidium ajanense (Regel & Tiling) Drude (GUID: trop-1701904). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Cnidium cnidiifolium (Turcz.) Schischk. (GUID: ipni-840439-1). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF, WCSP**.

Cnidium cnidiifolium (Turcz.) Schischkin (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Conioselinum chinense (L.) Britton, Sterns & Poggenb. (GUID: trop-1701074). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Conioselinum pacificum (S. Watson) J.M. Coult. & Rose** according to **ACCS** ; Comments: Panarctic Flora Checklist

Conioselinum pacificum (S. Watson) J.M. Coult. & Rose (GUID: trop-1701793). In Alaska according to **PAF, ACCS, ALA**. An *accepted name* according to **PAF, ACCS, ALA**. A *synonym* of:

- **Conioselinum chinense (L.) Britton, Sterns & Poggenb.** according to **WCSP** ; Comments: WCSP

Conium maculatum L. (GUID: ipni-89946-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Daucus carota L. (GUID: ipni-841063-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Glehnia littoralis F. Schmidt ex Miq. (GUID: trop-1700797). In Alaska according to **ACCS**. An *accepted name* according to **ACCS, WCSP**.

Glehnia littoralis subsp. leiocarpa (Mathias) Hultén (GUID: ipni-110731-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Heracleum lanatum Michx. (GUID: ipni-843067-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Heracleum mantegazzianum Sommier & Levier (GUID: ipni-843084-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Heracleum sphondylium subsp. montanum (Schleich. ex Gaudin) Briq. (GUID: kew-2898302). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Heracleum lanatum Michx.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Ligusticum calderi Mathias & Constance (GUID: ipni-844388-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Ligusticum mutellinoides Vill. (GUID: ipni-844541-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Podistera macounii (J.M. Coult. & Rose) Mathias & Constance** according to **ACCS** ; Comments: Panarctic Flora Checklist

Ligusticum scoticum subsp. hultenii (Fernald) Calder & R.L. Taylor (GUID: ipni-1211439-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Ligusticum scoticum L. (GUID: ipni-844602-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Ligusticum scoticum subsp. hultenii (Fernald) Calder & R.L. Taylor (GUID: trop-1701903). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Ligusticum scoticum subsp. hultenii (Fernald) Calder & Roy L.Taylor (GUID: ipni-140064-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Lilaeopsis occidentalis J.M.Coult. & Rose (GUID: ipni-140092-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Myrrhis odorata (L.) Scop. (GUID: kew-2363724). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Oenanthe sarmentosa C. Presl ex DC. (GUID: trop-1700944). In Alaska according to ACCS. An *accepted name* according to ACCS, ALA.

Osmorhiza berteroi DC. (GUID: ipni-845536-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Osmorhiza chilensis Hook. & Arn.** according to ACCS ; Comments: D.F. Murray

Osmorhiza chilensis Hook. & Arn. (GUID: ipni-845543-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Osmorhiza depauperata L.L.Phillips (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Osmorhiza depauperata Phil. (GUID: ipni-845548-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Osmorhiza purpurea (J.M.Coult. & Rose) Suksd. (GUID: ipni-1107299-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Pastinaca sativa L. (GUID: ipni-845768-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Podistera macounii (J.M.Coult. & Rose) Mathias & Constance (GUID: ipni-847320-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Podistera yukonensis Mathias & Constance (GUID: ipni-847322-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Sium suave Walter (GUID: ipni-849061-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Apocynaceae

Apocynum androsaemifolium L. (GUID: ipni-77113-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Apocynum androsaemifolium subsp. pumilum (A.Gray) B.Boivin (GUID: ipni-16514-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Apocynum androsaemifolium L.** according to ACCS ; Comments: D.F. Murray

Apocynum androsaemifolium var. griseum (Greene) Bég. & Beloserky (GUID: trop-1804542). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Apocynum androsaemifolium L.** according to ACCS ; Comments: D.F. Murray

Apocynum androsaemifolium var. incanum A.DC. (GUID: ipni-16507-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Apocynum androsaemifolium L.** according to ACCS ; Comments: D.F. Murray

Apocynum androsaemifolium var. tomentellum (Greene) B.Boivin (GUID: ipni-289729-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Apocynum androsaemifolium L.** according to **ACCS** ; Comments: D.F. Murray

Aquifoliaceae

Ilex aquifolium L. (GUID: ipni-83051-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Araceae

Calla palustris L. (GUID: ipni-86508-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Lemna trisulca L. (GUID: ipni-526223-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Lemna turionifera Landolt (GUID: ipni-526224-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Lysichiton americanus Hultén & H.St.John (GUID: ipni-147962-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Araliaceae

Hedera helix L. (GUID: ipni-90723-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Oplopanax horridus (Sm.) Miq. (GUID: trop-2200018). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Asparagaceae

Asparagus officinalis L. (GUID: ipni-531229-1). In Alaska according to **ALA**. An *accepted name* according to **ALA, WCSP**.

Maianthemum dilatatum (Alph.Wood) A.Nelson & J.F.Macbr. (GUID: ipni-1087850-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, ALA, ACCS, FNA**.

Maianthemum racemosum (L.) Link (GUID: trop-18405988). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Maianthemum racemosum subsp. amplexicaule (Nutt.) LaFrankie (GUID: ipni-952775-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Maianthemum stellatum (L.) Link (GUID: trop-50106394). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Aspleniaceae

Asplenium trichomanes L. (GUID: ipni-310197-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Asplenium trichomanes subsp. quadrivalens D.E.Mey. (GUID: ipni-148195-3). In Alaska according to ACCS. An *accepted name* according to ACCS.

Asplenium trichomanes subsp. trichomanes (GUID: trop-26609733). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Asplenium trichomanes-ramosum L. (GUID: ipni-22828-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Asplenium viride** Huds. according to ALA ; Comments: Elven, R. et al. 2003
- **Asplenium viride** Huds. according to ACCS ; Comments: Panarctic Flora Checklist

Asplenium viride Huds. (GUID: ipni-17053570-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Asplenium trichomanes-ramosum** Linnaeus according to FNA ; Comments: FNA

Asteraceae

Achillea alpina L. (GUID: ipni-1031768-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Achillea alpina subsp. multiflora (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Achillea alpina subsp. multiflora (Hook.) D.F.Murray & Elven (GUID: ipni-60450132-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Achillea filipendulina Lam. (GUID: ipni-173972-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Achillea lanulosa Nutt. (GUID: ipni-174063-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Achillea millefolium subsp. lanulosa (Nutt.) Piper** according to PAF ; Comments: Subspecies [lanulosa] is adventive but established in Narssarssuaq in southwestern Greenland (Pedersen 1972). The Löves sorted the chromosome reports: $2n = 36$ on [Achillea lanulosa] and $2n = 54$ on [A. borealis]. Incidentally, they also assigned only counts of $2n = 54$ to [A. millefolium] ('s. str.' in their concept). There is little reason to assume that the chromosomal situation is as simple as designed by the Löves. In 2010, Icelandic material was found to include both [Achillea millefolium] s. str. (predominant) and subsp. [lanulosa] (interior and northern parts). The difference in morphology was pronounced, and the two morphological types co-occurred in some sites. There is little reason to assume that the ['lanulosa'] type is introduced in Iceland. However, the ['lanulosa'] type has not yet been proved from the arctic parts of Iceland.
- **Achillea millefolium** L. according to ACCS ; Comments: Flora of North America

Achillea millefolium L. (GUID: ipni-174112-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Achillea millefolium subsp. borealis (Bong.) Breitung (GUID: ipni-1005970-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Achillea millefolium** Linnaeus according to FNA ; Comments: FNA

Achillea millefolium subsp. lanulosa Piper (GUID: trop-50330098). In Alaska according to PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Achillea millefolium** L. according to ACCS ; Comments: Flora of North America

- **Achillea millefolium Linnaeus** according to FNA ; Comments: FNA
- Achillea ptarmica L.** (GUID: ipni-174199-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Achillea sibirica Ledeb.** (GUID: ipni-1049103-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Achillea alpina subsp. multiflora (Hook.) D.F. Murray & Elven** according to ACCS ; Comments: Panarctic Flora Checklist
 - **Achillea alpina Linnaeus** according to FNA ; Comments: FNA
- Agoseris aurantiaca (Hook.) Greene** (GUID: ipni-7202-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Agoseris aurantiaca var. aurantiaca** (GUID: trop-2723691). In Alaska according to FNA. An *accepted name* according to FNA.
- Agoseris aurantiaca var. aurantiaca (Hook.) Greene** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Agoseris glauca (Pursh) Raf.** (GUID: ipni-7222-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.
- Agoseris glauca var. dasycephala (Torr. & A.Gray) Jeps.** (GUID: ipni-7226-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Ambrosia artemisiifolia L.** (GUID: ipni-109187-3). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.
- Ambrosia chamissonis (Less.) Greene** (GUID: trop-2709264). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Ambrosia trifida L.** (GUID: ipni-176138-1). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.
- Anaphalis margaritacea (L.) Benth. & Hook.f.** (GUID: ipni-30173179-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.
- Anaphalis margaritacea (L.) Benth. ex C.B. Clarke** (GUID: trop-2700042). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Antennaria alpina (L.) Gaertn.** (GUID: ipni-1193818-2). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, FNA.
- Antennaria alpina subsp. canescens (Lange) Chmiel.** (GUID: ipni-1009110-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:
- **Antennaria alpina (Linnaeus) Gaertner** according to FNA ; Comments: FNA
- Antennaria densifolia A.E.Porsild** (GUID: ipni-176893-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Antennaria dioica (L.) Gaertn.** (GUID: trop-2700047). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, FNA.
- Antennaria friesiana (Trautv.) E. Ekman** (GUID: trop-2700049). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.
- Antennaria friesiana subsp. alaskana (Malte) Hultén** (GUID: ipni-14691-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Antennaria friesiana subsp. friesiana (GUID: trop-2723601). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Antennaria friesiana subsp. friesiana (Trautv.) Ekman (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Antennaria friesiana subsp. nealaskana (A.E. Porsild) Bayer & Stebbins (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Antennaria friesiana subsp. nealaskana (A.E.Porsild) R.J.Bayer & Stebbins (GUID: ipni-976457-1). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Antennaria media Greene (GUID: ipni-176975-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Antennaria media subsp. compacta (Malte) Chmiel. (GUID: ipni-1041523-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Antennaria alpina (L.) Gaertn.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Antennaria alpina (Linnaeus) Gaertner** according to **FNA** ; Comments: FNA

Antennaria microphylla Rydb. (GUID: ipni-14746-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Antennaria monocephala DC. (GUID: ipni-176984-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Antennaria monocephala subsp. angustata (Greene) Hultén (GUID: ipni-14752-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Antennaria monocephala subsp. monocephala (GUID: trop-50244714). In Alaska according to **ALA, PAF, FNA, ACCS**. An *accepted name* according to **ALA, PAF, FNA, ACCS**.

Antennaria pulcherrima (Hook.) Greene (GUID: ipni-1214639-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Antennaria pulcherrima subsp. pulcherrima (GUID: trop-50274900). In Alaska according to **FNA, ALA**. An *accepted name* according to **FNA, ALA**.

Antennaria pulcherrima subsp. pulcherrima (Hook.) Greene (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Antennaria rosea Greene (GUID: ipni-272200-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Antennaria rosea subsp. arida (E.E. Nelson) Bayer (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Antennaria rosea subsp. arida (E.E.Nelson) R.J.Bayer (GUID: ipni-272201-2). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Antennaria rosea subsp. confinis (Greene) Bayer (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Antennaria rosea subsp. confinis (Greene) R.J.Bayer (GUID: ipni-955266-1). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Antennaria rosea subsp. pulvinata (Greene) Bayer (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Antennaria rosea subsp. pulvinata (Greene) R.J.Bayer (GUID: ipni-955267-1). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Antennaria rosea subsp. rosea (GUID: trop-2742962). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Antennaria rosea subsp. rosea Greene (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Anthemis cotula L. (GUID: ipni-125517-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arctanthemum arcticum (L.) Tzvelev (GUID: ipni-272489-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arctanthemum arcticum subsp. arcticum (GUID: trop-50244754). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Arctanthemum arcticum subsp. arcticum (L.) Tzvelev (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Arctanthemum arcticum subsp. polare (Hultén) Tzvelev (GUID: trop-50244757). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Arctium lappa L. (GUID: ipni-178385-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Arctium minus Bernh. (GUID: ipni-17703-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Arnica alpina (L.) Olin (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Arnica angustifolia Vahl** according to ACCS ; Comments: Panarctic Flora Checklist

Arnica angustifolia Vahl (GUID: ipni-19869-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Arnica angustifolia subsp. angustifolia (GUID: trop-2700090). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Arnica angustifolia subsp. angustifolia Vahl (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Arnica angustifolia subsp. attenuata (Greene) G.W. Douglas (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Arnica angustifolia subsp. attenuata (Greene) G.W. Douglas & Ruyle-Douglas (GUID: trop-2700091). In Alaska according to PAF. An *accepted name* according to PAF.

Arnica angustifolia subsp. tomentosa (J.M.Macoun) G.W.Douglas & Ruyle-Dougl. (GUID: ipni-19874-2). In Alaska according to PAF. An *accepted name* according to PAF.

Arnica chamissonis Less. (GUID: ipni-178910-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arnica chamissonis subsp. chamissonis (GUID: trop-2701742). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Arnica chamissonis subsp. chamissonis Less. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Arnica chamissonis subsp. foliosa (Nutt.) Maguire (GUID: ipni-19894-2). In Alaska according to ALA, ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Arnica chamissonis Less.** according to ALA ; Comments: FNA vol. 21
- **Arnica chamissonis Lessing** according to FNA ; Comments: FNA

Arnica cordifolia Hook. (GUID: ipni-178925-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Arnica frigida C.A.Mey. ex Iljin (GUID: ipni-19933-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Arnica griscomii subsp. frigida (C.A.Mey. ex Iljin) S.J.Wolf** according to ALA ; Comments:
- **Arnica griscomii subsp. frigida (C. A. Meyer ex Iljin) S. J. Wolf** according to FNA ; Comments: FNA

Arnica griscomii Fernald (GUID: ipni-272677-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Arnica frigida C.A. Mey. ex Iljin** according to ACCS ; Comments: Panarctic Flora Checklist

Arnica griscomii subsp. frigida (C.A.Mey. ex Iljin) S.J.Wolf (GUID: ipni-1167784-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Arnica frigida C.A. Mey. ex Iljin** according to PAF ; Comments: The majority of American authors (e.g., Maguire 1942; Wolf 1989, 2006) have assigned the amphi-Beringian [*Arnica frigida*] as a race to either the narrowly eastern North American [*A. griscomii*] Fernald [*Rhodora* 26: 105 (1924); holotype (GH): Canada: Quebec, Matane Co., south of Fernald Pass, Mount Mattaouisse, 20. Aug. 1923, leg. Fernald and Smith 26,084] or to the narrowly mid-Cordilleran [*A. louiseana*] Farr [*Ottawa Natural.* 20: 109 (1906)]. Even if these three taxa are similar in most aspects, their ranges are widely apart and must have been isolated for a long time. The arguments of Wolf (1989) for subspecific rank are not convincing and we accept [*A. frigida*] as species besides [*A. griscomii*] and [*A. louiseana*]. The aneuploid chromosome number of $2n = 67$ is reported from both [*A. griscomii*] (Gervais 1979, Quebec) and [*A. louiseana*] (Ornduff et al. 1967).
- **Arnica frigida C.A. Mey. ex Iljin** according to ACCS ; Comments: Panarctic Flora Checklist

Arnica lanceolata Nutt. (GUID: ipni-30312056-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Arnica lanceolata subsp. prima (Maguire) Strother & S.J. Wolf** according to ACCS ; Comments: Flora of North America

Arnica lanceolata subsp. prima (Maguire) Strother & S.J.Wolf (GUID: ipni-60442760-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arnica latifolia Bong. (GUID: ipni-178982-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arnica lessingii (Torr. & A.Gray) Greene (GUID: ipni-1038073-2). In Alaska according to PAF, FNA. An *accepted name* according to PAF, FNA.

Arnica lessingii Greene (GUID: ipni-19958-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Arnica lessingii subsp. norbergii Hultén & Maguire (GUID: ipni-19960-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Arnica lessingii (Torr. & A. Gray) Greene** according to PAF ; Comments: Hultén (1968a) mapped [Arnica lessingii] from East Chukotka but it has not been accepted from there by Russian authors. Barkalov (1992) mapped it as frequent in Kamtchatka but not farther north.
- **Arnica lessingii Greene** according to ACCS ; Comments: Panarctic Flora Checklist
- **Arnica lessingii (Torrey & A. Gray) Greene** according to FNA ; Comments: FNA

Arnica lonchophylla Greene (GUID: ipni-19961-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arnica lonchophylla subsp. lonchophylla Greene (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Arnica mollis Hook. (GUID: ipni-179001-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arnica ovata Greene (GUID: ipni-20056-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arnica snyderi Raup (GUID: ipni-20085-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Arnica frigida C.A. Mey. ex Iljin** according to ACCS ; Comments: Panarctic Flora Checklist

Arnica unalaschkensis Less. (GUID: ipni-179080-1). In Alaska according to PAF, ACCS, ALA, ACCS, FNA. An *accepted name* according to PAF, ACCS, ALA, FNA. A *synonym* of:

- **Arnica unalaschkensis Less.** according to ACCS ; Comments: Panarctic Flora Checklist

Artemisia alaskana Rydb. (GUID: ipni-179165-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Artemisia kruhsiana subsp. alaskana (Rydb.)** according to ALA ; Comments: Elven, R. et al. 2003
- **Artemisia kruhsiana subsp. alaskana (Rydb.) D.F. Murray & Elven** according to PAF ; Comments: See Elven and Murray (2008b) for reference to molecular work supporting [Artemisia alaskana] as closely related to [A. kruhsiana].
- **Artemisia kruhsiana subsp. alaskana (Rydb.) D.F. Murray & Elven** according to ACCS ; Comments: Panarctic Flora Checklist

Artemisia aleutica Hultén (GUID: ipni-20504-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Artemisia arctica Less. (GUID: ipni-179216-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Artemisia norvegica subsp. saxatilis (Besser) H. M. Hall & Clements** according to FNA ; Comments: FNA

Artemisia arctica subsp. arctica (GUID: trop-2701759). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Artemisia arctica subsp. arctica Less. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Artemisia arctica subsp. beringensis (Hultén) Hultén (GUID: ipni-20511-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Artemisia norvegica subsp. saxatilis (Besser) H. M. Hall & Clements** according to FNA ; Comments: FNA

Artemisia arctica subsp. ehrendorferi Korobkov (GUID: ipni-876538-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Artemisia arctica subsp. arctica** according to ALA ; Comments: Elven, R. et al. 2003
- **Artemisia norvegica subsp. saxatilis (Besser) H. M. Hall & Clements** according to FNA ; Comments: FNA

Artemisia biennis Willd. (GUID: ipni-179267-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Artemisia borealis Pall. (GUID: ipni-20523-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Artemisia borealis subsp. borealis Pall.** according to ACCS ; Comments: Panarctic Flora Checklist

Artemisia borealis subsp. borealis (GUID: trop-50282713). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Artemisia borealis subsp. borealis Pall. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Artemisia borealis subsp. richardsoniana (Besser) Korobkov (GUID: ipni-953990-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Artemisia campestris subsp. pacifica (Nutt.) H.M.Hall & Clem. (GUID: ipni-1199986-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Artemisia borealis subsp. borealis Pall.** according to ACCS ; Comments: Panarctic Flora Checklist

Artemisia cana Pursh (GUID: ipni-272695-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Artemisia cana subsp. cana Pursh (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Artemisia canadensis Michx. (GUID: ipni-20568-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Artemisia borealis subsp. borealis Pall.** according to ACCS ; Comments: Panarctic Flora Checklist

Artemisia comata Rydb. (GUID: ipni-20590-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Artemisia dracunculus L. (GUID: ipni-179433-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Artemisia dracunculus var. glauca (Pall. ex Willd.) Besser (GUID: ipni-77111802-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Artemisia dracunculus L.** according to ACCS ; Comments: Panarctic Flora Checklist

Artemisia frigida Willd. (GUID: ipni-179492-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Artemisia furcata M.Bieb. (GUID: ipni-179498-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Artemisia furcata var. heterophylla (Besser) Hultén (GUID: trop-2722833). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Artemisia furcata M. Bieb.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Artemisia furcata M. Bieberstein** according to FNA ; Comments: FNA

Artemisia globularia Cham. ex Besser (GUID: ipni-20640-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Artemisia globularia subsp. globularia (GUID: trop-50257726). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Artemisia globularia subsp. lutea (Hultén) L.M.Shultz (GUID: ipni-60439846-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Artemisia globularia var. lutea Hultén** according to PAF ; Comments: Yurtsev and Murray: Variety [lutea] Hultén is a distinctive plant found in the St. Paul, St. Matthew, and St. Lawrence islands and in several localities on the western Seward Peninsula. It was included among the rare and endangered plants of Alaska by Lipkin and Murray (1997) and was also accepted by Ling (1996). We are reluctant to accept it as a geographical race as it seems to occur entirely within the range of [Artemisia globularia] s. str. It is either a species or a recurrent variation within [A. globularia].

Artemisia globularia var. globularia Cham. ex Besser (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Artemisia globularia var. lutea Hultén (GUID: ipni-20642-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Artemisia globularia subsp. lutea (Hultén) L. M. Shultz** according to ALA ; Comments:
- **Artemisia globularia subsp. lutea (Hultén) L. M. Shultz** according to FNA ; Comments: FNA

Artemisia glomerata Ledeb. (GUID: ipni-179531-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Artemisia hyperborea Rydb. (GUID: ipni-1038246-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Artemisia furcata M. Bieberstein** according to FNA ; Comments: FNA

Artemisia kruhsiana Besser (GUID: ipni-179696-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Artemisia kruhsiana subsp. alaskana (Rydb.) (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Artemisia kruhsiana subsp. alaskana (Rydb.) D.F.Murray & Elven (GUID: ipni-77099629-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Artemisia laciniata subsp. laciniata (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Artemisia ludoviciana Nutt. (GUID: ipni-303755-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Artemisia ludoviciana subsp. ludoviciana Nutt. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Artemisia ludoviciana var. gnaphalodes (Nutt.) Torr. & A.Gray (GUID: ipni-20685-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Artemisia ludoviciana subsp. ludoviciana Nutt.** according to **ACCS** ; Comments: Flora of North America
- Artemisia norvegica subsp. saxatilis (Besser) H.M. Hall & Clem.** (GUID: trop-2724366). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:
- **Artemisia arctica subsp. arctica Less.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- Artemisia senjavinensis Besser** (GUID: trop-2709398). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.
- Artemisia stelleriana Besser** (GUID: ipni-180142-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.
- Artemisia tanacetifolia L.** (GUID: ipni-180186-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.
- Artemisia tilesii Ledeb.** (GUID: ipni-180214-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.
- Artemisia tilesii subsp. elatior (Torr. & A. Gray) Hultén** (GUID: trop-2701808). In Alaska according to **PAF, ACCS, ALA**. An *accepted name* according to **PAF, ACCS, ALA**.
- Artemisia tilesii subsp. tilesii** (GUID: trop-2723615). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.
- Artemisia tilesii subsp. tilesii Ledeb.** (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.
- Artemisia unalaskensis Rydb.** (GUID: ipni-20806-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:
- **Artemisia tilesii subsp. tilesii Ledeb.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- Artemisia unalaskensis var. aleutica Hultén** (GUID: ipni-20807-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:
- **Artemisia tilesii subsp. tilesii Ledeb.** according to **ACCS** ; Comments: Panarctic Flora Checklist
 - **Artemisia tilesii Ledebour** according to **FNA** ; Comments: FNA
- Artemisia unalaskensis var. unalaskensis** (GUID: trop-2723617). In Alaska according to **ALA**. An *accepted name* according to **ALA**.
- Artemisia vulgaris L.** (GUID: ipni-140788-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.
- Askellia elegans (Hook.) W.A.Weber** (GUID: ipni-913690-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.
- Askellia nana (Richardson) W.A.Weber** (GUID: ipni-913694-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.
- Aster alpinus L.** (GUID: ipni-180595-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.
- Aster alpinus subsp. vierhapperi Onno** (GUID: ipni-312949-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Aster brachyactis S.F.Blake (GUID: ipni-23144-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Symphotrichum ciliatum (Ledeb.) G.L. Nesom** according to **ACCS** ; Comments: Flora of North America
- **Symphotrichum ciliatum (Ledebour) G. L. Nesom** according to **FNA** ; Comments: FNA

Bellis perennis L. (GUID: ipni-163507-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Bidens cernua L. (GUID: ipni-184796-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Bidens cernua var. radiata DC. (GUID: trop-50262102). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Bidens cernua L.** according to **ACCS** ; Comments: Flora of North America
- **Bidens cernua Linnaeus** according to **FNA** ; Comments: FNA

Bidens frondosa L. (GUID: ipni-184921-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Bidens tripartita L. (GUID: ipni-185293-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Calendula officinalis L. (GUID: ipni-187894-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Canadanthus modestus (Lindl.) G.L.Nesom (GUID: ipni-1004037-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Centaurea cyanus L. (GUID: ipni-190310-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Centaurea montana L. (GUID: ipni-191037-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Centaurea scabiosa L. (GUID: ipni-57128-3). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Centaurea stoebe L. (GUID: ipni-191689-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Centaurea stoebe subsp. micranthos (S.G. Gmel. ex Gugler) Hayek (GUID: trop-50154206). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Chrysanthemum bipinnatum subsp. bipinnatum (GUID: trop-2723609). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Tanacetum bipinnatum (L.) Sch. Bip.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Chrysanthemum segetum L. (GUID: ipni-193744-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Glebionis segetum (L.) Fourr.** according to **ACCS** ; Comments: Flora of North America
- **Glebionis segetum (Linnaeus) Fournereau** according to **FNA** ; Comments: FNA

Cirsium arvense (L.) Scop. (GUID: ipni-195034-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Cirsium edule Nutt. (GUID: ipni-195297-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Cirsium edule var. macounii (Greene) (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Cirsium edule var. macounii (Greene) D.J.Keil (GUID: ipni-60436284-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Cirsium edule var. macounii Nutt. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cirsium foliosum (Hook.) DC. (GUID: trop-2709805). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Cirsium kamtschaticum Ledeb. ex DC. (GUID: ipni-195541-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Cirsium vulgare (Savi) Ten. (GUID: ipni-196191-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Conyza canadensis (L.) Cronquist (GUID: ipni-95478-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Cota tinctoria (L.) J. Gay ex Guss. (GUID: trop-2728728). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Cota tinctoria J. Gay (GUID: ipni-198407-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cotula coronopifolia L. (GUID: ipni-103491-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Crepis capillaris (L.) Wallr. (GUID: ipni-247873-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Crepis elegans Hook. (GUID: ipni-199835-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Askellia elegans (Hook.) W.A. Weber** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Askellia elegans (Hook.) W.A. Weber** according to **PAF** ; Comments:
- **Askellia elegans (Hook.) W.A. Weber** according to **ACCS** ; Comments: Panarctic Flora Checklist

Crepis nana Richardson in J. Franklin et al. (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Crepis tectorum L. (GUID: ipni-107278-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Erigeron acris L. (GUID: ipni-93523-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Erigeron acris subsp. kamtschaticus (DC.) H. Hara (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Erigeron acris subsp. kamtschaticus Ledeb. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Erigeron acris subsp. politus (Fr.) H. Lindb. (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Erigeron acris subsp. politus (Fr.) Schinz & Keller (GUID: trop-2702428). In Alaska according to ACCS. An *accepted name* according to ACCS.

Erigeron acris var. kamtschaticus (de Candolle) Herder (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Erigeron caespitosus Nutt. (GUID: ipni-203643-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron compositus Pursh (GUID: ipni-93663-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron denalii A.Nelson (GUID: ipni-203769-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron elatus (Hook.) Greene (GUID: ipni-1018052-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron eriocephalus J.Vahl (GUID: ipni-203827-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Erigeron uniflorus var. eriocephalus (J. Vahl) B. Boivin** according to FNA ; Comments: FNA

Erigeron glabellus Nutt. (GUID: ipni-93799-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Erigeron glabellus subsp. pubescens (Hook.) Cronquist (GUID: ipni-93803-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Erigeron glabellus var. glabellus Nutt. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Erigeron glabellus var. pubescens Hook. (GUID: ipni-93804-2). In Alaska according to FNA, ACCS. An *accepted name* according to FNA. A *synonym* of:

- **Erigeron glabellus subsp. pubescens (Hook.) Cronquist** according to PAF ; Comments:
- **Erigeron glabellus subsp. pubescens (Hook.) Cronquist** according to ACCS ; Comments: Panarctic Flora Checklist

Erigeron glacialis (Nutt.) A.Nelson (GUID: ipni-93811-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Erigeron glacialis var. glacialis (GUID: trop-50274891). In Alaska according to FNA. An *accepted name* according to FNA.

Erigeron glacialis var. glacialis (Nutt.) A. Nelson (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Erigeron hultenii Spongberg (GUID: ipni-93837-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Erigeron humilis Graham (GUID: ipni-203979-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron hyperboreus Greene (GUID: ipni-93840-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron lonchophyllus Hook. (GUID: ipni-1127775-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Erigeron muirii A.Gray (GUID: ipni-93944-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron nivalis Nutt. (GUID: ipni-204220-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Erigeron ochroleucus Nutt. (GUID: ipni-204240-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron peregrinus (Banks ex Pursh) Greene (GUID: trop-2700723). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Erigeron peregrinus var. dawsonii Greene (GUID: ipni-94011-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Erigeron peregrinus (Banks ex Pursh) Greene** according to ACCS ; Comments: Panarctic Flora Checklist

Erigeron peregrinus var. peregrinus (GUID: trop-2723805). In Alaska according to FNA. An *accepted name* according to FNA.

Erigeron porsildii G.L.Nesom & D.F.Murray (GUID: ipni-60436242-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron purpuratus Greene (GUID: ipni-94077-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Erigeron uniflorus L. (GUID: ipni-94226-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Erigeron uniflorus var. eriocephalus (J.Vahl) B.Boivin (GUID: ipni-877220-1). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Erigeron eriocephalus J. Vahl.** according to PAF ; Comments: Elven and Solstad: Plants showing features intermediate between [Erigeron eriocephalus] and [E. uniflorus] occur in the Fennoscandian mountains and in Iceland, at least in the former region north to the Arctic, but we provisionally exclude [E. eriocephalus] from arctic Scandinavia and Iceland. The Norwegian record above is based on Svalbard plants which are undisputable [E. eriocephalus], and [E. uniflorus] is absent from these islands.
- **Erigeron eriocephalus J. Vahl** according to ACCS ; Comments: Panarctic Flora Checklist

Erigeron yukonensis Rydb. (GUID: ipni-1127968-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Eurybia sibirica (L.) G.L.Nesom (GUID: ipni-1164555-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Eurybia sibirica var. gigantea (Hook.) G.L.Nesom (GUID: ipni-1126518-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Eurybia sibirica (Linnaeus) G. L. Nesom** according to FNA ; Comments: FNA

Gaillardia pulchella Foug. (GUID: ipni-329185-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Glebionis segetum (L.) Fourr. (GUID: trop-50232975). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Gnaphalium palustre Nutt. (GUID: ipni-209814-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Gnaphalium uliginosum L. (GUID: ipni-210174-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Grindelia hirsutula Hook. & Arn. (GUID: ipni-210605-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Helianthus annuus L. (GUID: ipni-90623-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Hieracium albiflorum Hook. (GUID: ipni-122153-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Hieracium aurantiacum L. (GUID: ipni-215171-1). In Alaska according to **ALA, ACCS, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Pilosella aurantiaca** (L.) F. W. Schultz & Sch.Bip. according to **ALA** ; Comments: Elven, R. et al. 2003
- **Pilosella aurantiaca** (L.) F.W. Schultz & Sch.Bip. according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Pilosella aurantiaca** (L.) F.W. Schultz & Sch.Bip. according to **ACCS** ; Comments: Panarctic Flora Checklist

Hieracium caespitosum Dumort. (GUID: ipni-215703-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Hieracium lachenalii C.C.Gmel. (GUID: ipni-219001-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Hieracium murorum L. (GUID: ipni-220232-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Hieracium pilosella L. (GUID: ipni-221320-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Hieracium piloselloides Vill. (GUID: ipni-221324-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Hieracium triste Willd. ex Spreng. (GUID: ipni-122486-2). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Stenotheca tristis** (Willd. ex Spreng.) Schljakov according to **PAF** ; Comments: Sennikov and Elven: There is probably only one northern species of [Stenotheca], which means synonymization of the names [S. gracilis] and [S. tristis]. Hultén (1950) reported [Hieracium gracile] from the Borderline Arctic in southwestern Alaska as [H. gracile] var. [alaskanum]. No combination for [‘gracilis’] within [Stenotheca] has been found. [Stenotheca tristis] reaches the Arctic in Alaska and approaches in the Great Bear Lake area in the Northwest Territories, see Porsild and Cody (1980).
- **Stenotheca tristis** (Willd. ex Spreng.) Schljakov according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Stenotheca tristis** (Willd. ex Sprengel) Schljakov according to **ALA** ; Comments: Elven, R. et al. 2003

Hieracium umbellatum L. (GUID: ipni-122497-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Hulteniella integrifolia (Richardson) Tzvelev (GUID: ipni-944880-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Hypochaeris radicata L. (GUID: ipni-135432-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Hypochoeris radicata L. (GUID: trop-2742503). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Hypochaeris radicata L.** according to **ACCS** ; Comments: Flora of North America

Lactuca biennis (Moench) Fernald (GUID: ipni-227896-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Lactuca serriola L. (GUID: ipni-228256-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lapsana communis L. (GUID: ipni-228732-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Leontodon autumnalis L. (GUID: ipni-137362-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Scorzoneroides autumnalis (L.) Moench** according to **ACCS** ; Comments: Panarctic Flora Checklist

Leontodon hispidus L. (GUID: ipni-229358-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Leontodon saxatilis subsp. saxatilis (GUID: trop-50043951). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lepidotheca suaveolens Nutt. (GUID: ipni-229752-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Matricaria discoidea DC.** according to **ACCS** ; Comments: Flora of North America

Leucanthemum maximum (Ramond) DC. (GUID: trop-2702816). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Leucanthemum vulgare Lam. (GUID: ipni-113099-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Logfia arvensis (L.) Holub (GUID: ipni-231059-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Madia glomerata Hook. (GUID: ipni-231609-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Madia sativa Molina (GUID: ipni-231627-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Matricaria discoidea DC. (GUID: ipni-154716-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**. A *synonym* of:

- **Lepidotheca suaveolens (Pursh) Nutt.** according to **PAF** ; Comments: [Lepidotheca suaveolens] is an established adventive in the Arctic in Iceland, Norway, European Russia, Alaska, Canada, and Greenland. We therefore assume it to be established in the Arctic in the Russian Far East, too. The name [Matricaria matricarioides] has often been applied to this species but is based on [Artemisia matricarioides] Less., Linnaea 6: 210 (1831), a synonym of [Tanacetum huronense] (Brouillet 2006b).

Microseris borealis (Bong.) Sch. Bip. (GUID: trop-2724447). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**.

Microseris borealis (Bongard) Schultz-Bipontinus (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Mulgedium pulchellum (Pursh) G. Don (GUID: trop-50083682). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, FNA.

Mycelis muralis (L.) Dumort. (GUID: trop-2701066). In Alaska according to ACCS. An *accepted name* according to ACCS.

Packera cymbalaria (Pursh) W.A.Weber & Á.Löve (GUID: ipni-179980-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Packera heterophylla (Fisch.) E.Wiebe** according to ALA ; Comments: Elven, R. et al. 2003
- **Packera heterophylla (Fisch.) E. Wiebe** according to ACCS ; Comments: Panarctic Flora Checklist

Packera heterophylla (Fisch.) E.Wiebe (GUID: ipni-1032476-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Packera hyperborealis (Greenm.) Á.Löve & D.Löve (GUID: ipni-179994-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Packera hyperborealis subsp. hyperborealis (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Packera hyperborealis subsp. hyperborealis (Greenm.) Á. Löve & D. Löve (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Packera indecora (Greene) Á.Löve & D.Löve (GUID: ipni-179995-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Packera ogotorukensis (Packer) W.A.Weber & A.Love (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Packera ogotorukensis (Packer) Á.Löve & D.Löve (GUID: ipni-180006-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Packera pauciflora (Pursh) Á.Löve & D.Löve (GUID: ipni-1204664-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Packera paupercula (Michx.) W.A.Weber & A.Love (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Packera paupercula (Michx.) Á.Löve & D.Löve (GUID: ipni-180009-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Packera subnuda (DC.) Trock & T.M.Barkley (GUID: ipni-1012296-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Packera subnuda var. moresbiensis (Calder & R.L.Taylor) Trock (GUID: ipni-60436358-2). In Alaska according to ALA. An *accepted name* according to ALA.

Packera subnuda var. moresbiensis (Calder & Roy L. Taylor) Trock (GUID: trop-50262066). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Parasenecio auriculatus (DC.) J.R.Grant (GUID: ipni-1171991-2). In Alaska according to ALA, ACCS, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA. A *synonym* of:

- **Parasenecio auriculata (DC.) J.R. Grant** according to ACCS ; Comments: D.F. Murray

Petasites frigidus (L.) Fr. (GUID: ipni-1061719-2). In Alaska according to ACCS, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Petasites frigidus (L.) Fr.** according to ACCS ; Comments: Panarctic Flora Checklist

Petasites frigidus subsp. arcticus (A.E.Porsild) Cody (GUID: ipni-980231-1). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Petasites frigidus subsp. frigidus (GUID: trop-50328304). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Petasites frigidus subsp. nivalis (Greene) Cody (GUID: ipni-1058340-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Petasites frigidus subsp. palmatus (Aiton) Cody (GUID: ipni-1038474-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Petasites frigidus var. frigidus (GUID: trop-2723586). In Alaska according to FNA, ACCS. An *accepted name* according to FNA. A *synonym* of:

- **Petasites frigidus subsp. frigidus** according to ALA ; Comments: Cody 1996; Cody 1996; Cody, W. J. 1996. Flora of the Yukon Territory. NRC Research Press, Ottawa. 643 pp.
- **Petasites frigidus subsp. frigidus (L.) Fr.** according to ACCS ; Comments: Panarctic Flora Checklist

Petasites frigidus var. sagittatus (Pursh) Chern. (GUID: ipni-1098564-2). In Alaska according to FNA. An *accepted name* according to FNA.

Petasites sagittatus (Pursh) A.Gray (GUID: ipni-1067137-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Petasites frigidus var. sagittatus (Pursh) Cherniawsky** according to FNA ; Comments: FNA

Petasites × vitifolius Greene (GUID: ipni-191118-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Picris hieracioides L. (GUID: ipni-156504-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Pilosella aurantiaca (L.) F.W.Schultz & Sch.Bip. (GUID: ipni-238000-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Pilosella aurantiaca subsp. aurantiaca (L.) F.W. Schultz & Sch.Bip. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Prenanthes alata (Hook.) D. Dietr. (GUID: trop-2710880). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, FNA.

Psilocarphus elatior (A. Gray) A. Gray (GUID: trop-2723891). In Alaska according to ACCS. An *accepted name* according to ACCS.

Saussurea americana D.C.Eaton (GUID: ipni-228196-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Saussurea angustifolia (L.) DC. (GUID: ipni-242087-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Saussurea angustifolia subsp. angustifolia (GUID: trop-50328306). In Alaska according to PAF. An *accepted name* according to PAF.

Saussurea angustifolia subsp. yukonensis (A.E.Porsild) Cody (GUID: ipni-1075890-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Saussurea angustifolia var. yukonensis A.E.Porsild** according to **ALA** ; Comments: FNA 19
- **Saussurea angustifolia var. yukonensis A.E. Porsild** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Saussurea angustifolia var. yukonensis A. E. Porsild** according to **FNA** ; Comments: FNA

Saussurea angustifolia var. angustifolia (GUID: trop-2722849). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Saussurea angustifolia var. angustifolia (Willd.) DC. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Saussurea angustifolia var. viscida (Hultén) S.L.Welsh (GUID: ipni-228198-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Saussurea angustifolia var. yukonensis A.E.Porsild (GUID: ipni-228199-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**. A *synonym* of:

- **Saussurea angustifolia subsp. yukonensis (A.E. Porsild) Cody** according to **PAF** ; Comments: Elven and Murray: [Saussurea angustifolia] subsp. [yukonensis] has been widely misunderstood as evident from identifications of the specimens from Alaska and the Yukon Territory (ALA). Alan Batten re-identified the majority of specimens previously assigned to subsp. [yukonensis] as alpine, low-grown [S. angustifolia] s. str. We agree with his evaluation. What remains is clearly different from both [S. angustifolia] s. str. and its var. [viscida], and our opinion is that subsp. [yukonensis] may deserve higher rank. If the ploidy difference is confirmed, specific rank should be considered.

Saussurea nuda Ledeb. (GUID: ipni-242490-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Saussurea triangulata Trautv. & C.A.Mey. (GUID: ipni-242719-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Scorzoneroides autumnalis (L.) Moench (GUID: ipni-243480-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Senecio cannabifolius Less. (GUID: ipni-232800-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Senecio denalii A.Nelson (GUID: ipni-244803-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Tephrosieris lindstroemii A.Love & D.Love** according to **ALA** ; Comments: ALA Taxon List; ALA Taxon List Barkley 1999; Barkley, T. M. 1999. The segregates of Senecio, s.l., and Cacalia, s.l., in the flora of North America north of Mexico. FNA internal manuscript 13Feb1999.

Senecio eremophilus Richardson (GUID: ipni-244999-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Senecio eremophilus var. eremophilus (GUID: trop-2703128). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Senecio integerrimus Nutt. (GUID: ipni-245678-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Senecio integerrimus var. exaltatus (Nutt.) Cronquist (GUID: ipni-233303-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Senecio jacobaea L. (GUID: ipni-245719-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Senecio lugens Richardson (GUID: ipni-233455-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Senecio lugens Richardson in J. Franklin et al. (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Senecio pseudoarnica Less. (GUID: ipni-247086-1). In Alaska according to **ALA, PAF, ACCS, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Senecio pseudoarnica** Less. according to **ACCS** ; Comments: Panarctic Flora Checklist

Senecio serra Hook. (GUID: ipni-247562-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Senecio sylvaticus L. (GUID: ipni-247845-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Senecio triangularis Hook. (GUID: ipni-248014-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Senecio viscosus L. (GUID: ipni-248231-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Senecio vulgaris L. (GUID: ipni-143185-3). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Silybum marianum (L.) Gaertn. (GUID: ipni-91418-3). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Solidago canadensis L. (GUID: ipni-82456-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Solidago decumbens Greene (GUID: ipni-285354-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Solidago simplex** var. **simplex** Kunth according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Solidago simplex** var. **simplex** according to **FNA** ; Comments: FNA

Solidago lepida DC. (GUID: ipni-82470-3). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Solidago lepida var. **lepida** (GUID: trop-2725319). In Alaska according to **FNA, ACCS**. An *accepted name* according to **FNA, ACCS**.

Solidago multiradiata Aiton (GUID: ipni-249726-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Solidago multiradiata subsp. **arctica** (DC.) (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Solidago multiradiata subsp. **arctica** (DC.) Korobkov & Elven (GUID: ipni-77099631-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Solidago multiradiata subsp. **multiradiata** (GUID: trop-50326568). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Solidago multiradiata subsp. multiradiata Aiton (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Solidago multiradiata var. scopulorum A.Gray (GUID: ipni-240370-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Solidago multiradiata** Aiton according to FNA ; Comments: FNA

Solidago simplex Humb., Bonpl. & Kunth (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Solidago simplex Kunth (GUID: ipni-249886-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Solidago simplex var. simplex (GUID: trop-2744175). In Alaska according to FNA. An *accepted name* according to FNA.

Solidago simplex var. simplex Kunth (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Sonchus arvensis L. (GUID: ipni-250029-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Sonchus arvensis subsp. arvensis (GUID: trop-2703289). In Alaska according to ALA, FNA, ACCS. An *accepted name* according to ALA, FNA, ACCS.

Sonchus arvensis subsp. glabrescens Günth., Grab. & Wimm. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Sonchus asper (L.) Hill (GUID: ipni-1003017-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Sonchus oleraceus L. (GUID: ipni-152427-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Sonchus uliginosus M.Bieb. (GUID: ipni-250385-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Sonchus arvensis subsp. glabrescens** Günth., Grab. & Wimm. according to ACCS ;
Comments: Panarctic Flora Checklist

Stenotheca tristis (Willd. ex Spreng.) Schljakov (GUID: ipni-944881-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Stenotheca tristis Schljakov (GUID: trop-50338349). In Alaska according to ALA. An *accepted name* according to ALA.

Symphyotrichum boreale (Torr. & A.Gray) Á.Löve & D.Löve (GUID: ipni-247111-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Symphyotrichum ciliatum (Ledeb.) G.L.Nesom (GUID: ipni-1135508-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Symphyotrichum falcatum (Lindl.) G.L.Nesom (GUID: ipni-981817-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Symphyotrichum falcatum var. falcatum (GUID: trop-50112625). In Alaska according to FNA. An *accepted name* according to FNA.

Symphyotrichum falcatum var. falcatum (Lindl.) G.L. Nesom (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Symphotrichum foliaceum (Lindl. ex DC.) G.L.Nesom (GUID: ipni-981822-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Symphotrichum foliaceum var. foliaceum (GUID: trop-50113028). In Alaska according to FNA. An *accepted name* according to FNA.

Symphotrichum foliaceum var. foliaceum (Lindl. ex DC.) G.L. Nesom (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Symphotrichum pygmaeum (Lindl.) & Selliah (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Symphotrichum pygmaeum (Lindl.) Brouillet & Selliah (GUID: ipni-60439844-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Symphotrichum subspicatum (Nees) G.L.Nesom (GUID: ipni-981907-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Symphotrichum yukonense (Cronquist) G.L.Nesom (GUID: ipni-981920-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Tanacetum bipinnatum (L.) Sch. Bip. (GUID: trop-2701370). In Alaska according to ACCS, ALA, PAF. An *accepted name* according to ACCS, ALA, PAF.

Tanacetum bipinnatum (Linnaeus) Schultz-Bipontinus (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Tanacetum camphoratum Less. (GUID: ipni-249305-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Tanacetum huronense Nutt. (GUID: ipni-252358-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Tanacetum vulgare L. (GUID: ipni-252568-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Taraxacum alaskanum Rydb. (GUID: ipni-249489-2). In Alaska according to ALA, ACCS, PAF, FNA. An *accepted name* according to ALA, ACCS, PAF, FNA.

Taraxacum andersonii G.E.Haglund (GUID: ipni-252724-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Taraxacum angulatum G.E.Haglund (GUID: ipni-252734-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to FNA ; Comments: FNA

Taraxacum arctogenum Dahlst. (GUID: ipni-249503-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to FNA ; Comments: FNA

Taraxacum aureum G.E.Haglund (GUID: ipni-252831-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Taraxacum brachyceras Dahlst. (GUID: ipni-249509-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to FNA ; Comments: FNA
- Taraxacum carneoloratum A.Nelson** (GUID: ipni-252997-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Taraxacum ceratophorum** (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.
- Taraxacum ceratophorum (Ledeb.) DC.** (GUID: ipni-253012-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Taraxacum demissum G.E.Haglund** (GUID: ipni-249530-2). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Taraxacum erythrospermum Andrz. ex Besser** (GUID: ipni-249536-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Taraxacum eurylepium Dahlst.** (GUID: ipni-249537-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:
- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to FNA ; Comments: FNA
- Taraxacum fabbeanum G.E.Haglund** (GUID: ipni-253318-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.
- Taraxacum festivum G.E.Haglund** (GUID: ipni-249542-2). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Taraxacum hyparcticum Dahlst.** (GUID: ipni-249546-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Taraxacum hyperboreum Dahlst.** (GUID: ipni-249547-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:
- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to FNA ; Comments: FNA
- Taraxacum integratum G.E.Haglund** (GUID: ipni-249551-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:
- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to FNA ; Comments: FNA
- Taraxacum kamtschaticum Dahlst.** (GUID: trop-2711184). In Alaska according to ALA, ACCS. An *accepted name* according to ACCS. A *synonym* of:
- **Taraxacum alaskanum Rydb.** according to ALA ; Comments: FNA 19
 - **Taraxacum alaskanum Rydberg** according to FNA ; Comments: FNA
- Taraxacum lacerum** (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.
- Taraxacum lacerum Greene** (GUID: ipni-253712-1). In Alaska according to ALA, ACCS. An *accepted name* according to ACCS. A *synonym* of:
- **Taraxacum ceratophorum (Ledeb.) DC.** according to ALA ; Comments: FNA 19
 - **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to FNA ; Comments: FNA

Taraxacum lateritium (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Taraxacum lateritium Dahlst. (GUID: ipni-253760-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Taraxacum ceratophorum (Ledeb.) DC.** according to **ALA** ; Comments: FNA 19
- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to **FNA** ; Comments: FNA

Taraxacum leptopholis G.E.Haglund (GUID: ipni-253806-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Taraxacum lyngeanum G.E.Haglund (GUID: ipni-253908-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Taraxacum macilentum Dahlst. (GUID: ipni-253911-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Taraxacum mackenziense A.E.Porsild (GUID: ipni-249567-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to **FNA** ; Comments: FNA

Taraxacum macroceras (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Taraxacum maurolepium G.E.Haglund (GUID: ipni-249571-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to **FNA** ; Comments: FNA

Taraxacum officinale F.H.Wigg. (GUID: ipni-1003018-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Taraxacum pellianum A.E.Porsild (GUID: ipni-254288-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Taraxacum ceratophorum (Ledebour) de Candolle in A. P. de Candolle and A. L. P. P. de Candolle** according to **FNA** ; Comments: FNA

Taraxacum phymatocarpum (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Taraxacum phymatocarpum J.Vahl (GUID: ipni-254323-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Taraxacum pseudoalaskanum Jurtzev (GUID: ipni-998778-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Taraxacum alaskanum Rydb.** according to **ALA** ; Comments: Elven, R. et al. 2003

Taraxacum pseudokamtschaticum Jurtzev (GUID: ipni-998780-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Taraxacum alaskanum Rydb.** according to **ALA** ; Comments: FNA 19
- **Taraxacum alaskanum Rydberg** according to **FNA** ; Comments: FNA

Taraxacum pumilum Dahlst. (GUID: ipni-254516-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Taraxacum phymatocarpum J. Vahl** according to ACCS ; Comments: Panarctic Flora Checklist

Taraxacum scotostigma G.E.Haglund (GUID: ipni-249609-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Taraxacum sibiricum Dahlst. (GUID: ipni-254732-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Taraxacum signatum G.E.Haglund (GUID: ipni-249610-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Taraxacum speirodon G.E.Haglund (GUID: ipni-249612-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Taraxacum sublacerum G.E.Haglund (GUID: ipni-249613-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Taraxacum trigonolobum Dahlst. (GUID: ipni-254999-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Tephroseris atropurpurea (Ledeb.) Holub (GUID: ipni-255201-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Tephroseris frigida (Richardson) Holub (GUID: ipni-255219-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Tephroseris kjellmanii (A.E.Porsild) Holub (GUID: ipni-255232-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Tephroseris lindstroemii (Ostenf.) Á.Löve & D.Löve (GUID: ipni-250309-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Tephroseris palustris (L.) Rchb. (GUID: ipni-1160379-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Tephroseris palustris subsp. congesta (R.Br.) Holub (GUID: ipni-878452-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Tephroseris palustris (Linnaeus) Reichenbach** according to FNA ; Comments: FNA

Tephroseris subfrigida Holub (GUID: trop-2732377). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Tephroseris tundricola (Tolm.) Holub (GUID: ipni-255269-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Tephroseris yukonensis (A.E.Porsild) Holub (GUID: ipni-255274-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Townsendia hookeri Beaman (GUID: ipni-255885-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Tragopogon dubius Scop. (GUID: ipni-91269-3). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Tripleurospermum inodorum (L.) Sch.Bip. (GUID: ipni-1047010-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Tripleurospermum inodorum (Linnaeus) Schultz-Bipontinus (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Tripleurospermum maritimum (L.) W.D.J.Koch (GUID: ipni-1085552-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Tripleurospermum maritimum subsp. phaeocephalum (Rupr.) Hamet-Ahti (GUID: trop-2731890). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Xanthium strumarium L. (GUID: ipni-129449-3). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Athyriaceae

Athyrium alpestre subsp. americanum (Butters) Lellinger (GUID: ipni-17520510-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Athyrium distentifolium subsp. americanum (Butters) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist
- **Athyrium alpestre var. americanum Butters** according to FNA ; Comments: FNA

Athyrium alpestre var. americanum Butters (GUID: ipni-26097-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Athyrium alpestre subsp. americanum (Butters) Lellinger** according to ALA ; Comments: FNA 2; Flora of North America Editorial Committee. 1993. Flora of North America vol. 2. Oxford Univ. Press, New York
- **Athyrium distentifolium subsp. americanum (Butters) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Athyrium distentifolium Tausch ex Opiz (GUID: ipni-30045965-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Athyrium distentifolium subsp. americanum (Butters) Hultén (GUID: ipni-60456492-2). In Alaska according to ALA, ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Athyrium alpestre subsp. americanum (Butters) Lellinger** according to ALA ; Comments:
- **Athyrium alpestre var. americanum Butters** according to FNA ; Comments: FNA

Athyrium filix-femina (L.) Roth (GUID: ipni-17372750-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Athyrium filix-femina subsp. cyclosorum (Rupr.) C.Chr. in Hultén (GUID: ipni-26137-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Athyrium filix-femina var. cyclosorum Ruprecht** according to FNA ; Comments: FNA

Athyrium filix-femina var. cyclosorum Rupr. (GUID: trop-26614098). In Alaska according to ALA, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Athyrium filix-femina subsp. cyclosorum (Rupr.) C.Chr.** according to ALA ; Comments:
- **Athyrium filix-femina subsp. cyclosorum (Rupr.) C. Chr.** according to PAF ; Comments:

Balsaminaceae

Impatiens glandulifera Royle (GUID: ipni-374110-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Impatiens noli-tangere L. (GUID: ipni-374246-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Betulaceae

Alnus glutinosa (L.) Gaertn. (GUID: ipni-30036759-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Alnus incana (L.) Moench (GUID: ipni-30106706-2). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Alnus incana subsp. tenuifolia (Nutt.) Breitung (GUID: ipni-9425-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Alnus rubra Bong. (GUID: ipni-294986-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Alnus viridis (Chaix) DC. (GUID: ipni-295013-1). In Alaska according to ACCS. An *accepted name* according to ACCS, ALA. A *synonym* of:

- **Alnus alnobetula** (Ehrh.) K.Koch according to WCSP ; Comments: WCSP

Alnus viridis subsp. crispa (Chaix) DC. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Alnus viridis subsp. fruticosa (Rupr.) Nyman (GUID: ipni-60439139-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Alnus alnobetula subsp. fruticosa** (Rupr.) Raus according to WCSP ; Comments: WCSP

Alnus viridis subsp. sinuata (Regel) Á.Löve & D.Löve (GUID: ipni-9472-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Alnus alnobetula subsp. sinuata** (Regel) Raus according to WCSP ; Comments: WCSP

Betula glandulosa Michx. (GUID: ipni-295091-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Betula hybrids (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Betula kenaica W.H.Evans (GUID: ipni-32152-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Betula nana L. (GUID: ipni-301322-2). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Betula nana subsp. exilis (Sukaczew) Hultén (GUID: ipni-1049864-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Betula neoalaskana Sarg. (GUID: ipni-107841-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Betula occidentalis Hook. (GUID: ipni-295159-1). In Alaska according to ALA, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Betula hybrids** according to **ALA** ; Comments: ALA Taxon List; ALA Taxon List; ALA Taxon List

Betula papyrifera Marshall (GUID: ipni-107851-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, FNA**. A *synonym* of:

- **Betula neoalaskana** Sarg. according to **ACCS** ; Comments: Panarctic Flora Checklist

Betula pendula Roth (GUID: ipni-32223-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Blechnaceae

Blechnum spicant (L.) Roth (GUID: ipni-17267490-1). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Blechnum spicant (L.) Sm. (GUID: ipni-60440508-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Boraginaceae

Amsinckia lycopsoides Lehm. (GUID: ipni-112029-3). In Alaska according to **ACCS, ALA, PAF**. An *accepted name* according to **ACCS, ALA, PAF**.

Amsinckia menziesii (Lehm.) A. Nelson & J.F. Macbr. (GUID: trop-4000778). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA, WCSP**.

Asperugo procumbens L. (GUID: ipni-113506-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Borago officinalis L. (GUID: ipni-58249-3). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Cryptantha fendleri (A. Gray) Greene (GUID: trop-4000845). In Alaska according to **ACCS**. An *accepted name* according to **ACCS, WCSP**.

Cryptantha shackletteana Higgins (GUID: ipni-114873-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cryptantha shackletteana L.C.Higgins (GUID: kew-2745737). In Alaska according to **ALA**. An *accepted name* according to **ALA, WCSP**.

Cryptantha spiculifera (Piper) Payson (GUID: trop-4000909). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Cryptantha shackletteana** Higgins according to **ACCS** ; Comments: D.F. Murray

Cryptantha torreyana (A. Gray) Greene (GUID: trop-4000916). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA, WCSP**.

Eritrichium aretioides (Cham.) A.DC. (GUID: kew-2797662). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Eritrichium aretioides var. **aretioides** (GUID: NULL). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Eritrichium aretioides var. **aretioides** (Cham.) A. DC. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Eritrichium aretioides var. chamissonis (DC.) V.V.Petrovsky (GUID: kew-2797663). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Eritrichium splendens Kearney (GUID: ipni-96153-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eritrichium splendens Kearney ex W. Wight (GUID: trop-4000929). In Alaska according to ALA. An *accepted name* according to ALA, WCSP.

Eritrichium tschuktschorum Jurtzev & V.V.Petrovsky (GUID: ipni-896473-1). In Alaska according to PAF. An *accepted name* according to PAF.

Eritrichium villosum (Ledeb.) Bunge (GUID: trop-4000123). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Eritrichium villosum subsp. villosum (Ledeb.) Bunge (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Hackelia deflexa Opiz (GUID: ipni-116521-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Hackelia deflexa var. americana (A.Gray) Fernald & I.M.Johnst. (GUID: ipni-1107521-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Hackelia jessicae (E.A.McGregor) Brand (GUID: ipni-116536-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Lappula deflexa (Wahlenb.) Garcke (GUID: trop-50039994). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Hackelia deflexa var. americana (A. Gray) Fernald & I.M. Johnst.** according to ACCS ;
Comments: ITIS

Lappula occidentalis (S.Watson) Greene (GUID: ipni-1034946-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Lappula occidentalis var. occidentalis (S. Watson) Greene (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Lappula squarrosa (Retz.) Dumort. (GUID: trop-4000035). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Mertensia drummondii (Lehm.) G.Don (GUID: ipni-1126069-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Mertensia eastwoodiae J.F.Macbr. (GUID: ipni-1117688-2). In Alaska according to ALA, PAF, ACCS, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Mertensia eastwoodiae J.F. Macbr.** according to ACCS ; Comments: Panarctic Flora Checklist

Mertensia maritima (L.) Gray (GUID: ipni-118618-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS, ALA.

Mertensia maritima subsp. asiatica Takeda (GUID: trop-4001010). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Mertensia maritima subsp. tenella (Th.Fr.) Elven (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Mertensia maritima subsp. tenella (Th.Fr.) Elven & Skarpaas (GUID: ipni-77078137-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Mertensia maritima var. tenella** Th. Fr. according to ACCS ; Comments: Panarctic Flora Checklist

Mertensia maritima var. tenella Th. Fr. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Mertensia maritima subsp. tenella** (Th. Fr.) Elven & Skarpaas according to PAF ; Comments: Nearly all arctic specimens inspected (ALA, CAN, DAO, O, S) from areas outside mainland Europe and Iceland conform to subsp. [tenella].

Mertensia paniculata (Aiton) G.Don (GUID: ipni-30379049-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Myosotis alpestris auct. non F.W. Schmidt (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Myosotis alpestris subsp. asiatica Vestergr. (GUID: kew-2377002). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Myosotis asiatica** (Vestergr.) Schischk. & Serg. according to WCSP ; Comments: WCSP

Myosotis palustris L. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Myosotis scorpioides L. (GUID: ipni-150625-3). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, WCSP, ACCS.

Myosotis sylvatica Ehrh. ex Hoffm. (GUID: trop-4001323). In Alaska according to ACCS. An *accepted name* according to ACCS.

Nemophila menziesii Hook. & Arn. (GUID: ipni-432472-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Phacelia franklinii (R. Br.) A. Gray (GUID: trop-16200006). In Alaska according to ACCS, ALA. An *accepted name* according to ACCS, ALA.

Phacelia mollis J.F.Macbr. (GUID: ipni-432694-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Phacelia sericea (Graham) A. Gray (GUID: trop-16200029). In Alaska according to ACCS. An *accepted name* according to ACCS.

Plagiobothrys figuratus I.M. Johnst. ex M. Peck (GUID: trop-4001051). In Alaska according to ACCS. An *accepted name* according to ACCS.

Plagiobothrys figuratus subsp. figuratus (Piper) I.M. Johnst. ex M. Peck (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Plagiobothrys hirtus (Greene) I.M. Johnst. (GUID: ipni-201061-2). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Plagiobothrys figuratus subsp. figuratus** (Piper) I.M. Johnst. ex M. Peck according to ACCS ; Comments: ACCS Non-native List

Plagiobothrys hirtus var. figuratus (Piper) I.M. Johnst. (GUID: trop-4001592). In Alaska according to ACCS, ALA. An *accepted name* according to ALA. A *synonym* of:

- **Plagiobothrys figuratus subsp. figuratus** (Piper) I.M. Johnst. ex M. Peck according to ACCS ; Comments: ACCS Non-native List

Plagiobothrys orientalis I.M.Johnst. (GUID: ipni-120257-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Plagiobothrys scouleri I.M.Johnst. (GUID: ipni-120277-1). In Alaska according to ALA. An *accepted name* according to ALA.

Romanzoffia sitchensis Bong. (GUID: ipni-432833-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Romanzoffia unalascensis Cham. (GUID: ipni-432837-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Symphytum asperum Lepechin (GUID: trop-4000086). In Alaska according to ACCS. An *accepted name* according to ACCS.

Symphytum officinale L. (GUID: ipni-120815-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Brassicaceae

Alliaria petiolata (M.Bieb.) Cavara & Grande (GUID: ipni-1176324-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Alyssum alyssoides (L.) L. (GUID: ipni-107514-3). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Alyssum obovatum (C. A. Meyer) Turczaninow (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Alyssum obovatum (C.A.Mey.) Turcz. (GUID: ipni-277677-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Aphragmus eschscholtzianus Andr. ex DC. (GUID: trop-4102278). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, ACCS, ALA, WCSP, FNA.

Arabidopsis kamchatica (Fisch. ex DC.) K.Shimizu & Kudoh (GUID: ipni-77071243-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Arabidopsis lyrata (L.) O'Kane & Al-Shehbaz (GUID: ipni-997558-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Arabidopsis kamchatica** (Fisch. ex DC.) K. Shimizu & Kudoh according to ACCS ;
Comments: Panarctic Flora Checklist

Arabidopsis lyrata subsp. **kamchatica** (Fisch. ex DC.) O'Kane & Al-Shehbaz (GUID: ipni-997559-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, FNA. A *synonym* of:

- **Arabidopsis kamchatica** (Fisch. ex DC.) K. Shimizu & Kudoh according to PAF ; Comments: Reports of [*Arabidopsis lyrata*] from the Murman area in northwestern European Russia (Pissjaukova 1956) have been excluded as probably based on misidentified [*A. arenosa*]. O'Kane and Al-Shehbaz (1997) circumscribed [*A. lyrata*] broadly with three subspecies: the non-arctic eastern North American subsp. [*lyrata*] (described from eastern Canada, leg. Kalm), the amphipacific/Beringian subsp. [*kamchatica*], and the nearly circumpolar arctic-alpine subsp. [*petrata*] (incl. ['septentrionalis'] and ['umbrosa']). For the last-mentioned taxon, see below. Based on field experiences with most of the taxa (['kamchatica'], ['petraea'], ['septentrionalis'], ['umbrosa']), we are reluctant to see them only as races of one species, and especially the three last-mentioned ones as a single race (subsp. [*petraea*]). We see some morphological differences

(and some ploidy difference) and little or no intergradation. Al-Shehbaz commented that he found no differences. There may be a conflict between evidence from molecular markers and phylogenetic approaches on one side, and from the combined morphological, ecological, and phytogeographical pattern on the other side. For botanists working with the plants in the field and collections and for practical biodiversity concerns, the latter sources of information are important, and also for this Checklist. Mulligan commented that he would prefer the tetraploid [A. kamchatica] accepted as a species apart from the diploid eastern North American [A. lyrata]. Petrovsky commented that he would prefer it as a subspecies of [A. lyrata]. Al-Shehbaz (2010b) followed the same course. We enter a species due to Mulligan's view as the distinction of [A. kamchatica] from [A. lyrata] is a North American problem and as there is a ploidy difference. [Arabidopsis kamchatica] might be an allotetraploid with [A. lyrata] as one parent and an Asian species as the other (Shimizu et al. 2005).

- **Arabidopsis kamchatica (Fisch. ex DC.) K. Shimizu & Kudoh** according to ACCS ; Comments: Panarctic Flora Checklist

Arabidopsis lyrata subsp. lyrata (GUID: NULL). In Alaska according to FNA. An *accepted name* according to ALA, FNA.

Arabidopsis lyrata subsp. petraea (L.) O'Kane & Al-Shehbaz (GUID: ipni-997560-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Arabidopsis petraea (L.) V. I. Dorof.** according to ALA ; Comments: Elven, R. et al. 2003
- **Arabidopsis petraea (L.) V.I. Dorof.** according to PAF ; Comments: The combination [Arabidopsis petraea] (L.) Kolnik & Marhold, Willdenowia 33: 70 (2003) is superfluous. Elven and Murray: O'Kane and Al-Shehbaz (1997) assigned [Arabidopsis petraea] as a subspecies of [A. lyrata] (see also [A. kamchatica] above). Tolmachev (1975c) considered the arctic Russian material as two subspecies of [A. petraea]. Doronkin (1994) accepted only a collective [A. petraea] and reported a much more narrow range than other authors (one 'dot' in Taimyr, along the Lena River, and just into the Yana-Kolyma region east of Tiksi Bay). We have looked at herbarium material of the three proposed taxa - ['petraea'], ['septentrionalis'], ['umbrosa'] - and have also studied all three in the field in Europe, Siberia, Alaska, and the Yukon Territory. These three are allopatric to parapatric with ['umbrosa'] in northwestern North America and northern-northeastern Asia (slightly overlapping with the next), ['septentrionalis'] in northern Asia and northeastern Europe, and ['petraea'] in northwestern and central Europe. There are other, non-arctic taxa in the group. We feel able to recognize the arctic taxa on the morphological criteria reported by Russian authors and we have not seen transitional forms. They differ in a few morphological characters from [A. lyrata] and [A. kamchatica] and intermediates are not seen there either. From morphological evidence, the choice is probably between three species or three allopatric to parapatric subspecies of [A. petraea]. We do therefore not yet agree with the proposed reduction of these three to one subspecies of [A. lyrata], as proposed by O'Kane and Al-Shehbaz (1997). Pending a combined molecular and morphological investigation of the entire aggregate, and application of molecular markers that can resolve specific-subspecific variation in recently evolved taxa, we propose to treat them as three subspecies (this was supported by Yurtsev). There are other opinions. Some authors have included the North Atlantic and European taxa in an extended [Arabidopsis petraea] and the Asian and North American ones in an extended [Arabis arenicola]. We do not support that view and consider [Arabidopsis arenicola] different, even if it is close to [A. lyrata] in ITS markers (Warwick et al. 2006).
- **Arabidopsis petraea subsp. umbrosa (Turcz. ex Steud.) Elven & D.F. Murray** according to ACCS ; Comments: Panarctic Flora Checklist

Arabidopsis petraea (L.) V.I.Dorof. (GUID: ipni-20011595-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Arabidopsis petraea subsp. umbrosa (Turcz. ex Steud.) Elven & D.F. Murray** according to

ACCS ; Comments: Panarctic Flora Checklist

Arabidopsis petraea subsp. umbrosa (Turcz. ex Steud.) Elven & D.F.Murray (GUID: ipni-77099616-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Arabidopsis lyrata subsp. kamchatica (Fisch. ex DC.) O'Kane & Al-Shehbaz** according to WCSP ; Comments: WCSP

Arabis alpina L. (GUID: ipni-277992-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Arabis calderi G.A.Mulligan (GUID: ipni-988351-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Boechea calderi (G.A.Mulligan) Windham & Al-Shehbaz** according to WCSP ; Comments: WCSP
- **Boechea calderi (G.A. Mulligan) Windham & Al-Shehbaz** according to ACCS ; Comments: Flora of North America

Arabis caucasica Willd. (GUID: ipni-278095-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Arabis alpina L.** according to ACCS ; Comments: Flora of North America

Arabis drepanoloba Greene (GUID: ipni-278184-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Boechea lemmonii var. drepanoloba (Greene) Dorn** according to WCSP ; Comments: WCSP
- **Boechea drepanoloba (Greene) Windham & Al-Shehbaz** according to ACCS ; Comments: Flora of North America
- **Boechea drepanoloba (Greene) Windham & Al-Shehbaz** according to FNA ; Comments: FNA

Arabis eschscholtziana Andrz. (GUID: ipni-1130101-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Arabis hirsuta var. pycnocarpa (M.Hopkins) Rollins (GUID: ipni-17051-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Arabis pycnocarpa M. Hopkins** according to PAF ; Comments: Rollins (1993) and Cody (1996) treated [*Arabis pycnocarpa*] as a variety of [*A. hirsuta*]. It seems to be a major North American race (var./subsp. [*pycnocarpa*] or species [*A. pycnocarpa*]), vicariant to the Eurasian [*A. hirsuta*], see Al-Shehbaz (2010a) for a discussion. The name [*A. borealis*], sometimes applied for the North American plants, belongs to a Eurasian species, see Excluded taxa.
- **Arabis pycnocarpa var. pycnocarpa M. Hopkins** according to ACCS ; Comments: Flora of North America

Arabis lemmonii S.Watson (GUID: ipni-278356-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Boechea lemmonii (S.Watson) W.A.Weber** according to WCSP ; Comments: WCSP
- **Boechea lemmonii (S. Watson) W.A. Weber** according to ACCS ; Comments: Flora of North America
- **Boechea lemmonii (S. Watson) W. A. Weber** according to FNA ; Comments: FNA

Arabis media N.Busch (GUID: ipni-278398-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Arabidopsis lyrata subsp. petraea (L.) O’Kane & Al-Shehbaz** according to **WCSP** ;
Comments: WCSP
- **Arabidopsis petraea subsp. umbrosa (Turcz. ex Steud.) Elven & D.F. Murray** according to **PAF** ; Comments: Subspecies [septentrionalis] and subsp. [umbrosa] share most of their morphological features but are, as far as observed (herbarium, field in northern Yakutia), non-overlapping morphologically in the area of sympatry in northern Siberia. There may be a ploidy difference as the two only counts originating from within the certain range of subsp. [septentrionalis] are of tetraploids, whereas those from within the range of subsp. [umbrosa] are of diploids.
- **Arabidopsis petraea subsp. umbrosa (Turcz. ex Steud.) Elven & D.F. Murray** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Arabidopsis lyrata subsp. petraea (Linnaeus) O’Kane & Al-Shehbaz** according to **FNA** ;
Comments: FNA

Arabis petraea subsp. umbrosa (Turcz.) Tolm. (GUID: ipni-919275-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Arabidopsis petraea subsp. umbrosa (Turcz. ex Steud.) Elven & D.F. Murray** according to **ACCS** ; Comments: Panarctic Flora Checklist

Arabis pycnocarpa M.Hopkins (GUID: ipni-17206-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF**. A *synonym* of:

- **Arabis hirsuta var. pycnocarpa (M.Hopkins) Rollins** according to **WCSP** ; Comments: WCSP
- **Arabis pycnocarpa var. pycnocarpa M. Hopkins** according to **ACCS** ; Comments: Flora of North America

Arabis pycnocarpa var. pycnocarpa (GUID: trop-50111742). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Arabis pycnocarpa var. pycnocarpa M. Hopkins (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Armoracia rusticana G.Gaertn., B.Mey. & Scherb. (GUID: ipni-278747-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Aurinia saxatilis (L.) Desv. (GUID: trop-4102096). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Barbarea orthoceras Ledeb. (GUID: ipni-278881-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Barbarea verna (Mill.) Asch. (GUID: ipni-1109261-2). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Barbarea vulgaris W.T.Aiton (GUID: ipni-154548-3). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Berteroa incana (L.) DC. (GUID: trop-4100058). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Boechera angustifolia (Nutt.) Dorn (GUID: ipni-1056657-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Boechera stricta (Graham) Al-Shehbaz** according to **ACCS** ; Comments: Flora of North America

Boechera calderi (G.A.Mulligan) Windham & Al-Shehbaz (GUID: ipni-60445602-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Boechera collinsii (Fernald) Á.Löve & D.Löve (GUID: ipni-34082-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Boechera grahamii (Lehm.) Windham & Al-Shehbaz** according to ACCS ; Comments: Flora of North America

Boechera divaricarpa (A.Nelson) Á.Löve & D.Löve (GUID: ipni-34085-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP, ALA, ACCS.

Boechera drepanoloba (Greene) Windham & Al-Shehbaz (GUID: ipni-60445607-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA. A *synonym* of:

- **Boechera lemmonii var. drepanoloba (Greene) Dorn** according to WCSP ; Comments: WCSP

Boechera drummondii (A.Gray) Á.Löve & D.Löve (GUID: ipni-279165-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Boechera stricta (Graham) Al-Shehbaz** according to WCSP ; Comments: WCSP
- **Boechera stricta (Graham) Al-Shehbaz** according to PAF ; Comments: [Boechera stricta] is a sexual species involved in the parentage of at least 15 apomictic [Boechera] species (according to Al-Shehbaz and Windham 2010).
- **Boechera stricta (Graham) Al-Shehbaz** according to ACCS ; Comments: Flora of North America

Boechera grahamii (Lehm.) Windham & Al-Shehbaz (GUID: ipni-77085399-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, WCSP, FNA. A *synonym* of:

- **Boechera divaricarpa (A. Nelson) Á. Löve & D. Löve** according to ACCS ; Comments: Flora of North America

Boechera holboellii (Hornem.) Á.Löve & D.Löve (GUID: ipni-1137585-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Boechera retrofracta (Graham) Á. Löve & D. Löve** according to ACCS ; Comments: Flora of North America

Boechera holboellii var. secunda (Howell) Dorn (GUID: ipni-1047370-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Boechera retrofracta (Graham) Á. Löve & D. Löve** according to ACCS ; Comments: Flora of North America
- **Boechera retrofracta (Graham) Á. Löve & D. Löve** according to FNA ; Comments: FNA

Boechera lemmonii (S.Watson) W.A.Weber (GUID: ipni-34092-2). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Boechera lemmonii var. drepanoloba (Greene) Dorn (GUID: ipni-1051617-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Boechera drepanoloba (Greene) Windham & Al-Shehbaz** according to ACCS ; Comments: Flora of North America

Boechera lyallii (S.Watson) Dorn (GUID: ipni-1214949-2). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Boechera retrofracta (Graham) Á.Löve & D.Löve (GUID: ipni-34099-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to WCSP, ALA, ACCS, FNA.

Boechera stricta (Graham) Al-Shehbaz (GUID: ipni-50426386-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, WCSP, ACCS, FNA.

Brassica juncea (L.) Czern. (GUID: ipni-60442520-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Brassica napus L. (GUID: ipni-279419-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Brassica nigra (L.) W.D.J.Koch (GUID: ipni-72281-3). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Brassica rapa L. (GUID: ipni-279485-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Brassica rapa subsp. campestris (L.) A.R.Clapham (GUID: ipni-60452353-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**. A *synonym* of:

- **Brassica rapa L.** according to **WCSP** ; Comments: **WCSP**

Braya glabella Richardson (GUID: ipni-36243-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Braya glabella subsp. glabella (GUID: trop-50292769). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, FNA**.

Braya glabella subsp. glabella Richardson (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Braya glabella subsp. purpurascens (R.Br.) Cody (GUID: ipni-980212-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Braya purpurascens (R.Br.) Bunge ex Ledeb.** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Braya glabella Richardson** according to **WCSP** ; Comments: **WCSP**

Braya humilis (C.A.Mey.) B.L.Rob. (GUID: ipni-36247-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Braya humilis subsp. arctica (Böcher) Rollins (GUID: ipni-36250-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Braya humilis (C.A.Mey.) B.L.Rob.** according to **ALA** ; Comments: **FNA vol. 7**

Braya humilis subsp. humilis (GUID: trop-4102472). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, FNA**.

Braya humilis subsp. humilis (C.A. Mey.) B.L. Rob. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Braya humilis subsp. porsildii J.G.Harris (GUID: ipni-60446009-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Braya humilis subsp. richardsonii (Rydb.) Hultén (GUID: ipni-36257-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Braya humilis (C.A.Mey.) B.L.Rob.** according to **ALA** ; Comments: **FNA vol. 7**

Braya pilosa Hook. (GUID: ipni-36271-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, WCSP, ACCS**.

Braya purpurascens (R. Br.) Bunge ex Ledeb. (GUID: trop-4100375). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Braya glabella subsp. purpurascens (R. Br.) Cody** according to **PAF** ; Comments: Elven and Murray: Porsild and Cody (1980) accepted [Braya henryae] albeit with some doubts: ‘perhaps should be considered a geographical race . . . [of [B. purpurascens]]; thus far it is known only from the eastern slope of Richardson and Mackenzie Mountains’. Harris (1985), Rollins (1993), and Warwick et al. (2003b) all merged it with [B. glabella]. Plants conforming to the description of [B. henryae] are fairly frequent in the mountains of central Alaska and the Yukon Territory (ALA). They differ from subsp. [purpurascens] in the Arctic in a few quantitative characters only but more from the sympatric subsp. [glabella]. We provisionally place the name in synonymy of [B. glabella] subsp. [purpurascens]. Some combined morphological and low taxonomic level molecular investigation should be undertaken before the appropriate rank of this plant, possibly as a northern Cordilleran subspecies, is decided.
- **Braya glabella Richardson** according to **WCSP** ; Comments: WCSP
- **Braya glabella subsp. purpurascens (R. Br.) Cody** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Braya glabella subsp. purpurascens (R. Brown) W. J. Cody** according to **FNA** ; Comments: FNA

Cakile edentula (Bigelow) Hook. (GUID: ipni-279797-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Cakile edentula subsp. californica (A.Heller) Hultén (GUID: ipni-40232-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Cakile edentula (Bigelow) Hook.** according to **WCSP** ; Comments: WCSP
- **Cakile edentula subsp. edentula (Bigelow) Hook.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Cakile edentula var. edentula** according to **FNA** ; Comments: FNA

Cakile edentula subsp. edentula Hook. (GUID: ipni-118528-3). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cakile edentula var. edentula (GUID: trop-4102726). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Camelina sativa (L.) Crantz (GUID: ipni-145187-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Capsella bursa-pastoris (L.) Medik. (GUID: ipni-151841-3). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Capsella rubella Reut. (GUID: ipni-280061-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Capsella bursa-pastoris (L.) Medik.** according to **ALA** ; Comments: FNA vol. 7
- **Capsella bursa-pastoris (L.) Medik.** according to **ACCS** ; Comments: Flora of North America

Cardamine angulata Hook. (GUID: ipni-280145-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Cardamine bellidifolia L. (GUID: ipni-280178-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Cardamine bellidifolia subsp. bellidifolia L. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cardamine blaisdellii Eastw. (GUID: ipni-280186-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Cardamine microphylla var. blaisdellii (Eastw.) Khatri** according to **WCSP** ; Comments: WCSP

Cardamine digitata Richardson (GUID: ipni-280274-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Cardamine digitata Richardson in J. Franklin (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Cardamine microphylla Adams (GUID: ipni-280481-1). In Alaska according to **ALA, PAF, FNA, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, FNA, ACCS**.

Cardamine nymanii Gand. (GUID: ipni-280529-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Cardamine polemonioides Rouy** according to **PAF** ; Comments: The question has been asked (e.g., by Petrovsky) whether there is one or more high-arctic taxa of the [*Cardamine pratensis*] group. Three names are relevant, all indubitably referring to arctic plants: Hooker's var. [*angustifolia*] based on plants from Southampton Island in Nunavut, Canada; Gandoger's [*C. nymanii*] on plants from Svalbard; and Rouy's [*C. polemonioides*] on plants from 'Spitzbergen' [= Svalbard], Novaya Zemlya, and Iceland. In the two first regions only a high-arctic taxon of the [*C. pratensis*] group is known, in the last-mentioned area an arctic taxon is the one certainly native and perhaps the only one. The reported chromosome numbers concentrate at two levels. Numbers of $2n = 56, 64$ (and 68) are reported from Hudson Bay, Greenland, Svalbard, Iceland, Fennoscandia, and northern Russia, i.e., the broadly amphi-Atlantic regions. Numbers of $2n = 80-100$ are reported from Chukotka, Alaska, and Hudson Bay, i.e., the broadly amphi-Beringian and North American regions. Both levels are reported from the Hudson Bay area from where subsp. [*angustifolia*] was described, whereas the lower level only is reported from the type areas of [*C. nymanii*] and [*C. polemonioides*]. The ploidy levels might suggest some difference between the plants in the broadly considered amphi-Atlantic and amphi-Beringian regions, perhaps with those in the amphi-Beringian regions as most derived from the assumed European low-ploid origin. Petrovsky commented that [*C. polemonioides*] can be merged with subsp. [*angustifolia*] only if the former taxon was described from arctic America; otherwise, both taxa should be considered separately along with [*C. dentata*]. As stated above, the name [*C. polemonioides*] is of European origin. We have compared plants from arctic Europe (Norway, Svalbard, Iceland), Siberia (Yakutia, Chukotka), Greenland, and arctic North America, in the field and in herbaria. Some of the North American plants named as subsp. [*angustifolia*] have narrower leaflets than the majority of the Eurasian ones but similar plants occur also on the European side, e.g. in the mountains of northern Scandinavia (Lökvist 1956, 1957; Nilsson 1986: 106), and plants with broader leaflets, indistinguishable from the ones in Svalbard, Scandinavia, and Siberia, are frequent in arctic Canada and Alaska. We therefore provisionally assume that there is only one major arctic taxon. If two taxa are accepted, the plants of Chukotka and North America east to Hudson Bay belong to subsp. [*angustifolia*] (and perhaps some farther east, e.g., in northern Scandinavia), whereas at least the large majority of those from Hudson Bay eastwards across Greenland and northern Europe to northern Siberia belong to [*C. polemonioides*]. European authors have often applied the combination [*C. pratensis*] subsp. [*polemonioides*] Rouy (e.g., Jones and Marhold 1993). As far as we can see from the original text, Rouy in Rouy and Foucaud (1893) described [*C. polemonioides*] as a species. How it became a subspecies in later works (including *Flora Europaea*), we do not know. The name [*C. polemonioides*] has priority if the taxon is accepted as a species. Al-Shehbaz et al. (2010b) applied the name [*C. nymanii*].
- **Cardamine pratensis subsp. polemonioides Rouy** according to **WCSP** ; Comments: WCSP
- **Cardamine polemonioides Rouy** according to **ACCS** ; Comments: Panarctic Flora Checklist

Cardamine occidentalis (S. Watson) Howell (GUID: trop-4102254). In Alaska according to FNA. An *accepted name* according to FNA.

Cardamine occidentalis (S. Watson ex B.L. Rob.) Howell (GUID: kew-2700177). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Cardamine oligosperma var. kamtschatica (Regel) Detling (GUID: trop-4102506). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Cardamine umbellata Greene** according to PAF ; Comments: Mulligan and Petrovsky: [Cardamine oligosperma] Nutt. ex Torr. & A. Gray and [C. umbellata] should be accepted as two species. The former is annual-biennial, Cordilleran (non-arctic), and diploid ($2n = 16$; Mulligan 1965a, Taylor and Mulligan 1968). The latter is perennial, amphi-Beringian, and tetraploid and hexaploid (see above). Transitions are unknown. Also Taylor and Mulligan (1968) argued for two species, in opposition to Hitchcock et al. (1964) who treated them as varieties. Elven: Molecular data (Lihová et al. 2006) show that [C. umbellata] represents a separate lineage, more closely related to New Zealand species, and should not be merged with [C. oligosperma]. However, [C. oligosperma] might be part of its parentage.
- **Cardamine umbellata Greene** according to ACCS ; Comments: Panarctic Flora Checklist
- **Cardamine umbellata Greene** according to FNA ; Comments: FNA

Cardamine pennsylvanica Muhl. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Cardamine pensylvanica Muhl. ex Willd. (GUID: ipni-280567-1). In Alaska according to ACCS, ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA. A *synonym* of:

- **Cardamine pensylvanica Muhl. ex Willd.** according to ACCS ; Comments: Panarctic Flora Checklist

Cardamine polemonioides Rouy (GUID: ipni-280581-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Cardamine pratensis subsp. polemonioides Rouy** according to WCSP ; Comments: WCSP

Cardamine pratensis subsp. angustifolia (Hook.) O.E. Schulz (GUID: trop-4102456). In Alaska according to ACCS, ALA. An *accepted name* according to ALA. A *synonym* of:

- **Cardamine polemonioides Rouy** according to PAF ; Comments: The question has been asked (e.g., by Petrovsky) whether there is one or more high-arctic taxa of the [Cardamine pratensis] group. Three names are relevant, all indubitably referring to arctic plants: Hooker's var. [angustifolia] based on plants from Southampton Island in Nunavut, Canada; Gandoger's [C. nymanii] on plants from Svalbard; and Rouy's [C. polemonioides] on plants from 'Spitzbergen' [= Svalbard], Novaya Zemlya, and Iceland. In the two first regions only a high-arctic taxon of the [C. pratensis] group is known, in the last-mentioned area an arctic taxon is the one certainly native and perhaps the only one. The reported chromosome numbers concentrate at two levels. Numbers of $2n = 56, 64$ (and 68) are reported from Hudson Bay, Greenland, Svalbard, Iceland, Fennoscandia, and northern Russia, i.e., the broadly amphi-Atlantic regions. Numbers of $2n = 80-100$ are reported from Chukotka, Alaska, and Hudson Bay, i.e., the broadly amphi-Beringian and North American regions. Both levels are reported from the Hudson Bay area from where subsp. [angustifolia] was described, whereas the lower level only is reported from the type areas of [C. nymanii] and [C. polemonioides]. The ploidy levels might suggest some difference between the plants in the broadly considered amphi-Atlantic and amphi-Beringian regions, perhaps with those in the amphi-Beringian regions as most derived from the assumed European low-ploid origin. Petrovsky commented that [C. polemonioides] can be merged with subsp. [angustifolia] only if the former taxon was described from arctic America; otherwise, both taxa

should be considered separately along with [*C. dentata*]. As stated above, the name [*C. polemonioides*] is of European origin. We have compared plants from arctic Europe (Norway, Svalbard, Iceland), Siberia (Yakutia, Chukotka), Greenland, and arctic North America, in the field and in herbaria. Some of the North American plants named as subsp. [*angustifolia*] have narrower leaflets than the majority of the Eurasian ones but similar plants occur also on the European side, e.g. in the mountains of northern Scandinavia (Lövkvist 1956, 1957; Nilsson 1986: 106), and plants with broader leaflets, indistinguishable from the ones in Svalbard, Scandinavia, and Siberia, are frequent in arctic Canada and Alaska. We therefore provisionally assume that there is only one major arctic taxon. If two taxa are accepted, the plants of Chukotka and North America east to Hudson Bay belong to subsp. [*angustifolia*] (and perhaps some farther east, e.g., in northern Scandinavia), whereas at least the large majority of those from Hudson Bay eastwards across Greenland and northern Europe to northern Siberia belong to [*C. polemonioides*]. European authors have often applied the combination [*C. pratensis*] subsp. [*polemonioides*] Rouy (e.g., Jones and Marhold 1993). As far as we can see from the original text, Rouy in Rouy and Foucaud (1893) described [*C. polemonioides*] as a species. How it became a subspecies in later works (including *Flora Europaea*), we do not know. The name [*C. polemonioides*] has priority if the taxon is accepted as a species. Al-Shehbaz et al. (2010b) applied the name [*C. nymanii*].

- **Cardamine polemonioides Rouy** according to ACCS ; Comments: Panarctic Flora Checklist
- **Cardamine pratensis subsp. polemonioides Rouy** according to WCSP ; Comments: WCSP

Cardamine purpurea Cham. & Schltl. (GUID: ipni-280600-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Cardamine regeliana Miq. (GUID: ipni-45357-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Cardamine scutata Thunb.** according to WCSP ; Comments: WCSP

Cardamine scutata Thunb. (GUID: ipni-280651-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Cardamine regeliana Miq.** according to ACCS ; Comments: D.F. Murray

Cardamine umbellata Greene (GUID: ipni-45401-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Cardamine oligosperma var. kamtschatica (Regel) Detling** according to WCSP ; Comments: WCSP

Cochlearia arctica Schltl. (GUID: ipni-1039664-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Cochlearia arctica subsp. arctica (GUID: trop-4103047). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Cochlearia arctica subsp. arctica Schltl. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cochlearia arctica subsp. oblongifolia (DC.) V.V.Petrovsky (GUID: ipni-919277-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Cochlearia oblongifolia DC.** according to WCSP ; Comments: WCSP
- **Cochlearia groenlandica Linnaeus** according to FNA ; Comments: FNA

Cochlearia groenlandica L. (GUID: ipni-281434-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Cochlearia officinalis L. (GUID: ipni-281469-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Cochlearia groenlandica L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Cochlearia officinalis subsp. arctica (Schltdl.) Hultén (GUID: ipni-62479-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Cochlearia arctica subsp. arctica Schltdl.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Cochlearia sessilifolia Rollins (GUID: ipni-62486-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**. A *synonym* of:

- **Cochlearia groenlandica L.** according to **PAF** ; Comments: Linnaeus' [Cochlearia groenlandica] was described with 'Habitat in Norvegia, Islandia, Groenlandia' (Linnaeus 1753: 647), and with reference to three earlier sources: Hortus Cliffortianus (1738), 'Barth. act.' with a reference to a Danish plant (Alholm), and Boerhaave's Index of plants in the Leyden garden (1720). It is improbable that any of these earlier sources refer to the arctic plants. The only specimen relevant as original material (LINN) is in bad condition and without indications of origin. This specimen has been designated as lectotype but with an epitype from western Greenland to confirm the current usage of the name (Elven and Nordal in Jonsell and Jarvis 2002). [Cochlearia groenlandica] is mainly high-arctic, in Europe restricted to the Norwegian and Russian arctic islands. [Cochlearia sessilifolia] was accepted by Al-Shehbaz and Koch (2010) but seems to be based on very few collections, perhaps only one, within the range of the polymorphic [C. groenlandica] in northwestern Alaska. Its characters as reported by the authors above (annual, fruit shape and size, stem structure, sessile cauline leaves, blade margin) are within the range we have observed in [C. groenlandica].

Conringia orientalis (L.) Dumort. (GUID: ipni-281541-1). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Descurainia incana (Bernh. ex Fisch. & C.A.Mey.) Dorn (GUID: ipni-275770-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Descurainia richardsonii (Sweet) O.E.Schulz (GUID: kew-2761834). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Descurainia incana (Bernh. ex Fisch. & C.A.Mey.) Dorn** according to **WCSP** ; Comments: WCSP

Descurainia sophia (L.) Webb ex Prantl (GUID: ipni-78248-2). In Alaska according to **ACCS, ALA, PAF, FNA**. An *accepted name* according to **WCSP, ACCS, ALA, PAF, FNA**.

Descurainia sopheroides (Fisch. ex Hook.) O.E. Schulz (GUID: trop-4100125). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, WCSP, FNA**.

Descurainia sopheroides (Fisch.) O.E.Schulz (GUID: ipni-78250-2). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Draba albertina Greene (GUID: ipni-83381-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Draba aleutica E.Ekman (GUID: ipni-83383-2). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Draba aleutica Ekman (GUID: ipni-282327-1). In Alaska according to **FNA, ACCS**. An *accepted name* according to **FNA, ACCS**. A *synonym* of:

- **Draba tschuktschorum Trautv.** according to **WCSP** ; Comments: **WCSP**

Draba alpina L. (GUID: ipni-282334-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Draba pilosa M.F. Adams ex DC.** according to **ACCS** ; Comments: **Panarctic Flora Checklist**

Draba aurea Vahl ex Hornem. (GUID: ipni-282395-1). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **WCSP, ACCS, ALA, FNA**.

Draba borealis DC. (GUID: ipni-282425-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Draba cana Rydb. (GUID: ipni-282457-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Draba chamissonis G. Don (GUID: trop-4102459). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA, ALA, WCSP**.

Draba cinerea Adams (GUID: ipni-282491-1). In Alaska according to **PAF, FNA, ALA, ACCS**. An *accepted name* according to **PAF, WCSP, FNA, ALA, ACCS**.

Draba corymbosa R.Br. ex DC. (GUID: ipni-83512-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Draba crassifolia Graham (GUID: ipni-282515-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Draba daurica DC. (GUID: ipni-282535-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Draba glabella Pursh** according to **PAF** ; Comments: The name. - Russian authors have until recently almost uniformly applied the name [*Draba hirta*] L. to this species, whereas that name for long has been abandoned in northwestern Europe, Greenland, and North America. This critical name must either be rejected or supported by a type specimen. No type information is given in the protologue, i.e., there are no literary original sources. The known original plant material is Herb. Linn. 823.12 (LINN) with two plants. The left-hand plant is marked 'Lapp.' (Lapland, i.e., northern Sweden) and may possibly belong to [*D. glabella*] as currently understood but this will be difficult to decide due to the poor condition of the material. The right-hand plant is in even worse condition and probably belongs to [*D. rupestris*]. The Paris Linnaean Lapland herbarium (LAPP) should be checked for additional possible material. The protologue is not detailed enough to indicate any species ('*D. fol. subhirsutis, scapo unifolio, siliculis obliquis, pedicellatis*'). There is no indication that Linnaeus had the species currently considered as [*D. glabella*], or predominantly this species, in mind when he described [*D. hirta*]. There are two options: Either to select the 'Lapp.' specimen as lectotype of [*D. hirta*] L. and in addition to select an epitype confirming this as a priority name for what more recently has been named as [*D. glabella*] or [*D. daurica*] (at least outside Russia), or to reject the name [*D. hirta*] L. Our principal opinion is that the name [*D. hirta*] has been applied and misapplied in too many meanings to have any current established usage outside Russia. It should therefore be proposed rejected. There are, however, two arguments against a rejection. (1) The IBC nomenclatural committee is notoriously reluctant to reject Linnaean species names. (2) Rejection of the name [*D. hirta*] may bring the name [*D. norvegica*] Gunnerus 1776, for a long time applied as the assumed priority name for another species, into the picture. This second oldest name most probably must be referred to [*D. glabella*] as currently considered. This will lead to significant instability in nomenclature. The simplest solution after all may be to reinstate [*D. hirta*] L. 1759 with an epitype, with [*D. norvegica*] Gunnerus 1776, [*D. glabella*] Pursh 1813, and [*D. daurica*] DC. 1821 as synonyms, and to reinstate the name [*D. rupestris*] W.T. Aiton 1812 for the other

species. The Siberian name [*D. daurica*] was applied regularly for the species in question in northern Europe until the 1990s (e.g., Elven 1994). The probable type of [*D. daurica*] corresponds well with North American [*D. glabella*]. The name [*D. glabella*] has priority if [*D. hirta*] is rejected and if [*D. norvegica*] can be avoided. We apply the name [*D. glabella*] for this species until these problems are solved. [*Draba glabella*] in Iceland. - [*Draba glabella*] (or [*D. daurica*]) has regularly been reported from Iceland (e.g., Löve 1970a; Hultén and Fries 1986; Walters and Akeroyd 1993) but Jalas et al. (1996) discounted Icelandic presence. Numerous Icelandic collections have been annotated as this species (AMNH, C, ICEL, O) but with two exceptions they are misidentified. The exceptions are rather interesting. They are two specimens (ICEL) of very characteristic [*D. glabella*] stated to have been collected by Á. Löve in the 1930s in a little accessible locality in the (arctic) northwestern peninsulas of Iceland. This part of Iceland is one of those where Löve assumed glacial refugia. The specimens differ markedly from all other Icelandic [*Draba*]. The species has been searched for but not refound in the locality. The area is the same as for other very dubious Löve records from the same year (e.g., [*Eriophorum russeolum*] and [*Poa arctica*]). He made and vouchered several other such 'sensational' finds of close to ten species, all of them never refound there or elsewhere in Iceland. The evidence points towards these specimens having been collected somewhere else, probably in central or northern Scandinavia. This is either a case of massive confusion of material or a case of conscious 'planting' of specimens. The reports of octoploid chromosome numbers for [*D. glabella*] from Iceland (see above) support the suspicion that the records are conscious fakes. There is no known octoploid white-flowered [*Draba*] species reliably documented from Iceland.

- ***Draba glabella* Pursh** according to ACCS ; Comments: Panarctic Flora Checklist

***Draba densifolia* Nutt.** (GUID: ipni-282547-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

***Draba eschscholtzii* Pohle & N.Busch** (GUID: ipni-282577-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- ***Draba pilosa* M.F. Adams ex DC.** according to ACCS ; Comments: Panarctic Flora Checklist

***Draba fladnizensis* Wulfen** (GUID: ipni-282591-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

***Draba fladnizensis* Wulfen in N. J. Jacquin** (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

***Draba glabella* Pursh** (GUID: ipni-30048457-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Draba grandis* Langsd. ex DC.** (GUID: ipni-282629-1). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA. A *synonym* of:

- ***Draba hyperborea* (L.) Desv.** according to WCSP ; Comments: WCSP

***Draba heilii* Al-Shehbaz** (GUID: kew-2896025). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

***Draba hyperborea* (L.) Desv.** (GUID: trop-4101252). In Alaska according to ALA. An *accepted name* according to ALA, WCSP.

***Draba incerta* Payson** (GUID: ipni-83636-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Draba juvenilis* Kom.** (GUID: trop-4100439). In Alaska according to FNA, ALA, PAF, ACCS. An *accepted name* according to FNA, ALA, PAF, WCSP, ACCS.

Draba kamtschatica (Ledeb.) N.Busch (GUID: ipni-83642-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Draba chamissonis G.Don** according to **WCSP** ; Comments: WCSP
- **Draba chamissonis G. Don** according to **PAF** ; Comments: Petrovsky and Elven: [Draba chamissonis] has been a disputed name due to lack of a designated type and of a clear concept of what the name represents. Tolmachev (1975b) mapped [D. chamissonis] from five widely separated localities in northeastern Asia but not from the Chukchi Peninsula, strange as this is the only part of Russia mentioned in the protologue (Lavrentiya Bay). Hultén (1968a) mapped two localities in the easternmost Chukchi Peninsula. The three Russian specimens in S annotated as [D. chamissonis] (including the two from the Chukchi Peninsula mapped by Hultén) have been inspected by Elven and belong to 2-3 different species. One is [D. nivalis], one is [D. cinerea] s. lat., and one is incomplete and perhaps unidentifiable. Berkutenko (1988) did not mention the species for the Russian Far East (i.e., including the type area). In North America, Hultén (1937) cited the name [D. chamissonis] in synonymy of either [D. kamtschatica] or [D. nivalis] for the Aleutian Islands. Hultén (1968a) mapped it from two localities in northwestern Alaska (but not from Unalaska, given as the second locality in the protologue), and Hultén (1968b) stated that his inclusion of it for Alaska was based solely on the reports of Wiggins and Thomas (1962) from Barrow, Elson Lagoon, and Lake Noluk (i.e., from sites where it certainly does not occur). It is therefore very probable that Hultén, like Tolmachev, ignored the original material and the original description. It is impossible to get any consistent impression of this species from Hultén's description, for good reasons. The only Alaskan specimen in S annotated by Hultén as [D. chamissonis] (and inspected by Elven) is yellow-flowered and belongs to either [D. micropetala] or [D. pauciflora]. His description (Hultén 1968a) is a composite based on Alaskan ([D. micropetala]-[pauciflora]) and Chukotkan plants ([D. nivalis], [D. cinerea] s. lat.). Mulligan (1976) and Rollins (1993) did not accept the species from Alaska or North America. This problem was solved by Petrovsky (2005), identifying original material and designating a lectotype that makes [D. chamissonis] a priority name for the plant that in more recent times have been known as [D. kamtschatica]. Grundt, Petrovsky, Murray, and Elven: Calder and Taylor (1968) treated this plant as [D. lonchocarpa] subsp. [kamtschatica] and reported it to be the coastal Pacific race in northwestern North America, accepted by Hultén (1968a) north to the non-arctic parts of southern Alaska. The original material of [D. kamtschatica] differs appreciably in morphology from North American and Asian material of [D. lonchocarpa]. In ITS sequences, [D. chamissonis] (= [D. kamtschatica]) is identical with a major type in [D. nivalis] and different from [D. lonchocarpa]. A merger with [D. lonchocarpa] is not appropriate. [Draba chamissonis] differs from [D. nivalis] mainly in regular occurrence of several short and broad, almost cordate stem leaves. Otherwise, it is a more slender plant with more elongated infrutescence. The overlap with [D. nivalis] is extensive in these features. It has an appreciable range in the Russian Far East from Kamtchatka north to East Chukotka and interior West Chukotka and is now identified in southwestern Alaskan material north to the Arctic south of the Yukon River Delta (ALA) but not from northern Alaska (i.e., not from Hultén's localities). It may be acceptable as a taxon but probably not as a species. Its characters and range justify rank as a regional race of [D. nivalis]. It is retained as a species here because we want a change of rank (and a recombination of name) to be based on more thorough investigations.
- **Draba chamissonis G. Don** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Draba chamissonis G. Don** according to **FNA** ; Comments: FNA

Draba kananaskis G.A.Mulligan (GUID: ipni-282711-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Draba juvenilis Kom.** according to **WCSP** ; Comments: WCSP
- **Draba juvenilis Kom.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Draba lactea Adams (GUID: ipni-282732-1). In Alaska according to PAF, FNA, ALA, ACCS. An *accepted name* according to PAF, WCSP, FNA, ALA, ACCS.

Draba lanceolata Royle (GUID: ipni-282740-1). In Alaska according to ALA. An *accepted name* according to WCSP. A *synonym* of:

- **Draba cana Rydb.** according to ALA ; Comments: Elven, R. et al. 2003

Draba lonchocarpa Rydb. (GUID: ipni-282777-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Draba macounii O.E.Schulz (GUID: ipni-83684-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Draba micropetala Hook. (GUID: ipni-282822-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Draba mulliganii Al-Shehbaz (GUID: ipni-77102414-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Draba murrayi G. A. Mulligan (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Draba murrayi G.A.Mulligan (GUID: ipni-83713-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Draba nemorosa L. (GUID: ipni-282858-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Draba nitida Greene (GUID: ipni-282865-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Draba albertina Greene** according to ACCS ; Comments: Flora of North America

Draba nivalis Lilj. (GUID: ipni-282868-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Draba novolympica Payson & H.St.John (GUID: ipni-83752-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Draba paysonii J.F.Macbr.** according to WCSP ; Comments: WCSP

Draba oblongata R. Br. ex DC. (GUID: trop-4100445). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, ACCS, ALA, WCSP, FNA.

Draba ogilviensis Hultén (GUID: ipni-83755-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Draba oligosperma Hook. (GUID: ipni-282896-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Draba palanderiana Kjellm. (GUID: ipni-282919-1). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, WCSP, ACCS, ALA, FNA.

Draba palanderiana taxon diploid_morph Kjellm. (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Draba pauciflora R.Br. (GUID: ipni-30061208-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Draba paysonii var. treleasei (O.E.Schulz) C.L.Hitchc. (GUID: kew-2777180). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Draba novolympica Payson & H. St. John** according to ACCS ; Comments: Flora of North America
- Draba pectinipila Rollins** (GUID: ipni-83792-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Draba oligosperma Hook.** according to ACCS ; Comments: Panarctic Flora Checklist
- Draba pilosa Adams** (GUID: ipni-83800-2). In Alaska according to ALA. An *accepted name* according to ALA.
- Draba pilosa Adams ex DC.** (GUID: ipni-282952-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, WCSP, ACCS, FNA.
- Draba porsildii G. A. Mulligan** (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.
- Draba porsildii G.A.Mulligan** (GUID: ipni-83804-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Draba praealta Greene** (GUID: ipni-83805-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.
- Draba pseudo-oxycarpa V.V. Petrovsky (ined.)** (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.
- Draba ruaxes Payson & H.St.John** (GUID: ipni-83828-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Draba stenoloba Ledeb.** (GUID: ipni-283100-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Draba stenopetala Trautv.** (GUID: ipni-283101-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Draba stylaris J.Gay ex W.D.J.Koch** (GUID: kew-2777416). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Draba cana Rydb.** according to ACCS ; Comments: Panarctic Flora Checklist
- Draba subcapitata Simmons** (GUID: ipni-83882-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Draba tschuktschorum Trautv.** (GUID: ipni-283151-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Draba fladnizensis Wulfen** according to ACCS ; Comments: Panarctic Flora Checklist
- Draba ventosa A.Gray** (GUID: ipni-283172-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.
- Erucastrum gallicum (Willd.) O.E. Schulz** (GUID: trop-4100152). In Alaska according to ACCS. An *accepted name* according to ACCS, ALA, WCSP.
- Erysimum altum (Ahti) Tzvelev** (GUID: ipni-1001811-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:
- **Erysimum cheiranthoides L.** according to WCSP ; Comments: WCSP
- Erysimum angustatum Rydb.** (GUID: ipni-307210-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Erysimum asperum (Nutt.) DC. (GUID: ipni-30006765-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Erysimum angustatum Rydb.** according to **ACCS** ; Comments: D.F. Murray

Erysimum asperum var. angustatum (Rydb.) B.Boivin (GUID: ipni-1078812-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Erysimum capitatum subsp. angustatum (Rydb.) R.A.Price** according to **WCSP** ; Comments: WCSP
- **Erysimum angustatum Rydb.** according to **ACCS** ; Comments: D.F. Murray
- **Erysimum capitatum var. purshii (Durand) Rollins** according to **FNA** ; Comments: FNA

Erysimum capitatum (Douglas ex Hook.) Greene (GUID: ipni-1171827-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Erysimum capitatum var. purshii (Durand) Rollins (GUID: ipni-974673-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Erysimum cheiranthoides L. (GUID: ipni-283698-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Erysimum cheiranthoides subsp. cheiranthoides (GUID: trop-4102238). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Erysimum cheiranthoides L.** according to **ACCS** ; Comments: Flora of North America

Erysimum cheiri (L.) Crantz (GUID: trop-4101296). In Alaska according to **ACCS**. An *accepted name* according to **ACCS, WCSP**.

Erysimum coarctatum Fernald (GUID: ipni-307183-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Erysimum inconspicuuum (S.Watson) MacMill.** according to **WCSP** ; Comments: WCSP

Erysimum inconspicuuum (S.Watson) MacMill. (GUID: ipni-1014955-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Erysimum pallasii (Pursh) Fernald (GUID: ipni-1096145-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Erysimum redowskii Weinm.** according to **WCSP** ; Comments: WCSP

Eutrema edwardsii R.Br. (GUID: ipni-302138-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Hesperis matronalis L. (GUID: ipni-285087-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Iberis umbellata L. (GUID: ipni-324671-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Lepidium campestre (L.) W.T.Aiton (GUID: ipni-1212637-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lepidium densiflorum Schrad. (GUID: ipni-286137-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Lepidium heterophyllum Benth. (GUID: ipni-286210-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Lepidium latifolium L. (GUID: ipni-286262-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Lepidium ramosissimum A.Nelson (GUID: ipni-138132-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Lepidium virginicum L. (GUID: ipni-286469-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Lepidium virginicum subsp. virginicum (GUID: trop-50129588). In Alaska according to ACCS. An *accepted name* according to ACCS.

Lesquerella arctica (Wormsk. ex Hornem.) S. Watson (GUID: trop-4100213). In Alaska according to ACCS, ALA. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Physaria arctica (Wormsk. ex Hornem.) O’Kane & Al-Shehbaz** according to PAF ; Comments:
- **Physaria arctica (Wormsk. ex Hornem.) O’Kane & Al-Shehbaz** according to ACCS ; Comments: Panarctic Flora Checklist
- **Physaria arctica (Wormskjöld ex Hornemann) O’Kane & Al-Shehbaz** according to FNA ; Comments: FNA

Lesquerella arctica var. purshii S.Watson (GUID: ipni-138700-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Physaria arctica (Wormsk. ex Hornem.) O’Kane & Al-Shehbaz** according to ACCS ; Comments: Panarctic Flora Checklist

Lesquerella calderi G.A.Mulligan & A.E.Porsild (GUID: ipni-286505-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Physaria calderi (G.A. Mulligan & A.E. Porsild) O’Kane & Al-Shehbaz** according to PAF ; Comments: [Physaria calderi] is a fairly local species of the Yukon Territory, distinct in ploidy level and morphology and with its entire range within that of [P. arctica] (Mulligan and Porsild 1969a).
- **Physaria calderi (G.A. Mulligan & A.E. Porsild) O’Kane & Al-Shehbaz** according to ACCS ; Comments: Panarctic Flora Checklist
- **Physaria calderi (G. A. Mulligan & A. E. Porsild) O’Kane & Al-Shehbaz** according to FNA ; Comments: FNA

Nasturtium officinale W.T.Aiton (GUID: ipni-287534-1). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Neslia paniculata (L.) Desv. (GUID: ipni-105336-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Noccaea arctica (A.E.Porsild) Holub (GUID: ipni-1138385-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Parrya nauruaq Al-Shehbaz (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Parrya nauruaq Al-Shehbaz et al. (GUID: trop-50292603). In Alaska according to PAF. An *accepted name* according to PAF.

Parrya nauruaq Al-Shehbaz, J.R.Grant, R.Lipkin, D.F.Murray & C.L.Parker (GUID: ipni-77083938-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Parrya nudicaulis (L.) Regel (GUID: ipni-60435147-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Parrya nudicaulis subsp. nudicaulis (GUID: trop-4102469). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**.

Parrya nudicaulis subsp. nudicaulis (L.) Regel (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Parrya nudicaulis subsp. septentrionalis Hultén (GUID: ipni-183964-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Parrya nudicaulis (L.) Regel** according to **ALA** ; Comments: FNA vol. 7
- **Parrya nudicaulis (Linnaeus) Regel** according to **FNA** ; Comments: FNA

Physaria arctica (Wormsk. ex Hornem.) O’Kane & Al-Shehbaz (GUID: ipni-1143634-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Lesquerella arctica (Wormsk. ex Hornem.) S.Watson** according to **ALA** ; Comments: Elven, R. et al. 2003

Physaria calderi (G.A.Mulligan & A.E.Porsild) O’Kane & Al-Shehbaz (GUID: ipni-20008526-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Lesquerella calderi G.A.Mulligan & A.E.Porsild** according to **ALA** ; Comments: Elven, R. et al. 2003

Raphanus raphanistrum L. (GUID: ipni-164758-3). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Raphanus sativus L. (GUID: ipni-164792-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**. A *synonym* of:

- **Raphanus raphanistrum subsp. sativus (L.) Domin** according to **WCSP** ; Comments: WCSP

Rorippa barbareaifolia (DC.) Kitag. (GUID: ipni-222120-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Rorippa curvipes Greene (GUID: ipni-288638-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Rorippa curvisiliqua (Hook.) Bessey ex Britton (GUID: ipni-222131-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Rorippa curvisiliqua var. procumbens Stuckey (GUID: ipni-879327-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Rorippa curvisiliqua (Hooker) Bessey ex Britton** according to **FNA** ; Comments: FNA
- **Rorippa curvisiliqua (Hook.) Besser ex Britton** according to **ACCS** ; Comments: Flora of North America

Rorippa hispida (Desv.) Britton (GUID: ipni-1055835-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Rorippa palustris subsp. hispida (Desv.) Jonsell** according to **ACCS** ; Comments: Flora of North America

Rorippa palustris (L.) Besser (GUID: ipni-90720-3). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Rorippa palustris subsp. glabra (O.E.Schulz) Stuckey (GUID: ipni-222179-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Rorippa palustris subsp. palustris (L.) Besser** according to ACCS ; Comments: Flora of North America
- Rorippa palustris subsp. hispida (Desv.) Jonsell** (GUID: trop-4100245). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA. A *synonym* of:
- **Rorippa palustris (L.) Besser** according to WCSP ; Comments: WCSP
- Rorippa palustris subsp. occidentalis (S. Watson) Abrams** (GUID: trop-4101441). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Rorippa palustris subsp. palustris (L.) Besser** according to ACCS ; Comments: Flora of North America
- Rorippa palustris subsp. palustris** (GUID: trop-4102597). In Alaska according to PAF, FNA. An *accepted name* according to ALA, PAF, FNA.
- Rorippa palustris subsp. palustris (L.) Besser** (GUID: ipni-90756-3). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Rorippa sylvestris (L.) Besser** (GUID: ipni-288692-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.
- Sinapis alba L.** (GUID: ipni-91788-3). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.
- Sinapis arvensis L.** (GUID: ipni-288960-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.
- Sinapis arvensis var. orientalis (L.) W.D.J.Koch & Ziz** (GUID: kew-2491906). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Sinapis arvensis L.** according to ACCS ; Comments: ITIS
- Sinapis arvensis L.** (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.
- Sisymbrium altissimum L.** (GUID: ipni-237019-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Sisymbrium officinale (L.) Scop.** (GUID: ipni-1070038-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Smelowskia borealis (Greene) W.H.Drury & Rollins** (GUID: ipni-289877-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Smelowskia johnsonii G. A. Mulligan** (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.
- Smelowskia johnsonii G.A.Mulligan** (GUID: ipni-322430-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.
- Smelowskia media (W.H. Drury & Rollins) Velichkin** (GUID: trop-50311571). In Alaska according to PAF, FNA. An *accepted name* according to PAF, FNA.
- Smelowskia media (W.H.Drury & Rollins) G.A.Mulligan** (GUID: ipni-20003275-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Smelowskia porsildii (Drury & Rollins) Jurtzev** (GUID: ipni-289899-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Smelowskia porsildii (W.H.Drury & Rollins) Jurtzev (GUID: ipni-237536-2). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Smelowskia pyriformis W.H.Drury & Rollins (GUID: ipni-289900-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Smelowskia spathulatifolia Velichkin (GUID: ipni-296357-2). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Smelowskia porsildii (W.H. Drury & Rollins) Jurtz.** according to PAF ; Comments: Yurtsev: Velichkin (1974) listed numerous characters differentiating [Smelowskia jurtzevii] from [S. porsildii] and [S. spathulatifolia], e.g., shape of petals (reniform blade abruptly constricted into limb), shape of stigma (non bilobate), valves more compressed and obtuse at each end, abundance of multiradiate hairs in the pubescence of inflorescence, and some anatomical features of parts of flowers and fruits. Murray and Elven: Drury and Rollins (1952) treated the northwestern North American variation of this group as two out of three varieties of [S. calycina] (the third was var. [media]). Velichkin (1974) compared Chukotkan and Alaskan material and recognized three species. Yurtsev commented that Velichkin's division of [S. porsildii] into the Chukotkan [S. jurtzevii] and the Alaskan [S. porsildii] s. str. is based on a good set of morphological and anatomical characters. We have compared Chukotkan and Alaskan plants and have not been able to confirm that the differences reported by Velichkin and Yurtsev disjunctly separate groups. It is not yet established that the differences shown by Velichkin in, e.g., petals, are constant throughout populations and taxa. They may be parts of normal infraspecific variation. We merge [S. jurtzevii] and [S. porsildii]. The chromosome number differences are not strong evidence for separation as long as the variation within each proposed taxon is large (and the counts few). Velichkin divided the Alaskan material on two species: [S. porsildii] and [S. spathulatifolia]. In a quite large Alaskan material investigated by us, these two might perhaps be recognizable on some subtle morphological differences but with different geographical ranges from those previously reported. [Smelowskia spathulatifolia] is only vouchered in ALA from the Seward Peninsula where it seems to be the only taxon present. However, it must also occur in the nearby Cape Krusenstern area from where it was described. All other Alaskan and Yukon Territory plants conform better to [S. porsildii]. None of us agree with the proposal of Warwick et al. (2003a) to include [S. spathulatifolia] in [S. americana]. Warwick et al. (2003a) included Alaskan and Chukotkan plants ([S. jurtzevii], [S. porsildii], [S. spathulatifolia]) in their investigations and found them identical in the markers studied. The same conclusion was reached by Carlsen et al. (2010) applying a different set of markers. These authors were not able to distinguish between [S. jurtzevii], [S. porsildii], and [S. spathulatifolia] in any way, whereas the other proposed species of [Smelowskia] were fairly easily distinguished. We therefore merge [S. jurtzevii], [S. spathulatifolia], and [S. porsildii] under the last-mentioned (priority) name (as done also by Al-Shehbaz 2010f). The very varied chromosome numbers reported suggest a less than stabilized, perhaps hybridogeneous mess. Yurtsev: [Smelowskia spathulatifolia] differs readily both from [S. porsildii] and from [S. jurtzevii] by wider spathuliform blades somewhat longer than the petioles, pedicels subpatent, and by some characters of anatomy of flowers and fruits (Velichkin 1974). Murray and Elven: When comparing population samples, we did not find these differences as pronounced as Yurtsev and Velichkin did. See, however, comments by Murray and Kelso (1997): 'var. [integrifolia] is distinguished by its mix of both shallowly lobed and entire, broadly spatulate basal leaves with short petioles, whereas var. [porsildii] consistently has narrow, entire, ligulate base leaves with long petioles'.

Subularia aquatica L. (GUID: ipni-290258-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Subularia aquatica subsp. americana G.A.Mulligan & Calder (GUID: ipni-247818-2). In Alaska

according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Subularia aquatica subsp. aquatica (GUID: trop-50292591). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Thlaspi arvense L. (GUID: ipni-290477-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Torularia humilis subsp. arctica Böcher (GUID: ipni-255266-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Braya humilis subsp. arctica (Böcher) Rollins** according to PAF ; Comments: Subspecies [arctica] is assumed to be the most widespread race. The supposition that it is constantly hexaploid is based on the sorting of chromosome counts by the Löves and is probably untenable, but the plants from the type region of Greenland are hexaploid (whereas Greenland plants of [P. novae-angliae] are octoploid and of [B. intermedia] decaploid).
- **Braya humilis subsp. arctica (Böcher) Rollins** according to ACCS ; Comments: Panarctic Flora Checklist

Transberingia bursifolia (DC.) Al-Shehbaz & O'Kane (GUID: ipni-50426391-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Transberingia bursifolia subsp. bursifolia (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Turritis glabra L. (GUID: ipni-146703-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Cabombaceae

Brasenia schreberi J.F.Gmel. (GUID: ipni-72035-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Campanulaceae

Campanula alaskana (A.Gray) W.Wight ex J.P.Anderson (GUID: kew-363876). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Campanula aurita Greene (GUID: ipni-43933-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Campanula chamissonis Fed. (GUID: ipni-140093-1). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Campanula dasyantha subsp. chamissonis (Fed.) Victorov** according to WCSP ; Comments: WCSP

Campanula chamissonis Fedorov (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Campanula glomerata L. (GUID: ipni-140364-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Campanula intercedens Witasek (GUID: ipni-43948-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Campanula rotundifolia** L. according to ACCS ; Comments: Panarctic Flora Checklist

Campanula lasiocarpa Cham. (GUID: ipni-140561-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Campanula lasiocarpa subsp. lasiocarpa (GUID: trop-5503703). In Alaska according to ALA. An *accepted name* according to ALA.

Campanula lasiocarpa subsp. lasiocarpa Cham. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Campanula lasiocarpa subsp. latisejala (Hultén) Hultén (GUID: ipni-43950-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Campanula alaskana (A.Gray) W.Wight ex J.P.Anderson** according to WCSP ; Comments: WCSP

Campanula latisejala Hultén (GUID: ipni-43952-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Campanula alaskana (A.Gray) W.Wight ex J.P.Anderson** according to WCSP ; Comments: WCSP
- **Campanula alaskana (A. Gray) W. Wight ex J.P. Anderson** according to ACCS ; Comments: Panarctic Flora Checklist

Campanula medium L. (GUID: ipni-140670-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Campanula petiolata A.DC. (GUID: ipni-140830-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Campanula rotundifolia L.** according to ACCS ; Comments: Panarctic Flora Checklist

Campanula rapunculoides L. (GUID: ipni-145571-3). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Campanula rotundifolia L. (GUID: ipni-30036649-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Campanula rotundifolia subsp. rotundifolia (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Campanula scouleri Hook. ex A.DC. (GUID: ipni-141071-1). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP, ALA, ACCS.

Campanula uniflora L. (GUID: ipni-141270-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Lobelia dortmanna L. (GUID: ipni-143206-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Caprifoliaceae

Linnaea borealis L. (GUID: ipni-148544-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Linnaea borealis subsp. americana (J. Forbes) Hultén ex R.T. Clausen (GUID: trop-6000004). In Alaska according to ACCS. An *accepted name* according to ACCS.

Linnaea borealis subsp. americana (J.Forbes) Hultén (GUID: ipni-1037370-2). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Linnaea borealis subsp. borealis (GUID: trop-6000279). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Linnaea borealis subsp. longiflora (Torr.) Hultén (GUID: ipni-140693-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Lonicera involucrata (Richardson) Banks ex Spreng. (GUID: ipni-143461-2). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**.

Lonicera tatarica L. (GUID: ipni-149131-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Symphoricarpos albus (L.) S.F.Blake (GUID: ipni-1006487-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Symphoricarpos albus var. albus (L.) S.F. Blake (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Symphoricarpos albus var. laevigatus (Fernald) S.F.Blake (GUID: ipni-1048510-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Valeriana capitata Pall. ex Link (GUID: ipni-859664-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Valeriana sitchensis Bong. (GUID: ipni-860194-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Caryophyllaceae

Agrostemma githago L. (GUID: ipni-95561-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Agrostemma githago var. githago (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Arenaria dawsonensis Britton (GUID: ipni-18506-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Minuartia dawsonensis (Britton) House** according to **ALA** ; Comments: Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.
- **Minuartia dawsonensis (Britton) House** according to **PAF** ; Comments: Elven and Murray: [Minuartia dawsonensis] is similar in many aspects to [M. stricta] and has sometimes been synonymized with it. It is accepted as a species in the majority of recent studies of [Minuartia] (e.g., Rabeler et al. 2005). McNeill (1962) even kept it apart in sect. [Sclerophylla] Mattf.
- **Minuartia dawsonensis (Britton) House** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Minuartia dawsonensis (Britton) House** according to **FNA** ; Comments: FNA

Arenaria longipedunculata Hultén (GUID: ipni-18596-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Arenaria peplodes var. major Hook. (GUID: ipni-18653-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Honckenya peplodes subsp. major (Hook.) Hultén** according to **ALA** ; Comments: FNA 5; Flora of North America, vol. 5
- **Honckenya peplodes subsp. major (Hook.) Hultén** according to **PAF** ; Comments:

- **Honckenya peploides subsp. major (Hook.) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist
- **Honckenya peploides subsp. major (Hooker) Hultén** according to FNA ; Comments: FNA

Cerastium aleuticum Hultén (GUID: ipni-52263-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Cerastium arvense L. (GUID: ipni-329786-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Cerastium arvense subsp. strictum (L.) Ugborogho (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cerastium arvense subsp. strictum Gaudin (GUID: ipni-1145273-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, WCSP, FNA.

Cerastium beerianum Cham. & Schldl. (GUID: ipni-152096-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Cerastium beerianum taxon arctic_dwarf_race (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Cerastium beerianum var. beerianum (GUID: trop-6301583). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Cerastium beerianum var. beerianum Cham. & Schldl. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cerastium beerianum var. grandiflorum (Fenzl) Hultén (GUID: ipni-52316-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Cerastium beerianum Cham. & Schldl.** according to ALA ; Comments:
- **Cerastium beerianum Cham. & Schldl.** according to WCSP ; Comments: WCSP

Cerastium bialynickii Tolm. (GUID: ipni-152100-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Cerastium beerianum var. beerianum** according to PAF ; Comments:
- **Cerastium beerianum var. beerianum Cham. & Schldl.** according to ACCS ; Comments: Panarctic Flora Checklist

Cerastium fischerianum Ser. (GUID: ipni-152250-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Cerastium fontanum Baumg. (GUID: ipni-59638-3). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Cerastium fontanum subsp. vulgare (Hartm.) Greuter & Burdet (GUID: ipni-920635-1). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to WCSP, ACCS, ALA, FNA.

Cerastium glomeratum Thuill. (GUID: ipni-152274-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Cerastium jenisejense Hultén (GUID: ipni-152328-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Cerastium regelii Ostenf.** according to WCSP ; Comments: WCSP
- **Cerastium regelii subsp. jenisejense (Hultén)** according to ACCS ; Comments: Panarctic Flora Checklist
- **Cerastium regelii Ostenfeld** according to FNA ; Comments: FNA

Cerastium latifolium L. (GUID: ipni-152360-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Cerastium arvense subsp. strictum** (L.) **Ugborogho** according to **ACCS** ; Comments: Panarctic Flora Checklist

Cerastium maximum L. (GUID: ipni-152411-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Cerastium nutans Raf. (GUID: ipni-30043747-2). In Alaska according to **ALA**. An *accepted name* according to **ALA, WCSP**.

Cerastium nutans var. nutans (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Cerastium regelii Ostenf. (GUID: ipni-152572-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Cerastium regelii subsp. jenisejense (Hultén) (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cerastium regelii subsp. regelii (GUID: trop-6302020). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Cerastium regelii subsp. regelii Ostenf. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cerastium tomentosum L. (GUID: ipni-152715-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Cherleria dicranoides Cham. & Schltld. (GUID: ipni-1029170-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Stellaria dicranoides** (Chamisso & Schlechtendal) **Fenzl in C. F. von Ledebour** according to **FNA** ; Comments: **FNA**

Dianthus barbatus L. (GUID: ipni-306674-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Dianthus deltoides L. (GUID: ipni-302054-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Dianthus repens Willd. (GUID: ipni-153800-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Eremogone capillaris (Poir.) **Fenzl** (GUID: ipni-154240-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, WCSP, ACCS**.

Eremogone capillaris subsp. capillaris (Poir.) **Fenzl** (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Eremogone capillaris var. capillaris (GUID: trop-50262767). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Gypsophila elegans M.Bieb. (GUID: ipni-154453-1). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Gypsophila paniculata L. (GUID: ipni-154563-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Honckenya peploides (L.) Ehrh. (GUID: ipni-154821-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Honckenya peploides subsp. diffusa (Hornem.) Hultén ex V.V. Petrovsky (GUID: trop-6300112). In Alaska according to PAF, ALA, ACCS, FNA. An *accepted name* according to PAF, ALA, ACCS, FNA. A *synonym* of:

- **Honckenya peploides (L.) Ehrh.** according to WCSP ; Comments: WCSP

Honckenya peploides subsp. major (Hook.) Hultén (GUID: ipni-123779-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Lychnis alba Mill. (GUID: ipni-155016-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Silene latifolia subsp. alba (Mill.) Greuter & Burdet** according to WCSP ; Comments: WCSP
- **Silene latifolia Poir.** according to ACCS ; Comments: ITIS
- **Silene latifolia Poiret** according to FNA ; Comments: FNA

Lychnis chalcedonica L. (GUID: ipni-94886-3). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Silene chalcedonica (L.) E.H.L.Krause** according to WCSP ; Comments: WCSP
- **Silene chalcedonica (L.) E.H.L. Krause** according to ACCS ; Comments: Flora of North America

Melandrium noctiflorum (L.) Fr. (GUID: ipni-60452280-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Silene noctiflora L.** according to WCSP ; Comments: WCSP
- **Silene noctiflora L.** according to ACCS ; Comments: ACCS Non-native List
- **Silene noctiflora Linnaeus** according to FNA ; Comments: FNA

Minuartia arctica (Steven ex Ser.) Graebn. (GUID: trop-6300894). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, WCSP, FNA.

Minuartia arctica Graebn. (GUID: ipni-155457-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Minuartia biflora (L.) Schinz & Thell. (GUID: ipni-1203761-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Minuartia dawsonensis (Britton) House (GUID: ipni-162475-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Minuartia elegans (Cham. & Schltldl.) Schischk. (GUID: ipni-1188421-2). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, WCSP, FNA.

Minuartia elegans (Cham. & Schltldl.) Schischkin (GUID: ipni-1009373-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Minuartia macrocarpa (Pursh) Ostenf. (GUID: trop-6300396). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Minuartia obtusiloba (Rydb.) House (GUID: ipni-1072813-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Minuartia rossii (R.Br. ex Richardson) Graebn. (GUID: ipni-1050755-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Minuartia rossii Graebn. (GUID: ipni-155642-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Minuartia rubella (Wahlenb.) Hiern (GUID: ipni-1065861-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Minuartia stricta (Sw.) Hiern (GUID: ipni-162520-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Minuartia stricta Hiern (GUID: ipni-155665-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Minuartia yukonensis Hultén (GUID: ipni-162527-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Moehringia lateriflora (L.) Fenzl (GUID: trop-6300177). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Sagina maxima A.Gray (GUID: ipni-321231-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Sagina maxima subsp. crassicaulis (S.Watson) G.E.Crow (GUID: ipni-225187-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Sagina maxima subsp. maxima (GUID: trop-50131309). In Alaska according to **FNA**. An *accepted name* according to **ALA, FNA**.

Sagina maxima subsp. maxima A. Gray (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Sagina nivalis (Lindblom) Fr. (GUID: trop-6300420). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Sagina nivalis Fr. (GUID: ipni-156490-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Sagina procumbens L. (GUID: ipni-142682-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Sagina saginoides (L.) H.Karst. (GUID: ipni-156521-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Saponaria officinalis L. (GUID: ipni-63764-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Silene acaulis (L.) Jacq. (GUID: ipni-60452326-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Silene acaulis subsp. acaulis (GUID: trop-6301668). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**.

Silene acaulis subsp. subacaulescens (F.N.Williams) Hultén (GUID: ipni-1200701-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Silene acaulis** (L.) Jacq. according to **ALA** ; Comments: **FNA 5; Flora of North America, vol. 5**
- **Silene acaulis** (Linnaeus) Jacquin according to **FNA** ; Comments: **FNA**

Silene armeria L. (GUID: ipni-156849-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Silene chalconica (L.) E.H.L. Krause (GUID: trop-6303615). In Alaska according to ACCS. An *accepted name* according to ACCS, WCSP.

Silene dioica (L.) Clairville (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Silene gallica L. (GUID: ipni-157386-1). In Alaska according to FNA. An *accepted name* according to WCSP, FNA.

Silene involucrata (Cham. & Schltdl.) Bocquet (GUID: ipni-236298-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to PAF, WCSP, ACCS, FNA. A *synonym* of:

- **Silene involucrata subsp. furcata (Raf.) comb. nov.** according to ALA ; Comments: ALA Taxon List; syn-of-syn: Silene involucrata (Cham. & Schltdl.) Bocquet -> Gastrolychnis affinis auct.; ; ALA Taxon List; ALA Taxon List^Elven, R. et al. 2003

Silene involucrata subsp. furcata (Raf.) V.V.Petrovsky & Elven (GUID: ipni-77099606-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Silene involucrata subsp. furcata (Raf.) comb. nov. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Silene involucrata subsp. involucrata (GUID: trop-50200740). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Silene involucrata subsp. involucrata (Cham. & Schltdl.) Bocquet (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Silene involucrata subsp. involucrata Greater arctic campion (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Silene involucrata subsp. tenella (Tolm.) Bocquet (GUID: ipni-1011194-2). In Alaska according to FNA. An *accepted name* according to ALA, FNA.

Silene latifolia Poir. (GUID: ipni-157647-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Silene latifolia subsp. alba (Mill.) Greuter & Burdet (GUID: ipni-921549-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Silene latifolia Poir.** according to ACCS ; Comments: ITIS
- **Silene latifolia Poiret** according to FNA ; Comments: FNA

Silene menziesii Hook. (GUID: ipni-157803-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Silene noctiflora L. (GUID: ipni-157910-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Silene ostenfeldii (A.E.Porsild) J.K.Morton (GUID: ipni-60437827-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Silene taimyrensis (Tolm.) Bocquet** according to WCSP ; Comments: WCSP

Silene parryi (S.Watson) C.L.Hitchc. & Maguire (GUID: ipni-158015-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Silene repens Patr. ex Pers. (GUID: trop-6301554). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Silene soczavana (Schischk.) Bocquet (GUID: ipni-158398-1). In Alaska according to PAF, ACCS, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Silene soczavana (Schischkin) Bocquet** according to ACCS ; Comments: Panarctic Flora Checklist
- **Silene uralensis subsp. porsildii Bocquet** according to FNA ; Comments: FNA

Silene soczavana var. macrosperma (A.E.Porsild) V.V.Petrovsky, D.F.Murray & Elven (GUID: ipni-77099607-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Silene soczavana (Schischk.) Bocquet** according to PAF ; Comments: Petrovsky, Murray, and Elven: The tetraploid, amph-Beringian plants of the [*Silene uralensis*] group have been treated in several ways. Bocquet (1967) accepted the Asian plant as [*S. soczavana*], whereas he treated the Alaskan plant as [*S. uralensis*] subsp. [*porsildii*]. In this he was followed by Morton (2005c). Earlier American authors have rather treated the Alaskan plant as [*Melandrium*], [*Lychnis*], or [*Silene macrosperma*] (e.g., Porsild 1939; Hultén 1968a, 1971b). We find the Asian and American plants essentially similar and assign them to one species for which [*S. soczavana*] is the priority name. [*Silene soczavana*] differs from [*S. uralensis*], besides in the ploidy level, in, e.g., rhizome branching pattern, leaf shape, emergence and colour of petals, and seed size and wings. Ecologically, it is a plant of dry scree and cliffs, whereas most of the others of this group prefer moist to wet sites (even mires). The differences in morphology are found in several features and with no overlap. No intermediates towards [*S. uralensis*] have been observed even if the range of [*S. soczavana*] almost entirely falls within that of [*S. uralensis*]. We can see no reason whatsoever for treating it as anything but a species. From morphological indications, the tetraploid [*S. soczavana*] is not result of hybridization with the [*S. linnaeaea*] group as are the other investigated polyploids of the [*Gastrolychnis*] group: [*S. involucrata*], [*S. ostefeldii*], and [*S. sorensenis*]. Bengt Oxelman's group should check if some other species, e.g., the northeastern Asian [*S. stenophylla*], could have furnished the other genome in [*S. soczavana*]. The characters distinguishing [*S. soczavana*] are not found in any of the northern diploids in the [*S. uralensis*] aggregate. We have compared material (ALA, CAN, DAO, LE) of the northeastern Asian [*Silene soczavana*] and the predominantly northwestern American [*Melandrium macrospermum*], including the types of both species names. We find little difference. The tetraploid chromosome number, morphology, ecology, and geography, all support a merger of [*Melandrium macrospermum*] with [*Silene soczavana*]. Bocquet considered his subsp. [*porsildii*] (= [*M. macrospermum*]) to be a local race in the central Alaskan mountains. From the material (ALA, CAN, LE, O) we have inspected, it is rather a fairly widespread plant from East Chukotka and the northern Bering Sea islands northeast to the Alaskan North Slope and south and southeast to Kodiak Island and northern British Columbia, perhaps to Alberta. Its range thereby encompasses that of the local [*S. soczavana*]. The chromosome counts from northeastern Asia must come from plants outside Bocquet's concept of the taxon. We are sure that this plant occurs in Chukotka (we collected it there in 2005 and have inspected material in LE) and the northern Bering Sea islands (ALA). [*Silene soczavana*] s. str. is confined to ultrabasic substrates and its differences from [*Melandrium macrospermum*] can be interpreted as modifications.
- **Silene soczavana (Schischkin) Bocquet** according to ACCS ; Comments: Panarctic Flora Checklist

Silene soczaviana var. macrosperma (A.E.Porsild) comb. nov. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Silene taimyrensis (Tolm.) Bocquet (GUID: ipni-236389-2). In Alaska according to ALA. An *accepted name* according to WCSP. A *synonym* of:

- **Silene ostefeldii (A.E.Porsild) J.K.Morton** according to ALA ; Comments: ALA Taxon List (maybe not directly equivalent); syn-of-syn: *Silene taimyrensis* (Tolm.) Bocquet -> *Gastrolychnis*

ostenfeldii (A.E.Porsild) V.V.Petrovsky; ; ALA Taxon List; ALA Taxon List*Elven, R. et al. 2003

Silene uralensis (Rupr.) Bocquet (GUID: ipni-158592-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, WCSP, ACCS, FNA**. A *synonym* of:

- **Silene uralensis subsp. uralensis** according to **ALA** ; Comments: ALA Taxon List; syn-of-syn: *Silene uralensis* (Rupr.) Bocquet -> *Gastrolychnis apetala* (L.) Tolm. & Kozhanch.; ; ALA Taxon List; ALA Taxon List*Elven, R. et al. 2003

Silene uralensis subsp. apetala (L.) Bocquet (GUID: trop-6302627). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Silene uralensis subsp. uralensis (Rupr.) Bocquet** according to **ACCS** ; Comments: Panarctic Flora Checklist

Silene uralensis subsp. arctica (Fr.) Bocquet (GUID: trop-50234513). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Silene uralensis subsp. ogilviensis (A.E. Porsild) Brunton (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Silene uralensis subsp. ogilviensis (A.E.Porsild) (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Silene uralensis subsp. ogilviensis (A.E.Porsild) D.F.Brunton. (GUID: ipni-920329-1). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, FNA**.

Silene uralensis subsp. porsildii Bocquet (GUID: ipni-236397-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Silene soczaviana var. macrosperma (A.E.Porsild) comb. nov.** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Silene soczavana (Schischk.) Bocquet** according to **PAF** ; Comments: Petrovsky, Murray, and Elven: The tetraploid, amphi-Beringian plants of the [*Silene uralensis*] group have been treated in several ways. Bocquet (1967) accepted the Asian plant as [*S. soczavana*], whereas he treated the Alaskan plant as [*S. uralensis*] subsp. [*porsildii*]. In this he was followed by Morton (2005c). Earlier American authors have rather treated the Alaskan plant as [*Melandrium*], [*Lychnis*], or [*Silene macrosperma*] (e.g., Porsild 1939; Hultén 1968a, 1971b). We find the Asian and American plants essentially similar and assign them to one species for which [*S. soczavana*] is the priority name. [*Silene soczavana*] differs from [*S. uralensis*], besides in the ploidy level, in, e.g., rhizome branching pattern, leaf shape, emergence and colour of petals, and seed size and wings. Ecologically, it is a plant of dry scree and cliffs, whereas most of the others of this group prefer moist to wet sites (even mires). The differences in morphology are found in several features and with no overlap. No intermediates towards [*S. uralensis*] have been observed even if the range of [*S. soczavana*] almost entirely falls within that of [*S. uralensis*]. We can see no reason whatsoever for treating it as anything but a species. From morphological indications, the tetraploid [*S. soczavana*] is not result of hybridization with the [*S. linnaeaea*] group as are the other investigated polyploids of the [*Gastrolychnis*] group: [*S. involucrata*], [*S. ostenfeldii*], and [*S. sorensenis*]. Bengt Oxelman's group should check if some other species, e.g., the northeastern Asian [*S. stenophylla*], could have furnished the other genome in [*S. soczavana*]. The characters distinguishing [*S. soczavana*] are not found in any of the northern diploids in the [*S. uralensis*] aggregate. We have compared material (ALA, CAN, DAO, LE) of the northeastern Asian [*Silene soczavana*] and the predominantly northwestern American [*Melandrium macrospermum*], including the types of both species names. We find little difference. The tetraploid chromosome number, morphology, ecology, and geography, all support a merger of [*Melandrium macrospermum*] with [*Silene soczavana*]. Bocquet considered his subsp.

[porsildii] (= [M. macrospermum]) to be a local race in the central Alaskan mountains. From the material (ALA, CAN, LE, O) we have inspected, it is rather a fairly widespread plant from East Chukotka and the northern Bering Sea islands northeast to the Alaskan North Slope and south and southeast to Kodiak Island and northern British Columbia, perhaps to Alberta. Its range thereby encompasses that of the local [S. soczavana]. The chromosome counts from northeastern Asia must come from plants outside Bocquet's concept of the taxon. We are sure that this plant occurs in Chukotka (we collected it there in 2005 and have inspected material in LE) and the northern Bering Sea islands (ALA). [Silene soczavana] s. str. is confined to ultrabasic substrates and its differences from [Melandrium macrospermum] can be interpreted as modifications.

- **Silene soczavana (Schischkin) Bocquet** according to ACCS ; Comments: Panarctic Flora Checklist

Silene uralensis subsp. uralensis (GUID: trop-6303634). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Silene uralensis subsp. uralensis (Rupr.) Bocquet (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Silene vulgaris (Moench) Garcke (GUID: ipni-90821-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Silene williamsii Britton (GUID: ipni-236413-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Spergula arvensis L. (GUID: ipni-104864-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Spergularia canadensis (Pers.) G. Don (GUID: ipni-30112447-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Spergularia canadensis var. occidentalis R.P. Rossb. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Spergularia canadensis var. occidentalis R. Rossbach (GUID: ipni-241311-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Spergularia rubra (L.) J. Presl & C. Presl (GUID: ipni-105326-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Stellaria alaskana Hultén (GUID: ipni-244135-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Stellaria borealis Bigelow (GUID: ipni-244154-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Stellaria borealis subsp. bongardiana (Fernald) Piper & Beattie (GUID: ipni-60428352-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Stellaria borealis subsp. sitchana (Steud.) Piper** according to ACCS ; Comments: Panarctic Flora Checklist
- **Stellaria borealis subsp. sitchana (Steudel) Piper & Beattie** according to FNA ; Comments: FNA

Stellaria borealis subsp. borealis (GUID: trop-6302060). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Stellaria borealis subsp. borealis Bigelow (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Stellaria borealis subsp. borealis Boreal starwort (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Stellaria borealis subsp. sitchana (Steud.) Piper (GUID: NULL). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Stellaria borealis subsp. sitchana (Steud.) Piper & Beattie (GUID: ipni-60428351-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Stellaria calycantha (Ledeb.) Bong. (GUID: ipni-244166-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Stellaria ciliatosepala Trautv. (GUID: ipni-159117-1). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Stellaria longipes Goldie** according to ALA ; Comments:
- **Stellaria longipes taxon edwardsii** according to PAF ; Comments: Elven and Petrovsky: We tentatively synonymize the North American name [*Stellaria edwardsii*] and the Eurasian name [*S. ciliatosepala*]. Hultén (1943a) only mentioned the name [*S. edwardsii*] in synonymy of [*S. ciliatosepala*] var. [*arctica*]. Löve's concept of [*S. edwardsii*] was collective and included [*S. ciliatosepala*]. The question mark for Norway is due to Chater and Heywood (1993) who accepted this species from Svalbard. As far as we know, only [*S. crassipes*] is present in Svalbard (Oftan 1989).
- **Stellaria longipes Goldie** according to ACCS ; Comments: Panarctic Flora Checklist
- **Stellaria longipes subsp. longipes** according to FNA ; Comments: FNA

Stellaria crassifolia Ehrh. (GUID: ipni-159126-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Stellaria crassipes Hultén (GUID: ipni-244183-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Stellaria longipes Goldie** according to ALA ; Comments: FNA 5; Flora of North America, vol. 5
- **Stellaria longipes Goldie** according to ACCS ; Comments: Panarctic Flora Checklist
- **Stellaria longipes subsp. longipes** according to FNA ; Comments: FNA

Stellaria crispa Cham. & Schltdl. (GUID: ipni-159131-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Stellaria dicranoides (Cham. & Schltdl.) Fenzl (GUID: ipni-244190-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Cherleria dicranoides Cham. & Schltdl.** according to ALA ; Comments: Elven, R. et al. 2003
- **Cherleria dicranoides Cham. & Schltdl.** according to ACCS ; Comments: Panarctic Flora Checklist

Stellaria humifusa Rottb. (GUID: ipni-159254-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Stellaria longifolia Muhl. ex Willd. (GUID: ipni-159311-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Stellaria longipes Goldie (GUID: ipni-285533-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Stellaria longipes subsp. longipes (GUID: trop-50200687). In Alaska according to FNA. An *accepted name* according to FNA.

Stellaria longipes taxon edwardsii (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Stellaria longipes taxon laeta (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Stellaria longipes taxon longipes (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Stellaria longipes taxon monantha (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Stellaria longipes taxon subvestita (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Stellaria media (L.) Vill. (GUID: ipni-159330-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Stellaria ruscifolia Pall. ex Schldl. (GUID: ipni-159445-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Stellaria ruscifolia subsp. aleutica Hultén (GUID: ipni-244277-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Stellaria ruscifolia Pall. ex Schldl.** according to **ALA** ; Comments: FNA 5; Flora of North America, vol. 5
- **Stellaria ruscifolia Pallas ex Schlechtendal** according to **FNA** ; Comments: FNA

Stellaria ruscifolia subsp. ruscifolia Pall. ex Schldl. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Stellaria umbellata Turcz. (GUID: ipni-159509-1). In Alaska according to **ALA**. An *accepted name* according to **ALA, WCSP**.

Stellaria umbellata Turcz. ex Kar. & Kir. (GUID: ipni-244294-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Stellaria umbellata Turczaninow (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Vaccaria hispanica (Mill.) Rauschert (GUID: ipni-159710-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Vaccaria pyramidata Medik. (GUID: ipni-155801-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Vaccaria hispanica (Mill.) Rauschert** according to **WCSP** ; Comments: WCSP
- **Vaccaria hispanica (Mill.) Rauschert** according to **ACCS** ; Comments: Flora of North America
- **Vaccaria hispanica (Miller) Rauschert** according to **FNA** ; Comments: FNA

Wilhelmsia physodes (Fisch. ex Ser.) McNeill (GUID: ipni-1214747-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Celastraceae

Parnassia fimbriata K.D.Koenig (GUID: ipni-792086-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Parnassia kotzebuei Cham. & Schltld. ex Spreng. (GUID: trop-29100036). In Alaska according to ALA. An *accepted name* according to ALA.

Parnassia kotzebuei Cham. ex Spreng. (GUID: ipni-30087162-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Parnassia palustris L. (GUID: ipni-792120-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Parnassia palustris subsp. neogaea (Fernald) Hultén (GUID: ipni-183316-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Parnassia palustris L.** according to WCSP ; Comments: WCSP
- **Parnassia palustris Linnaeus** according to FNA ; Comments: FNA

Parnassia palustris var. palustris (GUID: trop-29100776). In Alaska according to ACCS. An *accepted name* according to ACCS.

Parnassia parviflora DC. (GUID: ipni-183319-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Ceratophyllaceae

Ceratophyllum demersum L. (GUID: ipni-163064-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Convolvulaceae

Calystegia sepium (L.) R.Br. (GUID: ipni-143155-3). In Alaska according to ACCS. An *accepted name* according to ACCS.

Calystegia sepium subsp. sepium (L.) R. Br. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Convolvulus arvensis L. (GUID: ipni-94655-3). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cornaceae

Chamaepericlymenum canadense (L.) Asch. & Graebn. (GUID: ipni-1097468-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Cornus canadensis L.** according to WCSP ; Comments: WCSP
- **Cornus canadensis Linnaeus** according to FNA ; Comments: FNA

Chamaepericlymenum canadense (L.) Graebn. (GUID: NULL). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Chamaepericlymenum suecicum (L.) Asch. & Graebn. (GUID: ipni-1123232-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Cornus suecica L.** according to WCSP ; Comments: WCSP
- **Cornus suecica Linnaeus** according to FNA ; Comments: FNA

Chamaepericlymenum suecicum (L.) Graebn. (GUID: NULL). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Chamaepericlymenum unalaschkense (Ledeb.) Rydb. (GUID: ipni-55117-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Cornus unalaschkensis Ledebour** according to **FNA** ; Comments: **FNA**

Cornus alba L. (GUID: ipni-271494-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Swida stolonifera (Michx.) Rydb.** according to **ACCS** ; Comments: **D.F. Murray**

Cornus canadensis L. (GUID: ipni-271519-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Chamaepericlymenum canadense (L.) Graebn.** according to **ALA** ; Comments: **Elven, R. et al. 2003**
- **Chamaepericlymenum canadense (L.) Graebn.** according to **PAF** ; Comments:
- **Chamaepericlymenum canadense (L.) Asch. & Graebn.** according to **ACCS** ; Comments: **Panarctic Flora Checklist**

Cornus occidentalis (Torrey & A. Gray) Coville (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Cornus sericea L. (GUID: ipni-271666-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Swida stolonifera (Michx.) Rydb.** according to **ACCS** ; Comments: **D.F. Murray**

Cornus suecica L. (GUID: ipni-271681-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Chamaepericlymenum suecicum (L.) Graebn.** according to **ALA** ; Comments: **Elven, R. et al. 2003**
- **Chamaepericlymenum suecicum (L.) Graebn.** according to **PAF** ; Comments: **Elven and Murray: [Chamaepericlymenum suecicum] has an oceanic-suboceanic range in both Eurasia and North America, only partly overlapping with the much more continental range of [C. canadense]. The zones of contact are therefore limited.**
- **Chamaepericlymenum suecicum (L.) Asch. & Graebn.** according to **ACCS** ; Comments: **Panarctic Flora Checklist**

Cornus unalaschkensis Ledeb. (GUID: ipni-271698-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Chamaepericlymenum unalaschkense (Ledeb.) Rydb.** according to **ALA** ; Comments: **Elven, R. et al. 2003**
- **Chamaepericlymenum unalaschkense (Ledeb.) Rydb.** according to **PAF** ; Comments: **Elven and Murray: Bain and Denford (1979) concluded that [Cornus unalaschkensis] ([Chamaepericlymenum unalaschkense]) was the correct name for the tetraploid, based on a study of the size of the stomatal guard cells in material from the type area, the island of Unalaska. As [Chamaepericlymenum canadense] is continental and as the diploid hybrid has not been reported from the Aleutian Islands, we here rely on the conclusion of these authors. Ledebour (1844) distinguished [Cornus unalaschkensis] from the two others by the characters we apply today. The reports of chromosome counts of $2n = 44$ assigned under the name [Cornus canadensis] after the publication of Bain and Denford (1979) might indicate that the matter is not fully resolved, or they may have been based on a reliance on the erroneous account of the**

Löves. [Chamaepericlymenum unalaskense] has, understandably, been much confused with the diploid (primary) hybrid.

- **Chamaepericlymenum unalaskense (Ledeb.) Rydb.** according to ACCS ; Comments: Panarctic Flora Checklist

Swida sericea (L.) Holub (GUID: ipni-272007-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Cornus sericea L.** according to WCSP ; Comments: WCSP
- **Swida stolonifera (Michx.) Rydb.** according to ACCS ; Comments: D.F. Murray

Swida stolonifera (Michx.) Rydb. (GUID: ipni-271993-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Cornus sericea L.** according to WCSP ; Comments: WCSP

Crassulaceae

Crassula aquatica (L.) Schoenl. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Crassula aquatica (L.) Schönland (GUID: ipni-1167317-2). In Alaska according to FNA. An *accepted name* according to ALA, WCSP, FNA.

Crassula saginoides (Maxim.) M.Bywater & Wickens (GUID: ipni-275251-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Crassula aquatica (L.) Schoenl.** according to ACCS ; Comments: Flora of North America
- **Crassula aquatica (Linnaeus) Schönland in H. G. A. Engler and K. Prantl** according to FNA ; Comments: FNA

Gormania oregana (Nutt.) Britton (GUID: ipni-274136-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Sedum oreganum var. oreganum Nutt.** according to ACCS ; Comments: Flora of North America

Rhodiola integrifolia Raf. (GUID: ipni-274816-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Rhodiola integrifolia subsp. integrifolia (GUID: trop-50123158). In Alaska according to FNA, ACCS. An *accepted name* according to FNA, ACCS.

Rhodiola rosea L. (GUID: ipni-274865-1). In Alaska according to FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Sedum roseum (L.) Scop.** according to WCSP ; Comments: WCSP

Sedum divergens S.Watson (GUID: ipni-284815-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Sedum lanceolatum Torr. (GUID: ipni-284819-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Sedum lanceolatum var. lanceolatum (GUID: trop-8901379). In Alaska according to FNA. An *accepted name* according to FNA.

Sedum lanceolatum var. lanceolatum Torr. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Sedum oreganum Nutt. (GUID: ipni-284824-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Sedum oreganum var. oreganum (GUID: trop-50314300). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Sedum oreganum var. oreganum Nutt. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Cupressaceae

Callitropsis nootkatensis (D.Don) Oerst. (GUID: ipni-60450448-2). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Callitropsis nootkatensis (D.Don) Oerst. ex D.P.Little (GUID: kew-456789). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Cupressus nootkatensis D.Don** according to **WCSP** ; Comments: **WCSP**

Chamaecyparis nootkatensis (D.Don) Sudw. (GUID: ipni-676712-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Cupressus nootkatensis D.Don (GUID: ipni-261952-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Callitropsis nootkatensis (D. Don) Oerst. ex D.P. Little** according to **ACCS** ; Comments: D.F. Murray
- **Chamaecyparis nootkatensis (D. Don) Sudworth** according to **FNA** ; Comments: **FNA**

Juniperus communis L. (GUID: ipni-30088655-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Juniperus communis subsp. alpina (Suter) Celak. (GUID: trop-9400140). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Juniperus communis var. saxatilis Pall.** according to **WCSP** ; Comments: **WCSP**
- **Juniperus communis subsp. depressa (Pursh) Franco** according to **ACCS** ; Comments: Panarctic Flora Checklist

Juniperus communis subsp. depressa (Pursh) Franco (GUID: ipni-60443334-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Juniperus communis var. depressa Pursh** according to **WCSP** ; Comments: **WCSP**
- **Juniperus communis var. depressa Pursh** according to **FNA** ; Comments: **FNA**

Juniperus communis var. depressa Pursh (GUID: ipni-132467-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Juniperus communis subsp. depressa (Pursh) Franco** according to **ALA** ; Comments:
- **Juniperus communis subsp. depressa (Pursh) Franco** according to **PAF** ; Comments:
- **Juniperus communis subsp. depressa (Pursh) Franco** according to **ACCS** ; Comments: Panarctic Flora Checklist

Juniperus communis var. saxatilis Pall. (GUID: trop-9400329). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Juniperus communis subsp. depressa (Pursh) Franco** according to **ACCS** ; Comments: Panarctic Flora Checklist

Juniperus horizontalis Moench (GUID: ipni-262244-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Thuja plicata Donn ex D.Don (GUID: ipni-60443333-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Cyperaceae

Blismopsis rufa (Huds.) Oteng-Yeb. (GUID: trop-9905461). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Blismus rufus (Huds.) Link** according to WCSP ; Comments: WCSP

Blismopsis rufa (Huds.) Oteng-Yeboah (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Blismus rufus (Huds.) Link (GUID: trop-9900099). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Blismopsis rufa (Huds.) Oteng-Yeb.** according to ALA ; Comments: FNA 23; Flora of North America Editorial Committee. 2002. Flora of North America, vol. 23, Magnoliophyta: Commelinidae (in part): Cyperaceae.. Oxford University Press, New York. 608pp.
- **Blismopsis rufa (Huds.) Oteng-Yeboah** according to ACCS ; Comments: Flora of North America
- **Blismopsis rufa (Hudson) Oteng-Yeboah** according to FNA ; Comments: FNA

Bolboschoenus maritimus (L.) Palla (GUID: ipni-30370808-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Bolboschoenus maritimus subsp. paludosus (A.Nelson) T.Koyama (GUID: ipni-879466-1). In Alaska according to ALA, FNA. An *accepted name* according to ALA, WCSP, FNA.

Bolboschoenus maritimus subsp. paludosus (A.Nelson) Á.Löve & D.Löve (GUID: ipni-1205819-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex adelostoma V.I.Krecz. (GUID: ipni-298431-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex albonigra Mack. (GUID: ipni-298482-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex anthoxanthea C.Presl (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Carex anthoxanthea J. Presl & C. Presl (GUID: trop-9901488). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, WCSP, FNA.

Carex aquatilis Wahlenb. (GUID: ipni-298610-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Carex aquatilis subsp. aquatilis (GUID: trop-9900109). In Alaska according to ALA. An *accepted name* according to ALA.

Carex aquatilis subsp. stans (Drejer) Hultén (GUID: ipni-45759-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Carex concolor R. Br.** according to PAF ; Comments: Elven and Solstad: In case of rank as species, the name [Carex concolor] R. Br. 1823 has priority before [C. stans] Drejer 1841. The division on [C. aquatilis] and [C. concolor] have been made differently in different areas. In

Norway and Greenland, [*C. concolor*] (as [*C. aquatilis*] subsp. [stans]) has been considered a very northern and high-alpine, low-grown plant. In Russia, the majority of authors (e.g., Kuzeneva 1954; Egorova 1966a; Malyshev 1990) have applied a wider concept of it, including many more southern plants. This was confirmed by field investigations in northern Siberia in 2004 and Chukotka in 2005 where we mainly found what we would consider [*C. aquatilis*] in the European meaning in regions where the Russians mainly had reported the plants as subsp. [stans]. The North American concept of [*C. aquatilis*] var. [minor] (i.e., [*C. concolor*]) as applied by Standley et al. (2002) also seems to be much wider than the Greenland and European one. After survey of some northern European material, we now think that Russians and North Americans may have included too much material in [*C. concolor*]. We also found, to our surprise, that the majority of specimens (hundreds) that we now would assign to [*C. concolor*] from the Scandinavian mountains previously had been assigned to the hybrid [*C. aquatilis*] x [*bigelowii*], in spite of their fertility and of these two proposed parental species rarely growing close together. The results of Dragon and Barrington (2009) support a major taxon besides [*C. aquatilis*] and [*C. sitchensis*], including both the northern var. [minor] (subsp. [stans]) and the eastern North American var. [substricta] Kük. As for taxonomic revision, Dragon and Barrington preferred to make 'no change, pending broader sampling' as concerned [*C. aquatilis*].

- **Carex aquatilis var. minor Boott** according to **WCSP** ; Comments: WCSP
- **Carex concolor R. Br.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Carex aquatilis var. aquatilis (GUID: trop-9903506). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Carex aquatilis Wahlenb.** according to **WCSP** ; Comments: WCSP

Carex aquatilis var. dives (Holm) Kük. (GUID: ipni-1087061-2). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Carex sitchensis J.D. Prescott** according to **PAF** ; Comments: Tande and Lipkin (2003) mapped localities of [*Carex sitchensis*] in the Arctic in southwestern Alaska from the Yukon River Delta southwards. Standley et al. (2002) considered it a variety of [*C. aquatilis*]. It is better treated as a Pacific species, i.e., as [*C. sitchensis*], see the results of Dragon and Barrington (2009).

Carex aquatilis var. minor Boott (GUID: ipni-45753-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Carex concolor R. Br.** according to **PAF** ; Comments: Elven and Solstad: In case of rank as species, the name [*Carex concolor*] R. Br. 1823 has priority before [*C. stans*] Drejer 1841. The division on [*C. aquatilis*] and [*C. concolor*] have been made differently in different areas. In Norway and Greenland, [*C. concolor*] (as [*C. aquatilis*] subsp. [stans]) has been considered a very northern and high-alpine, low-grown plant. In Russia, the majority of authors (e.g., Kuzeneva 1954; Egorova 1966a; Malyshev 1990) have applied a wider concept of it, including many more southern plants. This was confirmed by field investigations in northern Siberia in 2004 and Chukotka in 2005 where we mainly found what we would consider [*C. aquatilis*] in the European meaning in regions where the Russians mainly had reported the plants as subsp. [stans]. The North American concept of [*C. aquatilis*] var. [minor] (i.e., [*C. concolor*]) as applied by Standley et al. (2002) also seems to be much wider than the Greenland and European one. After survey of some northern European material, we now think that Russians and North Americans may have included too much material in [*C. concolor*]. We also found, to our surprise, that the majority of specimens (hundreds) that we now would assign to [*C. concolor*] from the Scandinavian mountains previously had been assigned to the hybrid [*C. aquatilis*] x [*bigelowii*], in spite of their fertility and of these two proposed parental species rarely growing close together. The results of Dragon and Barrington (2009) support a major taxon besides [*C.*

aquaticis] and [*C. sitchensis*], including both the northern var. [minor] (subsp. [stans]) and the eastern North American var. [substricta] Kük. As for taxonomic revision, Dragon and Barrington preferred to make 'no change, pending broader sampling' as concerned [*C. aquaticis*].

- **Carex concolor R. Br.** according to ACCS ; Comments: Panarctic Flora Checklist

Carex aquaticis var. substricta Kük. (GUID: ipni-45760-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Carex aquaticis Wahlenb.** according to ACCS ; Comments: Panarctic Flora Checklist

Carex arcta Boott (GUID: ipni-298620-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Carex arctiformis Mack. (GUID: ipni-298624-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex arctogena Harry Sm. (GUID: ipni-298625-1). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Carex capitata Sol.** according to WCSP ; Comments: WCSP
- **Carex capitata Linnaeus** according to FNA ; Comments: FNA

Carex atherodes Spreng. (GUID: ipni-298689-1). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, WCSP, ACCS, ALA, FNA.

Carex athrostachya Olney (GUID: ipni-306895-2). In Alaska according to ACCS, FNA, ALA. An *accepted name* according to WCSP, ACCS, FNA, ALA.

Carex atratiformis Britton (GUID: ipni-45808-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex atrofusca Schkuhr (GUID: ipni-298703-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex atosquama Mack. (GUID: ipni-298713-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex aurea Nutt. (GUID: ipni-298721-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex bebbii (L.H.Bailey) Olney ex Fernald (GUID: ipni-45845-2). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Carex bebbii Olney (GUID: ipni-60453571-2). In Alaska according to ALA. An *accepted name* according to ALA.

Carex bicolor All. (GUID: ipni-156249-3). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Carex bicolor Bellardi ex All. (GUID: trop-9900122). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Carex bigelowii Torr. ex Schwein. (GUID: ipni-45854-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Carex bigelowii subsp. ensifolia (Turcz. ex Gorodkov) Holub. (GUID: kew-224952). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Carex bigelowii subsp. ensifolia (Turcz. ex Ledeb.) (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Carex bigelowii subsp. lugens (Holm) T.V.Egorova (GUID: ipni-879488-1). In Alaska according to ALA, FNA. An *accepted name* according to ALA, WCSP, FNA.

Carex boecheriana Á.Löve, D.Löve & Raymond (GUID: ipni-298856-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Carex krausei Boeck.** according to PAF ; Comments: Ball (2002b) applied the same synonymy for [Carex krausei] that we do. For the assignment of the names var. [major] and var. [robustior] to this species, see notes to [C. capillaris]. Of the proposed subspecies, also discussed by Ball (2002b), subsp. [krausei] has been suggested to be Russian, Siberian, and widely amphi-Beringian (RUS SIB RFE ALA CAN) and to be replaced by subsp. [porsildiana] in the amphi-Atlantic regions (CAN GRL ICE NOR) and by [C. boecheriana] in parts of Greenland (but this entity is also reported from the Yukon Territory by Porsild and Cody 1980). We do not see much difference between Beringian and North Atlantic plants. If races are recognized, it is most probable that the plants in Iceland, Svalbard, and Greenland belong to subsp. [porsildiana], whereas all those in the Beringian areas belong to subsp. [krausei].
- **Carex capillaris L.** according to ACCS ; Comments: A. Reznicek

Carex bonanzensis Britton (GUID: ipni-45871-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex borealipolaris S.R. Zhang (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex brunnescens (Pers.) Poir. (GUID: ipni-298964-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Carex brunnescens subsp. alaskana Kalela (GUID: ipni-45897-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Carex brunnescens (Pers.) Poir.** according to WCSP ; Comments: WCSP

Carex brunnescens subsp. pacifica Kalela (GUID: ipni-45899-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Carex brunnescens (Pers.) Poir.** according to ALA ; Comments: FNA 23; Flora of North America Editorial Committee. 2002. Flora of North America, vol. 23, Magnoliophyta: Commelinidae (in part): Cyperaceae.. Oxford University Press, New York. 608pp.
- **Carex brunnescens (Pers.) Poir.** according to WCSP ; Comments: WCSP

Carex buxbaumii Wahlenb. (GUID: ipni-156560-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex canescens L. (GUID: ipni-299030-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Carex canescens subsp. canescens (GUID: trop-9903826). In Alaska according to FNA, ACCS. An *accepted name* according to FNA, ACCS. A *synonym* of:

- **Carex canescens L.** according to WCSP ; Comments: WCSP

Carex capillaris L. (GUID: ipni-299037-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex capillaris subsp. fuscidula (V.I. Krecz. ex T.V. Egorova) Á. Löve & D. Löve (GUID: trop-9900140). In Alaska according to PAF. An *accepted name* according to PAF, ALA, WCSP.

Carex capillaris subsp. fuscidula (V.I.Krecz.) Á.Löve & D.Löve (GUID: ipni-1038638-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex capillaris var. elongata Olney ex Fernald (GUID: ipni-45930-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Carex capillaris L.** according to WCSP ; Comments: WCSP

Carex capitata L. (GUID: ipni-156762-3). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Carex chordorrhiza Ehrh. ex L. f. (GUID: trop-9900145). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, ACCS, ALA, FNA.

Carex circinata C.A. Mey. (GUID: trop-9901528). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, WCSP, FNA.

Carex concinna R.Br. (GUID: ipni-299224-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Carex concolor R.Br. (GUID: ipni-45991-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Carex aquatilis var. minor Boott** according to WCSP ; Comments: WCSP

Carex crawfordii Fernald (GUID: ipni-46005-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex deflexa Hornem. (GUID: ipni-30069377-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Carex deflexa var. deflexa (GUID: trop-50063052). In Alaska according to FNA. An *accepted name* according to FNA. A *synonym* of:

- **Carex deflexa Hornem.** according to WCSP ; Comments: WCSP

Carex deflexa var. deflexa Hornem. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex deweyana Schwein. (GUID: ipni-324474-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Carex deweyana var. deweyana (GUID: trop-9903840). In Alaska according to FNA. An *accepted name* according to FNA. A *synonym* of:

- **Carex deweyana Schwein.** according to WCSP ; Comments: WCSP

Carex deweyana var. deweyana Schwein. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex diandra Schrank (GUID: ipni-299441-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex dioica L. (GUID: ipni-330925-2). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Carex gynocrates Wormsk. ex Drejer** according to ACCS ; Comments: A. Reznicek

Carex disperma Dewey (GUID: ipni-299487-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex duriuscula C.A.Mey. (GUID: ipni-299559-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex eburnea Boott (GUID: ipni-299573-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex echinata Murray (GUID: ipni-46120-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Carex echinata subsp. echinata (GUID: trop-9910564). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Carex echinata Murray** according to **WCSP** ; Comments: WCSP

Carex echinata subsp. echinata Murray (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex echinata subsp. phyllomanica (W.Boott) Reznicek (GUID: ipni-46129-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex eleusinoides Turcz. ex Kunth (GUID: ipni-299603-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Carex eleusinoides Turczaninow ex Kunth (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Carex enanderi Hultén (GUID: ipni-299626-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Carex lenticularis var. dolia (M.E.Jones) L.A.Standl.** according to **WCSP** ; Comments: WCSP
- **Carex lenticularis var. dolia (M. E. Jones) L. A. Standley** according to **FNA** ; Comments: FNA

Carex enanderi T. Holm (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex filifolia Nutt. (GUID: ipni-299733-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Carex filifolia var. filifolia (GUID: trop-9910566). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Carex filifolia Nutt.** according to **WCSP** ; Comments: WCSP

Carex flava L. (GUID: ipni-157562-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex foenea Willd. (GUID: ipni-299787-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex franklinii Boott (GUID: ipni-299819-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Carex petricosa Dewey** according to **WCSP** ; Comments: WCSP
- **Carex petricosa var. petricosa Dewey** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Carex petricosa var. petricosa** according to **FNA** ; Comments: FNA
- **Carex petricosa var. petricosa** according to **PAF** ; Comments: Ball: [Carex franklinii] Boott, by some authors considered a species (e.g., Hultén 1968a; Porsild and Cody 1980; Cody 1996), is a synonym of [C. petricosa] Dewey. [Carex petricosa] seems to represent small high altitude plants, whereas [C. franklinii] seems to be larger plants from a lower altitude. There is ample material collected from the type area (Alberta) which illustrates the full range of variation.

Carex fuliginosa subsp. misandra Schkuhr (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex fuliginosa Schkuhr (GUID: ipni-299840-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex fuliginosa subsp. misandra (R.Br.) Nyman (GUID: ipni-60450638-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Carex fuliginosa Schkuhr** according to WCSP ; Comments: WCSP
- **Carex fuliginosa subsp. misandra Schkuhr** according to ACCS ; Comments: Panarctic Flora Checklist

Carex garberi Fernald (GUID: ipni-299894-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex glacialis Mack. (GUID: ipni-299942-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex glareosa Schkuhr ex Wahlenb. (GUID: ipni-299945-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Carex glareosa Wahlenb. (GUID: ipni-46255-2). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Carex glareosa subsp. glareosa (GUID: trop-9903498). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Carex glareosa Schkuhr ex Wahlenb.** according to WCSP ; Comments: WCSP

Carex glareosa subsp. glareosa Schkuhr ex Wahlenb. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex glareosa subsp. pribylovensis (Macoun) G. Halliday & Chater (GUID: trop-9903499). In Alaska according to FNA, ALA. An *accepted name* according to FNA, ALA, WCSP.

Carex glareosa subsp. pribylovensis (Macoun) P.Halliday & Chater (GUID: ipni-46258-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex gmelinii Hook. & Arn. (GUID: ipni-299969-1). In Alaska according to ALA, PAF, ACCS, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA. A *synonym* of:

- **Carex gmelinii Hook. & Arn.** according to ACCS ; Comments: A. Reznicek

Carex gynocrates Wormsk. (GUID: ipni-300042-1). In Alaska according to PAF. An *accepted name* according to PAF, WCSP.

Carex gynocrates Wormsk. ex Drejer (GUID: trop-9900191). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Carex heleonastes Ehrh. ex L.f. (GUID: ipni-300118-1). In Alaska according to ALA, PAF. An *accepted name* according to ALA, WCSP, PAF.

Carex heleonastes L. f. (GUID: trop-9900193). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Carex heleonastes subsp. heleonastes (GUID: trop-9903851). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Carex heleonastes Ehrh. ex L.f.** according to WCSP ; Comments: WCSP
- **Carex heleonastes L. f.** according to ACCS ; Comments: A. Reznicek

Carex holostoma Drejer (GUID: ipni-46344-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex hoodii Boott (GUID: ipni-300195-1). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **WCSP, ACCS, ALA, FNA**.

Carex incurviformis Mack. (GUID: ipni-1180337-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex interior L.H.Bailey (GUID: ipni-46396-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex kelloggii Boott in W.H.Brewer & S.Watson (GUID: ipni-274075-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Carex kelloggii W. Boott (GUID: trop-9901612). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Carex lenticularis var. lipocarpa (Holm) L. A. Standley** according to **FNA** ; Comments: **FNA**
- **Carex lenticularis var. lipocarpa (Holm) L.A.Standl.** according to **WCSP** ; Comments: **WCSP**

Carex krausei Boeck. (GUID: trop-9900039). In Alaska according to **ACCS, FNA, ALA, PAF**. An *accepted name* according to **WCSP, ACCS, FNA, ALA, PAF**.

Carex krausei subsp. porsildiana (Polunin) Á.Löve, D.Löve & Raymond (GUID: kew-227827). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Carex krausei Boeckeler** according to **ACCS** ; Comments: **A. Reznicek**

Carex lachenalii Schkuhr (GUID: ipni-332083-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex laeviculmis Meinsh. (GUID: ipni-300514-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex lapponica O.Lang (GUID: ipni-300554-1). In Alaska according to **ALA, PAF, FNA, ACCS**. An *accepted name* according to **ALA, WCSP, PAF, FNA, ACCS**.

Carex lasiocarpa Ehrh. (GUID: ipni-30041747-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex lasiocarpa var. americana Fernald (GUID: ipni-46465-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Carex lasiocarpa Ehrh.** according to **ACCS** ; Comments: **A. Reznicek**

Carex laxa Wahlenb. (GUID: ipni-300579-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex lenticularis var. dolia (M.E.Jones) L.A.Standl. (GUID: ipni-924119-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Carex enanderi Hultén** according to **ALA** ; Comments: **Standley 85**
- **Carex enanderi T. Holm** according to **ACCS** ; Comments: **Panarctic Flora Checklist**

Carex lenticularis var. limnophila (Holm) Cronquist in C. L. Hitchcock et al. (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Carex lenticularis var. lipocarpa (Holm) L.A.Standl. (GUID: ipni-1099832-2). In Alaska according to **ALA, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Carex kelloggii W.Boott** according to **ALA** ; Comments: ALA Taxon List; ALA Taxon List; ALA Taxon List
- **Carex kelloggii Boott** according to **PAF** ; Comments:

Carex leptalea Wahlenb. (GUID: ipni-300629-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex leptalea subsp. pacifica Calder & R.L.Taylor (GUID: kew-228109). In Alaska according to **ALA**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Carex leptalea Wahlenb.** according to **ALA** ; Comments: FNA 23; Flora of North America Editorial Committee. 2002. Flora of North America, vol. 23, Magnoliophyta: Commelinidae (in part): Cyperaceae.. Oxford University Press, New York. 608pp.

Carex limosa L. (GUID: ipni-300678-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex livida (Wahlenb.) Willd. (GUID: trop-9900217). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex loliacea L. (GUID: ipni-300720-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex lyngbyei Hornem. (GUID: ipni-300794-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex lyngbyei subsp. cryptocarpa (C.A.Mey.) Hultén (GUID: kew-330885). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF**. A *synonym* of:

- **Carex lyngbyei Hornem.** according to **WCSP** ; Comments: WCSP
- **Carex lyngbyei Hornem.** according to **ACCS** ; Comments: A. Reznicek

Carex mackenziei V.I.Krecz. (GUID: ipni-300802-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Carex macloviana d'Urv. (GUID: ipni-300803-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex macloviana subsp. pachystachya (Cham. ex Steud.) Hultén (GUID: ipni-46576-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Carex pachystachya Cham. ex Steud.** according to **PAF** ; Comments: [Carex pachystachya] occurs within or very close to the Arctic in the eastern Richardson Mountains - Mackenzie River area in the Northwest Territories (Hultén 1968a). Porsild and Cody (1980) mapped it close to the Arctic in the Great Bear Lake area but Mastrogiuseppe et al. (2002) did not map it from the Northwest Territories.
- **Carex pachystachya Cham. ex Steud.** according to **ACCS** ; Comments: A. Reznicek
- **Carex pachystachya Chamisso ex Steudel** according to **FNA** ; Comments: FNA

Carex macrocephala Willd. ex Spreng. (GUID: trop-9901634). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **WCSP, ACCS, ALA, FNA**.

Carex macrochaeta C.A.Mey. (GUID: ipni-300811-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Carex magellanica subsp. irrigua Hiitonen (GUID: trop-9905824). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Carex marina Dewey (GUID: ipni-300882-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex marina subsp. marina (GUID: trop-9904777). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**. A *synonym* of:

- **Carex marina Dewey** according to **WCSP** ; Comments: WCSP

Carex marina subsp. marina Dewey (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex maritima Gunnerus (GUID: ipni-300885-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex media R. Br. ex Richardson (GUID: trop-9901639). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Carex media R.Br. (GUID: ipni-300908-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex membranacea Hook. (GUID: ipni-300940-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex mertensii J.D. Prescott ex Bong. (GUID: trop-9901645). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Carex mertensii Presc. ex Bong. (GUID: ipni-300953-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Carex mertensii Prescott ex Bong. (GUID: kew-228604). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Carex microchaeta T. Holm (GUID: trop-9901648). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex microchaeta subsp. microchaeta (GUID: trop-50122910). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**. A *synonym* of:

- **Carex microchaeta Holm** according to **WCSP** ; Comments: WCSP

Carex microchaeta subsp. microchaeta T. Holm (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex microchaeta subsp. nesophila (Holm) D.F.Murray (GUID: ipni-46635-2). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, WCSP, PAF, FNA**.

Carex microchaeta subsp. nesophila (T. Holm) A.E. Murray (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex microglochin Wahlenb. (GUID: ipni-300975-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Carex microglochin subsp. microglochin (GUID: kew-228640). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Carex microglochin Wahlenb.** according to **WCSP** ; Comments: WCSP

Carex micropoda C.A.Mey. (GUID: ipni-46639-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Carex myosuroides Vill. (GUID: ipni-301123-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Kobresia myosuroides (Vill.) Fiori** according to **PAF** ; Comments:
- **Kobresia myosuroides (Vill.) Fiori** according to **WCSP** ; Comments: WCSP

- **Kobresia myosuroides (Villars) Fiori** in A. Fiori et al. according to FNA ; Comments: FNA
- Carex nardina Fr.** (GUID: ipni-301143-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Carex nardina subsp. hepburnii (Boott) Á. Löve & D. Löve & Kapoor** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Carex nardina subsp. hepburnii (Boott) Á.Löve, D.Löve & B.M.Kapoor** (GUID: ipni-46704-2). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:
- **Carex nardina var. hepburnii (Boott) Kük.** according to WCSP ; Comments: WCSP
 - **Carex nardina Fries** according to FNA ; Comments: FNA
- Carex nardina var. hepburnii (Boott) Kük.** (GUID: ipni-1052204-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Carex nardina subsp. hepburnii (Boott) Á. Löve & D. Löve & Kapoor** according to ACCS ; Comments: Panarctic Flora Checklist
 - **Carex nardina Fries** according to FNA ; Comments: FNA
- Carex nigricans C.A.Mey.** (GUID: ipni-301213-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Carex norvegica subsp. conicorostrata Kalela** (GUID: ipni-46740-2). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:
- **Carex norvegica Retz.** according to WCSP ; Comments: WCSP
- Carex obtusata Lilj.** (GUID: ipni-301282-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Carex oederi subsp. viridula (Michx.) Hultén** (GUID: ipni-46772-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Carex viridula Michx.** according to WCSP ; Comments: WCSP
 - **Carex viridula subsp. viridula Michx.** according to ACCS ; Comments: A. Reznicek
 - **Carex viridula var. viridula** according to FNA ; Comments: FNA
- Carex pachystachya Cham. ex Steud.** (GUID: ipni-301393-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:
- **Carex macloviana subsp. pachystachya (Cham. ex Steud.) Hultén** according to WCSP ; Comments: WCSP
- Carex parryana Dewey** (GUID: ipni-324594-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Carex pauciflora Lightf.** (GUID: ipni-301464-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Carex paupercula Michx.** (GUID: ipni-301470-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:
- **Carex magellanica subsp. irrigua (Wahlenb.) Hiitonen** according to WCSP ; Comments: WCSP
 - **Carex magellanica subsp. irrigua (Wahlenburg) Hiitonen** according to FNA ; Comments: FNA
- Carex peckii Howe** (GUID: ipni-46832-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex pellita Willd. (GUID: ipni-320271-2). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Carex petasata Dewey (GUID: ipni-301532-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex petricosa Dewey (GUID: ipni-301539-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Carex petricosa var. petricosa (GUID: trop-9903913). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**. A *synonym* of:

- **Carex petricosa Dewey** according to **WCSP** ; Comments: WCSP

Carex petricosa var. petricosa Dewey (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex phaeocephala Piper (GUID: ipni-301547-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex pluriflora Hultén (GUID: ipni-46898-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, WCSP, ACCS, FNA**. A *synonym* of:

- **Carex rariflora subsp. pluriflora (Hultén) T.V.Egorova** according to **ALA** ; Comments: Egorova 1999; Egorova, T. V. 1999. The sedges (Carex) of Russia and Adjacent States. St. Petersburg State Chemical-Pharmaceutical Academy and Missouri Botanical Garden Press.772pp.

Carex podocarpa R. Br. ex Richardson (GUID: trop-9900270). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Carex podocarpa R.Br. (GUID: ipni-301639-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex praegracilis W.Boott (GUID: ipni-301682-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex praticola Rydb. (GUID: ipni-301696-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex preslii Steud. (GUID: ipni-301700-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex ramenskii Kom. (GUID: ipni-46964-2). In Alaska according to **FNA, ALA, PAF, ACCS**. An *accepted name* according to **FNA, ALA, PAF, WCSP, ACCS**.

Carex ramenskii taxon pacific_race (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Carex rariflora (Wahlenb.) Sm. (GUID: ipni-301871-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex rariflora subsp. pluriflora (Hultén) T.V.Egorova (GUID: ipni-924127-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Carex pluriflora Hultén** according to **WCSP** ; Comments: WCSP
- **Carex pluriflora Hultén** according to **ACCS** ; Comments: A. Reznicek

Carex rariflora subsp. rariflora (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Carex rossii Boott (GUID: ipni-301999-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex rostrata Stokes (GUID: ipni-302002-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex rotundata Wahlenb. (GUID: ipni-302008-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex rupestris All. (GUID: ipni-302034-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex sabulosa Turcz. ex Kunth (GUID: ipni-302042-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Carex sabulosa Turczaninow ex Kunth (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Carex sartwellii Dewey (GUID: ipni-47041-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Carex saxatilis L. (GUID: ipni-302087-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex saxatilis subsp. laxa (Trautv.) Kalela (GUID: ipni-47047-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Carex saxatilis L.** according to **WCSP** ; Comments: **WCSP**

Carex scirpoidea Michx. (GUID: ipni-324607-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Carex scirpoidea subsp. scirpoidea (GUID: trop-50120464). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Carex scirpoidea subsp. scirpoidea Michx. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex scirpoidea subsp. stenochlaena () A.Love & D.Love (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Carex scirpoidea subsp. stenochlaena (Holm) Á.Löve & D.Löve (GUID: ipni-47068-2). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, FNA**. A *synonym* of:

- **Carex scirpoidea var. stenochlaena Holm** according to **WCSP** ; Comments: **WCSP**

Carex scirpoidea subsp. stenochlaena (T. Holm) Á. Löve & D. Löve (GUID: trop-9903065). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex siccata Dewey (GUID: ipni-302247-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Carex foenea Willd.** according to **ACCS** ; Comments: **A. Reznicek**

Carex simpliciuscula Wahlenb. (GUID: ipni-302266-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Kobresia simpliciuscula (Wahlenb.) Mack.** according to **WCSP** ; Comments: **WCSP**
- **Kobresia simpliciuscula (Wahlenberg) Mackenzie** according to **FNA** ; Comments: **FNA**

Carex simpliciuscula subsp. subholarctica (T.V. Egorova) (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex sitchensis J.D. Prescott (GUID: trop-9903086). In Alaska according to **PAF, ALA**. An *accepted name* according to **PAF, ALA**.

Carex sitchensis Prescott ex Bong. (GUID: ipni-47114-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex soperi Raup (GUID: ipni-47123-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Carex macloviana d'Urv.** according to **WCSP** ; Comments: WCSP
- **Carex macloviana d'Urv.** according to **ACCS** ; Comments: A. Reznicek

Carex spectabilis Dewey (GUID: ipni-302334-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Carex sprengei Dewey ex Spreng. (GUID: ipni-302364-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Carex sprengei Sprengel (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Carex stipata Muhl. ex Willd. (GUID: ipni-20008061-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Carex stipata var. stipata (GUID: trop-9903626). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Carex stipata Muhl. ex Willd.** according to **WCSP** ; Comments: WCSP

Carex stipata var. stipata Muhl. ex Willd. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Carex stylosa C.A.Mey. (GUID: ipni-302431-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Carex stylosa var. stylosa (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Carex subspathacea Wormsk. (GUID: ipni-302475-1). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Carex subspathacea Wormsk. ex Hornem. (GUID: kew-231329). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Carex subspathacea subsp. subspathacea (GUID: trop-9906507). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Carex supina Willd. ex Wahlenb. (GUID: trop-9900307). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS, ALA**.

Carex supina subsp. spaniocarpa (Steud.) Hultén (GUID: ipni-47244-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Carex supina var. spaniocarpa (Steud.) B.Boivin** according to **WCSP** ; Comments: WCSP

Carex supina var. spaniocarpa (Steud.) B.Boivin (GUID: ipni-47245-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Carex supina subsp. spaniocarpa (Steud.) Hultén** according to **ACCS** ; Comments: Panarctic Flora Checklist

Carex sychnocephala Carey (GUID: ipni-302514-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Carex sychnocephala J. Carey (GUID: trop-9900309). In Alaska according to FNA. An *accepted name* according to FNA, WCSP.

Carex tahoensis Smiley (GUID: ipni-47248-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Carex tenuiflora Wahlenb. (GUID: ipni-302587-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex ursina Dewey (GUID: ipni-47345-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex utriculata Boott (GUID: ipni-302835-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex vaginata Tausch (GUID: ipni-302842-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Carex vaginata subsp. *algida* (Turcz. ex V.I. Krecz.) (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Carex viridula Michx. (GUID: ipni-47410-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Carex viridula subsp. *viridula* (GUID: trop-50063001). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Carex viridula** Michx. according to WCSP ; Comments: WCSP

Carex viridula subsp. *viridula* Michx. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Carex viridula var. *viridula* (GUID: trop-9905297). In Alaska according to FNA. An *accepted name* according to FNA.

Carex williamsii Britton (GUID: ipni-47444-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Carex xerantica L.H.Bailey (GUID: ipni-47450-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Dulichium arundinaceum (L.) Britton (GUID: ipni-306596-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Dulichium arundinaceum var. *arundinaceum* (L.) Britton (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eleocharis acicularis (L.) Roem. & Schult. (GUID: ipni-1169169-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Eleocharis acicularis subsp. *acicularis* (L.) Roem. & Schult. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eleocharis erythropoda Steud. (GUID: ipni-306814-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Eleocharis kamtschatica (C.A. Mey.) Kom. (GUID: trop-9901880). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, ACCS, ALA, WCSP, FNA.

Eleocharis macrostachya Britton (GUID: ipni-306926-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Eleocharis mamillata (H.Lindb.) H.Lindb. (GUID: ipni-306931-1). In Alaska according to ALA, PAF. An *accepted name* according to ALA, WCSP, PAF.

Eleocharis mamillata (Lindb. f.) Lindb. f. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eleocharis mamillata subsp. mamillata (GUID: trop-50183047). In Alaska according to FNA. An *accepted name* according to FNA. A *synonym* of:

- **Eleocharis mamillata** (H.Lindb.) H.Lindb. according to WCSP ; Comments: WCSP

Eleocharis mamillata subsp. mamillata (Lindb. f.) Lindb. f. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eleocharis nitida Fernald (GUID: ipni-89745-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Eleocharis palustris (L.) Roem. & Schult. (GUID: ipni-1094314-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Eleocharis palustris subsp. palustris (GUID: trop-9900351). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Eleocharis palustris** (L.) Roem. & Schult. according to WCSP ; Comments: WCSP

Eleocharis palustris subsp. palustris (L.) Roem. & Schult. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eleocharis quinqueflora (Hartmann) O.Schwarz (GUID: ipni-307064-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, FNA. A *synonym* of:

- **Eleocharis suksdorfiana** P. Beauv. according to ACCS ; Comments: Panarctic Flora Checklist

Eleocharis quinqueflora subsp. fernaldii (Svenson) Hultén (GUID: ipni-89809-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Eleocharis quinqueflora** (Hartmann) O.Schwarz according to ALA ; Comments: FNA 23; Flora of North America Editorial Committee. 2002. Flora of North America, vol. 23, Magnoliophyta: Commelinidae (in part): Cyperaceae.. Oxford University Press, New York. 608pp.
- **Eleocharis quinqueflora** (Hartmann) O.Schwarz according to WCSP ; Comments: WCSP
- **Eleocharis quinqueflora** (Hartmann) O. Schwarz according to FNA ; Comments: FNA
- **Eleocharis suksdorfiana** P. Beauv. according to ACCS ; Comments: Panarctic Flora Checklist

Eleocharis suksdorfiana P. Beauv. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eriophorum angustifolium Honck. (GUID: ipni-95697-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Eriophorum angustifolium subsp. angustifolium (GUID: trop-50215403). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Eriophorum angustifolium** Honck. according to WCSP ; Comments: WCSP

Eriophorum angustifolium subsp. scabriusculum Hultén (GUID: ipni-95702-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Eriophorum komarovii V.N. Vassil.** according to **PAF** ; Comments: Elven and Murray: We have seen one specimen (ALA) of [*Eriophorum komarovii*] from an arctic locality, on Nunivak Island in western Alaska. Novoselova (1998) reported this taxon from the Lena-Kolyma area, eastern Siberia, Angara-Sayan, Dahuria, Mongolia, northeastern China, Ussuri, Sakhalin, the Okhotsk area, Kamtchatka, the southern Anadyr area, southern Alaska, the Rocky Mountains, northern U.S.A., and southern Canada. Hultén (1936) characterized his subsp. [*scabriusculum*] by scabrous peduncles and narrow leaves. The ranges mapped by Hultén (1962) for his subsp. [*scabriusculum*] and by Novoselova (1998) for her subsp. [*komarovii*] are nearly identical and show a southern pattern compared with [*E. angustifolium*] s. str. in Asia and North America. Our determinations of specimens support both these authors and confirm that the two names represent one taxon. Elven and Murray (in prep.) discuss its characters and its range in northwestern North America. Plants with the diagnostic features of [*E. komarovii*] are frequent in boreal North American material and have regularly been identified as ['triste']. This has probably been a major reason for the reluctance by some to accept [*E. triste*]. Three morphologically rather different taxa with different ranges and ecological demands were tried encompassed within two taxa. Ball and Wujek (2002) considered the plants we assign to [*E. komarovii*] as transitional between their subsp. [*angustifolium*] and subsp. [*triste*]. We disagree; the only feature shared by [*E. triste*] and [*E. komarovii*] is the scabrous peduncles. Ecologically and geographically, [*E. komarovii*] and [*E. triste*] are at the opposite ends of the variation pattern in many characters, with [*E. angustifolium*] in the middle.
- **Eriophorum angustifolium subsp. triste (T.C.E.Fr.) Hultén** according to **WCSP** ; Comments: WCSP
- **Eriophorum angustifolium Honck.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Eriophorum angustifolium subsp. triste (Th.Fr.) Hultén (GUID: ipni-95706-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Eriophorum triste (Th. Fr.) Hadac & Á. Löve** according to **PAF** ; Comments: Elven: The collection cited above should probably be regarded as the holotype. Fries assigned the other original material at UPS to a f. [*uniceps*] ('Kingsbay', 17.08.1868, leg. Th.M. Fries, two sheets). Novoselova: [*Eriophorum triste*] differs from [*E. angustifolium*] s. str. in uppermost leaf sheath funnel-shaped vs. cylindrical; peduncle arcuate, scabrous, up to 2 cm long vs. drooping, mostly smooth, up to 5-10 cm long; flowering spikelets ovoid to almost spherical vs. oblong-ovoid or oblong-elliptical; fruiting heads obovoid vs. bell-shaped or narrowly bell-shaped; scales blackish and without whitish margins vs. brownish grey, greyish, reddish or ferruginous with white margins; anthers (1.8) 2.5-2.8 (3) mm vs. (2.5) 3-4 (5) mm long; achenes widely obovoid, 2-2.5 mm long vs. oblong-obovoid or oblong-elliptical, (2.5) 2.8-3 (3.5) mm long; and chromosome number $2n = 60$ vs. 58. Elven and Murray: We have confirmed the characters given by Novoselova above on material from North America, Greenland, and Svalbard. They separate reliably between two taxa. One opinion of [*E. triste*] has been as a specialist of high-arctic shallow mires and seepage on clearly calcareous substrates. The problem is that the most easily observed character, the scabrous peduncles, also appears in much more southern plants, i.e., in alpine plants south of the Arctic and in the lowland [*E. komarovii*]. Those familiar with [*E. triste*] in its arctic (and alpine) sites usually accept it and preferably as species. Those who have relied on herbarium specimens and scabrous peduncles alone are much more reluctant to accept it, and especially skeptical are those who regard it as widespread and largely sympatric with [*E. angustifolium*] s. str. (e.g., Tolmachev 1966a in Russia; Hultén 1968a in Alaska; Porsild and Cody 1980 in Canada; Ball & Wujek 2002 in North America). A closer study of North American material has convinced us to accept [*E. triste*] as a distinct and widespread species in the northern and alpine parts of North America and in Greenland, extending slightly into northern Europe in Svalbard and Novaya Zemlya, and into northern Asia in Wrangel Island and northern mainland Chukotka. The southernmost plants we have seen are from the

Hudson Bay area and northern British Columbia. As [*E. triste*] mainly is a North American (and Greenlandic) species, it is ironic that Russian and European authors have given it attention, whereas it has been largely neglected by North American ones. The separating features from [*E. angustifolium*] are not restricted to the scabrous peduncles (which North American authors have looked at and misinterpreted, see [*E. komarovii*]), but the subrotund and always short-pedunculate spikes, the white to slightly greyish wool, the lowermost subtending bract which is dark grey to black to the margins, and the flat and spreading basal leaves. These characters immediately distinguish [*E. triste*] both from [*E. angustifolium*] and from the scabrous-peduncled [*E. komarovii*] (spikes narrowly oblong or ovoid, wool often pinkish, lowermost subtending bract hyaline-margined and reddish, peduncles extended, and basal leaves nearly filiform and erect). A somewhat quixotic argument for [*E. triste*] as species is its hybridization pattern. The hybrid species [*E.*] x [*sorensenii*] (from [*E. scheuchzeri*] x [*E. triste*]) is present in several regions where [*E. triste*] is found. Hybrids between [*E. angustifolium*] and [*E. scheuchzeri*] must be extremely rare if they exist, in spite of very frequent co-occurrence of the putative parents, often in mixed stands. Inasmuch as [*E.*] x [*sorensenii*] occurs only within the range of one of the subspecies of [*E. scheuchzeri*] (subsp. [*arcticum*]), the reason for the different hybridization pattern may be found in that species. The slight difference in chromosome number between [*E. angustifolium*] and [*E. triste*] may be less important. $2n = 60$ is the only number known from plants that certainly belong to [*E. triste*] (Flovik 1943 from Svalbard; Holmen 1952 from Peary Land; Mosquin and Hayley 1966 from Melville Island). However, Löve and Löve (1975a) referred this number, for plants they called [*E. triste*], also from areas where that species otherwise is unknown, e.g., Iceland (see above), and there are at least reports of three counts of $2n = 60$ from mainland Chukotka and one from British Columbia. Some of these reports may belong to [*E. triste*] as its range now is accepted.

- ***Eriophorum triste* (Th. Fr.) Hadac & Á. Löve** according to ACCS ; Comments: Panarctic Flora Checklist

***Eriophorum angustifolium* var. *coloratum* Hultén** (GUID: ipni-95699-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Eriophorum angustifolium* Honck.** according to WCSP ; Comments: WCSP
- ***Eriophorum angustifolium* Honck.** according to ACCS ; Comments: Panarctic Flora Checklist

***Eriophorum angustifolium* var. *giganteum* Hultén** (GUID: ipni-95700-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Eriophorum angustifolium* Honck.** according to WCSP ; Comments: WCSP
- ***Eriophorum angustifolium* Honck.** according to ACCS ; Comments: Panarctic Flora Checklist

***Eriophorum brachyantherum* Trautv. & C.A.Mey.** (GUID: ipni-307342-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

***Eriophorum callitrix* Cham.** (GUID: trop-9900359). In Alaska according to FNA. An *accepted name* according to FNA.

***Eriophorum callitrix* Cham. ex C.A.Mey.** (GUID: kew-244530). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

***Eriophorum callitrix* var. *moravium* Raymond** (GUID: ipni-95712-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Eriophorum callitrix* Cham. ex C.A.Mey.** according to WCSP ; Comments: WCSP
- ***Eriophorum callitrix* Cham. ex C.A. Mey.** according to ACCS ; Comments: Panarctic Flora Checklist

***Eriophorum callitrix* var. *pallidus* Hultén** (GUID: ipni-95713-2). In Alaska according to ACCS. An

accepted name according to ALA. A *synonym* of:

- **Eriophorum callitrix Cham. ex C.A. Mey.** according to ACCS ; Comments: Panarctic Flora Checklist

Eriophorum chamissonis C.A.Mey. (GUID: ipni-95714-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Eriophorum gracile W.D.J. Koch ex Roth (GUID: trop-9900360). In Alaska according to FNA. An *accepted name* according to FNA.

Eriophorum gracile W.D.J.Koch (GUID: ipni-307364-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Eriophorum gracile subsp. gracile (GUID: NULL). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Eriophorum gracile subsp. gracile W.D.J. Koch (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eriophorum komarovii V.N.Vassil. (GUID: ipni-307374-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Eriophorum angustifolium subsp. komarovii (V.N.Vassil.) Vorosch.** according to WCSP ; Comments: WCSP

Eriophorum medium Andersson (GUID: ipni-307381-1). In Alaska according to PAF, ACCS, ACCS. An *accepted name* according to PAF, WCSP, ACCS. A *synonym* of:

- **Eriophorum × medium Andersson** according to ACCS ; Comments: Panarctic Flora Checklist

Eriophorum medium subsp. album J.Cay. (GUID: ipni-60437708-2). In Alaska according to PAF, ACCS, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Eriophorum × medium subsp. album J. Cay** according to ACCS ; Comments: Panarctic Flora Checklist

Eriophorum russeolum Fr. ex Hartm. (GUID: ipni-77112412-1). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Eriophorum chamissonis C.A.Mey.** according to WCSP ; Comments: WCSP

Eriophorum russeolum subsp. leiocarpum (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Eriophorum russeolum subsp. leiocarpum M.S.Novos. (GUID: ipni-303411-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Eriophorum chamissonis C.A.Mey.** according to WCSP ; Comments: WCSP

Eriophorum russeolum subsp. rufescens (Andersson) Hyl. (GUID: kew-244595). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Eriophorum medium Andersson** according to PAF ; Comments: Novoselova: Morphological characters of [Eriophorum x medium] are intermediate between the parents, as is often noted in the literature (Raymond 1954; Tolmachev 1966a; Egorova 1976; Jermy 1980; Kozhevnikov 1988). It has obovoid fruiting heads like [E. russeolum], whereas [E. scheuchzeri] has spherical or half-spherical heads. Scale coloration of [E. x medium] is very similar to [E. scheuchzeri], but shape of scales (lanceolate, pointed) is intermediate between the ovoid, slightly obtuse ones of [E. russeolum] and the narrowly lanceolate, very long-pointed ones of [E. scheuchzeri]. Anthers of [E. x medium] are considerably shorter, (0.8) 0.9-1 (1.2) mm, than those of [E. russeolum], (1.5)

2-3 mm, but slightly longer than those of [*E. scheuchzeri*], 0.5-1 mm. The achenes of [*E. x medium*] are narrowly obovoid, elongate and glabrate, (2) 2.1-2.5 x 0.6-0.7 mm, and are closer to those of [*E. scheuchzeri*] (same shape, 1.9-2 (2.3) x 0.5-0.6 mm) than to those of [*E. russeolum*] (obovoid, very rarely elliptical, usually with small spicules at apex, 2-2.2 (2.5) x (0.8) 0.9-1 mm). [*Eriophorum x medium*] is only rarely found in sites where both its presumed parents are present. Numerous authors (Hultén 1927, 1960; Tolmachev 1966a; Kozhevnikov 1988; Timokhina and Bondareva 1990) have reported a very wide range of [*E. x medium*]. This might be due to misidentifications of other species of [*Eriophorum*], first of all, non-typical plants of [*E. russeolum*] [subsp. [*russeolum*]] with light-coloured fruiting heads, darker scales with narrow white margins, shorter anthers and glabrate achenes, and second, [*E. russeolum*] subsp. [*leiocarpum*]. The main difference between [*E. x medium*] and subsp. [*leiocarpum*] is achenes narrowly obovoid, elongate, always smooth vs. obovoid, rarely elliptical, very rarely with a few spicules at apex. And third, [*E. tolmatchevii*], the main differences between which and [*E. x medium*] are obovoid fruiting heads with entangled bristles vs. widely bell-shaped, rarely almost spherical, with non-tangled, very plain glossy bristles; and scales dark grey, slightly brownish near margins, with very narrow white margins and with prominent red stripes vs. dark grey to black, usually with rather wide white margins, rarely with reddish stripes. Elven: In northern Norway, [*E. x medium*] occurs independent of [*E. russeolum*], rarely in the same mires and more often than [*E. russeolum*] in coastal regions. It produces well-developed anthers and full-size fruits and probably disperses independent of the parents. It often appears as a pioneer in disturbed sites (ditches, wet road verges etc.) far away from its putative parents, a strong suggestion that it produces well germinable fruits. It is an acceptable hybrid species rather than merely a hybrid. The synonymization of Andersson's [*E. rufescens*] ([*E. russeolum*] subsp. [*rufescens*]) with this hybrid species is not uniformly supported but is probable. Andersson described his [*E. rufescens*] from the same region where Fries and Hartman described their [*E. russeolum*], i.e., northern Sweden ('Lapland'). Ball and Wujek (2002) synonymized [*E. rufescens*] with their [*E. chamissonis*]. Elven and Murray: [*Eriophorum x medium*] as described above by Novoselova is nearly restricted to the general overlap of the ranges of [*E. russeolum*] subsp. [*russeolum*] and [*E. scheuchzeri*] subsp. [*scheuchzeri*]. In its typical form, it is missing from the Arctic in the Russian Far East, Alaska, and northwestern Canada where [*E. russeolum*] subsp. [*leiocarpum*] overlaps with [*E. scheuchzeri*] subsp. [*arcticum*]. However, a plant combining some of the features of these two subspecies has been collected repeatedly from several localities on the coastal plain and Arctic Slope of northwestern and northern Alaska (ALA). Combining features are found especially in the shape and color of the scales and the low number of red cells in them, and in anthers of intermediate (or small) lengths. However, the plants have globular flowering (and fruiting) heads and very stout culms, the latter feature distinguishing them from both presumed parents and also from the Russian Far East [*E. tolmatchevii*]. Their anthers are at least partly aborting, often retained in the wool until late in the season. The fruiting heads rarely disintegrate and fruits probably abort. These plants are tentatively entered in the distribution table as [*E. x medium*] but deviate strongly from the other plants assigned there. Cayouette (2004) accepted two nothosubspecies of [*E. x medium*], based on hybrids involving different subspecies of [*E. russeolum*]. If the northern Beringian plants are confirmed to have originated from [*E. russeolum*] subsp. [*leiocarpum*] x [*E. scheuchzeri*] subsp. [*arcticum*], they would constitute a third nothosubspecies.

- ***Eriophorum chamissonis* C.A.Mey.** according to **WCSP** ; Comments: WCSP

***Eriophorum scheuchzeri* Hoppe** (GUID: ipni-307404-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Eriophorum scheuchzeri* subsp. *arcticum (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

***Eriophorum scheuchzeri* subsp. *arcticum* M.S.Novos.** (GUID: ipni-981358-1). In Alaska according

to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Eriophorum scheuchzeri Hoppe** according to WCSP ; Comments: WCSP

Eriophorum scheuchzeri subsp. arcticum Novoselova (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eriophorum scheuchzeri subsp. scheuchzeri (GUID: trop-9910496). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Eriophorum scheuchzeri subsp. scheuchzeri Hoppe (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Eriophorum triste (Th.Fr.) Hadač & Á.Löve (GUID: ipni-95758-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Eriophorum vaginatum L. (GUID: ipni-307418-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Eriophorum vaginatum subsp. vaginatum (GUID: trop-9900365). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Eriophorum viridicarinatum (Engelm.) Fernald (GUID: ipni-1167170-2). In Alaska according to PAF, ACCS, ALA, ACCS, FNA. An *accepted name* according to PAF, WCSP, ACCS, ALA, FNA. A *synonym* of:

- **Eriophorum viridicarinatum (Engelm.) Fernald** according to ACCS ; Comments: Panarctic Flora Checklist

Eriophorum × sorensenii Raymond (GUID: ipni-288206-2). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Eriophorum × rousseauianum Raymond** according to WCSP ; Comments: WCSP

Isolepis cernua (Vahl) Roem. & Schult. (GUID: ipni-87216-3). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Isolepis cernua var. cernua (Vahl) Roem. & Schult. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Kobresia filifolia (Turcz.) C.B. Clarke (GUID: trop-9904985). In Alaska according to ACCS. An *accepted name* according to ACCS, WCSP.

Kobresia filifolia subsp. subfilifolia T.V.Egorova, Jurtzev & V.V.Petrovsky (GUID: kew-250986). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Kobresia simpliciuscula subsp. subfilifolia (T.V.Egorova, Jurtzev & V.V.Petrovsky) T.V.Egorova** according to WCSP ; Comments: WCSP

Kobresia myosuroides (Vill.) Fiori (GUID: ipni-30047400-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, WCSP, FNA. A *synonym* of:

- **Carex myosuroides Vill.** according to ACCS ; Comments: A. Reznicek

Kobresia myosuroides (Vill.) Fiori & Paol. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Kobresia schoenoides (C.A. Mey.) Steud. (GUID: trop-9906089). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Carex borealipolaris S.R. Zhang** according to ACCS ; Comments: A. Reznicek

Kobresia sibirica (Turcz. ex Ledeb.) Boeck. (GUID: trop-9900381). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Kobresia sibirica (Turcz.) Boeckeler (GUID: kew-251088). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Carex borealipolaris S.R. Zhang** according to **ACCS** ; Comments: A. Reznicek

Kobresia simpliciuscula (Wahlenb.) Mack. (GUID: trop-9900091). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, FNA**. A *synonym* of:

- **Carex simpliciuscula Wahlenb.** according to **ACCS** ; Comments: A. Reznicek

Kobresia simpliciuscula subsp. subholarctica T.V.Egorova (GUID: kew-251093). In Alaska according to **ALA, PAF, ACCS, ACCS**. An *accepted name* according to **ALA, WCSP, PAF**. A *synonym* of:

- **Carex simpliciuscula subsp. subholarctica (T.V. Egorova)** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Carex simpliciuscula subsp. subholarctica (T.V. Egorova)** according to **ACCS** ; Comments: Panarctic Flora Checklist

Rhynchospora alba (L.) Vahl (GUID: ipni-1070770-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Schoenoplectus acutus (Muhl. ex Bigelow) A. Love & D. Love (GUID: trop-50008918). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Schoenoplectus acutus var. acutus (GUID: trop-50008919). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Schoenoplectus acutus (Muhl. ex Bigelow) Á.Löve & D.Löve** according to **WCSP** ; Comments: WCSP

Schoenoplectus pungens (Vahl) Palla (GUID: ipni-1134675-2). In Alaska according to **ACCS, FNA, ALA**. An *accepted name* according to **WCSP, ACCS, FNA, ALA**.

Schoenoplectus subterminalis (Torr.) Soják (GUID: ipni-229823-2). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **WCSP, ACCS, ALA, FNA**.

Schoenoplectus tabernaemontani (C.C.Gmel.) Palla (GUID: ipni-1019164-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, ALA, ACCS, FNA**.

Scirpus maritimus L. (GUID: ipni-313875-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Bolboschoenus maritimus (L.) Palla** according to **WCSP** ; Comments: WCSP
- **Bolboschoenus maritimus (L.) Palla** according to **ACCS** ; Comments: Flora of North America

Scirpus microcarpus J.Presl & C.Presl (GUID: ipni-313911-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Trichophorum alpinum (L.) Pers. (GUID: trop-9903494). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Trichophorum cespitosum (L.) Hartm. (GUID: ipni-1077793-2). In Alaska according to **ACCS, ALA**. An *accepted name* according to **WCSP, ACCS, ALA**.

Trichophorum cespitosum (L.) Schur (GUID: ipni-315463-1). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, FNA**.

Trichophorum pumilum (Vahl) Schinz & Thell. (GUID: trop-9903495). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Trichophorum pumilum var. rollandii (Fernald) Hultén (GUID: trop-9903496). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Trichophorum pumilum subsp. rollandii (Fernald) R.L.Taylor & MacBryde** according to WCSP ; Comments: WCSP
- **Trichophorum pumilum (Vahl) Schinz & Thell.** according to ACCS ; Comments: Flora of North America
- **Trichophorum pumilum (Vahl) Schinz & Thellung** according to FNA ; Comments: FNA

Cystopteridaceae

Cystopteris fragilis (L.) Bernh. (GUID: ipni-137725-3). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Cystopteris montana (Lam.) Bernh. ex Desv. (GUID: ipni-60451528-2). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, FNA.

Cystopteris montana (Lam.) Desv. (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Gymnocarpium continentale (Petrov) Pojark. (GUID: ipni-17396780-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Gymnocarpium jessoense subsp. parvulum Sarvela** according to ALA ; Comments: FNA 2; Flora of North America Editorial Committee. 1993. Flora of North America vol. 2. Oxford Univ. Press, New York

Gymnocarpium disjunctum (Rupr.) Ching (GUID: ipni-1170595-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Gymnocarpium dryopteris (L.) Newman (GUID: trop-26600166). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Gymnocarpium jessoense subsp. parvulum Sarvela (GUID: ipni-292163-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Gymnocarpium continentale (Petrov) Pojark.** according to PAF ; Comments: In Siberia, Tolmachev (1960) reported the species to reach the Arctic only in Kharaulakh and Danilov (1988b) to reach the Borderline Arctic only in Taimyr. [*Gymnocarpium continentale*] is present in northern Fennoscandia but does not reach the Arctic there. The rank of this tetraploid taxon is disputed, either species ([*G. continentale*], e.g., Sarvela et al. 1981; Pryer et al. 1983; Sarvela 2000a) or subsp. [*parvulum*] of the otherwise diploid [*G. jessoense*] (Koidz.) Koidz. (Pryer 1993). Tzvelev: There are numerous intermediates between [*G. continentale*] and [*G. jessoense*] s. str. It seems strange to keep [*G. continentale*] as a species when many other and better defined entities are treated as subspecies. Elven: If the names [*G. jessoense*] and [*G. continentale*] connect to, respectively, the diploid and the tetraploid, the existence of frequent intermediates needs support by counts of intermediate chromosome numbers (and spore fertility information) for rank as two subspecies to be the more appropriate choice. It is in accordance with prevailing principles in pteridophyte taxonomy to recognize entities at different ploidy levels as species if supported by morphology. The tetraploids and higher levels very often include two or more different diploid genomes.
- **Gymnocarpium continentale (Petrov) Pojark.** according to ACCS ; Comments: Panarctic Flora Checklist

Gymnocarpium × brittonianum (Sarvela) Pryer & Haugler (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Gymnocarpium × intermedium J.Sarvela (GUID: ipni-17550990-1). In Alaska according to PAF. An *accepted name* according to PAF.

Gymnocarpium × intermedium Sarvela (GUID: trop-26604933). In Alaska according to ACCS. An *accepted name* according to ACCS.

Dennstaedtiaceae

Pteridium aquilinum (L.) Kuhn (GUID: ipni-17210060-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Pteridium aquilinum var. pubescens Underw. (GUID: ipni-213796-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Diapensiaceae

Diapensia lapponica subsp. obovata (F.Schmidt) Hultén (GUID: ipni-78997-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Diapensia obovata (F. Schmidt) Nakai** according to PAF ; Comments:
- **Diapensia obovata (F. Schmidt) Nakai** according to ACCS ; Comments: Panarctic Flora Checklist
- **Diapensia obovata (F. Schmidt) Nakai** according to FNA ; Comments: FNA

Diapensia obovata (F. Schmidt) Nakai (GUID: trop-10500007). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA. A *synonym* of:

- **Diapensia lapponica subsp. obovata (F.Schmidt) Hultén** according to WCSP ; Comments: WCSP

Droseraceae

Drosera anglica Huds. (GUID: ipni-321780-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Drosera rotundifolia L. (GUID: ipni-319182-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Drosera rotundifolia var. gracilis Laest. (GUID: trop-11400038). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Drosera rotundifolia L.** according to ACCS ; Comments: Panarctic Flora Checklist

Dryopteridaceae

Dryopteris expansa (C. Presl) Fraser-Jenkins & Jermy (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Dryopteris expansa (C.Presl) Fraser-Jenk. & Jermy (GUID: ipni-84669-2). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Dryopteris fragrans (L.) Schott (GUID: ipni-17095220-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Polystichum aleuticum C. Chr. (GUID: trop-26602424). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **ACCS, ALA, FNA**.

Polystichum andersonii Hopkins (GUID: ipni-17288720-1). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **ACCS, ALA, FNA**.

Polystichum braunii (Spenn.) Fée (GUID: ipni-17206080-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Polystichum kruckebergii W.H.Wagner (GUID: ipni-208006-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Polystichum lonchitis (L.) Roth (GUID: ipni-17207420-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Polystichum microchlamys (H. Christ) Matsum. (GUID: trop-26602437). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Polystichum munitum (Kaulf.) C.Presl (GUID: ipni-17207740-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Polystichum setigerum (C. Presl) C. Presl (GUID: trop-26605926). In Alaska according to **ACCS, FNA, ALA**. An *accepted name* according to **ACCS, FNA, ALA**.

Elaeagnaceae

Elaeagnus commutata Bernh. (GUID: ipni-323670-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Elaeagnus commutata Bernh. ex Rydb. (GUID: ipni-315523-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Shepherdia canadensis (L.) Nutt. (GUID: trop-11600005). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Elatinaceae

Elatine rubella Rydb. (GUID: ipni-89519-2). In Alaska according to **PAF**. An *accepted name* according to **PAF, WCSP**.

Equisetaceae

Equisetum arvense L. (GUID: ipni-300073-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Equisetum arvense subsp. alpestre (Wahlenb.) (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Equisetum arvense subsp. alpestre (Wahlenb.) Schonswetter & Elven (GUID: trop-50326530). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Equisetum arvense subsp. arvense L. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Equisetum fluviatile L. (GUID: ipni-30041462-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**.

Equisetum fluviatile L. **ampl.** Ehrh. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Equisetum hyemale L. (GUID: ipni-92939-2). In Alaska according to **ACCS, ACCS**. An *accepted name* according to **WCSP, ACCS**. A *synonym* of:

- **Equisetum hyemale** subsp. **affine** (Engelm.) Calder & R.L.Taylor according to **ALA** ;
Comments:
- **Equisetum hyemale** L. according to **ACCS** ; Comments: Panarctic Flora Checklist

Equisetum hyemale subsp. **affine** (Engelm.) Calder & Roy L.Taylor (GUID: ipni-92940-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Equisetum palustre L. (GUID: ipni-30039890-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Equisetum pratense Ehrh. (GUID: ipni-60437142-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Equisetum scirpoides Michx. (GUID: ipni-93018-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Equisetum sylvaticum L. (GUID: ipni-303325-2). In Alaska according to **PAF, ACCS, ALA, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, ALA, FNA**. A *synonym* of:

- **Equisetum sylvaticum** L. according to **ACCS** ; Comments: Panarctic Flora Checklist

Equisetum telmateia subsp. **braunii** (Milde) Hauke (GUID: ipni-17559440-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Equisetum variegatum Schleich. ex F.Weber & D.Mohr (GUID: ipni-93031-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Equisetum variegatum subsp. **alaskanum** (A.A.Eaton) Hultén (GUID: ipni-1219915-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Equisetum variegatum subsp. **variegatum** (GUID: trop-26604937). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Equisetum variegatum subsp. **variegatum** Schleicher ex F. Weber & D. Mohr (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Equisetum variegatum var. **variegatum** Schleich. ex F. Weber & D. Mohr (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Equisetum × **litorale** Kühlewein (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Equisetum × **littorale** Kühlew. ex Rupr. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Ericaceae

Andromeda polifolia L. (GUID: ipni-326349-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Andromeda polifolia subsp. pumila V.M.Vinogr. (GUID: ipni-915774-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Andromeda polifolia var. polifolia (GUID: trop-12302582). In Alaska according to FNA, ACCS. An *accepted name* according to FNA. A *synonym* of:

- **Andromeda polifolia subsp. pumila** V.M. Vinogr. according to ACCS ; Comments: Panarctic Flora Checklist

Arctostaphylos uva-ursi (L.) Spreng. (GUID: ipni-1024084-2). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, WCSP, ACCS, ALA, FNA.

Arctous alpina (L.) Nied. (GUID: ipni-1047425-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Arctous rubra (Rehder & E.H.Wilson) Nakai (GUID: ipni-1144908-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to WCSP, PAF, ACCS, FNA.

Arctous rubra (Rehder & E.H.Wilson) Nakai & Koidz. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Cassiope lycopodioides (Pall.) D. Don (GUID: trop-12300595). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, ACCS, ALA, WCSP, FNA.

Cassiope mertensiana (Bong.) G.Don (GUID: ipni-30188630-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP, ALA, ACCS.

Cassiope mertensiana subsp. mertensiana (GUID: trop-12302501). In Alaska according to FNA. An *accepted name* according to ALA, FNA.

Cassiope mertensiana subsp. mertensiana (Bong.) G. Don (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cassiope stelleriana (Pall.) DC. (GUID: trop-12302437). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Harrimanella stelleriana (Pall.) Coville** according to ALA ; Comments: Wallace annos; Meidinger 1999; Meidinger, D. 1999. Ericaceae. Pages 14-55 in Douglas et al., eds. Illustrated Flora of British Columbia Vol. 3.
- **Harrimanella stelleriana (Pall.) Coville** according to PAF ; Comments:
- **Harrimanella stelleriana (Pall.) Coville** according to ACCS ; Comments: Panarctic Flora Checklist

Cassiope tetragona (L.) D.Don (GUID: ipni-1043713-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Cassiope tetragona subsp. saximontana (Small) A.E.Porsild (GUID: ipni-49212-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA. A *synonym* of:

- **Cassiope tetragona var. saximontana (Small) C.L.Hitchc.** according to WCSP ; Comments: WCSP

Cassiope tetragona subsp. tetragona (GUID: trop-12302492). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Cassiope tetragona subsp. tetragona (L.) D. Don (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cassiope tetragona var. saximontana (Small) C.L.Hitchc. (GUID: ipni-49213-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Cassiope tetragona subsp. saximontana (Small) A.E. Porsild** according to ACCS ; Comments: Panarctic Flora Checklist
- Chamaedaphne calyculata (L.) Moench** (GUID: ipni-1058520-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Chamaedaphne calyculata var. angustifolia (Aiton) Rehder** (GUID: ipni-1072070-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Chamaedaphne calyculata (L.) Moench** according to ACCS ; Comments: Panarctic Flora Checklist
- Chamaedaphne calyculata var. latifolia (Aiton) Fernald** (GUID: ipni-54819-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Chamaedaphne calyculata (L.) Moench** according to ACCS ; Comments: Panarctic Flora Checklist
- Chimaphila umbellata (L.) W.P.C.Barton** (GUID: ipni-60442655-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.
- Chimaphila umbellata subsp. occidentalis (Rydb.) Hultén** (GUID: ipni-56507-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:
- **Chimaphila umbellata subsp. umbellata (L.) W.P.C. Barton** according to ACCS ; Comments: Flora of North America
- Chimaphila umbellata subsp. umbellata** (GUID: trop-26800157). In Alaska according to FNA. An *accepted name* according to FNA.
- Chimaphila umbellata subsp. umbellata (L.) W.P.C. Barton** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Cladothamnus pyroliflorus Bong.** (GUID: ipni-59659-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Elliottia pyroliflora (Bong.) S.W.Brim & P.F.Stevens** according to WCSP ; Comments: WCSP
 - **Elliottia pyroliflora (Bong.) S.W. Brim & P.F. Stevens** according to ACCS ; Comments: Flora of North America
- Elliottia pyroliflora (Bong.) Brim & P.F.Stevens** (GUID: ipni-90056-2). In Alaska according to FNA. An *accepted name* according to FNA.
- Elliottia pyroliflora (Bong.) S.W.Brim & P.F.Stevens** (GUID: ipni-328054-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.
- Empetrum nigrum L.** (GUID: ipni-30371508-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Empetrum nigrum subsp. hermaphroditum (Hagerup) Böcher** (GUID: ipni-1008797-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Empetrum nigrum L.** according to PAF ; Comments:
 - **Empetrum nigrum L.** according to ACCS ; Comments: Panarctic Flora Checklist
- Gaultheria miqueliana Takeda** (GUID: ipni-330610-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Gaultheria pyroloides Hook.f. & Thomson ex Miq.** according to WCSP ; Comments: WCSP
 - **Gaultheria pyroloides Hooker f. & Thompson ex Miquel** according to ACCS ; Comments: Flora of North America

- **Gaultheria pyroloides Hooker f. & Thomson ex Miquel** according to FNA ; Comments: FNA
Gaultheria pyroloides Hook.f. & Thomson ex Miq. (GUID: ipni-330666-1). In Alaska according to FNA. An *accepted name* according to WCSP, FNA.
- Gaultheria pyroloides Hooker f. & Thompson ex Miquel** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Gaultheria shallon Pursh** (GUID: ipni-330701-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Harrimanella stelleriana (Pall.) Coville** (GUID: trop-12300608). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.
- Harrimanella stelleriana (Pallas) Coville** (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.
- Kalmia microphylla (Hook.) A.Heller** (GUID: ipni-133234-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Kalmia microphylla var. microphylla** (GUID: trop-50101436). In Alaska according to FNA. An *accepted name* according to FNA.
- Kalmia microphylla var. occidentalis (Small) Ebinger** (GUID: ipni-880093-1). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:
 - **Kalmia microphylla (Hook.) A. Heller** according to ACCS ; Comments: Flora of North America
- Kalmia polifolia Wangenh.** (GUID: ipni-330898-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
 - **Kalmia microphylla (Hook.) A. Heller** according to ACCS ; Comments: Flora of North America
- Kalmia procumbens (L.) Gift & Kron** (GUID: ipni-77095106-1). In Alaska according to FNA. An *accepted name* according to FNA.
- Kalmia procumbens (L.) Gift et al. ex Galasso, Banfi & F.Conti** (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.
- Kalmia procumbens (L.) Gift, Kron & P.F.Stevens ex Galasso, Banfi & F.Conti** (GUID: ipni-77070250-1). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Ledum groenlandicum Oeder** (GUID: ipni-330974-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:
 - **Rhododendron groenlandicum (Oeder) Kron & Judd** according to PAF ; Comments:
 - **Ledum palustre subsp. groenlandicum (Oeder) Hultén** according to WCSP ; Comments: WCSP
 - **Rhododendron groenlandicum (Oeder) K.A. Kron & W.S. Judd** according to ACCS ; Comments: Panarctic Flora Checklist
- Ledum palustre L.** (GUID: ipni-330981-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:
 - **Rhododendron tomentosum Harmaja** according to ACCS ; Comments: Panarctic Flora Checklist
- Ledum palustre subsp. decumbens (Aiton) Hultén** (GUID: ipni-137019-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Rhododendron tomentosum subsp. decumbens (Aiton) Elven & D.F. Murray** according to PAF ; Comments: Occurrence of subsp. [decumbens] in northern European Russia remains to be convincingly documented. Harmaja (1990) considered this taxon a species and coined the nomen novum [Rhododendron subarcticum] with [Ledum palustre] var. [decumbens] as its typonym, due to the previously described [R. decumbens] D. Don ex G. Don, Gen. Hist. 3: 846 (1834). Wallace (1992) rather considered it a subspecies, like we do, and recombined it as subsp. [subarcticum], probably unaware that the epithet ['decumbens'] has priority at level of subspecies also in [Rhododendron].
- **Rhododendron tomentosum subsp. decumbens (Aiton) Elven & D.F. Murray** according to ACCS ; Comments: Panarctic Flora Checklist

Ledum palustre subsp. groenlandicum (Oeder) Hultén (GUID: ipni-1098936-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Rhododendron groenlandicum (Oeder) Kron & Judd** according to PAF ; Comments:
- **Rhododendron groenlandicum (Oeder) K.A. Kron & W.S. Judd** according to ACCS ; Comments: Panarctic Flora Checklist

Loiseleuria procumbens (L.) Desv. (GUID: ipni-331093-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Kalmia procumbens (L.) Gift et al. ex Galasso, Banfi & F.Conti** according to PAF ; Comments: Elven: The first publication of the combination by Gift, Kron, and Stevens in Kron et al. (2002) was without basionym reference. Galasso et al. validated the combination in 2005. The second validation, by Kron et al., Nordic J. Bot. 26: 47 (2008), was made without knowledge of the previous one and is superfluous.
- **Kalmia procumbens (L.) Gift, Kron & P.F. Stevens ex Galasso, Banfi & F. Conti** according to ACCS ; Comments: Panarctic Flora Checklist

Menziesia ferruginea Sm. (GUID: ipni-30074990-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Moneses uniflora (L.) A. Gray (GUID: trop-26800115). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, ACCS, ALA, FNA.

Monotropa hypopithys L. (GUID: ipni-582546-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Monotropa hypopitys L. (GUID: ipni-163883-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, FNA. A *synonym* of:

- **Monotropa hypopithys L.** according to ACCS ; Comments: Flora of North America

Monotropa hypopitys subsp. lanuginosa (Michx.) H.Hara (GUID: ipni-163887-2). In Alaska according to ACCS, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Monotropa hypopithys L.** according to ACCS ; Comments: Flora of North America
- **Monotropa hypopithys L.** according to ACCS ; Comments: Flora of North America

Monotropa uniflora L. (GUID: ipni-582557-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Orthilia obtusata (Turcz.) H.Hara (GUID: ipni-77108638-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Orthilia secunda (L.) House (GUID: ipni-176704-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Orthilia secunda subsp. obtusata (Turcz.) Böcher (GUID: ipni-1030219-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Orthilia obtusata (Turcz.) H. Hara** according to **PAF** ; Comments:
- **Orthilia obtusata (Turcz.) H. Hara** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Orthilia secunda (Linnaeus) House** according to **FNA** ; Comments: FNA

Orthilia secunda subsp. secunda (GUID: trop-26800219). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Oxycoccus microcarpus Turcz. ex Rupr. (GUID: ipni-858563-1). In Alaska according to **PAF, ACCS, ALA, ACCS, ACCS**. An *accepted name* according to **PAF, ACCS, ALA**. A *synonym* of:

- **Vaccinium microcarpum (Turcz. ex Rupr.) Schmalh.** according to **WCSP** ; Comments: WCSP
- **Oxycoccus microcarpus Turcz. ex Rupr.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Oxycoccus microcarpus Turcz. ex Rupr.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Vaccinium oxycoccus Linnaeus** according to **FNA** ; Comments: FNA

Oxycoccus palustris Pers. (GUID: ipni-858565-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Vaccinium oxycoccus L.** according to **WCSP** ; Comments: WCSP
- **Oxycoccus microcarpus Turcz. ex Rupr.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Vaccinium oxycoccus Linnaeus** according to **FNA** ; Comments: FNA

Phyllodoce aleutica (Spreng.) A.Heller (GUID: ipni-195239-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**.

Phyllodoce aleutica subsp. aleutica (GUID: trop-12302491). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Phyllodoce aleutica subsp. glanduliflora (Hook.) Hultén (GUID: ipni-1008108-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Phyllodoce glanduliflora (Hook.) Coville** according to **ACCS** ; Comments: Panarctic Flora Checklist

Phyllodoce caerulea (L.) Bab. (GUID: ipni-1024147-2). In Alaska according to **PAF, ACCS, ALA, ACCS, FNA**. An *accepted name* according to **PAF, WCSP, ACCS, ALA, FNA**. A *synonym* of:

- **Phyllodoce caerulea (L.) Bab.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Phyllodoce empetriformis (Sm.) D.Don (GUID: ipni-30058816-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Phyllodoce glanduliflora (Hook.) Coville (GUID: ipni-1172617-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Phyllodoce aleutica subsp. glanduliflora (Hook.) Hultén** according to **ALA** ; Comments: ALA Taxon List; ALA Taxon List; ALA Taxon List

Phyllodoce glanduliflora (Hooker) Coville (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Pterospora andromedea Nutt. (GUID: ipni-582569-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Pyrola asarifolia Michx. (GUID: ipni-331795-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Pyrola asarifolia subsp. asarifolia (GUID: trop-50074164). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Pyrola asarifolia subsp. asarifolia Michx. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Pyrola asarifolia subsp. bracteata (Hook.) Haber (GUID: ipni-214880-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Pyrola asarifolia subsp. incarnata (DC.) A.E.Murray (GUID: ipni-921377-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Pyrola asarifolia Michx.** according to **PAF** ; Comments: Three races have been described: the North American subsp. [asarifolia], the either Asian (Haber and Takahashi 1988; Freeman 2009a) or more widely and northerly distributed (e.g., Hultén 1968a) subsp. [incarnata], and the Pacific American subsp. [bracteata] (Hooker) Haber. Hultén (1968a and elsewhere) recognized a mainly temperate to boreal North American var. [asarifolia] and a more northern var. [purpurata] (same as [P. incarnata]) in northern Asia and North America, in America strongly overlapping with var. [asarifolia]. Haber and Takahashi (1988), followed by Freeman (2009a), considered all American plants as subsp. [asarifolia] (and subsp. [bracteata]), all Asian plants as subsp. [incarnata]. Haber (1983) synonymized subsp. [incarnata] with subsp. [asarifolia]. Löve and Löve (1975a) reported [P. rotundifolia] subsp. [incarnata] to reach the Arctic in (northeastern) Europe and the Russian Far East, whereas they reported [P. rotundifolia] subsp. [asarifolia] to reach it in Siberia, the Russian Far East, and northwestern North America. This distinction is contrary to North American treatments (see above). Malyshev (1997) entered [P. asarifolia] for Siberia. Freeman (2009a) cited [P. asarifolia] var. [purpurea] (Bunge) Fernald as a synonym of his strictly North American subsp. [asarifolia]. This must reflect application rather than type as Bunge's name was based on a central Asian plant (as specified by Haber 1983: 296).

Pyrola chlorantha Sw. (GUID: ipni-331799-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Pyrola grandiflora Radius (GUID: ipni-331814-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Pyrola grandiflora subsp. grandiflora (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Pyrola grandiflora subsp. grandiflora Radius (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Pyrola minor L. (GUID: ipni-214916-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Pyrola minor var. conferta (Fisch. ex Cham. & Schltdl.) A.P.Khokhr. (GUID: ipni-975480-1). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Rhododendron camtschaticum Pall. (GUID: ipni-332100-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Therorhodium camtschaticum (Pall.) Small** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Therorhodium camtschaticum (Pall.) Small** according to **ACCS** ; Comments: Panarctic Flora Checklist

- Rhododendron groenlandicum (Oeder) K.A. Kron & W.S. Judd** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Rhododendron groenlandicum (Oeder) Kron & Judd** (GUID: ipni-947637-1). In Alaska according to PAF, FNA. An *accepted name* according to PAF, FNA.
- Rhododendron lapponicum (L.) Wahlenb.** (GUID: ipni-1039541-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Rhododendron lapponicum subsp. alpinum (Glehn) A.P.Khokhr.** (GUID: ipni-975474-1). In Alaska according to PAF. An *accepted name* according to PAF.
- Rhododendron lapponicum subsp. parvifolium (Adams) Malyshev** (GUID: ipni-1017968-1). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:
- **Rhododendron lapponicum subsp. alpinum (Glehn) A.P. Khokhr.** according to PAF ; Comments: [Rhododendron lapponicum] subsp. [alpinum] reaches west to Kharaulakh and at least east to the Yukon Territory. The relationship between subsp. [alpinum] and subsp. [parvifolium] remains to be clarified. Malyshev (1997) synonymized subsp. [alpinum] with [R. lapponicum] s. str., not with subsp. [parvifolium], but did not report [R. lapponicum] s. str. from Dahuria from where ['alpinum'] was described.
- Rhododendron lapponicum var. alpinum (Glehn) A.P. Khokhr.** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Rhododendron tomentosum Harmaja** (GUID: ipni-961622-1). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.
- Rhododendron tomentosum subsp. decumbens (Aiton) Elven & D.F.Murray** (GUID: ipni-77099626-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.
- Therorhodium camtschaticum (Pall.) Small** (GUID: trop-50149074). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Therorhodium glandulosum Standl. ex Small** (GUID: ipni-334038-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Vaccinium alaskaense Howell** (GUID: ipni-334226-1). In Alaska according to ACCS, ALA. An *accepted name* according to ACCS, ALA. A *synonym* of:
- **Vaccinium ovalifolium Smith in A. Rees** according to FNA ; Comments: FNA
- Vaccinium cespitosum Michx.** (GUID: ipni-858861-1). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.
- Vaccinium microcarpum (Turcz. ex Rupr.) Schmalh.** (GUID: ipni-60432533-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Oxycoccus microcarpus Turcz. ex Rupr.** according to PAF ; Comments:
 - **Oxycoccus microcarpus Turcz. ex Rupr.** according to ACCS ; Comments: Panarctic Flora Checklist
- Vaccinium ovalifolium Sm.** (GUID: ipni-859070-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Vaccinium oxycoccus L.** (GUID: ipni-261956-2). In Alaska according to FNA. An *accepted name* according to WCSP, FNA.
- Vaccinium parvifolium Sm.** (GUID: ipni-859081-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Vaccinium uliginosum L. (GUID: ipni-30184367-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Vaccinium uliginosum subsp. alpinum (Bigelow) Hultén (GUID: ipni-60448579-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Vaccinium uliginosum L.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Vaccinium uliginosum Linnaeus** according to **FNA** ; Comments: FNA

Vaccinium uliginosum subsp. gaultherioides (Bigelow) S.B.Young (GUID: ipni-1072182-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Vaccinium uliginosum subsp. microphyllum Lange** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Vaccinium uliginosum Linnaeus** according to **FNA** ; Comments: FNA

Vaccinium uliginosum subsp. microphyllum (Lange) Tolm. (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Vaccinium uliginosum subsp. microphyllum Lange (GUID: trop-12300091). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Vaccinium uliginosum Linnaeus** according to **FNA** ; Comments: FNA

Vaccinium uliginosum subsp. occidentale (A.Gray) Hultén (GUID: ipni-1185213-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Vaccinium uliginosum Linnaeus** according to **FNA** ; Comments: FNA

Vaccinium uliginosum subsp. pedris (Harshb.) S.B.Young (GUID: ipni-1052820-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Vaccinium uliginosum Linnaeus** according to **FNA** ; Comments: FNA

Vaccinium uliginosum subsp. pubescens (Wormsk. ex Hornem.) S.B.Young (GUID: ipni-1086622-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Vaccinium uliginosum L.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Vaccinium uliginosum Linnaeus** according to **FNA** ; Comments: FNA

Vaccinium uliginosum subsp. vulcanorum (Kom.) & Elven (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Vaccinium uliginosum subsp. vulcanorum (Kom.) Alsos & Elven (GUID: ipni-77099627-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Vaccinium vitis-idaea L. (GUID: ipni-293975-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Vaccinium vitis-idaea subsp. minus (Lodd., G.Lodd. & W.Lodd.) Hultén (GUID: ipni-1072765-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **WCSP, ALA, PAF, ACCS**. A *synonym* of:

- **Vaccinium vitis-idaea Linnaeus** according to **FNA** ; Comments: FNA

Euphorbiaceae

Euphorbia cyparissias L. (GUID: ipni-346205-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Euphorbia esula L. (GUID: ipni-346448-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Euphorbia peplus L. (GUID: ipni-347724-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Euphorbia virgata Waldst. & Kit. (GUID: ipni-348706-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Euphorbia esula subsp. tommasiniana (Bertol.) Kuzmanov** according to **WCSP** ; Comments: **WCSP**

Fabaceae

Astragalus aboriginorum Richardson (GUID: ipni-475914-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Astragalus aboriginum Richardson (GUID: ipni-475915-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Astragalus aboriginorum Richardson** according to **ACCS** ; Comments: Panarctic Flora Checklist

Astragalus adsurgens Pall. (GUID: ipni-475958-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Astragalus laxmannii var. tananaicus (Hultén) Barneby & S.L. Welsh** according to **ACCS** ; Comments: Panarctic Flora Checklist

Astragalus adsurgens subsp. viciifolius S.L. Welsh (GUID: ipni-1090582-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Astragalus laxmannii var. tananaicus (Hultén) Barneby & S.L. Welsh** according to **ACCS** ; Comments: Panarctic Flora Checklist

Astragalus agrestis Douglas ex G. Don (GUID: ipni-24402-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Astragalus alpinus L. (GUID: ipni-476066-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus alpinus subsp. alaskanus Hultén (GUID: ipni-24420-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF**. A *synonym* of:

- **Astragalus alpinus subsp. alpinus L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Astragalus alpinus subsp. alpinus (GUID: trop-13065112). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus alpinus subsp. arcticus Lindm. (GUID: ipni-60442725-2). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Astragalus alpinus var. arcticus (Sondén) Lindm.** according to **PAF** ; Comments:

Astragalus alpinus var. arcticus (Sond.) Lindm. (GUID: ipni-60442720-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Astragalus americanus (Hook.) M.E. Jones (GUID: ipni-24436-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Astragalus bodinii E.Sheld. (GUID: ipni-1049148-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus cicer L. (GUID: ipni-476814-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Astragalus eucosmus B.L.Rob. (GUID: ipni-477365-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus laxmannii Jacq. (GUID: ipni-478266-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Astragalus laxmannii var. **tananaicus** (Hultén) Barneby & S.L.Welsh (GUID: ipni-988149-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Astragalus lepagei Hultén (GUID: ipni-478293-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus nutzotinensis J.Rousseau (GUID: ipni-1081786-2). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Astragalus nutzotinensis Rouss. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Astragalus polaris Benth. (GUID: ipni-179676-2). In Alaska according to **ALA, ACCS, PAF**. An *accepted name* according to **ALA, ACCS, PAF**.

Astragalus richardsonii E.Sheld. (GUID: ipni-1179217-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus robbinsii (Oakes) A.Gray (GUID: ipni-30066006-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Astragalus robbinsii subsp. **harringtonii** (Rydb.) Hultén (GUID: ipni-25555-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Astragalus robbinsii** var. **harringtonii** (Rydb.) Barneby according to **ACCS** ; Comments: Panarctic Flora Checklist

Astragalus robbinsii subsp. **robbinsii** (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Astragalus robbinsii var. **harringtonii** (Rydb.) Barneby (GUID: ipni-25556-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Astragalus robbinsii var. **minor** (Hook.) Barneby (GUID: ipni-25558-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Astragalus robbinsii** subsp. **harringtonii** (Rydb.) Hultén according to **ALA** ; Comments: Elven, R. et al. 2003

Astragalus sealei Lepage (GUID: ipni-479738-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus umbellatus Bunge (GUID: ipni-480362-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Astragalus williamsii Rydb. (GUID: ipni-25814-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Caragana arborescens Lam. (GUID: ipni-483792-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Cytisus scoparius (L.) Link (GUID: ipni-489963-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Hedysarum alpinum L. (GUID: ipni-497455-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Hedysarum americanum** (Michx.) Britton according to **ACCS** ; Comments: Panarctic Flora Checklist

Hedysarum americanum (Michx.) Britton (GUID: ipni-118447-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Hedysarum boreale subsp. **mackenzii** (Richardson) S.L.Welsh (GUID: ipni-118466-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Hedysarum mackenziei** Richardson according to **ACCS** ; Comments: Panarctic Flora Checklist

Hedysarum hedysaroides (L.) Schinz & Thell. (GUID: trop-13056795). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Hedysarum hedysaroides subsp. **tschuktschorum** Jurtzev (GUID: ipni-949276-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Hedysarum mackenziei Richardson (GUID: ipni-497872-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Lathyrus japonicus Willd. (GUID: ipni-501783-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Lathyrus maritimus subsp. **maritimus** (GUID: trop-13065175). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Lathyrus japonicus** Willd. according to **ACCS** ; Comments: Panarctic Flora Checklist

Lathyrus ochroleucus Hook. (GUID: ipni-501905-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Lathyrus palustris L. (GUID: ipni-501920-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Lathyrus palustris subsp. **pilosus** (Cham.) Hultén (GUID: ipni-136182-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Lathyrus pratensis L. (GUID: ipni-501954-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Lathyrus venosus Muhl. ex Willd. (GUID: ipni-502081-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS, ALA**.

Lathyrus venosus var. **intonsus** Butters & H.St.John (GUID: ipni-136233-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Lathyrus venosus** Muhl. ex Willd. according to **ACCS** ; Comments: ITIS

Lotus corniculatus L. (GUID: ipni-503567-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lupinus arcticus S.Watson (GUID: ipni-504142-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Lupinus arcticus subsp. arcticus S. Watson (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lupinus kuschei Eastw. (GUID: ipni-504630-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Lupinus lepidus Douglas ex Lindl. (GUID: ipni-504668-1). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**.

Lupinus nootkatensis Donn (GUID: ipni-504828-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Lupinus nootkatensis Donn ex Sims (GUID: ipni-145614-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Lupinus polyphyllus Lindl. (GUID: ipni-504939-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Lupinus polyphyllus subsp. polyphyllus Lindl. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Medicago falcata L. (GUID: ipni-58602-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Medicago sativa subsp. falcata (L.) Arcang.** according to **ACCS** ; Comments: **ACCS**
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Medicago hispida Gaertn. (GUID: ipni-58613-3). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**.

Medicago lupulina L. (GUID: ipni-59090-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Medicago minima (L.) L. (GUID: ipni-506286-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Medicago sativa L. (GUID: ipni-59611-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Medicago sativa subsp. falcata (L.) Arcang. (GUID: trop-13065184). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Medicago sativa subsp. sativa (GUID: trop-13065547). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Melilotus albus Desr. (GUID: ipni-165008-3). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Melilotus albus Medik. (GUID: ipni-506899-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Melilotus officinalis (L.) Lam. (GUID: ipni-1174681-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Onobrychis viciifolia Scop. (GUID: ipni-60457687-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Oxytropis arctica R.Br. (GUID: ipni-511288-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Oxytropis arctica subsp. arctica (GUID: trop-13067997). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Oxytropis arctica var. arctica (GUID: trop-13067998). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Oxytropis arctica subsp. arctica R. Br.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Oxytropis arctica var. barnebyana S.L.Welsh (GUID: ipni-179529-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Oxytropis arctica var. koyukukensis (A.E. Porsild) S.L. Welsh (GUID: trop-13069209). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Oxytropis koyukukensis A.E. Porsild** according to **PAF** ; Comments: Yurtsev: [Oxytropis koyukukensis] is a more or less robust, erect plant with densely branched caudex and compact racemens. It does not seem to be closely related to [O. arctica] and it obviously belongs to another morphotype. Elven and Murray: In the investigations of Jorgensen et al. (2003), the material identified as [O. koyukukensis] (from northeastern Alaska) was polymorphic in molecular markers but all its parts grouped with branches of [O. arctica] (either red/blue or white-flowered). We find it as close to Alaskan [O. arctica] as to be merged inside that species, only tentatively deserving rank as a separate taxon. The reported chromosome number conforms to western Alaskan [O. arctica] (i.e., var. [barnebyana] above). See also [O. roaldii].
- **Oxytropis koyukukensis A.E. Porsild** according to **ACCS** ; Comments: Panarctic Flora Checklist

Oxytropis borealis DC. (GUID: ipni-511335-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Oxytropis borealis var. borealis (GUID: trop-50132120). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Oxytropis borealis var. sulphurea (A.E. Porsild) S.L. Welsh (GUID: trop-50132131). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Oxytropis bryophila (Greene) Jurtzev (GUID: ipni-511346-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Oxytropis czukotica Jurtzev (GUID: ipni-896629-1). In Alaska according to **ALA, ACCS, PAF**. An *accepted name* according to **ALA, ACCS, PAF**.

Oxytropis deflexa (Pall.) DC. (GUID: trop-13031058). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Oxytropis deflexa subsp. dezhnevii (Jurtz.) Jurtz. (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Oxytropis deflexa subsp. dezhnevii (Jurtzev) Jurtzev (GUID: ipni-952734-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Oxytropis deflexa subsp. foliolosa (Hook.) Cody (GUID: ipni-980223-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Oxytropis deflexa subsp. dezhnevii (Jurtz.) Jurtz.** according to **PAF** ; Comments: Yurtsev: The East Chukotkan race subsp. [dezhnevii] has been found in five localities, more or less uniform in each of them. Geographically it is intermediate between subsp. [deflexa] and subsp. [foliolosa], but not morphologically, where it is a marginal type, most distant from subsp. [deflexa]. The rise of subsp. [dezhnevii] most probably resulted from a return migration of a

North American race [subsp. [foliolosa]] into the easternmost Chukchi Peninsula (in parallel to many other North American taxa). Elven and Murray: Subspecies [foliolosa] reaches the Bering Strait on the American side. Yurtsev identified one western Alaskan specimen (from the Seward Peninsula, ALA) as subsp. [dezhnevii] rather than as subsp. [foliolosa] which is our identification of this specimen. Löve and Löve (1975a) included the Chukotkan chromosome report of Yurtsev and Tzvelev (1972) under subsp. [foliolosa]. Welsh (2001) synonymized subsp. [dezhnevii] with his var. [foliolosa]. We do not accept subsp. [dezhnevii] apart from subsp. [foliolosa]. However, when the two are synonymized, the name subsp. [dezhnevii] has priority.

- **Oxytropis deflexa subsp. dezhnevii (Jurtzev) Jurtzev** according to ACCS ; Comments: Panarctic Flora Checklist

Oxytropis deflexa var. retrorsa (Fernald) Á. Löve & D. Löve (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Oxytropis deflexa var. sericea Torr. & A.Gray (GUID: ipni-179587-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Oxytropis deflexa var. retrorsa (Fernald) Á. Löve & D. Löve** according to ACCS ; Comments: Panarctic Flora Checklist

Oxytropis glutinosa A.E.Porsild (GUID: ipni-179595-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Oxytropis gorodkovii Jurtzev (GUID: ipni-511497-1). In Alaska according to ALA, ACCS, PAF. An *accepted name* according to ALA, ACCS, PAF.

Oxytropis huddelsonii A.E.Porsild (GUID: ipni-511531-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Oxytropis hyperborea A.E.Porsild (GUID: ipni-511536-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Oxytropis varians (Rydb.) K. Schum.** according to ACCS ; Comments: Panarctic Flora Checklist

Oxytropis jordalii A.E.Porsild (GUID: ipni-511564-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Oxytropis kobukensis S.L.Welsh (GUID: ipni-511584-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Oxytropis kokrinensis A.E.Porsild (GUID: ipni-511586-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Oxytropis koyukukensis A.E.Porsild (GUID: ipni-511596-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Oxytropis arctica var. koyukukensis (A.E.Porsild) S.L.Welsh** according to ALA ; Comments: ALA Taxon List; ALA Taxon List; ALA Taxon List

Oxytropis maydelliana Trautv. (GUID: ipni-511669-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Oxytropis maydelliana subsp. melanocephala (Hook.) A.E.Porsild (GUID: ipni-179638-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Oxytropis maydelliana Trautv.** according to PAF ; Comments: Gillespie and Elven: Two races of [Oxytropis maydelliana] have been proposed: an amphi-Beringian subsp. [maydelliana] east to the Mackenzie River and a North American subsp. [melanocephala] from the Mackenzie

eastwards. The main diagnostic differences reported for subsp. [melanocephala] vs. subsp. [maydelliana] is in the pubescence in the inflorescence (see, e.g., Porsild and Cody 1980). These characters did not hold when inspecting a larger Canadian material (CAN). Gillett et al. (2007) did not recognize races of [*O. maydelliana*]. We do not accept the subspecies.

- ***Oxytropis maydelliana* Trautv.** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Oxytropis mertensiana* Turcz.** (GUID: ipni-511678-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

***Oxytropis roaldii* Ostenf.** (GUID: ipni-303886-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- ***Oxytropis arctica* var. *arctica*** according to **ALA** ; Comments: ALA Taxon List; ALA Taxon List; ALA Taxon List

***Oxytropis scammaniana* Hultén** (GUID: ipni-179684-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

***Oxytropis sheldonensis* A.E.Porsild** (GUID: ipni-511873-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- ***Oxytropis borealis* var. *sulphurea* (A.E. Porsild) S.L. Welsh** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Oxytropis splendens* Douglas** (GUID: ipni-179690-2). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

***Oxytropis splendens* Douglas ex Hook.** (GUID: ipni-309107-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

***Oxytropis tananensis* Jurtzev** (GUID: ipni-975208-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

***Oxytropis varians* (Rydb.) K.Schum.** (GUID: ipni-1191960-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

***Oxytropis viscida* Nutt.** (GUID: ipni-1053523-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

***Oxytropis viscida* Nutt. ex Torr. & A.Gray** (GUID: ipni-511987-1). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

***Securigera varia* (L.) Lassen** (GUID: ipni-946592-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

***Trifolium aureum* Pollich** (GUID: ipni-522892-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

***Trifolium campestre* Schreb.** (GUID: ipni-522975-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

***Trifolium cyathiferum* Lindl.** (GUID: ipni-523061-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

***Trifolium dubium* Sibth.** (GUID: ipni-523099-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

***Trifolium hybridum* L.** (GUID: ipni-523228-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Trifolium lupinaster L. (GUID: ipni-523323-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Trifolium microcephalum Pursh (GUID: ipni-523402-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Trifolium pratense L. (GUID: ipni-523575-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Trifolium repens L. (GUID: ipni-523626-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Trifolium variegatum Nutt. (GUID: ipni-523831-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Trifolium wormskioldii Lehm. (GUID: ipni-523864-1). In Alaska according to **ACCS, ALA, ACCS**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Trifolium wormskioldii** Lehm. according to **ACCS** ; Comments: ITIS

Vicia americana Muhl. ex Willd. (GUID: ipni-524512-1). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**.

Vicia angustifolia L. (GUID: ipni-69686-3). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Vicia angustifolia Reichard (GUID: trop-13074079). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Vicia cracca L. (GUID: ipni-73031-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Vicia cracca subsp. **cracca** (GUID: trop-13074673). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Vicia gigantea Hook. (GUID: ipni-524772-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Vicia hirsuta (L.) Gray (GUID: ipni-73213-3). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Vicia nigricans Hook. & Arn. (GUID: ipni-524980-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Vicia sativa L. (GUID: ipni-73342-3). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Vicia villosa Roth (GUID: ipni-73675-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Vicia villosa var. **villosa** Roth (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Gentianaceae

Comastoma tenellum (Rottb.) Toyok. (GUID: ipni-63775-2). In Alaska according to **PAF, ALA, ACCS**. An *accepted name* according to **PAF, WCSP, ALA**. A *synonym* of:

- **Comastoma tenellum** (Rottb.) Toyokuni according to **ACCS** ; Comments: Panarctic Flora Checklist

Comastoma tenellum (Rottb.) Toyokuni (GUID: ipni-367016-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Gentiana algida Pall. (GUID: ipni-367731-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Gentiana douglasiana Bong. (GUID: ipni-368109-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Gentiana glauca Pall. (GUID: ipni-368232-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Gentiana platypetala Griseb. (GUID: ipni-368681-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Gentiana prostrata Haenke (GUID: ipni-368725-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Gentianella amarella (L.) Börner (GUID: ipni-108639-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Gentianella amarella subsp. acuta (Michx.) J.M.Gillett (GUID: ipni-108640-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Gentianella auriculata (Pall.) J.M.Gillett (GUID: ipni-369159-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Gentianella propinqua (Richardson) J.M.Gillett (GUID: ipni-369280-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Gentianella propinqua subsp. aleutica (Cham. & Schltdl.) J.M.Gillett (GUID: ipni-108719-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Gentianella propinqua subsp. arctophila (Griseb.) Hultén (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Gentianella propinqua subsp. arctophila (Griseb.) Tzvelev (GUID: ipni-919523-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Gentianella propinqua (Richardson) J.M.Gillett** according to WCSP ; Comments: WCSP

Gentianella propinqua subsp. propinqua (GUID: trop-50062333). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Gentianella propinqua subsp. propinqua (Richardson) J.M. Gillett (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Gentianopsis barbata (Froel.) Ma (GUID: ipni-369371-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Gentianopsis barbata subsp. barbata (Froel.) Ma (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Gentianopsis barbata subsp. raupii (A.E.Porsild) Elven (GUID: ipni-77099628-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Gentianopsis barbata subsp. barbata (Froel.) Ma** according to ACCS ; Comments: Panarctic Flora Checklist

Gentianopsis detonsa (Rottb.) Ma (GUID: ipni-108755-2). In Alaska according to ALA. An *accepted name* according to WCSP, ALA.

Gentianopsis richardsonii (A.E. Porsild) (GUID: NULL). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Lomatogonium rotatum (L.) Fr. (GUID: ipni-30051734-2). In Alaska according to ALA. An *accepted name* according to ALA.

Lomatogonium rotatum (L.) Fr. ex Fernald (GUID: ipni-60429819-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Lomatogonium rotatum subsp. rotatum (GUID: trop-13801049). In Alaska according to PAF. An *accepted name* according to PAF.

Lomatogonium rotatum subsp. rotatum (L.) Fr. ex Fernald (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Lomatogonium rotatum subsp. tenuifolium (Griseb.) A.E.Porsild (GUID: ipni-143203-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Lomatogonium rotatum** (L.) Fr. according to ALA ; Comments: Elven, R. et al. 2003

Swertia obtusa Ledeb. (GUID: ipni-371002-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Swertia perennis** L. according to WCSP ; Comments: WCSP

Geraniaceae

Erodium cicutarium (L.) L'Her. ex Aiton (GUID: ipni-60149-3). In Alaska according to ACCS. An *accepted name* according to ACCS.

Erodium cicutarium (L.) L'Hér. (GUID: ipni-372220-1). In Alaska according to ALA. An *accepted name* according to WCSP, ALA.

Erodium cicutarium subsp. cicutarium (L.) L'Hér. ex Aiton (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Geranium bicknellii Britton (GUID: ipni-372816-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Geranium carolinianum L. (GUID: ipni-372871-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Geranium erianthum DC. (GUID: ipni-373017-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Geranium pusillum L. (GUID: ipni-60444752-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Geranium robertianum L. (GUID: ipni-373593-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Geranium robertianum subsp. robertianum (GUID: trop-13900817). In Alaska according to ACCS. An *accepted name* according to ACCS.

Geranium sanguineum L. (GUID: ipni-373620-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Grossulariaceae

Ribes bracteosum Douglas (GUID: ipni-30289786-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Ribes glandulosum Grauer (GUID: ipni-792704-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Ribes hudsonianum Richardson (GUID: ipni-315146-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Ribes hudsonianum Richardson in J. Franklin et al. (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Ribes lacustre (Pers.) Poir. (GUID: ipni-1126612-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Ribes laxiflorum Pursh (GUID: ipni-792801-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Ribes oxyacanthoides L. (GUID: ipni-792897-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Ribes oxyacanthoides var. **oxyacanthoides** (GUID: trop-29100988). In Alaska according to FNA, ACCS. An *accepted name* according to FNA, ACCS.

Ribes triste Pall. (GUID: ipni-221098-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Ribes uva-crispa L. (GUID: ipni-793052-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Haloragaceae

Myriophyllum farwellii Morong (GUID: ipni-430410-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Myriophyllum sibiricum Kom. (GUID: trop-15000127). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Myriophyllum verticillatum L. (GUID: ipni-82320-3). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Hydrocharitaceae

Elodea canadensis Michx. (GUID: ipni-90075-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Elodea nuttallii (Planch.) H. St. John (GUID: trop-16100004). In Alaska according to ACCS. An *accepted name* according to ACCS, WCSP.

Najas flexilis (Willd.) Rostk. & W.L.E. Schmidt (GUID: trop-22200014). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS, WCSP.

Hymenophyllaceae

Hymenophyllum wrightii Bosch (GUID: ipni-17125890-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Hypericaceae

Hypericum perforatum L. (GUID: ipni-433719-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Hypericum perforatum subsp. perforatum (GUID: trop-50337909). In Alaska according to ACCS. An *accepted name* according to ACCS.

Iridaceae

Iris pseudacorus L. (GUID: ipni-438992-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Iris setosa Pall. ex Link (GUID: ipni-439084-1). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, ALA, FNA.

Iris setosa subsp. interior (E.S.Anderson) Hultén (GUID: ipni-130143-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Iris setosa var. interior E.S. Anderson** according to PAF ; Comments: Rebristaya: I am skeptical to subsp. or var. [interior] and do not find Asian material assigned to it sufficiently distinct for recognition. Elven: Rebristaya's skepticism may be due to var. [interior] being absent from Asia, i.e., her area of concern. In Alaska, var. [interior] occurs much more in the interior parts than does var. [setosa] and their ranges are nearly non-overlapping (Hultén 1943b, 1968a). I find var. [interior] morphologically recognizable on Alaskan material by the few characters cited by Anderson (1936) and Hultén (1968a) and prefers to accept it as a continental Alaskan variety. Anderson (1936: 462) stated the differential characters to be: 'Bracts scarious to thickly chartaceous, not foliaceous, somewhat florid, often exceeded by the pedicels'. He also stated that var. [interior] was 'merging into the type [i.e., [I. setosa] s. str.] in the lower valley [i.e., the Yukon River valley] and along the west coast', and that the 'characters ... characterize all the available herbarium material from interior Alaska'. Henderson (2002) did not mention var. [interior] in his treatment of North American [Iris].

Iris setosa subsp. setosa (GUID: trop-16600263). In Alaska according to ALA. An *accepted name* according to ALA.

Iris setosa var. interior E.S.Anderson (GUID: ipni-130144-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Iris setosa subsp. interior (E.S. Anderson) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Iris setosa var. setosa (GUID: trop-16602128). In Alaska according to PAF. An *accepted name* according to PAF.

Iris setosa var. setosa Pall. ex Link (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Sisyrinchium littorale Greene (GUID: ipni-441145-1). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA, ALA.

Sisyrinchium montanum Greene (GUID: ipni-441187-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Sisyrinchium montanum var. montanum Greene (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Juncaceae

Juncus albescens (Lange) Fernald (GUID: ipni-1136118-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Juncus alpinoarticulatus Chaix (GUID: trop-16900584). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Juncus alpinoarticulatus subsp. americanus (Farw.) Hämet-Ahti (GUID: ipni-1219363-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Juncus alpinoarticulatus** Chaix in D. Villars according to FNA ; Comments: FNA

Juncus anthelatus (Wiegand) R.E.Brooks (GUID: ipni-1006645-1). In Alaska according to FNA. An *accepted name* according to FNA.

Juncus arcticus Willd. (GUID: ipni-442684-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Juncus arcticus subsp. alaskanus Hultén (GUID: ipni-131982-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Juncus arcticus var. alaskanus (Hultén) S. L. Welsh** according to FNA ; Comments: FNA

Juncus arcticus subsp. ater (Rydb.) Hultén (GUID: ipni-131984-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Juncus balticus subsp. ater (Rydb.) Snogerup** according to ACCS ; Comments: Panarctic Flora Checklist
- **Juncus arcticus var. balticus (Willdenow) Trautvetter** according to FNA ; Comments: FNA

Juncus arcticus var. alaskanus (Hultén) S.L. Welsh (GUID: trop-16900520). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Juncus arcticus subsp. alaskanus** Hultén according to PAF ; Comments: The combination [*Juncus balticus*] var. [*alaskanus*] (Hultén) A.E. Porsild (1957) is illegitimate as there is no reference to basionym, mandatory for combinations published after 01.01.1953, see ICBN. Some Russian authors (e.g., Tolmachev 1963; Egorova PAF proposal), and also Hultén (1968a), have accepted subsp. [*alaskanus*] as far west in Eurasia as northeastern European Russia and to be largely sympatric with but more southern than subsp. [*arcticus*]. Yurtsev commented that Tolmachev (1963) considered subsp. [*alaskanus*] to be a subarctic race occurring in parallel with the more arctic subsp. [*arcticus*] throughout most parts of northern Eurasia. Some authors have applied this 'sympatric' model in North America (e.g., Hultén 1962, 1968a). Another, 'allopatric', model was proposed for Siberia by Kovtonyuk (1987) who considered subsp. [*arcticus*] and subsp. [*alaskanus*] to be nearly separate western and eastern races and drew the line between them along the Kolyma River between Siberia and the Russian Far East. The 'allopatric' treatment was applied for North America by Porsild and Cody (1980) in accepting two major races - a northeastern subsp. [*arcticus*] and a northwestern subsp. [*alaskanus*] - but probably with some range overlap and intermediates. No comparative investigation of Asian and North American material has been undertaken more recently. The 'sympatric' and 'allopatric'

treatments are probably based on different diagnostic characters. We follow the 'allopatric' approach for both Eurasia and North America.

- **Juncus arcticus subsp. alaskanus Hultén** according to ACCS ; Comments: Panarctic Flora Checklist
- **Juncus arcticus subsp. alaskanus Hultén** according to ALA ; Comments: Elven, R. et al. 2003

Juncus arcticus var. balticus (Willd.) Trautv. (GUID: trop-16900307). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Juncus balticus subsp. ater (Rydb.) Snogerup** according to ACCS ; Comments: Panarctic Flora Checklist

Juncus articulatus L. (GUID: ipni-133982-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Juncus balticus subsp. ater (Rydb.) Snogerup (GUID: ipni-20008357-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Juncus biglumis L. (GUID: ipni-442732-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Juncus bufonius L. (GUID: ipni-134175-3). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Juncus castaneus Sm. (GUID: trop-16900041). In Alaska according to FNA. An *accepted name* according to ALA, FNA.

Juncus castaneus subsp. leucochlamys (N.W. Zinger ex V.I. Krecz.) Hultén (GUID: trop-16900529). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Juncus leucochlamys V.J. Zinger ex V.I. Krecz.** according to PAF ; Comments: Solstad and Elven: In Europe, [*Juncus leucochlamys*] is restricted to northwestern Iceland and Svalbard (Elven et al. 2010). Elven: We do not yet have data for evaluation of a reported northern race ([*'borealis'*]) within [*J. leucochlamys*]. The wide polymorphy observed in the material from northeastern Asia and northwestern North America does not, however, support a geographically distinct race. Kirschner et al. (2002b) synonymised var. [*borealis*] with subsp. [*leucochlamys*].
- **Juncus leucochlamys Zing. ex Krecz.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Juncus castaneus Smith** according to FNA ; Comments: FNA

Juncus drummondii E.Mey. (GUID: ipni-442901-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Juncus dudleyi Wiegand (GUID: ipni-442906-1). In Alaska according to FNA. An *accepted name* according to FNA.

Juncus effusus L. (GUID: ipni-135130-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Juncus effusus subsp. effusus (GUID: trop-50230031). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Juncus effusus L.** according to ACCS ; Comments: Flora of North America

Juncus ensifolius Wikstr. (GUID: ipni-442931-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Juncus ensifolius var. ensifolius (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Juncus falcatus E.Mey. (GUID: ipni-442946-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Juncus falcatus subsp. sitchensis (Buchenau) Hultén (GUID: ipni-132138-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Juncus falcatus var. sitchensis Buchenau (GUID: ipni-132139-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Juncus falcatus subsp. sitchensis (Buchenau) Hultén** according to **ALA** ; Comments: Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.
- **Juncus falcatus subsp. sitchensis (Buchenau) Hultén** according to **ACCS** ; Comments: D.F. Murray

Juncus filiformis L. (GUID: ipni-442961-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Juncus haenkei E.Mey. (GUID: ipni-443032-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Juncus leucochlamys Zing. ex V.I.Krecz. (GUID: ipni-443131-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Juncus macrandrus Coville (GUID: ipni-443171-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Juncus mertensianus Bong. (GUID: ipni-443207-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Juncus nodosus L. (GUID: ipni-443278-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Juncus ranarius Nees (GUID: ipni-443409-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Juncus bufonius Linnaeus** according to **FNA** ; Comments: **FNA**

Juncus ranarius Perrier & Songeon (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Juncus ranarius Songeon & E.P.Perrier (GUID: ipni-132288-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Juncus ranarius var. ossoraicus Novikov (GUID: ipni-917046-1). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Juncus ranarius var. ossoraicus Songeon & E.P. Perrier (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Juncus stygius L. (GUID: ipni-443526-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Juncus stygius subsp. americanus (Buchenau) Hultén (GUID: ipni-132313-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Juncus stygius var. americanus Buchenau** according to **FNA** ; Comments: **FNA**

Juncus stygius var. americanus Buchenau (GUID: ipni-132314-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Juncus stygius subsp. americanus (Buchenau) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Juncus supiniformis Engelm. (GUID: ipni-443551-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Juncus tenuis Willd. (GUID: ipni-304453-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Juncus triglumis L. (GUID: ipni-443609-1). In Alaska according to ALA. An *accepted name* according to ALA.

Juncus triglumis var. albescens Lange (GUID: ipni-132355-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Juncus albescens (Lange) Fernald** according to PAF ; Comments: In Europe, [*Juncus albescens*] is restricted to Svalbard.
- **Juncus albescens (Lange) Fernald** according to ACCS ; Comments: Panarctic Flora Checklist

Juncus triglumis var. triglumis (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Luzula arctica Blytt (GUID: ipni-1177928-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Luzula nivalis (Laest.) Sprengel** according to ALA ; Comments:
- **Luzula nivalis (Laest.) Spreng.** according to PAF ; Comments: Egorova et al.: Very many authors have applied the name [*Luzula arctica*] Blytt 1861 for this species (e.g., Hultén 1968a in Alaska and the Yukon Territory; Böcher et al. 1978 in Greenland; Chrtek and Krísa 1980 in Europe; Elven 1994 in Norway and Svalbard; Elven and Elvebakk 1996 in Svalbard; Cody 1996 in the Yukon Territory; Swab 2000 in North America), whereas Russian authors mostly have applied the name [*L. nivalis*]. The application of [*L. arctica*] is based on arguments by Hylander (1945, 1953b) that the earlier name [*L. nivalis*] Sprengel 1825 refers to another plant. However, Sprengel's name is explicitly based on [*L. campestris*] var. [*nivalis*] Laest., and the application must follow the type of the basionym. The lectotypes of Blytt's ['*arctica*'] (from Norway) and Laestadius' ['*nivalis*'] (from Sweden) belong to the same taxon. Kirschner's (2001b) designation of a lectotype of [*L. campestris*] var. [*nivalis*] finishes this issue.
- **Luzula nivalis (Laest.) Beurling** according to ACCS ; Comments: Panarctic Flora Checklist

Luzula arcuata (Wahlenb.) Sw. (GUID: ipni-443712-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Luzula arcuata subsp. arcuata (GUID: trop-16900084). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Luzula arcuata subsp. arcuata (Wahlenb.) Sw. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Luzula arcuata subsp. unalaschensis (Buchenau) Hultén (GUID: trop-16900085). In Alaska according to PAF, ACCS, ALA, ACCS, FNA. An *accepted name* according to PAF, ALA, ACCS, FNA. A *synonym* of:

- **Luzula arcuata subsp. unalaschensis (Buchenau) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Luzula comosa E.Mey. (GUID: ipni-443762-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ACCS, FNA. A *synonym* of:

- **Luzula multiflora subsp. comosa (E.Mey.) Hultén** according to ALA ; Comments: Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.

Luzula confusa Lindeb. (GUID: ipni-146191-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Luzula groenlandica Böcher (GUID: ipni-146206-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA. A *synonym* of:

- **Luzula multiflora subsp. frigida (Buchenau) V.I.Krecz.** according to ALA ; Comments: Elven, R. et al. 2003

Luzula kjellmaniana Miyabe & Kudo (GUID: trop-16900797). In Alaska according to ALA, ACCS, FNA, PAF. An *accepted name* according to ALA, ACCS, FNA, PAF.

Luzula multiflora (Ehrh.) Lej. (GUID: ipni-1159940-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Luzula multiflora subsp. comosa (E.Mey.) Hultén (GUID: ipni-146230-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Luzula comosa E. Mey.** according to ACCS ; Comments: Flora of North America
- **Luzula comosa E. Meyer** according to FNA ; Comments: FNA

Luzula multiflora subsp. frigida (Buchenau) V.I. Krecz. (GUID: trop-16900802). In Alaska according to PAF, ALA, ACCS, FNA. An *accepted name* according to PAF, ALA, ACCS, FNA.

Luzula multiflora subsp. kjellmanioides auct. non Roy L. Taylor & MacBryde (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Luzula multiflora subsp. kobayasii (Satake) Hultén (GUID: ipni-146234-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Luzula multiflora var. kjellmanioides Roy L. Taylor & MacBryde (GUID: ipni-883736-1). In Alaska according to PAF. An *accepted name* according to PAF.

Luzula nivalis (Laest.) Beurling (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Luzula nivalis (Laest.) Spreng. (GUID: ipni-30284498-2). In Alaska according to PAF, ALA. An *accepted name* according to PAF, ALA.

Luzula parviflora (Ehrh.) Desv. (GUID: ipni-1000811-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Luzula parviflora subsp. fastigiata (E.Mey.) Hämet-Ahti (GUID: ipni-146243-2). In Alaska according to ALA, PAF, ACCS, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Luzula parviflora subsp. fastigiata (E. Mey.) Hämet-Ahti** according to ACCS ; Comments: Panarctic Flora Checklist

Luzula parviflora subsp. parviflora (GUID: trop-16900534). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Luzula parviflora subsp. parviflora (Ehrh.) Desv. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Luzula piperi (Coville) M.E.Jones (GUID: ipni-1182429-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Luzula piperi M.E.Jones (GUID: ipni-146258-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Luzula rufescens Fisch. ex E.Mey. (GUID: ipni-146266-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Luzula spicata (L.) DC. (GUID: ipni-443940-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Luzula wahlenbergii Rupr. (GUID: ipni-443971-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Juncaginaceae

Triglochin maritima L. (GUID: ipni-258178-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Triglochin palustris L. (GUID: ipni-603552-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Lamiaceae

Dracocephalum parviflorum Nutt. (GUID: ipni-83930-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Galeopsis bifida Boenn. (GUID: ipni-447034-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Galeopsis tetrahit L. (GUID: ipni-447136-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Glechoma hederacea L. (GUID: ipni-447338-1). In Alaska according to **ACCS, ALA, ACCS**. An *accepted name* according to **WCSP, ACCS, ALA**. A *synonym* of:

- **Glechoma hederacea L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Lamium album L. (GUID: ipni-448792-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Lamium amplexicaule L. (GUID: ipni-50230-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Lamium maculatum L. (GUID: ipni-448886-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lycopus asper Greene (GUID: ipni-449632-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Lycopus lucidus subsp. americanus (A. Gray) Hultén** according to **ACCS** ; Comments: D.F. Murray

Lycopus lucidus Turcz. ex Benth. (GUID: ipni-449660-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Lycopus lucidus subsp. americanus (A.Gray) Hultén (GUID: ipni-147721-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Lycopus uniflorus Michx. (GUID: ipni-449690-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Marrubium vulgare L. (GUID: ipni-449990-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Mentha canadensis L. (GUID: ipni-450311-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Mentha spicata L. (GUID: ipni-92602-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Mentha × piperita L. (GUID: trop-17600157). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Nepeta cataria L. (GUID: ipni-99548-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Prunella vulgaris L. (GUID: ipni-455176-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Prunella vulgaris subsp. aleutica Hultén (GUID: trop-17601656). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Prunella vulgaris subsp. lanceolata (W.P.C. Barton) Hultén (GUID: trop-17600276). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Satureja douglasii (Benth.) Briq. (GUID: ipni-457628-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Micromeria douglasii Benth.** according to **WCSP** ; Comments: **WCSP**

Scutellaria galericulata L. (GUID: ipni-458280-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Scutellaria galericulata subsp. pubescens (Benth.) Á.Löve & D.Löve (GUID: ipni-231057-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Scutellaria × nicholsonii Taub.** according to **WCSP** ; Comments: **WCSP**

Scutellaria lateriflora L. (GUID: ipni-458402-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Stachys chamissonis Benth. (GUID: ipni-459414-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Stachys chamissonis var. cooleyae (A.Heller) G.A.Mulligan & D.B.Munro (GUID: ipni-285492-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Stachys emersonii Piper (GUID: ipni-459510-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Stachys mexicana Benth.** according to **WCSP** ; Comments: **WCSP**

Stachys mexicana Benth. (GUID: ipni-459756-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Stachys emersonii Piper** according to **ACCS** ; Comments: **D.F. Murray**

Stachys palustris L. (GUID: ipni-70019-3). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Stachys palustris subsp. pilosa (Nutt.) Epling (GUID: ipni-243219-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Stachys pilosa** Nutt. according to **WCSP** ; Comments: **WCSP**

Stachys pilosa Nutt. (GUID: ipni-459851-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Stachys palustris subsp. pilosa** (Nutt.) Epling according to **ALA** ; Comments: Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.
- **Stachys palustris subsp. pilosa** (Nutt.) Epling according to **ACCS** ; Comments: D.F. Murray

Lentibulariaceae

Pinguicula villosa L. (GUID: ipni-526522-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Pinguicula vulgaris L. (GUID: ipni-526527-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Pinguicula vulgaris subsp. macroceras (Link) Calder & Roy L. Taylor (GUID: ipni-196891-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Pinguicula vulgaris subsp. vulgaris (GUID: trop-18300168). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Utricularia intermedia Hayne (GUID: ipni-526836-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Utricularia minor L. (GUID: ipni-526922-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Utricularia ochroleuca R.W.Hartm. (GUID: ipni-526966-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Utricularia vulgaris L. (GUID: ipni-527199-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Utricularia vulgaris subsp. macrorhiza (Leconte) R.T.Clausen (GUID: ipni-260872-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, WCSP, PAF, ACCS**.

Liliaceae

Clintonia uniflora (Menzies ex Schult. & Schult.f.) Kunth (GUID: kew-302695). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Clintonia uniflora (Menzies ex Schult.) Kunth (GUID: trop-18401616). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Clintonia uniflora Kunth (GUID: ipni-533180-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Fritillaria camschatcensis (L.) Ker Gawl. (GUID: trop-18400203). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Lloydia serotina (L.) Rchb. (GUID: kew-280271). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**. A *synonym* of:

- **Gagea serotina (L.) Ker Gawl.** according to **WCSP** ; Comments: WCSP

Lloydia serotina (L.) Salisb. ex Rchb. (GUID: ipni-30099514-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lloydia serotina var. serotina (GUID: trop-18403843). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Streptopus amplexifolius (L.) DC. (GUID: ipni-1160363-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Streptopus amplexifolius subsp. americanus (Schult. & Schult.f.) Á.Löve & D.Löve (GUID: ipni-246465-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Streptopus amplexifolius (L.) DC.** according to **WCSP** ; Comments: WCSP
- **Streptopus amplexifolius (Linnaeus) de Candolle** according to **FNA** ; Comments: FNA

Streptopus lanceolatus (Aiton) Reveal (GUID: ipni-1071939-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Streptopus streptopoides (Ledeb.) Frye & Rigg (GUID: ipni-246127-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Limnanthaceae

Limnanthes douglasii R.Br. (GUID: ipni-30052665-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Limnanthes douglasii subsp. douglasii (GUID: trop-50103079). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Linaceae

Linum lewisii Pursh (GUID: ipni-544545-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Linum lewisii subsp. lewisii (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Linum lewisii var. lewisii (GUID: trop-50101722). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Linum lewisii var. lewisii Pursh (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Linum perenne L. (GUID: ipni-544634-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Linum lewisii var. lewisii Pursh** according to **ACCS** ; Comments: Panarctic Flora Checklist

Lycopodiaceae

Diphasiastrum alpinum (L.) Holub (GUID: ipni-17435100-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Diphasiastrum complanatum (L.) Holub (GUID: ipni-17435130-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Diphasiastrum complanatum subsp. complanatum (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**.

Diphasiastrum complanatum subsp. complanatum (L.) Holub (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Diphasiastrum complanatum subsp. montellii (Kukk.) Kukkonen (GUID: ipni-17521570-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Diphasiastrum sitchense (Rupr.) Holub (GUID: ipni-17435250-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Huperzia arctica Sipliv. (GUID: trop-26612970). In Alaska according to **ACCS, PAF**. An *accepted name* according to **ACCS, PAF**.

Huperzia chinensis subsp. miyoshiana (Makino) Tzvelev (GUID: ipni-17572850-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Huperzia miyoshiana (Makino) Ching** according to **PAF** ; Comments: Wagner Jr. and Beitel (1993) mapped [*Huperzia miyoshiana*] from the Borderline Arctic in the Yukon River Delta in southwestern Alaska. They must have accepted [*H. miyoshiana*] specifically apart from [*H. chinensis*] (C. Chr.) Czerep. as they did not refer to the latter name. Tzvelev (1999a) accepted two subspecies of [*H. chinensis*].
- **Huperzia miyoshiana (Makino) Ching** according to **ACCS** ; Comments: Panarctic Flora Checklist

Huperzia haleakalae (Brack.) Holub (GUID: ipni-1133697-2). In Alaska according to **ALA, PAF, ACCS, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Huperzia selago (L.) Bernh. ex Schrank & Mart.** according to **ALA** ; Comments: Pan Arctic ?
- **Huperzia haleakalae (Brack.) Holub** according to **ACCS** ; Comments: Panarctic Flora Checklist

Huperzia miyoshiana (Makino) Ching (GUID: ipni-17512230-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Huperzia chinensis subsp. miyoshiana (Makino) Tzvelev** according to **ALA** ; Comments: Elven, R. et al. 2003

Huperzia occidentalis (Clute) Kartesz & Gandhi (GUID: ipni-278409-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Huperzia selago (L.) Bernh. ex Schrank & Mart. (GUID: ipni-1140250-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Huperzia haleakalae (Brack.) Holub** according to **ACCS** ; Comments: Panarctic Flora Checklist

Lycopodiella inundata (L.) Holub (GUID: ipni-146933-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Lycopodium annotinum L. (GUID: ipni-304983-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Lycopodium annotinum subsp. alpestre (Hartm.) Á.Löve & D.Löve (GUID: ipni-147138-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Lycopodium annotinum subsp. annotinum (GUID: trop-26604936). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Lycopodium clavatum L. (GUID: ipni-167325-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Lycopodium clavatum subsp. clavatum (GUID: trop-26600198). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Lycopodium clavatum subsp. monostachyon (Hook. & Grev.) Selander (GUID: ipni-60455999-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Lycopodium dendroideum Michx. (GUID: ipni-323855-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Lycopodium lagopus (Laest. ex C.Hartm.) G.Zinserl. ex Kuzen. (GUID: ipni-1159641-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Lycopodium clavatum subsp. monostachyon** (Grev. & Hook.) Selander according to **ALA** ;
Comments: Elven, R. et al. 2003
- **Lycopodium clavatum subsp. monostachyon** (Grev. & Hook.) Selander according to **PAF** ;
Comments:
- **Lycopodium clavatum subsp. monostachyon** (Hook. & Grev.) Seland. according to **ACCS** ;
Comments: Panarctic Flora Checklist

Lythraceae

Lythrum salicaria L. (GUID: ipni-553796-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Malvaceae

Malva neglecta Wallr (GUID: ipni-59864-3). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Malva neglecta Wallr. (GUID: ipni-561795-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Malva sylvestris L. (GUID: ipni-60129-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Sidalcea hendersonii S.Watson (GUID: ipni-235903-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Melanthiaceae

Anticlea elegans (Pursh) Rydb. (GUID: trop-50117124). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**. A *synonym* of:

- **Zigadenus elegans Pursh** according to FNA ; Comments: FNA

Veratrum album L. (GUID: ipni-30192264-2). In Alaska according to FNA. An *accepted name* according to ALA, WCSP, FNA.

Veratrum album var. oxysepalum (Turcz.) Miyabe & Kudô (GUID: trop-18403704). In Alaska according to FNA. An *accepted name* according to FNA. A *synonym* of:

- **Veratrum oxysepalum Turcz.** according to WCSP ; Comments: WCSP
- **Veratrum oxysepalum Turcz.** according to PAF ; Comments: [Veratrum oxysepalum] is a morphologically distinct high polyploid species of northeastern Asia and western Alaska. It may be an allopolyploid with [V. album] as one parent and some eastern Asian species as the other. The relationship to the nearly sympatric North American [V. viride] is probably distant.

Veratrum oxysepalum Turcz. (GUID: ipni-262878-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Veratrum viride Aiton (GUID: ipni-543543-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Veratrum viride subsp. eschscholtzii (A.Gray) Á.Löve & D.Löve (GUID: ipni-262884-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Veratrum viride var. eschscholtzianum (Schult. & Schult.f.) Breitung** according to WCSP ; Comments: WCSP
- **Veratrum viride var. eschscholziaenum (Roemer & Schultes) Breitung** according to FNA ; Comments: FNA

Veratrum viride var. eschscholziaenum (Roemer & Schultes) Breitung (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Zigadenus elegans Pursh (GUID: ipni-543825-1). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Anticlea elegans (Pursh) Rydb.** according to PAF ; Comments:
- **Anticlea elegans (Pursh) Rydb.** according to WCSP ; Comments: WCSP
- **Anticlea elegans (Pursh) Rydb.** according to ACCS ; Comments: Panarctic Flora Checklist

Menyanthaceae

Fauria crista-gallii (Menzies) Makino (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Menyanthes trifoliata L. (GUID: ipni-370147-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Nephrophyllidium crista-galli (Menzies ex Hook.) Gilg (GUID: ipni-169585-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Montiaceae

Claytonia acutifolia Pall. ex Willd. (GUID: ipni-698617-1). In Alaska according to FNA. An *accepted name* according to ALA, FNA.

Claytonia arctica Adams (GUID: ipni-323283-2). In Alaska according to PAF, FNA, ALA, ACCS. An *accepted name* according to PAF, FNA, ALA, ACCS.

Claytonia eschscholtzii Cham. (GUID: ipni-698693-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Claytonia multiscapa Rydb. (GUID: ipni-291413-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Claytonia multiscapa subsp. czukczorum (Volkova) John M. Mill. & K.L. Chambers (GUID: ipni-77079960-1). In Alaska according to PAF, ACCS. An *accepted name* according to WCSP, PAF, ACCS.

Claytonia parvifolia Moc. ex DC. (GUID: ipni-60016-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Montia parvifolia** (Moc. ex DC.) Greene according to ACCS ; Comments: Flora of North America

Claytonia perfoliata Donn ex Willd. (GUID: ipni-81487-3). In Alaska according to ALA. An *accepted name* according to ALA, WCSP.

Claytonia porsildii Jurtzev (GUID: ipni-897416-1). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Claytonia scammaniana** Hultén according to ALA ; Comments: Elven, R. et al. 2003
- **Claytonia scammaniana** Hultén according to ACCS ; Comments: Panarctic Flora Checklist

Claytonia sarmentosa C.A. Mey. (GUID: ipni-698806-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Claytonia scammaniana Hultén (GUID: ipni-698810-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Claytonia sibirica L. (GUID: ipni-311959-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Claytonia tuberosa Pall. ex Schult. (GUID: kew-2725301). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Claytonia tuberosa Pall. ex Willd. (GUID: ipni-698842-1). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Claytoniella bostockii (A.E. Porsild) Jurtzev (GUID: ipni-698859-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Montia bostockii** (A.E. Porsild) S.L. Welsh according to WCSP ; Comments: WCSP
- **Montia vassilievii subsp. vassilievii** according to PAF ; Comments: Elven and Murray: [Montia vassilievii] is documented to reach the Arctic at Toolik Lake in the Brooks Range, northern Alaska (ALA). When [M. bostockii] is included in [M. vassilievii], we are in doubt whether it is best included in subsp. [vassilievii] or treated as a third subspecies.
- **Montia vassilievii subsp. vassilievii** (Kuzen.) McNeill according to ACCS ; Comments: Panarctic Flora Checklist

Montia bostockii (A.E. Porsild) S.L. Welsh (GUID: ipni-698985-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Claytoniella bostockii** (A.E. Porsild) Jurtzev according to ALA ; Comments: PAF Checklist; Pan Arctic Flora Checklist; Pan Arctic Flora Checklist
- **Montia vassilievii subsp. vassilievii** according to PAF ; Comments: Elven and Murray: [Montia vassilievii] is documented to reach the Arctic at Toolik Lake in the Brooks Range,

northern Alaska (ALA). When [*M. bostockii*] is included in [*M. vassilievii*], we are in doubt whether it is best included in subsp. [*vassilievii*] or treated as a third subspecies.

- ***Montia vassilievii* subsp. *vassilievii* (Kuzen.) McNeill** according to ACCS ; Comments: Panarctic Flora Checklist

***Montia chamissoi* (Ledeb. ex Spreng.) Greene** (GUID: ipni-1183820-2). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

***Montia chamissoi* Greene** (GUID: ipni-698992-1). In Alaska according to ALA. An *accepted name* according to ALA.

***Montia fontana* L.** (GUID: ipni-136817-3). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Montia fontana* subsp. *chondrosperma* (Fenzl) Walters** (GUID: ipni-136897-3). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- ***Montia fontana* L.** according to ACCS ; Comments: Panarctic Flora Checklist

***Montia parvifolia* (Moc. ex DC.) Greene** (GUID: ipni-164111-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

***Montia parvifolia* Greene** (GUID: ipni-699032-1). In Alaska according to ALA. An *accepted name* according to ALA.

***Montia vassilievii* (Kuzen.) McNeill** (GUID: ipni-699051-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Montia vassilievii* subsp. *vassilievii (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

***Montia vassilievii* subsp. *vassilievii* (Kuzen.) McNeill** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Myricaceae

***Myrica gale* L.** (GUID: ipni-300581-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Myrica gale* var. *tomentosa* C.DC.** (GUID: ipni-166236-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Nymphaeaceae

***Nuphar lutea* (L.) Sm.** (GUID: ipni-30385379-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

***Nuphar lutea* subsp. *polysepala* (Engelm.) E.O.Beal** (GUID: ipni-171079-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Nuphar polysepala* Engelm.** according to PAF ; Comments:
- ***Nuphar polysepala* Engelm.** according to ACCS ; Comments: Panarctic Flora Checklist
- ***Nuphar polysepala* Engelm.** according to FNA ; Comments: FNA

***Nuphar polysepala* Engelm.** (GUID: ipni-1021676-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Nymphaea minor DC. (GUID: ipni-605632-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Nymphaea odorata subsp. odorata** Aiton according to **ACCS** ; Comments: Flora of North America

Nymphaea odorata Aiton (GUID: ipni-605647-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Nymphaea odorata subsp. odorata Aiton (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Nymphaea odorata var. gigantea Tricker (GUID: ipni-171202-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Nymphaea odorata subsp. odorata** Aiton according to **ACCS** ; Comments: Flora of North America

Nymphaea reniformis Walter (GUID: ipni-605687-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Nymphaea odorata subsp. odorata** Aiton according to **ACCS** ; Comments: Flora of North America

Nymphaea tetragona Georgi (GUID: ipni-605723-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Onagraceae

Chamerion angustifolium (L.) Holub (GUID: ipni-611405-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Epilobium angustifolium** L. according to **ALA** ; Comments: ALA Taxon List
- **Epilobium angustifolium** L. according to **WCSP** ; Comments: WCSP

Chamerion angustifolium subsp. angustifolium (GUID: trop-50127805). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Chamerion angustifolium subsp. angustifolium (L.) Holub (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Chamerion angustifolium subsp. circumvagum (Mosquin) Hoch (GUID: ipni-1118407-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Epilobium angustifolium subsp. circumvagum** Mosquin according to **WCSP** ; Comments: WCSP

Chamerion latifolium (L.) Holub (GUID: ipni-611412-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Epilobium latifolium** L. according to **WCSP** ; Comments: WCSP

Circaea alpina L. (GUID: ipni-611446-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Circaea alpina subsp. alpina (GUID: trop-23200007). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Circaea alpina subsp. pacifica (Asch. & Magnus) P.H.Raven (GUID: ipni-58896-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Epilobium anagallidifolium Lam. (GUID: ipni-611612-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Epilobium angustifolium L. (GUID: ipni-92411-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Chamerion angustifolium subsp. angustifolium (L.) Holub** according to **ACCS** ; Comments: Panarctic Flora Checklist

Epilobium angustifolium subsp. circumvagum Mosquin (GUID: ipni-294388-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chamerion angustifolium subsp. circumvagum (Mosquin) Hoch** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Chamerion angustifolium subsp. circumvagum (Mosquin) Hoch** according to **ACCS** ; Comments: Panarctic Flora Checklist

Epilobium angustifolium subsp. macrophyllum (Hauskn.) Hultén (GUID: ipni-92417-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chamerion angustifolium subsp. circumvagum (Mosquin) Hoch** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Chamerion angustifolium subsp. circumvagum (Mosquin) Hoch** according to **ACCS** ; Comments: Panarctic Flora Checklist

Epilobium arcticum Sam. (GUID: ipni-92424-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Epilobium davuricum Fisch. ex Hornem.** according to **WCSP** ; Comments: WCSP

Epilobium ciliatum Raf. (GUID: ipni-611725-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Epilobium ciliatum subsp. ciliatum (GUID: trop-23200034). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Epilobium ciliatum subsp. glandulosum (Lehm.) Hoch & P.H.Raven (GUID: ipni-887188-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, WCSP, PAF, ACCS**.

Epilobium clavatum Trel. (GUID: ipni-92466-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Epilobium davuricum Fisch. ex Hornem. (GUID: ipni-1071444-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Epilobium hornemannii Rchb. (GUID: ipni-92526-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Epilobium hornemannii subsp. behringianum (Hauskn.) Hoch & P.H.Raven (GUID: ipni-92527-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, WCSP, PAF, ACCS**.

Epilobium hornemannii subsp. hornemannii (GUID: trop-23201357). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Epilobium hornemannii subsp. hornemannii Rchb. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Epilobium lactiflorum Hauskn. (GUID: ipni-92534-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Epilobium latifolium L. (GUID: ipni-92536-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Chamerion latifolium (L.) Holub** according to **PAF** ; Comments: Small (1968) made a study of [Chamerion latifolium] parallel to Mosquin's (1966) study of [C. angustifolium] but reached different conclusions. There were differences in the geographical ranges of the two ploidy levels but no consistent morphological difference except for the balance between triporate pollen grains in the tetraploid plants and mixed triporate and tetraporate ones in the octoploid plants. Quadrivalent formation was very pronounced and autopolyploidy is suggested. Löve and Löve (1976a) raised the tetraploids to species rank as [C. subdentatum], based on a morphologically not very convincing argument: 'This is the tetraploid mainly western American and eastern Asian alpine taxon corresponding to the more widespread and almost circumpolar arctic-alpine octoploid species [C. latifolium] (L.) Holub'. In 1975, the Löves denoted the two as hexaploid and dodecaploid (with base number $x = 6$), in 1976 as tetraploid and octoploid (with base number $x = 9$). We follow Small's good arguments for not recognizing named races.
- **Chamerion latifolium (L.) Holub** according to **ACCS** ; Comments: Panarctic Flora Checklist

Epilobium leptocarpum Hausskn. (GUID: ipni-612004-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Epilobium leptophyllum Raf. (GUID: ipni-612005-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Epilobium luteum Pursh (GUID: ipni-612024-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Epilobium palustre L. (GUID: ipni-612155-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Epilobium sertulatum Hausskn. (GUID: ipni-92645-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Epilobium hornemannii subsp. behringianum (Hausskn.) Hoch & P.H. Raven** according to **PAF** ; Comments:
- **Epilobium hornemannii subsp. behringianum (Hausskn.) Hoch & P.H. Raven** according to **WCSP** ; Comments: **WCSP**
- **Epilobium hornemannii subsp. behringianum (Hausskn.) Hoch & P.H. Raven** according to **ACCS** ; Comments: Panarctic Flora Checklist

Myrinia pulvinata (Wahlenberg) Schimper (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Onocleaceae

Matteuccia struthiopteris (L.) Tod. (GUID: ipni-17145680-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Matteuccia struthiopteris var. pennsylvanica (Willd.) (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Matteuccia struthiopteris var. pennsylvanica (Willd.) C.V.Morton (GUID: ipni-154737-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Ophioglossaceae

- Botrychium alaskense** W.H.Wagner & J.R.Grant (GUID: ipni-324229-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Botrychium ascendens** W.H.Wagner (GUID: ipni-273431-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Botrychium campestre** W.H.Wagner & Farrar (GUID: ipni-17524700-1). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium campestre var. lineare** (W.H. Wagner) D.R. Farrar (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium lanceolatum** (Gmel.) Ångstr. (GUID: ipni-17061200-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.
- Botrychium lanceolatum subsp. lanceolatum** (S. G. Gmelin) Angström (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.
- Botrychium lunaria** (L.) Sw. (GUID: ipni-17061230-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Botrychium lunaria var. lunaria** (GUID: trop-26605939). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium minganense** Vict. (GUID: ipni-35291-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Botrychium montanum** W.H.Wagner (GUID: ipni-17501630-1). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium multifidum** (S.G. Gmel.) Trevis. (GUID: trop-26604575). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium multifidum** (S.G.Gmel.) Rupr. (GUID: ipni-17308990-1). In Alaska according to FNA. An *accepted name* according to ALA, FNA.
- Botrychium neolunaria** Stensvold & Farrar (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium pedunculatum** W.H.Wagner (GUID: ipni-17524710-1). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium pinnatum** H.St.John (GUID: ipni-35335-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Botrychium robustum** Rupr. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium simplex** E.Hitchc. (GUID: ipni-17061530-1). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Botrychium spathulatum** W.H.Wagner (GUID: ipni-273437-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Botrychium tunux** Stensvold & Farrar (GUID: ipni-324210-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Botrychium virginianum** (L.) Sw. (GUID: ipni-65636-3). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Botrychium yaaxudakeit Stensvold & Farrar (GUID: ipni-324211-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Ophioglossum pusillum Raf. (GUID: ipni-1165812-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Orchidaceae

Amerorchis rotundifolia (Banks ex Pursh) Hultén (GUID: ipni-615659-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**. A *synonym* of:

- **Galearis rotundifolia (Banks ex Pursh) R.M. Bateman** according to **PAF** ; Comments:
- **Galearis rotundifolia (Banks ex Pursh) R.M. Bateman** according to **WCSP** ; Comments: **WCSP**

Calypso bulbosa (L.) Oakes (GUID: ipni-621518-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Calypso bulbosa var. americana (R.Br.) Luer (GUID: ipni-43130-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Calypso bulbosa var. occidentalis (Holz.) B.Boivin (GUID: ipni-43133-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Coeloglossum viride (L.) Hartm. (GUID: trop-23500126). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, ALA, FNA**. A *synonym* of:

- **Dactylorhiza viridis (L.) R.M. Bateman, Pridgeon & M.W. Chase** according to **WCSP** ; Comments: **WCSP**

Coeloglossum viride subsp. bracteatum (Muhl. ex Willd.) Hultén (GUID: ipni-62703-2). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Coeloglossum viride (Linnaeus) Hartman** according to **FNA** ; Comments: **FNA**

Coeloglossum viride subsp. bracteatum (Muhl. ex Willd.) Soó (GUID: trop-23500630). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Corallorhiza maculata (Raf.) Raf. (GUID: ipni-624181-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Corallorhiza mertensiana Bong. (GUID: ipni-624210-1). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Corallorhiza trifida Châtel. (GUID: ipni-30219502-2). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, WCSP, FNA**.

Corallorhiza mertensiana Bong. (GUID: trop-23503220). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Corallorhiza trifida Châtel. (GUID: trop-23503224). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Cypripedium guttatum Sw. (GUID: ipni-625764-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Cypripedium guttatum subsp. guttatum (GUID: trop-23511845). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Cypripedium guttatum Sw.** according to **ACCS** ; Comments: **Panarctic Flora Checklist**

Cypripedium montanum Douglas ex Lindl. (GUID: ipni-625861-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Cypripedium parviflorum Salisb. (GUID: ipni-75375-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Cypripedium parviflorum var. exiliens Salisb. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cypripedium parviflorum var. makasin (Farw.) Sheviak (GUID: ipni-1025404-2). In Alaska according to FNA. An *accepted name* according to WCSP, FNA.

Cypripedium parviflorum var. pubescens (Willd.) Knight (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Cypripedium passerinum Richardson (GUID: ipni-625896-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Cypripedium passerinum Richardson in J. Franklin et al. (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Cypripedium yatabeanum Makino (GUID: ipni-75399-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Cypripedium × alaskanum P.M.Br. (GUID: ipni-302622-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Dactylorhiza aristata (Fisch. ex Lindl.) Soó (GUID: ipni-30032967-2). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, WCSP, ACCS, ALA, FNA.

Galearis rotundifolia (Banks ex Pursh) R.M.Bateman (GUID: ipni-77101359-1). In Alaska according to PAF. An *accepted name* according to WCSP, PAF.

Goodyera oblongifolia Raf. (GUID: trop-23502973). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Goodyera repens (L.) R. Br. (GUID: trop-23500789). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, WCSP, FNA.

Hammarbya paludosa (L.) Kuntze (GUID: ipni-638409-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Malaxis paludosa (L.) Sw.** according to ACCS ; Comments: Flora of North America
- **Malaxis paludosa (Linnaeus) Swartz** according to FNA ; Comments: FNA

Limnorchis aquilonis (Sheviak) Rebrist. & Elven (GUID: ipni-77099597-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Platanthera aquilonis Sheviak** according to WCSP ; Comments: WCSP
- **Platanthera aquilonis Sheviak** according to ACCS ; Comments: C. Sheviak

Limnorchis convallariifolia (Fisch. ex Lindl.) Rydb. (GUID: trop-23513824). In Alaska according to ACCS, ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Platanthera convallariifolia (Fisch. ex Lindl.) Lindl.** according to WCSP ; Comments: WCSP
- **Platanthera convallariifolia (Fisch.) Lindl.** according to ACCS ; Comments: C. Sheviak
- **Platanthera convallariifolia (Fisch.) Lindl.** according to ACCS ; Comments: C. Sheviak
- **Platanthera convallariifolia Fischer ex Lindley** according to FNA ; Comments: FNA

Limnorchis dilatata (Pursh) Rydb. (GUID: ipni-640497-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Platanthera dilatata (Pursh) Lindl. ex L.C.Beck** according to **WCSP** ; Comments: WCSP
- **Platanthera dilatata var. dilatata (Pursh) Lindl. ex Beck** according to **ACCS** ; Comments: C. Sheviak

Listera borealis Morong (GUID: ipni-641515-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Neottia borealis (Morong) Szlach.** according to **WCSP** ; Comments: WCSP

Listera caurina Piper (GUID: ipni-641521-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**. A *synonym* of:

- **Neottia banksiana (Lindl.) Rchb.f.** according to **WCSP** ; Comments: WCSP

Listera convallarioides (Sw.) Elliott (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Listera convallarioides (Sw.) Nutt. (GUID: trop-23521864). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Neottia convallarioides (Sw.) Rich.** according to **WCSP** ; Comments: WCSP

Listera convallarioides (Sw.) Nutt. ex Elliott (GUID: ipni-30120936-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Listera cordata (L.) R. Br. (GUID: trop-23503028). In Alaska according to **ACCS**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Neottia cordata (L.) Rich.** according to **WCSP** ; Comments: WCSP

Listera cordata var. nephrophylla (Rydb.) Hultén (GUID: ipni-141521-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Neottia cordata (L.) Rich.** according to **WCSP** ; Comments: WCSP

Lysiella obtusata (Banks ex Pursh) Rydb. (GUID: trop-23500839). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF**. A *synonym* of:

- **Platanthera obtusata (Banks ex Pursh) Lindl.** according to **WCSP** ; Comments: WCSP
- **Platanthera obtusata subsp. obtusata (Banks ex Pursh) Lindl.** according to **ACCS** ; Comments: C. Sheviak

Malaxis monophyllos (L.) Sw. (GUID: ipni-642358-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Malaxis monophyllos var. brachypoda (A. Gray) F. Morris & E.A. Eames (GUID: trop-23512134). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Malaxis monophyllos var. monophyllos (GUID: trop-23511843). In Alaska according to **FNA, ACCS**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Malaxis monophyllos (L.) Sw.** according to **WCSP** ; Comments: WCSP
- **Malaxis monophyllos (L.) Sw.** according to **ACCS** ; Comments: Flora of North America

Malaxis paludosa (L.) Sw. (GUID: ipni-642407-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**. A *synonym* of:

- **Hammarbya paludosa (L.) Kuntze** according to **WCSP** ; Comments: WCSP

Neottia banksiana (Lindl.) Rchb.f. (GUID: kew-134177). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Listera caurina** Piper according to ACCS ; Comments: Flora of North America
- Neottia borealis (Morong) Szlach.** (GUID: ipni-1158201-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Listera borealis** Morong according to ACCS ; Comments: Panarctic Flora Checklist
 - **Listera borealis** Morong according to FNA ; Comments: FNA
- Neottia convallarioides (Sw.) Rich.** (GUID: ipni-645305-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Listera convallarioides (Sw.) Nutt. ex Elliott** according to ACCS ; Comments: Flora of North America
- Neottia cordata (L.) Rich.** (GUID: ipni-645308-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Listera cordata (L.) R. Br.** according to ACCS ; Comments: Panarctic Flora Checklist
- Piperia candida Rand.Morgan & Ackerman** (GUID: ipni-958360-1). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:
- **Platanthera ephemerantha R.M.Bateman** according to WCSP ; Comments: WCSP
 - **Platanthera ephemerantha R.M. Bateman** according to ACCS ; Comments: ACCS Rare List
- Piperia unalascensis (Spreng.) Rydb.** (GUID: ipni-199616-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:
- **Platanthera unalascensis (Spreng.) Kurtz** according to WCSP ; Comments: WCSP
 - **Platanthera unalascensis (Spreng.) Kurtz** according to ACCS ; Comments: ACCS Rare List
- Platanthera aquilonis Sheviak** (GUID: ipni-319330-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA. A *synonym* of:
- **Limnorchis aquilonis (Sheviak) Rebrist. & Elven** according to PAF ; Comments:
- Platanthera chorisiana (Cham.) Rchb. f.** (GUID: trop-23503072). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, WCSP, FNA.
- Platanthera convallariifolia (Fisch. ex Lindl.) Lindl.** (GUID: kew-157092). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Limnorchis convallariaefolia (Fisch. ex Lindl.) Rydb.** according to ALA ; Comments: Elven, R. et al. 2003
 - **Platanthera convallariifolia (Fisch.) Lindl.** according to ACCS ; Comments: C. Sheviak
- Platanthera convallariifolia Fisch. ex Lindl.** (GUID: trop-23511850). In Alaska according to FNA. An *accepted name* according to FNA.
- Platanthera convallariifolia Lindl.** (GUID: ipni-201639-2). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Platanthera dilatata (Pursh) Lindl. ex L.C.Beck** (GUID: ipni-30167398-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP, ALA, ACCS. A *synonym* of:
- **Limnorchis dilatata (Pursh) Rydb.** according to PAF ; Comments: Sheviak (2002b) recognized three North American races of [Platanthera dilatata]: var. [dilatata], var. [albiflora], and var. [leucostachys]. He mapped them as nearly sympatric throughout western North America, including southwestern Alaska. Variety [dilatata] has a separate range in eastern North America, and the plant that reaches the Arctic on Hudson Bay and in Labrador belongs to var. [dilatata]. The southwestern Alaskan plants, possibly Borderline Arctic, may belong to either of

the three varieties. Sheviak presented an interesting hypothesis to explain the variation observed. Due to lack of revision of the Alaskan material, races are not entered.

Platanthera dilatata var. albiflora (Cham.) Ledeb. (GUID: ipni-201640-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA. A *synonym* of:

- **Limnorchis dilatata (Pursh) Rydb.** according to PAF ; Comments: Sheviak (2002b) recognized three North American races of [Platanthera dilatata]: var. [dilatata], var. [albiflora], and var. [leucostachys]. He mapped them as nearly sympatric throughout western North America, including southwestern Alaska. Variety [dilatata] has a separate range in eastern North America, and the plant that reaches the Arctic on Hudson Bay and in Labrador belongs to var. [dilatata]. The southwestern Alaskan plants, possibly Borderline Arctic, may belong to either of the three varieties. Sheviak presented an interesting hypothesis to explain the variation observed. Due to lack of revision of the Alaskan material, races are not entered.

Platanthera dilatata var. dilatata (GUID: trop-5016992). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Platanthera dilatata (Pursh) Lindl. ex L.C.Beck** according to WCSP ; Comments: WCSP

Platanthera dilatata var. dilatata (Pursh) Lindl. ex Beck (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Platanthera dilatata var. leucostachys (Lindl.) Luer (GUID: ipni-1090969-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA. A *synonym* of:

- **Limnorchis dilatata (Pursh) Rydb.** according to PAF ; Comments: Sheviak (2002b) recognized three North American races of [Platanthera dilatata]: var. [dilatata], var. [albiflora], and var. [leucostachys]. He mapped them as nearly sympatric throughout western North America, including southwestern Alaska. Variety [dilatata] has a separate range in eastern North America, and the plant that reaches the Arctic on Hudson Bay and in Labrador belongs to var. [dilatata]. The southwestern Alaskan plants, possibly Borderline Arctic, may belong to either of the three varieties. Sheviak presented an interesting hypothesis to explain the variation observed. Due to lack of revision of the Alaskan material, races are not entered.

Platanthera dilatata var. viridiflora (Cham.) Ledeb. (GUID: ipni-201645-2). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Platanthera stricta Lindl.** according to WCSP ; Comments: WCSP

Platanthera ephemerantha R.M.Bateman (GUID: ipni-77101361-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Platanthera huronensis (Nutt.) Lindl. (GUID: ipni-1190383-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Platanthera hyperborea var. viridiflora (Cham.) Luer (GUID: ipni-1078836-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Platanthera stricta Lindl.** according to WCSP ; Comments: WCSP
- **Platanthera stricta Lindl.** according to ACCS ; Comments: C. Sheviak
- **Platanthera stricta Lindley** according to FNA ; Comments: FNA

Platanthera obtusata (Banks ex Pursh) Lindl. (GUID: trop-23503095). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA. A *synonym* of:

- **Lysiella obtusata (Banks ex Pursh) Rydb.** according to ALA ; Comments: Elven, R. et al. 2003
- **Lysiella obtusata (Banks ex Pursh) Rydb.** according to PAF ; Comments:

Platanthera obtusata subsp. obtusata (Banks ex Pursh) Lindl. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Platanthera obtusata subsp. oligantha (Turcz.) Hultén (GUID: kew-157300). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Platanthera orbiculata (Pursh) Lindl. (GUID: ipni-30220552-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Platanthera stricta Lindl. (GUID: ipni-201678-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Platanthera tipuloides (L.f.) Lindl. (GUID: ipni-30078241-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, WCSP, FNA.

Platanthera tipuloides Lindl. (GUID: ipni-651924-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Platanthera tipuloides var. behringiana (Rydb.) Hultén (GUID: ipni-201680-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Platanthera unalascensis (Spreng.) Kurtz (GUID: ipni-651932-1). In Alaska according to ACCS, ALA. An *accepted name* according to WCSP, ACCS, ALA. A *synonym* of:

- **Piperia unalascensis (Sprengel) Rydberg** according to FNA ; Comments: FNA

Spiranthes romanzoffiana Cham. (GUID: ipni-242629-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Spiranthes romanzoffiana Cham. & Schltldl. (GUID: ipni-658426-1). In Alaska according to PAF. An *accepted name* according to PAF.

Orobanchaceae

Boschniakia rossica (Cham. & Schltldl.) B.Fedtsch. (GUID: ipni-35171-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Castilleja annua Pennell (GUID: ipni-800862-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Castilleja caudata (Pennell) Rebrist.** according to PAF ; Comments: Elven and Murray: The wide span in the few chromosome number reports for [Castilleja caudata] is intriguing. The morphological pattern in material identified as this species suggests that it partly has been used as a dumping place for things not fitting elsewhere, both in northwestern North America and in northeastern Asia. It is the most common and the most weedy of [Castillejas] in northwestern North America and partly also in Chukotka. Pennell (1934) considered [C. annua] to be a local endemic of the Fairbanks area in central Alaska. He was followed by Hultén (1949a). Hultén (1968a) seems to have included it in [C. caudata] to which it must be closely related. In a revision of herbarium specimens of [Castilleja] in 1999-2000, Egger accepted [C. annua] and enlarged the range appreciably to cover several of the major interior valleys of central and eastern Alaska north to the southern Brooks Range. [Castilleja annua] is intermediate in size and some other features between [C. caudata] and [C. yukonis]. It is probable that the majority or all reports of [C. yukonis] from Alaska are based on such plants. It is also feasible that the varied chromosome numbers reported for [C. caudata] may hide several taxa and that [C. annua] may be one of these. Egger (2008) had changed his opinion and commented: 'I regard [C. annua] Pennell as synonymous with [C. pallida] var. [caudata]. The type collection of [C. annua] represents an inconstant morph with small flowers and branching stems found

sporadically throughout much of the range of var. [caudata] and usually grading into the more typical morphs within populations and local areas'.

- **Castilleja caudata (Pennell) Rebr.** according to ACCS ; Comments: Panarctic Flora Checklist

Castilleja caudata (Pennell) Rebr. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Castilleja caudata (Pennell) Rebrist. (GUID: ipni-800899-1). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF, WCSP.

Castilleja caudata var. auricoma Hultén (GUID: trop-29201663). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Castilleja caudata (Pennell) Rebr.** according to ACCS ; Comments: Panarctic Flora Checklist

Castilleja chrymactis Pennell (GUID: ipni-800908-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Castilleja elegans Malte (GUID: ipni-49480-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Castilleja elegans Ostenf. (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Castilleja hyetophila Pennell (GUID: ipni-800991-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Castilleja hyperborea Pennell (GUID: ipni-800993-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Castilleja miniata Douglas ex Hook. (GUID: ipni-801055-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Castilleja miniata subsp. dixonii (Fernald) Kartesz (GUID: ipni-1155880-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Castilleja miniata var. dixonii (Fernald) A.Nelson & J.F.Gmel.** according to WCSP ; Comments: WCSP

Castilleja miniata subsp. miniata Douglas ex Hook. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Castilleja pallida (L.) Spreng. (GUID: ipni-801090-1). In Alaska according to ACCS, PAF. An *accepted name* according to ACCS, ALA, PAF.

Castilleja pallida var. yukonis (Pennell) J.M.Egger (GUID: ipni-77097862-1). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Castilleja yukonis Pennell** according to ALA ; Comments: Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.
- **Castilleja yukonis Pennell** according to ACCS ; Comments: Panarctic Flora Checklist

Castilleja parviflora Bong. (GUID: ipni-801094-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Castilleja parviflora var. parviflora Bong. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Castilleja raupii Pennell (GUID: ipni-801129-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Castilleja uliginosa Eastw. (GUID: ipni-801192-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Castilleja miniata** subsp. **miniata** Douglas ex Hook. according to ACCS ; Comments: ITIS

Castilleja unalascensis (Cham. & Schldl.) Malte (GUID: trop-29201763). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Castilleja villosissima Pennell (GUID: ipni-801198-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Castilleja hyperborea** Pennell according to WCSP ; Comments: WCSP
- **Castilleja hyperborea** Pennell according to ACCS ; Comments: Panarctic Flora Checklist

Castilleja yukonis Pennell (GUID: ipni-801211-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Castilleja pallida** var. **yukonis** (Pennell) J.M.Egger according to WCSP ; Comments: WCSP

Euphrasia mollis (Ledeb.) Wettst. (GUID: ipni-802700-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Euphrasia nemorosa (Pers.) Wallr. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Euphrasia subarctica Raup (GUID: ipni-802882-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Orobanche fasciculata Nutt. (GUID: ipni-662331-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Orobanche porphyrantha Beck (GUID: ipni-291774-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Orobanche uniflora** L. according to ACCS ; Comments: ITIS

Orobanche purpurea Jacq. (GUID: ipni-662628-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Orobanche uniflora** L. according to ACCS ; Comments: ITIS

Orobanche uniflora L. (GUID: ipni-662778-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Orthocarpus hispidus Benth. (GUID: ipni-806522-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Pedicularis albolabiata (Hultén) Kozh. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Pedicularis albolabiata (Hultén) Kozhanch. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Pedicularis albolabiata (Hultén) Kozhev. (GUID: ipni-186367-2). In Alaska according to PAF. An *accepted name* according to PAF.

Pedicularis arctoeuropaea (Hultén) Molau & D.F.Murray (GUID: ipni-989718-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Pedicularis capitata Adams. (GUID: ipni-806889-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Pedicularis chamissonis Steven (GUID: ipni-806901-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Pedicularis groenlandica Retz. (GUID: ipni-807119-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Pedicularis hirsuta L. (GUID: ipni-807151-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Pedicularis interior (Hultén) Molau & D.F.Murray (GUID: ipni-989719-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Pedicularis labradorica Wirsing (GUID: ipni-807236-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Pedicularis lanata Cham. & Schltldl. (GUID: NULL). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Pedicularis lanata Willd. ex Cham. & Schltldl. (GUID: ipni-807250-1). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Pedicularis langsдорffii Fisch. ex Steven (GUID: ipni-807253-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Pedicularis langsдорffii subsp. arctica (R.Br.) Pennell ex Hultén (GUID: ipni-186429-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Pedicularis langsдорffii subsp. langsдорffii (GUID: trop-29203804). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Pedicularis langsдорffii subsp. langsдорffii Fisch. ex Stev. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Pedicularis langsдорffii var. purpurascens (Cham. ex Spreng.) Ivanina (GUID: ipni-919569-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Pedicularis lapponica L. (GUID: ipni-807256-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Pedicularis macrodonta Richardson (GUID: trop-29203801). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Pedicularis parviflora Sm. ex Rees** according to **ACCS** ; Comments: Panarctic Flora Checklist

Pedicularis oederi Vahl (GUID: ipni-807415-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Pedicularis ornithorhyncha Benth. ex Hook. (GUID: trop-29201218). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Pedicularis pacifica (Hultén) Kozh. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Pedicularis pacifica (Hultén) Kozhev. (GUID: ipni-186445-2). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Pedicularis parviflora Sm. (GUID: ipni-807444-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Pedicularis pennellii Hultén (GUID: ipni-807455-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Pedicularis verticillata L. (GUID: ipni-807787-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Rhinanthus minor L. (GUID: ipni-30116962-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Rhinanthus minor subsp. borealis (Sterneck) P.D. Sell (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Rhinanthus minor subsp. borealis (Sterneck) Á.Löve (GUID: ipni-219218-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Rhinanthus minor L.** according to **ALA** ; Comments: Elven, R. et al. 2003

Papaveraceae

Capnoides sempervirens (L.) Borkh. (GUID: trop-24000346). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, WCSP**. A *synonym* of:

- **Corydalis sempervirens (L.) Pers.** according to **ACCS** ; Comments: Flora of North America
- **Corydalis sempervirens (Linnaeus) Persoon** according to **FNA** ; Comments: FNA

Corydalis arctica Popov (GUID: ipni-672070-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Corydalis pauciflora (Steph. ex Willd.) Pers.** according to **WCSP** ; Comments: WCSP
- **Corydalis pauciflora (Stephan ex Willdenow) Persoon** according to **FNA** ; Comments: FNA

Corydalis aurea Willd. (GUID: ipni-672076-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Corydalis aurea subsp. aurea (GUID: ipni-66346-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Corydalis aurea subsp. aurea Willd. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Corydalis pauciflora (Stephan ex Willd.) Pers. (GUID: trop-24000176). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Corydalis sempervirens (L.) Pers. (GUID: trop-24000010). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**. A *synonym* of:

- **Capnoides sempervirens (L.) Borkh.** according to **WCSP** ; Comments: WCSP

Eschscholzia californica Cham. (GUID: ipni-90934-3). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Papaver alaskanum Hultén (GUID: ipni-673383-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Papaver radicum subsp. alaskanum (Hultén) J. P. Anderson** according to **FNA** ; Comments: FNA

Papaver alboroseum Hultén (GUID: ipni-673385-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Papaver chionophilum V.V.Petrovsky (GUID: ipni-902706-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Papaver croceum Rändel ex D.F. Murray (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Papaver dahlianum subsp. polare (Tolm.) T.V.Egorova (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Papaver denalii Gjaerev. (GUID: ipni-182755-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Papaver mcconnellii Hultén** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Papaver mcconnellii Hultén** according to **FNA** ; Comments: FNA
- **Papaver mcconnellii Hultén** according to **PAF** ; Comments: [Papaver mcconnellii] was first described as a local species in northwestern Canada, in the mountains between the Yukon Territory and the Northwest Territories in northwestern Canada (Hultén 1945a, 1968a; Porsild and Cody 1980). Kiger and Murray (1997) extended its range into larger parts of southern and central Alaska by inclusion of [P. denalii] Gjaerev. and also mapped it from western Alaska (Seward Peninsula). Populations from several additional parts of western and northwestern Alaska assign with this group in AFLPs and morphology (Solstad 2009). The three main diagnostic characters of [P. mcconnellii] vs. [P. alaskanum] are the larger flowers, the more numerous stamens, and the more dissected blades. These characters are shared by [P. macounii] which differs from both [P. alaskanum] and [P. mcconnellii] in its very long, narrowly obconical capsule with a pyramidal disc. A reported character of colour of bristles on the capsule (Kiger and Murray 1997) does not separate between the plants in the two AFLP clusters we assign as [P. alaskanum] and [P. mcconnellii]. Also [P. mcconnellii] is polymorphic and may include several taxa. Three groups are discernible in the AFLP data: one in northwestern and western Alaska including the Seward Peninsula; one in south-central Alaska, the Yukon Territory, and the Northwest Territories, corresponding to [P. mcconnellii] as typified and probably to [P. denalii]; and one yet documented from the British Mountains in the northernmost Yukon Territory. The last-mentioned group is the most deviating in both AFLP markers and morphology. Tolmachev (1975a) and Petrovsky (1999) suggested similarities between [P. mcconnellii] and the West Chukotkan [P. anjuicum].

Papaver detritophilum V.V.Petrovsky (GUID: ipni-906795-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Papaver gorodkovii Tolm. & V.V.Petrovsky (GUID: ipni-673525-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Papaver hultenii Knaben (GUID: ipni-673543-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Papaver lapponicum (Tolmatchew) Nordhagen** according to **FNA** ; Comments: FNA

Papaver hultenii var. salmonicolor Hultén (GUID: trop-24000867). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Papaver hultenii Knaben** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Papaver lapponicum (Tolmatchew) Nordhagen** according to **FNA** ; Comments: FNA

Papaver keelei A.E.Porsild (GUID: ipni-182760-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Papaver macounii subsp. discolor (Hultén) Rändel ex D.F.Murray** according to **ALA** ; Comments: if vpapmacsdis is elevated to species rank, the correct name is vpapkee; Kiger et al. draft; Kiger et al., FNA manuscript (chap. 19)

Papaver kluanense D.Löve (GUID: ipni-182761-2). In Alaska according to ALA, ACCS, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Papaver kluanensis** D. Löve according to ACCS ; Comments: Panarctic Flora Checklist
- **Papaver radicum subsp. kluanensis** (D. Löve) D. F. Murray according to FNA ; Comments: FNA

Papaver lapponicum (Tolm.) Nordh. (GUID: ipni-673576-1). In Alaska according to FNA. An *accepted name* according to ALA, WCSP, FNA.

Papaver lapponicum subsp. occidentale (Lundstr.) Knaben (GUID: trop-24000135). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Papaver hultenii** Knaben according to ACCS ; Comments: Panarctic Flora Checklist
- **Papaver radicum subsp. radicum** according to FNA ; Comments: FNA

Papaver lapponicum subsp. porsildii Knaben (GUID: ipni-182763-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Papaver hultenii** Knaben according to ACCS ; Comments: Panarctic Flora Checklist

Papaver macounii Greene (GUID: ipni-673593-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Papaver macounii subsp. discolor (Hultén) Rändel ex D.F.Murray (GUID: ipni-1152087-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Papaver keelei** A.E. Porsild according to PAF ; Comments: [Papaver keelei] is by far the most common species of [Papaver] in East Chukotka, Alaska, the Yukon Territory, and the westernmost mainland Northwest Territories (the Mackenzie and Richardson mountains). The records from Banks Island in the Canadian Arctic Archipelago (Porsild and Cody 1980; Solstad 2007) have proved to belong to [P. hultenii] (conclusions by Solstad and Elven in 2009 based on CAN and DAO specimens). No morphological differences have been found between American and Asian plants and they are also inseparable in molecular markers. This entity is well documented as tetraploid ($2n = 28$) from both sides of the Straits but occasional hexaploids occur (see above) without any evident difference in morphology or AFLP markers, i.e., probably results of autopolyploidy. [Papaver keelei] keeps distinct from all other species in the AFLP analysis. However, a loose cluster of [P. keelei] and the Asian high polyploids [P. paucistaminum] and [P. atrovirens] is supported. Porsild (e.g., Porsild 1966) considered [P. keelei] and [P. macounii] (subsp. [discolor]) specifically different and both as present in the Yukon Territory, the latter as large-flowered and as rare. Porsild and Cody (1980) assigned all Alaskan and Yukon plants to [P. keelei], whereas Kiger and Murray (1997) tentatively synonymized [P. keelei] with [P. macounii] subsp. [discolor]. Several populations of plants corresponding to Porsild's concept of Yukon [P. keelei] were included in our sample for the AFLP analysis together with western Alaskan and Chukotkan subsp. [macounii]. We can see some morphological variation, but in the analysis all plants came out as one cluster without internal differentiation. The types of the names [P. macounii] var. [discolor] (S) and [P. keelei] (CAN) have been compared and conform with these two parts of our material. [Papaver keelei] and [P. macounii] subsp. [discolor] should be synonymized and considered as one species. Numerous authors have stated that [P. keelei] is a decaploid with $2n = 70$, whereas subsp. [discolor] is a tetraploid with $2n = 28$ (e.g., Mulligan and Porsild 1969b; Porsild 1975; Löve and Löve 1975a; Petrovsky 1999). The reports of $2n = 70$ from the Yukon Territory (Mulligan and Porsild 1969b; Porsild 1975) were assigned to [P. keelei] by the original authors. We (Murray, Solstad, Elven) have inspected the decaploid voucher plants (in CAN). They do not conform to our concept of [P. keelei] (or subsp. [discolor]) but we are not sure where to assign them. [Papaver keelei] is documented as tetraploid and occasionally hexaploid, but not as decaploid.

- **Papaver keelei** A.E. Porsild according to ACCS ; Comments: Panarctic Flora Checklist
- Papaver macounii subsp. macounii** (GUID: trop-24000864). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.
- Papaver mcconnellii** Hultén (GUID: ipni-673601-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Papaver murrayi** (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.
- Papaver murrayi nom . nov** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Papaver nudicaule L.** (GUID: ipni-673627-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.
- Papaver nudicaule subsp. americanum Rändel ex D.F.Murray** (GUID: ipni-984405-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.
- Papaver nudicaule subsp. insulare V.V.Petrovsky** (GUID: ipni-917920-1). In Alaska according to ALA. An *accepted name* according to ALA.
- Papaver nudicaule subsp. nudicaule** (GUID: trop-50164144). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Papaver croceum Rändel ex D.F. Murray** according to ACCS ; Comments: Panarctic Flora Checklist
- Papaver radicum subsp. alaskanum (Hultén) J.P. Anderson** (GUID: trop-24001061). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to FNA. A *synonym* of:
- **Papaver alaskanum Hultén** according to PAF ; Comments: We are not sure what [Papaver alaskanum] is or should be, and neither were probably Hultén (1937, 1945a, 1968a) nor Kiger and Murray (1997, as [P. radicum] subsp. [alaskanum]). Hultén (1937), when publishing the name [P. alaskanum], specified as type a plant collected by himself in Unalaska in 1932 but as for a diagnosis he referred to the description of [P. ‘nudicaule’] as reported from Unalaska by Chamisso and Schlechtendal (1826). Hultén (1937) compared his plant with [P. microcarpum] and stated that it ‘differs . . . in its lemon-yellow petals without basal spot, in more numerous stamens, and in the fact that the central projection of the stigmas is missing (or practically missing). The caudex is more densely covered with the dilatate bases of the previous year’s petioles.’ Hultén’s (1945a) [P. alaskanum] var. [latilobum] from Umnak Island in the Aleutian Islands was described as differing in leaf lobe shape and size and flower size and corresponds closely to the plant from Kiska Island included in the AFLP study. The statement that [P. alaskanum] has more numerous stamens than [P. microcarpum] is strange as [P. microcarpum] is in the top range (50-70 stamens) in sect. [Meconella] (see Solstad 2009) whereas the stamen number in Hultén’s type specimen is in the range 16-24. Hultén may have compared with another plant than De Candolle’s [P. microcarpum]. The plants we have studied in AFLP patterns and in ploidy level estimates and assigned to [P. alaskanum] are characterized by unusually few stamens (8 or 16, very rarely 4, in the Aleutian Islands, ca. 24 in Alaska Peninsula). Our Aleutian (Kiska Island) population corresponds to Hultén’s var. [latilobum], reported also by Hultén (1945a, 1960) from Kiska, whereas the Alaska Peninsula (Becharof Lake) population was unknown at Hultén’s time and differ in, e.g., being very small-flowered with brick-red petals with a yellow basal spot. Our brick-red flowered plant may be outside Hultén’s concept. However, our two populations are closely joined in the analyses of AFLP markers, even if at different ploidy levels, and are close related. [Papaver alaskanum] or the [P. alaskanum] complex may be restricted to southwestern and western (coastal) Alaska (Hultén 1937, 1945a, 1960, 1968a; Kiger and Murray 1997; in addition plants from Seward Peninsula in

ALA with 16 stamens, ALA). In our circumscription it is very (perhaps too) polymorphic in the majority of its features. Characters keeping it together are dense tussocks with a compact cover of pale brownish, tough marcescent sheaths, leaves often glaucous and sometimes finely dissected, scapes ascending, and capsules with dark trichomes with thickened bases. However, it shares these features with many other species. Capsule shape varies from subglobular to obovoid or ellipsoid. Petal colour varies from white and yellow to brick red, and flower size from unusually small to moderately large. At least two ploidy levels are present. It is therefore probable that [*P. alaskanum*] as currently considered will fall apart into two or more species when further studied.

- **Papaver alaskanum** Hultén according to ACCS ; Comments: Panarctic Flora Checklist
- **Papaver alaskanum** Hultén according to ALA ; Comments: Elven, R. et al. 2003

Papaver radicum subsp. kluanense (D.Löve) D.F.Murray (GUID: ipni-1173244-2). In Alaska according to ALA, ACCS, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Papaver kluanensis** D.Löve according to ALA ; Comments: Elven, R. et al. 2003
- **Papaver kluanensis** D. Löve according to ACCS ; Comments: Panarctic Flora Checklist
- **Papaver kluanensis** D. Löve according to ACCS ; Comments: Panarctic Flora Checklist

Papaver radicum subsp. radicum (GUID: trop-24000352). In Alaska according to FNA. An *accepted name* according to ALA, FNA.

Papaver rhoeas L. (GUID: ipni-111236-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Papaver schamurinii V.V.Petrovsky (GUID: ipni-906798-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to WCSP, ALA, PAF, ACCS.

Papaver walpolei A.E.Porsild (GUID: ipni-673781-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Phrymaceae

Mimulus guttatus DC. (GUID: ipni-162201-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Mimulus lewisii Pursh (GUID: ipni-805991-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Mimulus tilingii Regel (GUID: ipni-806124-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Mimulus tilingii var. tilingii Regel (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Pinaceae

Abies amabilis Douglas ex Forbes (GUID: trop-24900242). In Alaska according to ACCS. An *accepted name* according to ACCS.

Abies amabilis Douglas ex J.Forbes (GUID: ipni-325658-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Abies lasiocarpa (Hook.) Nutt. (GUID: ipni-1081948-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Larix laricina (Du Roi) K.Koch (GUID: ipni-30017098-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Picea glauca (Moench) Voss (GUID: ipni-195874-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Picea mariana (Mill.) Britton, Sterns & Poggenb. (GUID: trop-24900169). In Alaska according to **PAF, ACCS, ALA**. An *accepted name* according to **PAF, WCSP, ACCS, ALA**.

Picea mariana (Miller) Britton (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Picea sitchensis (Bong.) Carrière (GUID: ipni-676986-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Picea × lutzii Little (GUID: ipni-288165-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Pinus contorta Douglas ex Loudon (GUID: ipni-30000492-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Pinus contorta subsp. contorta (GUID: trop-24900627). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Pinus contorta subsp. contorta Douglas ex Loudon (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Pinus contorta subsp. latifolia (Engelm. ex S. Watson) Critchfield (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Pinus contorta subsp. latifolia (Engelm.) Critchf. (GUID: trop-24900318). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Pinus contorta var. latifolia Engelm.** according to **WCSP** ; Comments: **WCSP**
- **Pinus contorta var. latifolia Engelmann in S. Watson** according to **FNA** ; Comments: **FNA**

Pinus contorta var. contorta (GUID: trop-24900528). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Pinus contorta var. latifolia Engelm. (GUID: trop-24900185). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Tsuga heterophylla (Raf.) Sarg. (GUID: trop-24900238). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Tsuga mertensiana (Bong.) Carrière (GUID: ipni-264014-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Plantaginaceae

Antirrhinum orontium L. (GUID: ipni-799223-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Misopates orontium (L.) Raf.** according to **WCSP** ; Comments: **WCSP**
- **Misopates orontium (L.) Raf.** according to **ACCS** ; Comments: **ITIS**

Callitriche anceps Fernald (GUID: ipni-42484-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- **Callitriche heterophylla Pursh** according to **WCSP** ; Comments: **WCSP**

Callitriche hermaphroditica L. (GUID: ipni-330920-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Callitriche heterophylla Pursh (GUID: ipni-430004-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Callitriche heterophylla subsp. bolanderi (Hegelm.) Calder & R.L.Taylor (GUID: kew-31600). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Callitriche heterophylla var. bolanderi** (Hegelm.) Fassett according to **WCSP** ; Comments: WCSP

Callitriche heterophylla subsp. bolanderi (Hegelm.) Calder & Roy L.Taylor (GUID: ipni-42497-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Callitriche heterophylla var. bolanderi (Hegelm.) Fassett (GUID: ipni-42498-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Callitriche heterophylla subsp. bolanderi** (Hegelm.) Calder & Roy L. Taylor according to **ACCS** ; Comments: D.F. Murray

Callitriche palustris L. (GUID: ipni-430030-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Callitriche stenoptera Lansdown (GUID: ipni-77105245-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, WCSP, ACCS**.

Chaenorhinum minus (L.) Lange (GUID: ipni-801401-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Collinsia parviflora Douglas ex Lindl. (GUID: kew-2731115). In Alaska according to **ALA**. An *accepted name* according to **WCSP, ALA**.

Digitalis purpurea L. (GUID: ipni-802077-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Digitalis purpurea subsp. purpurea (GUID: trop-29205069). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Hippuris lanceolata Retz. (GUID: ipni-430345-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Hippuris montana Ledeb. ex Rchb. (GUID: ipni-430347-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Hippuris tetraphylla L.f. (GUID: ipni-430350-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, WCSP, PAF, ACCS**.

Hippuris vulgaris L. (GUID: ipni-430352-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Lagotis glauca Gaertn. (GUID: ipni-30072394-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Lagotis minor** (Willd.) Standl. according to **WCSP** ; Comments: WCSP

Lagotis glauca subsp. glauca (GUID: trop-29203798). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Lagotis glauca subsp. glauca Gaertn. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Lagotis glauca subsp. lanceolata (Hultén) D.F. Murray & Elven (GUID: ipni-77113962-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Lagotis glauca subsp. stelleri Gjaerev. (GUID: ipni-60452891-2). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Lagotis glauca subsp. lanceolata (Hultén) D.F. Murray & Elven** according to PAF ;
Comments: The plants of Yana-Kolyma may belong to either subsp. [lanceolata] or subsp. [minor]. They have not been inspected. The name [Gymnandra stelleri] Ledeb. ex Spreng. 1825 may belong to this race but this will be difficult to decide because no type specimen is known and because the diagnosis does not fit our plant. The name [Gymnandra stelleri] Cham. & Schltdl. 1827 refers back to the same Pallas collection as the previous name and in addition to northern Chukotkan plants certainly belonging within this race, but is an illegitimate homonym. In addition, the diagnosis does not fit this race. The subspecific combination [L. glauca] subsp. [stelleri] Gjaerev. 1967 is, in addition, invalid because of insufficient reference to the basionym. Instead of trying to validate the Gjaerevoll subspecific combination by a sufficient reference to a basionym and designation of a lecto or neotype, we decided to raise Hultén's var. [lanceolata] to rank as subspecies. This name is based on an adequate diagnosis fitting our plant and an unambiguous type can be selected (even if we have not done so yet).

Lagotis minor (Willd.) Standl. (GUID: ipni-804144-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Lagotis glauca subsp. lanceolata (Hultén) D.F. Murray & Elven** according to ACCS ;
Comments: Panarctic Flora Checklist

Linaria maroccana Hook.f. (GUID: ipni-158241-3). In Alaska according to ACCS. An *accepted name* according to ACCS.

Linaria pinifolia Thell. (GUID: ipni-804853-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Linaria vulgaris Mill. (GUID: ipni-805039-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Misopates orontium (L.) Raf. (GUID: ipni-806149-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Misopates orontium (L.) Raf.** according to ACCS ; Comments: ITIS

Penstemon gormanii Greene (GUID: ipni-808120-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Penstemon serrulatus Menzies (GUID: ipni-808292-1). In Alaska according to ALA. An *accepted name* according to ALA.

Penstemon serrulatus Menzies ex Sm. (GUID: ipni-60456598-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Plantago canescens Adams (GUID: ipni-684983-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ALA, ACCS.

Plantago canescens subsp. richardsonii (Decne.) Tzvelev (GUID: ipni-922546-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Plantago eriopoda Torr. (GUID: ipni-685122-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Plantago lanceolata L. (GUID: ipni-95516-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Plantago macrocarpa Cham. & Schltldl. (GUID: ipni-685377-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Plantago major L. (GUID: ipni-95647-3). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Plantago major var. **major** (GUID: trop-25200305). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Plantago major** L. according to **ACCS** ; Comments: D.F. Murray

Plantago maritima L. (GUID: ipni-685398-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Plantago maritima subsp. **juncoides** (Lam.) Hultén (GUID: ipni-201427-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Plantago maritima** L. according to **WCSP** ; Comments: WCSP
- **Plantago maritima** L. according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Plantago maritima** L. according to **PAF** ; Comments: The variation among the northern plants of [*Plantago maritima*] is not resolved and we refrain from entering any arctic race(s). The species reaches the Arctic in three regions: in northern Europe from Iceland east to northeastern European Russia, in northeastern and northern North America including Greenland and Hudson Bay and with scattered occurrences west to the Mackenzie River, and in western Alaska as a northern extension of a Pacific American range. Several races have been proposed. The type race - subsp. [*maritima*] - is a common western European coastal plant with elongating spikes with lanceolate and acute bracts and with ovate capsules each with 2-3 seeds. It is probably non-arctic but approaches in northern Norway and is reported from Iceland by implication by Löve and Löve (1975a). The arctic plants mostly have much shorter spikes with broader bracts, more rounded capsules, and at least the Greenland ones with only 3-4 seeds per capsule. Two taxa have been named in the arctic North Atlantic regions. The name [*P. borealis*] Lange is based on Greenland plants. Its priority name at subspecies level is subsp. [*borealis*] (Lange) A. Blytt & O.C. Dahl as there is a clear reference to Lange's basionym in the combination of Blytt and O.C. Dahl and it is marked as a subspecies in the way these authors customarily did (with an '*'). The plants of the Russian Murman area have been described as subsp. [*subpolaris*] and to be different from subsp. [*borealis*]. The northern European ([*subpolaris*]) plants resemble the Greenland ones ([*borealis*]) in general appearance but Devold and Scholander (1933) compared plants from Greenland and northern Norway and found consistent differences in shape of capsule and size of seeds (with almost no overlap). This old investigation should be followed up on a larger material as it suggests that the northern plants might be different adaptations (from southern stocks) in North America-Greenland and in Europe. Sergienko (1977) stated the name [*P. schrenkii*] to have priority before [*P. borealis*]. He also suggested that [*P. subpolaris*] is closer to subsp. [*maritima*] and assumed it to be a hybrid between [*P. maritima*] s. str. and [*P. schrenkii*]. The western North American plants look different from the Atlantic ones but no morphological or molecular comparison has been undertaken and no subspecific name is readily available. [*Plantago maritima*] is bipolar with a huge gap between the northern and southern parts of its range. [*Plantago juncoides*] [[*P. maritima*] L. subsp. [*juncoides*] (Lam.) Hultén] was described from the Magellan Straits in southernmost South America. This name has often been applied to northern plants (e.g., as [*P. maritima*] subsp. [*juncoides*] or as [*P. juncoides*] var. [*glauca*]). An identity at level of subspecies between the plants in the two polar areas (with subsp. [*maritima*] in between) should be documented before the name subsp. [*juncoides*] is applied in the north. We restrict the name

subsp. [juncoides] to the South American plants.

Synthyris borealis Pennell (GUID: ipni-810223-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Veronica alaskensis M.M. Mart.Ort & Albach** according to **PAF** ; Comments: Cody: Non-arctic. Elven: Close enough to be in the Borderline Arctic in the northern Richardson Mountains in both the Yukon and the Northwest Territories.
- **Veronica alaskensis M.M. Mart.Ort & Albach** according to **ACCS** ; Comments: Panarctic Flora Checklist

Veronica alaskensis M.M.Mart.Ort. & Albach (GUID: ipni-77061875-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Veronica americana Schwein. ex Benth. (GUID: ipni-811603-1). In Alaska according to **ACCS, ALA**. An *accepted name* according to **WCSP, ACCS, ALA**.

Veronica anagallis-aquatica L. (GUID: ipni-811610-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica arvensis L. (GUID: ipni-811649-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica catenata Pennell (GUID: ipni-811792-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Veronica anagallis-aquatica L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Veronica chamaedrys L. (GUID: ipni-811804-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica grandiflora Gaertn. (GUID: ipni-812054-1). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**.

Veronica longifolia L. (GUID: ipni-812239-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica nutans Bong. (GUID: ipni-812393-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Veronica officinalis L. (GUID: ipni-812402-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Veronica peregrina L. (GUID: ipni-812460-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica peregrina subsp. peregrina (GUID: trop-29203660). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Veronica peregrina subsp. xalapensis (Kunth) Pennell (GUID: ipni-264745-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica persica Poir. (GUID: ipni-76139-3). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica scutellata L. (GUID: ipni-812639-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica serpyllifolia L. (GUID: ipni-812650-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica serpyllifolia subsp. humifusa (Dicks.) Syme (GUID: ipni-1186942-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Veronica serpyllifolia subsp. serpyllifolia (GUID: trop-29202494). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Veronica spicata L. (GUID: ipni-812676-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Veronica spicata subsp. spicata L. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Veronica stelleri Pall. ex Link (GUID: trop-29201583). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Veronica wormskjoldii Roem. & Schult. (GUID: ipni-812845-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Veronica wormskjoldii subsp. alterniflora (Fernald) Pennell (GUID: ipni-1070856-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Plumbaginaceae

Armeria maritima (Mill.) Willd. (GUID: ipni-19793-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Armeria maritima subsp. purpurea (W.D.J.Koch) Á.Löve & D.Löve (GUID: kew-2652604). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Armeria scabra Pall. ex Willd.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Armeria maritima subsp. sibirica (Turcz. ex Boiss.) Nyman (GUID: ipni-1135215-2). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **WCSP, ALA, FNA**. A *synonym* of:

- **Armeria scabra Pall. ex Roem. & Schult.** according to **PAF** ; Comments: Tzvelev, Yurtsev, Murray, and Elven: We regard the plants of North America and Greenland and those of Eurasia as belonging to a single species. The name [*Armeria scabra*] has priority before [*A. labradorica*] and [*A. sibirica*]. For a subspecies, subsp. [*sibirica*] has priority before subsp. [*labradorica*] (as [*A. scabra*] subsp. [*labradorica*] (Wallr.) Iversen). For [*'labradorica'*], see Lefèbvre and Vekemans (1995). Hultén (1948) and other authors have reported the Beringian plants from West Chukotka east to the Mackenzie River to differ from [*A. scabra*] s. str. in a few characters: leaves ciliate vs. glabrous, and calyx pilose only on ribs vs. pilose both on and between ribs. The calyx difference is illustrated by Porsild and Cody (1980: 506). These plants have been proposed as [*A. maritima*] subsp. [*arctica*]. [*Armeria scabra*] s. str. is, according to this view, absent between West Chukotka and the Mackenzie. We have surveyed a circumpolar material and do not find the characters reported for subsp. [*arctica*] to be diagnostic for a Beringian taxon. The calyx feature of subsp. [*arctica*] is found in other regions, e.g., in northeastern Canada (Ellesmere Island), northern Siberia (Taimyr), and even in northern Scandinavia. Also ciliate leaves occur here and there outside the range of the proposed subsp. [*arctica*].
- **Armeria scabra Pall. ex Willd.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Armeria scabra Pall. ex Roem. & Schult. (GUID: ipni-30094311-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Armeria scabra Pall. ex Schult. (GUID: kew-2652739). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Armeria maritima subsp. sibirica (Turcz. ex Boiss.) Nyman** according to **WCSP** ; Comments: WCSP

Poaceae

Achnatherum hymenoides (Roem. & Schult.) Barkworth (GUID: ipni-969771-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Oryzopsis hymenoides (Roem. & Schult.) Ricker ex Piper** according to **WCSP** ; Comments: WCSP

Achnatherum richardsonii (Link) Barkworth (GUID: ipni-969782-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Stipa richardsonii Link** according to **WCSP** ; Comments: WCSP

Agropyron cristatum (L.) Gaertn. (GUID: ipni-95255-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA, ALA**.

Agropyron cristatum subsp. pectinatum (M. Bieb.) Tzvelev (GUID: trop-25510697). In Alaska according to **ACCS**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Agropyron cristatum (L.) Gaertn.** according to **WCSP** ; Comments: WCSP

Agropyron desertorum (Fisch. ex Link) Schult. (GUID: trop-25500837). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Agrostis aequivalvis (Trin.) Trin. (GUID: trop-25501685). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Podagrostis aequivalvis (Trin.) Scribn. & Merr.** according to **ACCS** ; Comments: ITIS

Agrostis alaskana Hultén (GUID: ipni-7526-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Agrostis exarata Trin.** according to **WCSP** ; Comments: WCSP

Agrostis capillaris L. (GUID: ipni-96059-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Agrostis clavata Trin. (GUID: ipni-385585-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Agrostis exarata Trin. (GUID: ipni-385720-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Agrostis exarata var. purpurascens Hultén (GUID: ipni-7625-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Agrostis exarata Trin.** according to **WCSP** ; Comments: WCSP
- **Agrostis exarata Trin.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Agrostis geminata Trin. (GUID: ipni-7638-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Agrostis hyemalis (Walter) Britton, Sterns & Poggenb.** according to **WCSP** ; Comments: WCSP
- **Agrostis scabra Willd.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Agrostis gigantea Roth (GUID: ipni-96349-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Agrostis humilis Vasey (GUID: ipni-7653-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Podagrostis humilis (Vasey) Björkman** according to **ACCS** ; Comments: Flora of North America

Agrostis idahoensis Nash (GUID: ipni-7666-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Agrostis kudoii Honda (GUID: ipni-385897-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Agrostis trinii Turcz.** according to **ALA** ; Comments: tentative, for Alaskan specimens; ALA Taxon List; ALA Taxon List
- **Agrostis vinealis Schreb.** according to **WCSP** ; Comments: WCSP

Agrostis mertensii Trin. (GUID: ipni-7697-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Agrostis scabra Willd. (GUID: ipni-96897-3). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Agrostis stolonifera L. (GUID: ipni-97033-3). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Agrostis stolonifera subsp. stolonifera (GUID: trop-50113756). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Agrostis tenuis Sibth. (GUID: ipni-386415-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Agrostis capillaris L.** according to **WCSP** ; Comments: WCSP
- **Agrostis capillaris L.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Agrostis capillaris L.** according to **FNA** ; Comments: FNA

Agrostis thurberiana Hitchc. (GUID: ipni-7812-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Podagrostis humilis (Vasey) Björkman** according to **ACCS** ; Comments: Flora of North America

Agrostis vinealis Schreb. (GUID: ipni-386503-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Agrostis vinealis subsp. vinealis Schreb. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Aira caryophyllea L. (GUID: ipni-97670-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Aira caryophyllea var. caryophyllea (GUID: trop-25555993). In Alaska according to **FNA, ACCS**. An *accepted name* according to **FNA, ACCS**.

Alopecurus aequalis Sobol. (GUID: ipni-387005-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Alopecurus aequalis var. aequalis (GUID: trop-25517574). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Alopecurus alpinus subsp. glaucus (Less.) Hultén (GUID: ipni-9560-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Alopecurus glaucus Less.** according to PAF ; Comments: Elven and Murray: Tzvelev (PAF proposal and comment) recognized the northern [*Alopecurus roshevitzianus*] apart from the more southern [*A. glaucus*] s. str. Pending further investigations, we enter the more widely circumscribed species. [*Alopecurus glaucus*] (including [*A. roshevitzianus*]) differs in several characters from [*A. borealis*] and is without transitions towards it in the material we have inspected (northwestern North America, ALA). We accept it as species. On the American side, this species is mainly interior and alpine, and only one arctic occurrence is yet documented at Cape Prince of Wales (COLO, CAN-472963) on the Seward Peninsula, western Alaska.
- **Alopecurus magellanicus Lam.** according to WCSP ; Comments: WCSP
- **Alopecurus glaucus Less.** according to ACCS ; Comments: Panarctic Flora Checklist

Alopecurus alpinus subsp. stejneri (Vasey) Hultén (GUID: ipni-9565-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Alopecurus stejneri Vasey** according to PAF ; Comments: Elven and Murray: [*Alopecurus stejneri*] is a morphologically distinct North Pacific plant that occurs in coastal regions but almost entirely within the range of [*A. borealis*], with few observed intermediates. We consider it a well characterized species present along the Bering Sea coasts and mountains north to the Chukchi and Seward peninsulas. Two isolated occurrences are documented in the interior mountains, surrounded by [*A. borealis*], in the Borderline Arctic in the southern Brooks Range in northern Alaska (the Wiseman area, ALA) and in the non-arctic Alaska Range (Dry Creek, CAN).
- **Alopecurus magellanicus Lam.** according to WCSP ; Comments: WCSP
- **Alopecurus stejneri Vasey** according to ACCS ; Comments: Panarctic Flora Checklist

Alopecurus arundinaceus Poir. (GUID: ipni-387025-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Alopecurus borealis Trin. (GUID: ipni-387035-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Alopecurus alpinus Sm.** according to ALA ; Comments: Hultén 1968; Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.
- **Alopecurus magellanicus Lam.** according to WCSP ; Comments: WCSP

Alopecurus geniculatus L. (GUID: ipni-9585-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Alopecurus glaucus Less. (GUID: ipni-9594-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Alopecurus magellanicus Lam.** according to WCSP ; Comments: WCSP

Alopecurus magellanicus Lam. (GUID: ipni-387134-1). In Alaska according to FNA. An *accepted name* according to WCSP, FNA.

Alopecurus pratensis L. (GUID: ipni-387176-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Alopecurus pratensis subsp. pratensis (GUID: trop-25510721). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Alopecurus stejneri Vasey (GUID: ipni-9605-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Alopecurus magellanicus Lam.** according to **WCSP** ; Comments: WCSP

Anthoxanthum monticola (Bigelow) Veldkamp (GUID: ipni-914833-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Hierochloe alpina (Sw.) Roem. & Schult.** according to **WCSP** ; Comments: WCSP

Anthoxanthum odoratum L. (GUID: ipni-389034-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Arctagrostis arundinacea (Trin.) Beal (GUID: ipni-389167-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Arctagrostis latifolia (R. Br.) Griseb. (GUID: trop-25507115). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA, ALA, WCSP**.

Arctagrostis latifolia var. angustifolia (Nash) Hultén (GUID: ipni-17689-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Arctagrostis arundinacea (Trin.) Beal** according to **WCSP** ; Comments: WCSP
- **Arctagrostis arundinacea (Trin.) Beal** according to **ACCS** ; Comments: Panarctic Flora Checklist

Arctagrostis poaeoides Nash (GUID: trop-25507124). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Arctagrostis arundinacea (Trin.) Beal** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Arctagrostis arundinacea (Trin.) Beal** according to **PAF** ; Comments: Aiken: Aiken et al. (1994) investigated the possibility of recognizing taxa within what they regarded as [*Arctagrostis latifolia*] subsp. [*arundinacea*] and found no reason for accepting any of the approximately eight taxa that have been named, mainly by Nash. There are very good reasons for reducing all the Nash taxa to synonymy (Aiken and Lefkovitch 1990; Aiken et al. 1994; Aiken 1999). As to [*A. angustifolia*], this is one of three species [besides [*A. macrophylla*] and [*A. 'poooides'*]] described in the genus by Nash. Aiken et al. (1994) considered this to be merely part of the phenotypic plasticity that can be expressed in [*A. latifolia*] subsp. [*arundinacea*], and they found no reason to recognize the taxon at any rank. Elven: We assume that also the numerous species described from Asia belongs within [*A. arundinacea*]: [*A. anadyrensis*] V.N. Vassil., [*A. aristulata*] Petrov, [*A. caespitans*] V.N. Vassil., [*A. calamagrostidiformis*] V.N. Vassil., [*A. festucacea*] Petrov, [*A. glauca*] Petrov, [*A. parviflora*] Petrov, [*A. stricta*] Petrov, [*A. tenuis*] V.N. Vassil., [*A. tilesii*] Petrov, and [*A. viridula*] Petrov.
- **Arctagrostis arundinacea (Trin.) Beal** according to **WCSP** ; Comments: WCSP

Arctophila fulva (Trin.) Andersson (GUID: ipni-30049942-2). In Alaska according to **PAF, FNA**. An *accepted name* according to **ALA, PAF, WCSP, FNA**.

Arctophila fulva (Trin.) Rupr. ex Andersson (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Arctopoa eminens (C.Presl) Prob. (GUID: ipni-17728-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**. A *synonym* of:

- **Poa eminens J.Presl** according to **WCSP** ; Comments: WCSP

Arctopoa eminens (J.Presl) Prob. (GUID: ipni-1050969-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Arrhenatherum elatius (L.) P.Beauv. ex J.Presl & C.Presl (GUID: ipni-389923-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.

Arrhenatherum elatius var. elatius (L.) P. Beauv. ex J. Presl & C. Presl (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Avena byzantina K.Koch (GUID: ipni-164746-3). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Avena sativa L.** according to ACCS ; Comments: ITIS

Avena fatua L. (GUID: ipni-391443-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Avena sativa L. (GUID: ipni-391732-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Beckmannia eruciformis (L.) Host (GUID: trop-25509334). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Beckmannia syzigachne (Steud.) Fernald** according to ALA ; Comments: Cody 1996; Cody 1996; Cody, W. J. 1996. Flora of the Yukon Territory. NRC Research Press, Ottawa. 643 pp.
- **Beckmannia syzigachne (Steud.) Fernald** according to ACCS ; Comments: Panarctic Flora Checklist

Beckmannia eruciformis subsp. borealis Tzvelev (GUID: ipni-881570-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Beckmannia eruciformis (L.) Host** according to WCSP ; Comments: WCSP
- **Beckmannia syzigachne (Steud.) Fernald** according to ACCS ; Comments: Panarctic Flora Checklist

Beckmannia syzigachne (Steud.) Fernald (GUID: ipni-1000664-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Bromopsis ciliata (L.) Holub (GUID: ipni-393416-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Bromus ciliatus L.** according to WCSP ; Comments: WCSP

Bromopsis inermis (Leyss.) Holub (GUID: ipni-393432-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Bromus inermis Leyss.** according to WCSP ; Comments: WCSP

Bromopsis pacifica (Shear) Holub (GUID: ipni-393452-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Bromus pacificus Shear** according to WCSP ; Comments: WCSP
- **Bromus pacificus Shear** according to ACCS ; Comments: ITIS

Bromopsis pumpelliana (Scribn.) Holub (GUID: ipni-393462-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Bromus pumpellianus Scribn.** according to WCSP ; Comments: WCSP
- **Bromopsis pumpelliana subsp. pumpelliana (Scribn.) Holub** according to ACCS ; Comments: Panarctic Flora Checklist

Bromopsis pumpelliana subsp. arctica (Shear ex Scribn. & Merr.) Á. Löve & D. Löve (GUID: trop-25516055). In Alaska according to ACCS. An *accepted name* according to ACCS.

Bromopsis pumpelliana subsp. arctica (Shear) Á.Löve & D.Löve (GUID: ipni-881612-1). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Bromopsis pumpelliana subsp. dicksonii (W.W. Mitch. & Wilton) (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Bromopsis pumpelliana subsp. pumpelliana (GUID: trop-25510797). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Bromopsis pumpelliana subsp. pumpelliana (Scribn.) Holub (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Bromopsis richardsonii (Link) Holub (GUID: ipni-393464-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Bromus richardsonii Link** according to WCSP ; Comments: WCSP
- **Bromopsis ciliata (L.) Holub** according to ACCS ; Comments: Panarctic Flora Checklist

Bromus aleutensis Trin. ex Griseb. (GUID: trop-25530701). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA. A *synonym* of:

- **Bromus sitchensis var. aleutensis (Trin. ex Griseb.) Hultén** according to WCSP ; Comments: WCSP

Bromus briziformis Fisch. & C.A.Mey. (GUID: ipni-393580-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ALA, ACCS, FNA.

Bromus carinatus Hook. & Arn. (GUID: ipni-393603-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Bromus ciliatus L. (GUID: ipni-74626-3). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Bromopsis ciliata (L.) Holub** according to ALA ; Comments: ALA Taxon List; ALA Taxon List
- **Bromopsis ciliata (L.) Holub** according to PAF ; Comments: [Bromopsis ciliata] reaches the Arctic along a part of Noatak River in northwestern Alaska (ALA, O; found 2003) and the Borderline Arctic at Winisk River (ca. 55N) on the southern side of Hudson Bay in Ontario (Scoggan 1978b; Porsild and Cody 1980; Pavlick and Anderton 2007). Scoggan (1978b) referred the Hudson Bay and other northern finds to [Bromus canadensis], as different from [B. ciliatus]. Soreng et al. (2003) and Pavlick and Anderton (2007) synonymized [Bromus canadensis] with [B. ciliatus].
- **Bromopsis ciliata (L.) Holub** according to ACCS ; Comments: Panarctic Flora Checklist

Bromus commutatus Schrad. (GUID: ipni-74673-3). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Bromus racemosus L.** according to ACCS ; Comments: ITIS

Bromus hordeaceus L. (GUID: ipni-74778-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Bromus hordeaceus subsp. hordeaceus L. (GUID: ipni-74803-3). In Alaska according to ACCS. An *accepted name* according to ACCS.

Bromus inermis Leyss. (GUID: ipni-74816-3). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Bromopsis inermis (Leyss.) Holub** according to PAF ; Comments: Tzvelev (PAF proposal) reported [Bromopsis inermis] to reach the Arctic as native in European Russia and Siberia, Sekretareva (1999) considered it adventive. We follow Sekretareva.
- **Bromopsis inermis (Leyss.) Holub** according to ACCS ; Comments: Panarctic Flora Checklist

Bromus marginatus Nees ex Steud. (GUID: trop-25516284). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS, ALA.

Bromus pacificus Shear (GUID: ipni-393948-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA. A *synonym* of:

- **Bromopsis pacifica (Shear) Holub** according to ALA ; Comments: ALA Taxon List; ALA Taxon List

Bromus pumpellianus Scribn. (GUID: ipni-394043-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Bromopsis pumpelliana (Scribn.) Holub** according to PAF ; Comments: Elven and Murray: [Bromopsis pumpelliana] s. lat. is polymorphic and known with several polyploid chromosome numbers (4x-12x). Various Russian authors have accepted a series of several species or races, in an arctic and northern context: ['arctica'], ['ircutensis'] (see Excluded taxa), ['ornans'], ['pumpelliana'] s. str., ['sibirica'], ['taimyrensis'], and ['vogulica']. Tzvelev (1964d) treated the majority of these as species, followed by Peschkova (1990c) with some additions and modifications. Tzvelev (PAF proposal) rather accepted them as subspecies. At least two additional taxa are named from the North American side: subsp. [dicksonii] and var. [villosissima]. The former was accepted by Soreng et al. (2003) and Pavlick and Anderton (2007), the latter synonymized with what Soreng et al. (2003) treated as [Bromus pumpellianus] var. [arcticus]. The proposed species or races are largely allopatric or parapatric but co-occurrences are fairly common in many regions, e.g., four taxa in Chukotka and three in Alaska. See also Mitchell (1967). There is a geographically structured morphological variation in this widespread species but the numerous named taxa should be experimentally investigated before they are fully accepted as races or species. There may be a complicated reticulate pattern of auto-allopolyploids. The diagnostic characters of Tzvelev (1964d) are in degree and type of pubescence on different parts of the plant and other quantitative characters. Löve and Löve (1975a, 1976a) and some other North American authors (e.g., Pavlick and Anderton 2007) have tried to distinguish the hexaploids as [B. pumpelliana] and the tetraploids as [B. dicksonii], and Löve and Löve (1975a) transferred all tetraploid counts to the latter, including counts reported by Tzvelev for [B. pumpelliana] subsp. [pumpelliana] and subsp. [arctica] and from far outside the accepted range of [B. dicksonii]. The proposed taxa of the [B. pumpelliana] group are entered provisionally as races (except that var. [villosissima] is synonymized with subsp. [arctica]). For chromosome numbers assigned to each race, see above.
- **Bromopsis pumpelliana subsp. pumpelliana (Scribn.) Holub** according to ACCS ; Comments: Panarctic Flora Checklist

Bromus racemosus L. (GUID: ipni-75095-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Bromus richardsonii Link (GUID: ipni-394061-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Bromopsis richardsonii (Link) Holub** according to ALA ; Comments: ALA Taxon List; ALA Taxon List
- **Bromopsis ciliata (L.) Holub** according to ACCS ; Comments: Panarctic Flora Checklist

Bromus secalinus L. (GUID: ipni-75172-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Bromus sitchensis Trin. (GUID: trop-25516154). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Bromus sitchensis var. aleutensis (Trin. ex Griseb.) Hultén (GUID: ipni-37167-2). In Alaska

according to **ACCS**. An *accepted name* according to **WCSP, ALA**. A *synonym* of:

- **Bromus aleutensis Trin. ex Griseb.** according to **ACCS** ; Comments: ITIS

Bromus tectorum L. (GUID: ipni-75256-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Calamagrostis arctica Vasey (GUID: ipni-40377-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Calamagrostis purpurascens subsp. arctica (Vasey) Hultén** according to **ALA** ; Comments: Hulten 1968; Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.
- **Calamagrostis purpurascens R.Br.** according to **WCSP** ; Comments: WCSP

Calamagrostis canadensis (Michx.) P.Beauv. (GUID: ipni-394363-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Calamagrostis canadensis subsp. canadensis (GUID: trop-25516755). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**.

Calamagrostis canadensis subsp. langsdorffii (Link) Hultén (GUID: ipni-1186196-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF**. A *synonym* of:

- **Calamagrostis purpurea (Trin.) Trin.** according to **WCSP** ; Comments: WCSP
- **Calamagrostis canadensis var. langsdorffii (Link) Inman** according to **ACCS** ; Comments: Panarctic Flora Checklist

Calamagrostis canadensis var. canadensis (GUID: trop-25516737). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Calamagrostis canadensis var. canadensis (Michx.) P. Beauv. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Calamagrostis canadensis var. langsdorffii (Link) Inman (GUID: ipni-40405-2). In Alaska according to **ACCS, FNA, ACCS**. An *accepted name* according to **ACCS, FNA**. A *synonym* of:

- **Calamagrostis canadensis subsp. langsdorffii (Link) Hultén** according to **PAF** ; Comments:
- **Calamagrostis purpurea (Trin.) Trin.** according to **WCSP** ; Comments: WCSP
- **Calamagrostis canadensis var. langsdorffii (Link) Inman** according to **ACCS** ; Comments: Panarctic Flora Checklist

Calamagrostis deschampsoides Trin. (GUID: ipni-394417-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Calamagrostis holmii Lange (GUID: ipni-394520-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, WCSP, ACCS**. A *synonym* of:

- **Calamagrostis stricta subsp. groenlandica (Schrank) A.Love** according to **ALA** ; Comments: ALA; ALA Taxon List; ALA Taxon List

Calamagrostis inexpansa A.Gray (GUID: ipni-995882-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **WCSP, PAF, ACCS**. A *synonym* of:

- **Calamagrostis stricta subsp. inexpansa (Gray) C.W.Greene** according to **ALA** ; Comments: Greene; Greene annos; Greene, C. W., annotations at ALA.

Calamagrostis lapponica (Wahlenb.) Hartm. (GUID: ipni-40477-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA, ALA**.

Calamagrostis lapponica subsp. lapponica (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Calamagrostis lapponica subsp. sibirica (Petrov) Tzvelev (GUID: kew-402936). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Calamagrostis lapponica (Wahlenb.) Hartm.** according to WCSP ; Comments: WCSP

Calamagrostis neglecta subsp. groenlandica (Schrank) Matuszk. (GUID: ipni-40523-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Calamagrostis stricta (Timm) Koeler** according to WCSP ; Comments: WCSP

Calamagrostis neglecta subsp. neglecta (GUID: trop-50224035). In Alaska according to PAF. An *accepted name* according to PAF.

Calamagrostis neglecta subsp. neglecta (Ehrh.) P. Gaertn., B. Mey. & Scherb. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Calamagrostis nutkaensis (J. Presl) J. Presl ex Steud. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Calamagrostis nutkaensis (J.Presl) Steud. (GUID: ipni-394684-1). In Alaska according to FNA. An *accepted name* according to WCSP, ALA, FNA.

Calamagrostis purpurascens R.Br. (GUID: ipni-40564-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Calamagrostis purpurascens subsp. arctica (Vasey) Hultén (GUID: ipni-40565-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Calamagrostis arctica Vasey** according to PAF ; Comments: Elven, Murray, Tzvelev, and Yurtsev: The otherwise Chukotkan [*Calamagrostis arctica*] is now documented from four localities on the Seward Peninsula in western Alaska (ALA) and has probably been overlooked. As the octoploid chromosome number is based on only one count, it is uncertain what ploidy levels are found in [*C. arctica*]. We have observed only aborting anthers in the material and assume [*C. arctica*] to be agamospermous and probably constantly more high-ploid than tetraploid. Tzvelev and Yurtsev both argued for [*C. arctica*] as a recognizable species and Yurtsev summarized the differences. Morphologically, it is more similar to [*C. sesquiflora*] and differs from [*C. purpurascens*] in leaves broader and scabrous (not short-pubescent) above, glumes subulate and red, and lemmas (in [*C. arctica*] as well as in [*C. sesquiflora*]) with long, almost subulate teeth, whereas in [*C. purpurascens*] the teeth are weakly expressed. In addition, [*C. arctica*] is suboceanic and occurs on acidic substrates, whereas [*C. purpurascens*] is continental and occurs mainly on calcareous substrates. They both occur in the same regions, e.g., on the Chukchi and Seward peninsulas, but never together due to the edaphic preferences. Murray and Elven studied material (ALA) from Alaska and Chukotka and concluded that [*C. arctica*] disjunctly differs from [*C. purpurascens*] in at least three characters: leaf upper surface setose vs. soft-pubescent, glumes long pointed and acuminate vs. evenly tapering and acute, and glumes dark purple vs. pale pink or lilac. Two of these characters are intermediate between [*C. purpurascens*] and [*C. sesquiflora*], and [*C. arctica*] also partly takes an intermediate position geographically. It may be interpreted as a high-ploid agamospermous derivative of a hybrid between tetraploid [*C. sesquiflora*] and tetraploid [*C. purpurascens*]. Yurtsev commented that the origin of [*C. arctica*] from [*C. sesquiflora*] cannot be excluded but that the second parent (in case of allopolyploidy) may by no means be [*C. purpurascens*]. Neither of us accept the inclusion of [*C. arctica*] in [*C. sesquiflora*] as done by Soreng and Greene in Soreng et al. (2003) and Marr et al. (2007). We find [*C. arctica*] consistently different from both [*C. sesquiflora*] and [*C. purpurascens*] in several characters and without any signs of transitions

among these three. We accept [*C. arctica*] as species inasmuch as it occurs entirely within the range of [*C. purpurascens*] and keeps constantly distinct.

- ***Calamagrostis purpurascens* R.Br.** according to **WCSP** ; Comments: WCSP
- ***Calamagrostis sesquiflora* (Trin.) Tzvelev** according to **ACCS** ; Comments: Panarctic Flora Checklist

Calamagrostis purpurascens* subsp. *purpurascens (GUID: trop-25516757). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

***Calamagrostis sesquiflora* (Trin.) Tzvelev** (GUID: ipni-394826-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

***Calamagrostis stricta* (Timm) Koeler** (GUID: ipni-30241135-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, FNA**. A *synonym* of:

- ***Calamagrostis neglecta* subsp. *neglecta*** according to **PAF** ; Comments: Tzvelev (1965, 1976) considered [*Calamagrostis stricta*] different from [*C. neglecta*] at the subspecific level, distinguished by glume length 3.5-4.2 mm and relatively long-pointed vs. 2.5-3.5 mm and short-pointed. He also accepted a [*C. neglecta*] subsp. [*micrantha*] (Kearney) Tzvelev ([*C. micrantha*] Kearney) from northeastern Siberia, the Russian Far East, and western North America, distinguished from the two others by spikelets 2-2.5 mm vs. >2.5 mm. Comparing northwestern North American plants with European plants (irrespective of name choice, [*C. neglecta*] or [*C. stricta*]), we find the American plants to have distinctly shorter and less pointed glumes, and thereby smaller spikelets, than European plants. Something for someone to study in the future. In the northern European material are found both plants with long-pointed and short-pointed glumes, and this difference does not seem to be connected to that between subsp. [*neglecta*] and subsp. [*groenlandica*] (the latter always with long-pointed glumes). The range of subsp. [*neglecta*] is not clear, especially not in North America (outside Alaska and the Yukon Territory) and Greenland, due to insufficient separation from subsp. [*groenlandica*]. Only subsp. [*groenlandica*] has been reported from Iceland and observed in Icelandic material (O) but the sample studied should be extended. Internal note: Collections in 2010 should be checked for affinity of Icelandic material.
- ***Calamagrostis neglecta* (Ehrh.) G. Gaertn., B. Mey. & Scherb.** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Calamagrostis stricta* subsp. *groenlandica* (Schrank) Á.Löve** (GUID: ipni-40605-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- ***Calamagrostis neglecta* subsp. *groenlandica* (Schrank) Matuszk.** according to **PAF** ; Comments: Greene (1980) stated that [*Arundo groenlandica*] was described and with type from Labrador, not from Greenland. The range of subsp. [*groenlandica*] is incompletely known, especially in eastern North America, due to insufficient separation from subsp. [*neglecta*]. The synonymy between [*groenlandica*] (Labrador type) and [*borealis*] (northern Swedish description) is not confirmed. Both Lange (1880) and Jørgensen et al. (1958) considered them different.
- ***Calamagrostis neglecta* subsp. *groenlandica* (Schrank) Matuszk.** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Calamagrostis stricta* subsp. *inexpansa* (A.Gray) C.W.Greene** (GUID: ipni-1178863-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- ***Calamagrostis inexpansa* A.Gray** according to **WCSP** ; Comments: WCSP
- ***Calamagrostis inexpansa* A. Gray** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Calamagrostis tenuis* V.N.Vassil.** (GUID: ipni-394878-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Calamagrostis angustifolia Kom.** according to **WCSP** ; Comments: **WCSP**
- Catabrosa aquatica (L.) P. Beauv.** (GUID: trop-25509431). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA, ALA, WCSP**.
- Cinna latifolia (Trevir. ex Göpp.) Griseb.** (GUID: ipni-30361556-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.
- Cinna latifolia Griseb.** (GUID: ipni-396371-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.
- Colpodium vahlium (Liebm.) Nevski** (GUID: ipni-396620-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:
- **Puccinellia vahliana (Liebm.) Scribn. & Merr.** according to **PAF** ; Comments: The main range of [*Puccinellia vahliana*] is in the non-Beringian regions. It is confirmed from northern Alaska eastwards across Canada, Greenland, Svalbard, and Franz Joseph Land, to Novaya Zemlya. Records from other areas and from non-arctic localities (e.g., the southern Yukon Territory: Cody 1996; Davis and Consaul 2007) should be re-checked. It is also reported from a few, very scattered localities in northern Siberia. In view of the polymorphy within its known range, these and records of related local Russian species should be critically compared with a larger material of [*P. vahliana*].
 - **Puccinellia vahliana (Liebm.) Scribn. & Merr.** according to **WCSP** ; Comments: **WCSP**
 - **Puccinellia vahliana (Liebm.) Scribn. & Merr.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- Colpodium wrightii Scribn. & Merr.** (GUID: ipni-63416-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:
- **Puccinellia wrightii (Scribn. & Merr.) Tzvelev** according to **WCSP** ; Comments: **WCSP**
 - **Puccinellia wrightii (Scribn. & Merr.) Tzvelev** according to **ACCS** ; Comments: Panarctic Flora Checklist
- Dactylis glomerata L.** (GUID: ipni-93686-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.
- Danthonia compressa Austin** (GUID: ipni-76620-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA**.
- Danthonia intermedia Vasey** (GUID: ipni-397597-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.
- Danthonia spicata (L.) P.Beauv. ex Roem. & Schult.** (GUID: ipni-1167024-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.
- Danthonia spicata var. pinetorum Piper** (GUID: ipni-76661-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:
- **Danthonia spicata (L.) Roem. & Schult.** according to **WCSP** ; Comments: **WCSP**
 - **Danthonia spicata (L.) P. Beauv. ex Roem. & Schult.** according to **ACCS** ; Comments: **ITIS**
- Deschampsia anadyrensis V.N.Vassil.** (GUID: ipni-397927-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:
- **Deschampsia cespitosa (L.) P.Beauv.** according to **WCSP** ; Comments: **WCSP**
- Deschampsia atropurpurea (Wahlenb.) Scheele** (GUID: trop-25516159). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:
- **Vahlodea latifolia (Hook.) Hultén** according to **ACCS** ; Comments: Panarctic Flora Checklist

Deschampsia beringensis Hultén (GUID: ipni-78059-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Deschampsia cespitosa (L.) P.Beauv.** according to WCSP ; Comments: WCSP

Deschampsia brevifolia R.Br. (GUID: ipni-397952-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Deschampsia cespitosa (L.) P.Beauv.** according to WCSP ; Comments: WCSP

Deschampsia cespitosa (L.) P.Beauv. (GUID: ipni-397953-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA. A *synonym* of:

- **Deschampsia cespitosa (L.) P.Beauv.** according to WCSP ; Comments: WCSP

Deschampsia cespitosa subsp. orientalis Hultén (GUID: ipni-60433033-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Deschampsia sukatschewii subsp. orientalis (Hultén) Tzvelev** according to PAF ; Comments: As circumscribed here, subsp. [orientalis] includes a majority of the lowland plants in Chukotka, around the Bering Strait, and along the coasts of northern Alaska and at least northwestern Canada. Moreover, there is a report under this name of a diploid chromosome number from Churchill on Hudson Bay, Manitoba (Löve and Löve 1981a). Barkworth's (2007b) merger of subsp. [orientalis] and subsp. [borealis] may be justified, in which case the name subsp. [orientalis] has priority based on Hultén (1927).
- **Deschampsia cespitosa (L.) P.Beauv.** according to WCSP ; Comments: WCSP
- **Deschampsia sukatschewii subsp. orientalis (Popl.) Roshev.** according to ACCS ; Comments: Panarctic Flora Checklist

Deschampsia cespitosa var. glauca (Hartm.) Sam. (GUID: trop-25516759). In Alaska according to ALA. An *accepted name* according to ALA.

Deschampsia danthonioides (Trin.) Munro (GUID: trop-25516160). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Deschampsia elongata (Hook.) Munro (GUID: trop-25516161). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Deschampsia flexuosa (L.) Trin. (GUID: ipni-133106-3). In Alaska according to FNA. An *accepted name* according to ALA, WCSP, FNA.

Deschampsia mackenzieana Raup (GUID: ipni-78108-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Deschampsia cespitosa (L.) P.Beauv.** according to WCSP ; Comments: WCSP
- **Deschampsia cespitosa (L.) P. Beauv.** according to ACCS ; Comments: Panarctic Flora Checklist

Deschampsia paramushirensis Honda (GUID: ipni-398039-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Deschampsia sukatschewii subsp. borealis (Trautv.) Tzvelev** according to PAF ; Comments: Aiken: This taxon has been recognized in Canada recently as [Deschampsia paramushirensis] Honda. Previously it has generally been known in Canada as [D. pumila] (Porsild 1957; Bowden 1960b; Hultén 1968a, 1968b). Tzvelev (1976) recognized that [D. pumila] (Griseb.) Ostenf. is a later homonym of [D. pumila] (Steven ex Westb.) Fomin & Woronow, referable to a species of [Catabrosa]. He recognized the taxon at the subspecific level as [D. cespitosa] subsp. [paramushirensis] and distinguished it from [D. cespitosa] subsp. [borealis]. Hultén (1968b) placed the name [D. borealis] (Trautv.) Roshev. into synonymy under [D. pumila]. Tzvelev (PAF

proposal) synonymized [*'paramushirensis'*] and [*'borealis'*]. McLachlan et al. (1989: Table 2) compared characters from Canadian and Eurasian specimens in the genus [*Deschampsia*]. Elven: Circumscribed as above, this subspecies is a high-arctic and nearly circumpolar plant of tundra fens and wet gravel flats, mostly on basic substrates, with leaves narrow to nearly filiform, panicle open and pale, spikelets small, and awn distinctly exerted. It has variously been named in Greenland and North America as [*D. pumila*] or [*D. paramushirensis*], in Svalbard by, e.g., Rønning (1964, 1979) erroneously as [*D. brevifolia*], and in Russia as [*D. borealis*]. One problem is whether the Japanese (*'paramushirensis'*) and the Kamtchatkan plants (*'pumila'*, *'minor'*) belong to the same taxon as the ones of the High Arctic. I suspect not. Another problem on the North American side is whether this also is the coastal plant in the southern arctic parts, or if subsp. [*orientalis*] extends eastwards as suggested by Hultén (1968a) and Tzvelev (PAF proposal). My not very well founded opinion is that this coastal plant, and also a plant in mainland mountains, might correspond to [*'paramushirensis'*] (and [*'orientalis'*]) and might differ enough from the 'moss cushion' plant in the High Arctic, here named as [*'borealis'*], so as to merit racial recognition. Jørgensen et al. (1958) concluded that eastern Greenland plants with $2n = ca. 26$ and western Greenland ones with $2n = ca. 39$ were morphologically similar. All have mostly aborted pollen. Agamospermy has not been much discussed in connection with [*Deschampsia*]. It should be noted that species of [*Deschampsia*] have no means of long-range vegetative growth. Where they form extensive populations, as these arctic [*Deschampsias*] mostly do, some means of seed (or bulbil) propagation must be assumed.

- ***Deschampsia cespitosa* (L.) P.Beauv.** according to **WCSP** ; Comments: WCSP
- ***Vahlodea latifolia* subsp. *paramushirensis* (Kudô) Elven** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Deschampsia pumila* Ostenf.** (GUID: ipni-398046-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- ***Deschampsia cespitosa* (L.) P. Beauv.** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Deschampsia sukatschewii* (Popl.) Roshev.** (GUID: trop-25510923). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:

- ***Deschampsia cespitosa* (L.) P.Beauv.** according to **WCSP** ; Comments: WCSP

***Deschampsia sukatschewii* subsp. *borealis* (Trautv.) Tzvelev** (GUID: ipni-1014494-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- ***Deschampsia cespitosa* (L.) P.Beauv.** according to **WCSP** ; Comments: WCSP

***Deschampsia sukatschewii* subsp. *orientalis* (Hultén) Tzvelev** (GUID: ipni-60443274-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**. A *synonym* of:

- ***Deschampsia cespitosa* (L.) P.Beauv.** according to **WCSP** ; Comments: WCSP

***Deschampsia sukatschewii* subsp. *orientalis* (Popl.) Roshev.** (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

***Dupoa* × *labradorica* (Steud.) J.Cay. & Darbysh.** (GUID: ipni-997024-1). In Alaska according to **FNA**. An *accepted name* according to **ALA, WCSP, FNA**. A *synonym* of:

- × ***Duarctopoa labradorica* (Steud.) Soreng & L.J. Gillespie** according to **PAF** ; Comments: Elven and Solstad: X [*Duarctopoa labradorica*] has for a long time been known from northeastern Canada. Several new localities were found in western Alaska in 2001 and 2003 (ALA, O). This hybrid species has been analysed very thoroughly (Darbyshire et al. 1992; Darbyshire and Cayouette 1992; Cayouette and Darbyshire 1993, 2007a; Gillespie et al. 2008)

and is shown to have the proposed origin. It is obviously polyphyletic in the polytopic meaning, but as it spreads independently of its parents and has a distinct range (Labrador, James Bay-eastern Hudson Bay, western Alaska), it is acceptable for inclusion as species in the Checklist. Some Alaskan plants have well-developed anthers and pollen but seed-set has not been investigated. The [Dupontia] partner in the eastern Canadian subarea seems to be the tetraploid ['psilosantha'] morph, as indicated also by the chromosome number. In the Alaskan subarea, it co-occurs with the dodecaploid morph, the chromosome number is not known, and the suggested anther fertility may suggest a different evolutionary pathway. Darbyshire and Cayouette (1992) showed that the previous publication of this hybrid genus and species as X [Dupontopoa dezhnevii] Prob. (in Probatova and Yurtzev 1984) must be rejected because the type sheet contains elements of three different grasses, none of them the hybrid: [Arctophila fulva], [Leymus mollis] subsp. [villosissimus], and [Arctopoa eminens]. The name X [Dupontopoa dezhnevii] was typified on the [Arctopoa] shoots and the name is then a synonym of [Arctopoa eminens].

Dupontia fisheri R.Br. (GUID: ipni-399606-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Dupontia fisheri subsp. fisheri (GUID: trop-25516772). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dupontia fisheri R. Br.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dupontia fisheri subsp. psilosantha (Rupr.) Hultén (GUID: ipni-86053-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dupontia fisheri taxon tetraploid_morph_psilosantha** according to **PAF** ; Comments: In northwestern Europe, [Dupontia fisheri] morph ['psilosantha'] is found in Spitsbergen and Bear Island.
- **Dupontia fisheri R.Br.** according to **WCSP** ; Comments: WCSP
- **Dupontia fisheri R. Br.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dupontia fisheri taxon dodecaploid_morph (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Dupontia fisheri taxon octoploid_morph_fisheri (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Dupontia fisheri taxon tetraploid_morph_psilosantha (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Echinochloa crus-galli (L.) P.Beauv. (GUID: ipni-1134310-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Elymus alaskanus (Scribn. & Merr.) Á.Löve (GUID: ipni-90166-2). In Alaska according to **FNA, ACCS**. An *accepted name* according to **FNA, ALA, ACCS**. A *synonym* of:

- **Elymus macrourus (Turcz.) Tzvelev** according to **WCSP** ; Comments: WCSP

Elymus alaskanus subsp. alaskanus (GUID: trop-25510957). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**.

Elymus alaskanus subsp. alaskanus (Scribn. & Merr.) Á. Löve (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Elymus alaskanus subsp. borealis (Turcz.) Á.Löve & D.Löve (GUID: ipni-1036756-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Elymus macrourus (Turcz.) Tzvelev** according to **WCSP** ; Comments: WCSP

Elymus alaskanus subsp. hyperarcticus (Polunin) Á. Löve & D. Löve s. lat. (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Elymus alaskanus subsp. hyperarcticus (Polunin) Á.Löve & D.Löve (GUID: ipni-881968-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Elymus sajanensis (Nevski) Tzvelev** according to WCSP ; Comments: WCSP
- **Elymus alaskanus subsp. borealis (Turcz.) Á. Löve & D. Löve** according to ACCS ; Comments: Panarctic Flora Checklist

Elymus alaskanus subsp. latiglumis (Scribn. & J.G.Sm.) Á.Löve (GUID: ipni-881970-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Elymus trachycaulus (Link) Gould ex Shinnars** according to WCSP ; Comments: WCSP
- **Elymus violaceus (Hornem.) Feilberg** according to ACCS ; Comments: Panarctic Flora Checklist

Elymus calderi Barkworth (GUID: ipni-995347-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Elymus lanceolatus subsp. psammophilus (J.M. Gillett & H. Senn) Á. Löve** according to ACCS ; Comments: ITIS

Elymus glaucus Buckley (GUID: ipni-90251-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Elymus glaucus subsp. glaucus Buckley (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Elymus glaucus subsp. virescens (Piper) Gould (GUID: ipni-90259-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Elymus glaucus Buckley** according to WCSP ; Comments: WCSP

Elymus hirsutus J.Presl in C.Presl (GUID: ipni-326141-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Elymus lanceolatus (Scribn. & J.G.Sm.) Gould (GUID: ipni-400320-1). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Elymus lanceolatus subsp. lanceolatus (Scribn. & J.G. Sm.) Gould (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Elymus lanceolatus subsp. psammophilus (J.M.Gillett & H.Senn) Á.Löve (GUID: ipni-90284-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Elymus macrourus (Turcz. ex Steud.) (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Elymus macrourus (Turcz.) Tzvelev (GUID: ipni-400340-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Elymus macrourus subsp. macrourus (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Elymus macrourus taxon sericeus (Hitchc.) (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Elymus repens (L.) Gould (GUID: ipni-90320-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA. A *synonym* of:

- **Elytrigia repens (L.) Desv. ex Nevski** according to **PAF** ; Comments: We assume that [Elytrigia repens] is adventive in the Arctic but it may be archaeophytic on seashores in northern Norway and in the Murman area, perhaps also farther east. In Greenland, it remains vegetatively but does not reproduce by seeds. Other subspecies, partly littoral, are found in Europe and western Asia.

Elymus sajanensis (Nevski) Tzvelev (GUID: ipni-400420-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Elymus alaskanus subsp. borealis (Turcz.) Á. Löve & D. Löve** according to **ACCS** ; Comments: Panarctic Flora Checklist

Elymus sajanensis subsp. hyperarcticus (Polunin) Tzvelev (GUID: ipni-1083282-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Elymus alaskanus subsp. hyperarcticus (Polunin) Á. Löve & D. Löve s. lat.** according to **PAF** ; Comments: Elven and Murray: Tzvelev (PAF proposal) assigned subsp. [hyperarcticus] to [Elymus sajanensis]. Soreng et al. (2000 onwards, CNWG web version) accepted it as species, but Campbell and Soreng in Soreng et al. (2003, CNWG printed version) and Barkworth et al. (2007) later considered it a subspecies of [E. alaskanus]. These authors, however, synonymized [E. sajanensis] with [E. alaskanus] subsp. [borealis]. [Elymus sajanensis] (Nevski) Tzvelev, Novosti Sist. Vyssh. Rast. 9: 61 (1972) [[Roegneria sajanensis] Nevski in Kom., Fl. URSS 2: 624 (1934)] with type (LE, holotype?) from southern Siberia: the Sayan Mountains, Tuniskii region, Garganskii pass, 31. July 1902, leg. V. Komarov. Tzvelev (PAF proposal) accepted three taxa as subspecies of [E. sajanensis]. See the discussion by Tzvelev (1964e) where only one differential character discriminated between subsp. [hyperarcticus] and subsp. [villosus]. The three subspecies are largely sympatric. The same seems to be the case with subsp. [caeruleus]. Subspecies [villosus] has elsewhere been included in [E. alaskanus]. The two taxa ['caeruleus'] and ['villosus'] are entered provisionally below.
- **Elymus sajanensis (Nevski) Tzvelev** according to **WCSP** ; Comments: WCSP
- **Elymus alaskanus subsp. borealis (Turcz.) Á. Löve & D. Löve** according to **ACCS** ; Comments: Panarctic Flora Checklist

Elymus sibiricus L. (GUID: ipni-400434-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Elymus smithii (Rydb.) Gould (GUID: ipni-90334-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Pascopyrum smithii (Rydb.) Á. Löve** according to **ACCS** ; Comments: ITIS

Elymus spicatus (Pursh) Gould (GUID: ipni-90336-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Pseudoroegneria spicata (Pursh) Á. Löve** according to **PAF** ; Comments: Elven and Murray: Carlson (2007) mapped [Pseudoroegneria spicata] only north to the southern Yukon Territory but his map is not complete. The species is frequent north to the central parts of the Yukon Territory and to the southern and central parts of Alaska. Cody (1996) mapped one arctic locality for it in the Yukon Territory. There are other, more southern races.
- **Pseudoroegneria spicata subsp. spicata (Pursh) Á. Löve** according to **ACCS** ; Comments: Panarctic Flora Checklist

Elymus subsecundus (Link) Á. Löve & D. Löve (GUID: ipni-400452-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Elymus trachycaulus (Link) Gould ex Shinnars** according to **WCSP** ; Comments: WCSP

- **Elymus trachycaulus subsp. subsecundus (Link) Á. Löve & D. Löve** according to **PAF** ;
Comments: Hultén (1968a) mapped subsp. [subsecundus] from the Kotzebue area in western Alaska.
- **Elymus trachycaulus subsp. subsecundus (Link) Á. Löve & D. Löve** according to **ACCS** ;
Comments: Panarctic Flora Checklist

Elymus trachycaulus (Link) Gould (GUID: ipni-400463-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Elymus trachycaulus (Link) Gould ex Shinners (GUID: trop-25510991). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Elymus trachycaulus subsp. major (Vasey) Tzvelev (GUID: ipni-90350-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Elymus trachycaulus (Link) Gould ex Shinners** according to **WCSP** ; Comments: WCSP
- **Elymus trachycaulus subsp. trachycaulus (Link) Gould ex Shinners** according to **ACCS** ;
Comments: Panarctic Flora Checklist
- **Elymus trachycaulus subsp. trachycaulus** according to **PAF** ; Comments:

Elymus trachycaulus subsp. novae-angliae (Scribn.) Tzvelev (GUID: ipni-90351-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Elymus trachycaulus (Link) Gould ex Shinners** according to **WCSP** ; Comments: WCSP
- **Elymus trachycaulus subsp. trachycaulus (Link) Gould ex Shinners** according to **ACCS** ;
Comments: Panarctic Flora Checklist

Elymus trachycaulus subsp. subsecundus (Link) Á.Löve & D.Löve (GUID: ipni-882041-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Elymus trachycaulus (Link) Gould ex Shinners** according to **WCSP** ; Comments: WCSP

Elymus trachycaulus subsp. trachycaulus (GUID: trop-25510996). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**.

Elymus trachycaulus subsp. trachycaulus (Link) Gould ex Shinners (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Elymus trachycaulus subsp. violaceus (Hornem.) Á.Löve & D.Löve (GUID: ipni-882043-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Elymus trachycaulus (Link) Gould ex Shinners** according to **WCSP** ; Comments: WCSP
- **Elymus violaceus (Hornem.) Feilberg** according to **PAF** ; Comments: Elven and Murray: Tzvelev treated subsp. [violaceus] and subsp. [latiglumis] as two races of [Elymus violaceus]. Campbell and Soreng in Soreng et al. (2003) merged them in a subsp. [violaceus] of [E. trachycaulus]. Barkworth et al. (2007) accepted [E. violaceus] as species and considered ['latiglumis'] a synonym for it.
- **Elymus violaceus (Hornem.) Feilberg** according to **ACCS** ; Comments: Panarctic Flora Checklist

Elymus violaceus (Hornem.) Feilberg (GUID: trop-25546842). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Elymus yukonensis (Scribn. & Merr.) Á.Löve (GUID: ipni-1077995-2). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Elymus × palmerensis (Lepage) Barkworth & D.R.Dewey (GUID: ipni-1003648-1). In Alaska according to **FNA**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- × **Agroelymus palmerensis** Lepage according to **WCSP** ; Comments: **WCSP**

Elytrigia dasystachya (Hook.) Á.Löve & D.Löve (GUID: ipni-400529-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Elymus lanceolatus** (Scribn. & J.G.Sm.) Gould according to **WCSP** ; Comments: **WCSP**
- **Elymus lanceolatus** subsp. **lanceolatus** (Scribn. & J.G. Sm.) Gould according to **ACCS** ; Comments: **ITIS**

Elytrigia repens (L.) Desv. ex Nevski (GUID: trop-25509585). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Elymus repens** (L.) Gould according to **ACCS** ; Comments: **Flora of North America**

Elytrigia smithii (Rydb.) Nevski (GUID: trop-25553968). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Elymus smithii** (Rydb.) Gould according to **WCSP** ; Comments: **WCSP**
- **Pascopyrum smithii** (Rydb.) Á. Löve according to **ACCS** ; Comments: **ITIS**

Festuca altaica Trin. (GUID: ipni-402325-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Festuca arundinacea Schreb. (GUID: ipni-89139-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Lolium arundinaceum** (Schreb.) Darbysh. according to **ALA** ; Comments:
- **Schedonorus arundinaceus** (Schreb.) Dumort. according to **ACCS** ; Comments: **Panarctic Flora Checklist**

Festuca auriculata Drobow (GUID: ipni-402399-1). In Alaska according to **PAF, FNA**. An *accepted name* according to **ALA, PAF, WCSP, FNA**.

Festuca auriculata Drobow, nom. inq. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Festuca baffinensis Polunin (GUID: ipni-402405-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Festuca brachyphylla Schult. (GUID: ipni-1019330-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Festuca brachyphylla Schult. & Schult.f. (GUID: ipni-103770-2). In Alaska according to **FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Festuca brevipila R.Tracey (GUID: ipni-402461-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Festuca trachyphylla** (Hack.) Hack. according to **WCSP** ; Comments: **WCSP**

Festuca brevissima Jurtzev (GUID: ipni-402464-1). In Alaska according to **ACCS, PAF, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, PAF, FNA**.

Festuca edlundiae S. Aiken, Consaul & Lefkovich (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Festuca edlundiae S. Aiken, Consaul & Lefkovitch (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Festuca edlundiae S.G.Aiken, Consaul & Lefk. (GUID: ipni-985000-1). In Alaska according to **FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Festuca lenensis Drobow (GUID: ipni-402993-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Festuca minutiflora Rydb. (GUID: ipni-403094-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Festuca occidentalis Hook. (GUID: ipni-403187-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Festuca pratensis Huds. (GUID: ipni-90351-3). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Lolium pratense (Huds.) Darbysh.** according to **ALA** ; Comments: Darbyshire (DAO) email
- **Schedonorus pratensis (Huds.) P. Beauv.** according to **PAF** ; Comments: Chernov (1953) mapped occurrences of [Schedonorus pratensis] in the Murman area (northwestern European Russia) but these are outside the Arctic. This region was the only one where Tzvelev (PAF proposal) indicated persistent occurrences. The species is, however, at least semi-established in southwestern Greenland (Pedersen 1972) and in the Arctic in Båtsfjord and Vardø in Norway.
- **Schedonorus pratensis (Huds.) P. Beauv.** according to **ACCS** ; Comments: ITIS
- **Schedonorus pratensis (Huds.) P. Beauv.** according to **FNA** ; Comments: FNA

Festuca prolifera (Piper) Fernald (GUID: ipni-403330-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Festuca rubra L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Festuca richardsonii Hook. (GUID: ipni-403417-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Festuca rubra subsp. richardsonii (R.Br.) Hultén** according to **ALA** ; Comments:
- **Festuca rubra subsp. richardsonii (Hook.) Hultén** according to **PAF** ; Comments: This major race of [Festuca rubra] is morphologically fairly uniform throughout its arctic range. Subspecies [richardsonii] differs from subsp. [rubra] in several, assumed independently inherited characters (see above). Specific rank is an alternative but there are frequent transitions between subsp. [richardsonii] and subsp. [rubra], at least in northwestern Europe and Greenland. The correct name as subspecies is undecided. The majority of authors apply subsp. [arctica] (Hack.) Govor. with priority from 1937, based on Hackel's f. [arctica] (e.g., Russian authors; Soreng et al. 2003; Darbyshire and Pavlick 2007). This is probably the correct name but we have not found reference to a type. Hackel's diagnosis is not sufficient to distinguish between the arctic plants and boreal-temperate subsp. [rubra]. Hackel's name was based on plants both from 'insulis arcticus' and from 'Scandinavia borealis' where subsp. [rubra] with hairy lemmas is common. Hooker's name [F. richardsonii] - with priority as subspecies from 1942 - is based on a type certainly belonging to this race. We have therefore chosen to apply that name until a type for Hackel's ['arctica'] can be confirmed. The name [F. richardsonii] has priority at level of species if such is preferred. The majority of documented chromosome counts are of hexaploids. In northern areas, octoploids are confined to Siberia and the Russian Far East and might indicate some additional taxonomic variation there. The plants behind these records should be studied. Löve and Löve (1975a) applied the name [F. eriantha] Honda, Bot. Mag. (Tokyo) 42: 145 (1928), for the octoploids but their justification for this solution is not known to us. Soreng et al. (2003) synonymized [F. eriantha] Honda with their [F. rubra] subsp. [arctica] but these authors seem to have circumscribed subsp. [arctica] more widely than we would do for subsp. [richardsonii].
- **Festuca rubra L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Festuca rubra L. (GUID: ipni-90482-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Festuca rubra subsp. arctica (Hack.) Govor. (GUID: ipni-60454376-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Festuca rubra subsp. richardsonii (Hook.) Hultén** according to PAF ; Comments: This major race of [Festuca rubra] is morphologically fairly uniform throughout its arctic range. Subspecies [richardsonii] differs from subsp. [rubra] in several, assumed independently inherited characters (see above). Specific rank is an alternative but there are frequent transitions between subsp. [richardsonii] and subsp. [rubra], at least in northwestern Europe and Greenland. The correct name as subspecies is undecided. The majority of authors apply subsp. [arctica] (Hack.) Govor. with priority from 1937, based on Hackel's f. [arctica] (e.g., Russian authors; Soreng et al. 2003; Darbyshire and Pavlick 2007). This is probably the correct name but we have not found reference to a type. Hackel's diagnosis is not sufficient to distinguish between the arctic plants and boreal-temperate subsp. [rubra]. Hackel's name was based on plants both from 'insulis arcticus' and from 'Scandinavia borealis' where subsp. [rubra] with hairy lemmas is common. Hooker's name [F. richardsonii] - with priority as subspecies from 1942 - is based on a type certainly belonging to this race. We have therefore chosen to apply that name until a type for Hackel's ['arctica'] can be confirmed. The name [F. richardsonii] has priority at level of species if such is preferred. The majority of documented chromosome counts are of hexaploids. In northern areas, octoploids are confined to Siberia and the Russian Far East and might indicate some additional taxonomic variation there. The plants behind these records should be studied. Löve and Löve (1975a) applied the name [F. eriantha] Honda, Bot. Mag. (Tokyo) 42: 145 (1928), for the octoploids but their justification for this solution is not known to us. Soreng et al. (2003) synonymized [F. eriantha] Honda with their [F. rubra] subsp. [arctica] but these authors seem to have circumscribed subsp. [arctica] more widely than we would do for subsp. [richardsonii].
- **Festuca rubra L.** according to WCSP ; Comments: WCSP
- **Festuca rubra L.** according to ACCS ; Comments: Panarctic Flora Checklist

Festuca rubra subsp. aucta (V. Krecz. & Bobrov) Hultén (GUID: trop-25512062). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Festuca rubra L.** according to ACCS ; Comments: Panarctic Flora Checklist

Festuca rubra subsp. richardsonii (Hook.) Hultén (GUID: ipni-104034-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ALA. A *synonym* of:

- **Festuca richardsonii Hook.** according to WCSP ; Comments: WCSP
- **Festuca rubra L.** according to ACCS ; Comments: Panarctic Flora Checklist

Festuca rubra subsp. rubra (GUID: trop-25509647). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Festuca saximontana Rydb. (GUID: ipni-403475-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Festuca saximontana subsp. saximontana Rydb. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Festuca saximontana var. purpusiana (St.-Yves) Fred. & Pavlick (GUID: ipni-104040-2). In Alaska according to FNA. An *accepted name* according to FNA. A *synonym* of:

- **Festuca saximontana Rydb.** according to ALA ; Comments: Aiken & Darbyshire 1990; Aiken & Darbyshire 1990; Aiken, S. G. & S. J. Darbyshire. 1990. Fescue grasses of Canada. Agriculture Canada Publ. 1844^E. 113 pp.
- **Festuca ovina L.** according to WCSP ; Comments: WCSP

Festuca saximontana var. saximontana (GUID: trop-50088733). In Alaska according to FNA. An *accepted name* according to FNA. A *synonym* of:

- **Festuca saximontana Rydb.** according to ALA ; Comments: Aiken & Darbyshire 1990; Aiken & Darbyshire 1990; Aiken, S. G. & S. J. Darbyshire. 1990. Fescue grasses of Canada. Agriculture Canada Publ. 1844'E. 113 pp.

Festuca subulata Trin. (GUID: trop-25512066). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Festuca trachyphylla (Hack.) Krajina (GUID: ipni-403649-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Festuca trachyphylla (Hack.) Hack.** according to WCSP ; Comments: WCSP
- **Festuca brevipila Tracey** according to ACCS ; Comments: ACCS Non-native List

Festuca viviparoides Krajina ex Pavlick (GUID: ipni-907666-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, WCSP, ACCS, FNA.

Festuca viviparoides subsp. krajinae Frederiksen (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Festuca viviparoides subsp. viviparoides Krajina ex Pavlick (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Glyceria borealis (Nash) Batch. (GUID: ipni-110959-2). In Alaska according to FNA. An *accepted name* according to ALA, WCSP, FNA.

Glyceria borealis (Nash) Batchelder (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Glyceria grandis S.Watson (GUID: ipni-110976-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Glyceria grandis var. grandis (GUID: trop-25517668). In Alaska according to FNA. An *accepted name* according to FNA.

Glyceria grandis var. grandis S. Watson (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Glyceria grandis var. komarovii Kelso (GUID: ipni-110977-2). In Alaska according to PAF, FNA, ACCS. An *accepted name* according to PAF, FNA, ACCS. A *synonym* of:

- **Glyceria grandis S.Watson** according to WCSP ; Comments: WCSP

Glyceria leptostachya Buckley (GUID: ipni-404133-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Glyceria maxima (Hartm.) Holmb. (GUID: ipni-404141-1). In Alaska according to FNA, ACCS. An *accepted name* according to WCSP, FNA, ACCS.

Glyceria pauciflora J.Presl (GUID: ipni-111012-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Torreyochloa pauciflora (J.Presl) Church** according to WCSP ; Comments: WCSP
- **Torreyochloa pallida var. pauciflora (J. Presl) J.I. Davis** according to ACCS ; Comments: ITIS

Glyceria pulchella (Nash) K.Schum. (GUID: ipni-111015-2). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Glyceria striata (Lam.) Hitchc. (GUID: ipni-404199-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Glyceria striata subsp. stricta (Scribn.) Hultén (GUID: trop-25516775). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Glyceria striata (Lam.) Hitchc.** according to WCSP ; Comments: WCSP
- **Glyceria striata (Lam.) Hitchc.** according to ACCS ; Comments: Panarctic Flora Checklist

Hierochloe alpina (Sw. ex Willd.) Roem. & Schult. (GUID: trop-25511151). In Alaska according to ACCS. An *accepted name* according to ACCS.

Hierochloe alpina (Sw.) Roem. & Schult. (GUID: kew-418805). In Alaska according to PAF. An *accepted name* according to ALA, WCSP, PAF.

Hierochloe odorata (L.) P.Beauv. (GUID: ipni-404911-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Hierochloe odorata subsp. arctica (J. Presl) Tzvelev (GUID: trop-25533951). In Alaska according to ACCS, PAF. An *accepted name* according to ACCS, PAF.

Hierochloe odorata subsp. kolymensis Prob. (GUID: ipni-882416-1). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Hierochloe odorata (L.) P.Beauv.** according to WCSP ; Comments: WCSP

Hierochloe pauciflora R.Br. (GUID: ipni-404918-1). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, WCSP, PAF, ACCS.

Holcus lanatus L. (GUID: ipni-405034-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Holcus mollis L. (GUID: ipni-405041-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Hordeum aegiceras Nees ex Royle (GUID: trop-25533970). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Hordeum vulgare L.** according to ACCS ; Comments: ITIS

Hordeum brachyantherum Nevski (GUID: ipni-405163-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Hordeum brachyantherum subsp. brachyantherum Nevski (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Hordeum distichon L. (GUID: ipni-73317-3). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Hordeum vulgare L.** according to ACCS ; Comments: ITIS

Hordeum jubatum L. (GUID: ipni-405267-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Hordeum jubatum subsp. intermedium Bowden (GUID: ipni-287567-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Hordeum jubatum L.** according to WCSP ; Comments: WCSP

Hordeum jubatum subsp. jubatum (GUID: trop-25517682). In Alaska according to ACCS. An *accepted name* according to ACCS.

Hordeum murinum L. (GUID: ipni-76988-3). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Hordeum murinum subsp. leporinum (Link) Arcang. (GUID: trop-25515448). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Hordeum vulgare L. (GUID: ipni-77099-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Koeleria asiatica Domin (GUID: ipni-406455-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Koeleria gracilis Pers. (GUID: ipni-406567-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Koeleria macrantha (Ledeb.) Schult.** according to WCSP ; Comments: WCSP
- **Koeleria macrantha (Ledeb.) Schult.** according to ACCS ; Comments: ITIS

Koeleria macrantha (Ledeb.) Schult. (GUID: ipni-165188-3). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Leymostachys × korovinii Tzvelev (GUID: ipni-407298-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Psathyrostachys juncea (Fisch.) Nevski** according to ACCS ; Comments: ITIS

Leymus innovatus (Beal) Pilg. (GUID: ipni-407322-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Leymus innovatus subsp. velutinus (Bowden) Tzvelev (GUID: ipni-1014490-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Leymus innovatus (Beal) Pilg.** according to WCSP ; Comments: WCSP

Leymus mollis (Trin.) Pilg. (GUID: ipni-407335-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Leymus mollis subsp. mollis (GUID: trop-25511229). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Leymus mollis subsp. mollis (Trin.) Pilg. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Leymus mollis subsp. villosissimus (Scribn.) Á.Löve (GUID: ipni-139359-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Leymus mollis subsp. villosissimus (Scribn.) Á.Löve & D.Löve (GUID: ipni-139360-2). In Alaska according to PAF. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Leymus villosissimus (Scribn.) Tzvelev** according to WCSP ; Comments: WCSP

Leymus velutinus (Bowden) Á.Löve & D.Löve (GUID: ipni-139371-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Leymus innovatus (Beal) Pilg.** according to WCSP ; Comments: WCSP
- **Leymus innovatus subsp. velutinus (Bowden) Tzvelev** according to PAF ; Comments: Elven and Murray: Bowden (1959) described [*Elymus innovatus*] subsp. [*velutinus*] as a taxon ploidy and morphologically different from [*E. innovatus*] s. str. He was followed by Löve and Löve (1976a) and Löve (1980a, 1984b) who accepted them as two species within [*Leymus*]. Scoggan (1978b) stated that subsp. [*velutinus*] was known from 'Alaska; type from Mi 264, Richardson Highway, the only known locality'. This east-central Alaskan locality was also the only one recorded by Hultén (1968b) and is not arctic. However, Bowden (1959) listed more localities, and Löve (1980a) and Barkworth (2007a) included localities in the Northwest

Territories. We have surveyed the material from Alaska and the Yukon Territory (ALA) and do not find any consistent variation. This might mean that nearly all the American Beringian plants (except for the southernmost Yukon Territory) belong to subsp. [velutinus], and that subsp. [innovatus] is non-Beringian.

- **Leymus innovatus subsp. velutinus (Bowden) Tzvelev** according to ACCS ; Comments: Panarctic Flora Checklist

Leymus villosissimus (Scribn.) Tzvelev (GUID: ipni-407356-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Leymus mollis subsp. villosissimus (Scribn.) Á. Löve & D. Löve** according to PAF ; Comments:
- **Leymus mollis subsp. villosissimus (Scribn.) Á. Löve** according to ACCS ; Comments: Panarctic Flora Checklist

Lolium multiflorum Lam. (GUID: ipni-407489-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Lolium perenne L. (GUID: ipni-407493-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Lolium temulentum L. (GUID: ipni-407516-1). In Alaska according to FNA. An *accepted name* according to ALA, WCSP, FNA.

Melica subulata (Griseb.) Scribn. (GUID: trop-25512169). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Melica subulata var. subulata (Griseb.) Scribn. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Muhlenbergia richardsonis (Trin.) Rydb. (GUID: trop-25511274). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Pascopyrum smithii (Rydb.) Barkworth & D.R.Dewey (GUID: ipni-1003650-1). In Alaska according to FNA. An *accepted name* according to FNA.

Pascopyrum smithii (Rydb.) Á.Löve (GUID: ipni-184126-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Elymus smithii (Rydb.) Gould** according to WCSP ; Comments: WCSP

Phalaris arundinacea L. (GUID: ipni-71456-3). In Alaska according to ACCS, FNA, ACCS. An *accepted name* according to ALA, WCSP, ACCS, FNA. A *synonym* of:

- **Phalaris arundinacea L.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Phalaris arundinacea L.** according to FNA ; Comments: FNA

Phalaris canariensis L. (GUID: ipni-71610-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Phalaris minor Retz. (GUID: ipni-71881-3). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Phippsia algida (Sol.) R.Br. (GUID: ipni-415728-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Phippsia concinna (Fr.) Lindeb. (GUID: kew-433665). In Alaska according to FNA. An *accepted name* according to WCSP, ALA, FNA.

Phleum alpinum L. (GUID: ipni-415775-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, WCSP, ACCS, FNA**. A *synonym* of:

- **Phleum commutatum var. americanum (E.Fourn.) Hultén** according to **ALA** ; Comments: AK taxon list; ALA Taxon List; ALA Taxon List

Phleum commutatum Gaudin (GUID: ipni-415799-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Phleum alpinum L.** according to **PAF** ; Comments: Fjellheim and Elven: We have compared diploid and tetraploid European [*Phleum alpinum*] and find them different in the characters suggested by, e.g., Humphries (1978). The name [*P. alpinum*] L. is based on a type from northern Sweden, either on Herb. Linn. 81.4 '[*alpinum*] 2 Lappo' (LINN; Bowden, see below) or on a specimen in the Linnaean Lapland Herbarium (LAPP; Humphries, Bot. J. Linn. Soc. 76: 337-340. 1978). Jarvis (2007) stated that the first and valid designation of lectotype was published by Bowden in 1965 in *Canad. J. Bot.* 43: 286. The cited page is blank in the 1965 issue and there is no relevant paper or information by Bowden in that issue of the journal. Tetraploids occur throughout the range in Europe, Asia, and in both North and South America, and only tetraploids are documented from northern Scandinavia. The type, irrespective of which one is correct, therefore assigns the name [*P. alpinum*] to the tetraploid taxon. Diploids are known from central, southern, and eastern Europe (incl. Ukraine), and the Caucasus and are the more frequent in these regions. Nordenskiöld (1945) suggested that the tetraploids (by him [*P. commutatum*]) could have an allopolyploid origin from the diploids (by him [*P. alpinum*]) and from hexaploid [*P. pratense*]. This suggestion was followed up by Wilton and Klebesadel (1973) who compared karyotypes of tetraploid [*P. alpinum*] (by them [*P. commutatum*]) and [*P. pratense*] s. lat. and concluded that [*P. alpinum*] was allotetraploid with one genome in common with [*P. pratense*] (see below). The question whether the diploids and tetraploids should be assigned to the same species thereby becomes relevant (see a similar case in [*Anthoxanthum*]). Löve and Löve (1975a), for reasons not given (and erroneously), assigned the name [*P. alpinum*] to the diploids and [*P. commutatum*] to the tetraploids. Gaudin's Alpine [*P. commutatum*] shares features with the northern tetraploids (glabrous vs. ciliate awns in the more southern European diploids). The names [*P. alpinum*] L. and [*P. commutatum*] Gaud. are then most probably synonyms belonging to the tetraploid. Humphries described the more southern European, diploid race as [*P. alpinum*] subsp. [*rhaeticum*] Humphries, *J. Linn. Soc., Bot.* 76: 339 (1978). The western North American plant named var. [*americanum*] might be another regional race (perhaps including the non-arctic Pacific Asian plants). Subspecies or variety [*americanum*] probably reaches the Arctic in western Alaska only, whereas all other arctic regions would have subsp. [*alpinum*] in Humphries' (1978) nomenclature. Soreng et al. (2003) synonymized var. [*americanum*] with the collective [*P. alpinum*], not with subsp. [*alpinum*] which they accepted. A recent study comparing American and European [*P. alpinum*] s. lat. is Kula et al. (2006). They found some variation in genome size and cytomorphology among European diploids and tetraploids. The American tetraploids were morphologically and cytomorphologically nearly inseparable from the European ones.
- **Phleum alpinum L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Phleum commutatum var. americanum (E.Fourn.) Hultén (GUID: ipni-193319-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Phleum alpinum L.** according to **WCSP** ; Comments: WCSP
- **Phleum alpinum L.** according to **PAF** ; Comments: Fjellheim and Elven: We have compared diploid and tetraploid European [*Phleum alpinum*] and find them different in the characters suggested by, e.g., Humphries (1978). The name [*P. alpinum*] L. is based on a type from northern Sweden, either on Herb. Linn. 81.4 '[*alpinum*] 2 Lappo' (LINN; Bowden, see below) or on a specimen in the Linnaean Lapland Herbarium (LAPP; Humphries, Bot. J. Linn. Soc. 76:

337-340. 1978). Jarvis (2007) stated that the first and valid designation of lectotype was published by Bowden in 1965 in *Canad. J. Bot.* 43: 286. The cited page is blank in the 1965 issue and there is no relevant paper or information by Bowden in that issue of the journal. Tetraploids occur throughout the range in Europe, Asia, and in both North and South America, and only tetraploids are documented from northern Scandinavia. The type, irrespective of which one is correct, therefore assigns the name [*P. alpinum*] to the tetraploid taxon. Diploids are known from central, southern, and eastern Europe (incl. Ukraine), and the Caucasus and are the more frequent in these regions. Nordenskiöld (1945) suggested that the tetraploids (by him [*P. commutatum*]) could have an allopolyploid origin from the diploids (by him [*P. alpinum*]) and from hexaploid [*P. pratense*]. This suggestion was followed up by Wilton and Klebesadel (1973) who compared karyotypes of tetraploid [*P. alpinum*] (by them [*P. commutatum*]) and [*P. pratense*] s. lat. and concluded that [*P. alpinum*] was allotetraploid with one genome in common with [*P. pratense*] (see below). The question whether the diploids and tetraploids should be assigned to the same species thereby becomes relevant (see a similar case in [*Anthoxanthum*]). Löve and Löve (1975a), for reasons not given (and erroneously), assigned the name [*P. alpinum*] to the diploids and [*P. commutatum*] to the tetraploids. Gaudin's Alpine [*P. commutatum*] shares features with the northern tetraploids (glabrous vs. ciliate awns in the more southern European diploids). The names [*P. alpinum*] L. and [*P. commutatum*] Gaud. are then most probably synonyms belonging to the tetraploid. Humphries described the more southern European, diploid race as [*P. alpinum*] subsp. [*rhaeticum*] Humphries, *J. Linn. Soc., Bot.* 76: 339 (1978). The western North American plant named var. [*americanum*] might be another regional race (perhaps including the non-arctic Pacific Asian plants). Subspecies or variety [*americanum*] probably reaches the Arctic in western Alaska only, whereas all other arctic regions would have subsp. [*alpinum*] in Humphries' (1978) nomenclature. Soreng et al. (2003) synonymized var. [*americanum*] with the collective [*P. alpinum*], not with subsp. [*alpinum*] which they accepted. A recent study comparing American and European [*P. alpinum*] s. lat. is Kula et al. (2006). They found some variation in genome size and cytomorphology among European diploids and tetraploids. The American tetraploids were morphologically and cytomorphologically nearly inseparable from the European ones.

- ***Phleum alpinum* L.** according to ACCS ; Comments: Panarctic Flora Checklist

***Phleum pratense* L.** (GUID: ipni-415868-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Pleuropogon sabinei* R.Br.** (GUID: ipni-416403-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

***Poa abbreviata* R.Br.** (GUID: ipni-416409-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Poa abbreviata* subsp. *abbreviata (GUID: trop-25545569). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

***Poa abbreviata* subsp. *jordalii* (A.E.Porsild) Hultén** (GUID: ipni-1138501-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Poa abbreviata* subsp. *pattersonii* (Vasey) Á. Löve & D. Löve & Kapoor** according to ACCS ; Comments: Panarctic Flora Checklist

***Poa abbreviata* subsp. *pattersonii* (Vasey) Á.Löve, D.Löve & B.M.Kapoor** (GUID: ipni-204056-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- ***Poa pattersonii* Vasey** according to WCSP ; Comments: WCSP

***Poa alpigena* Lindm.** (GUID: ipni-416457-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Poa pratensis subsp. alpigena (Lindm.) Hiitonen** according to **PAF** ; Comments: [Poa alpigena] is sometimes erroneously stated to have been described from 'Spitzbergen, Liefdebay'. The mistake is probably caused by subsp. [colpodea] being described from the Liefdefjord area in Svalbard. Tzvelev (PAF proposal) recognized two taxa within the North American and northwestern European concept of subsp. [alpigena]: subsp. [alpigena] s. str. and subsp. [rigens]. Subspecies [rigens] was originally described as similar to subsp. [irrigata] (and entered as a synonym of that name by Soreng et al. 2003 but as a synonym of subsp. [alpigena] by Soreng 2007). Tzvelev (PAF proposal) suggested it to be a subspecies of [P. alpigena] and as disjunct: northern Fennoscandia (rare), Kanin-Pechora (rare), West Chukotka (rare), and western Greenland (rare). There are numerous morphologically separable 'biotypes' within subsp. [alpigena] but we have not been able (in the Nordic area) to group them into two main races: subsp. [alpigena] and subsp. [rigens]. We therefore believe that we must be pragmatic and accept a wide circumscription of this subspecies, including apomictic biotypes that may be comparatively little related. However, Tzvelev (in comment) later stated [P. rigens] to be rather different and more closely related to the Beringian [P. sublanata] (see below).
- **Poa pratensis subsp. alpigena (Fr. ex Blytt) Hiitonen** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Poa pratensis subsp. alpigena (Fr.) Hiitonen** according to **ALA** ; Comments: Catalog of New World Grasses; Soreng et al. 2000 (New World Grasses); Soreng et al. 2000. Catalog of New World Grasses (Poaceae). CNWG-URL

Poa alpina L. (GUID: ipni-86836-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Poa alpina var. alpina (GUID: trop-25511383). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Poa ampla Merr. (GUID: ipni-416479-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Poa juncifolia Scribn.** according to **WCSP** ; Comments: WCSP
- **Poa secunda J. Presl** according to **ACCS** ; Comments: Q. Skinner

Poa angustifolia L. (GUID: ipni-416493-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Poa pratensis subsp. angustifolia (L.) Lej.** according to **ALA** ; Comments: Soreng annos (non-AK); Soreng 1998; Soreng, R. J. 1998. Poa, in Catalog of New World Grasses.
- **Poa pratensis subsp. pratensis L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Poa annua L. (GUID: ipni-86910-3). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Poa arctica R.Br. (GUID: ipni-416515-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Poa arctica subsp. arctica (GUID: trop-25516768). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Poa arctica subsp. lanata (Scribn. & Merr.) Soreng (GUID: ipni-1073699-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Poa lanata Scribn. & Merr.** according to **WCSP** ; Comments: WCSP

Poa arctica subsp. longiculmis Hultén (GUID: ipni-204099-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Poa arctica subsp. arctica** according to **PAF** ; Comments: Nannfeldt (1940) accepted six minor races within [Poa arctica] (as subspecies by Nannfeldt 1940, as varieties by Hylander 1953b) in Fennoscandia and Iceland, as parts of the larger variation which he left undivided. A seventh race, his unpublished subsp. [wahlenbergii] (annotations in herbaria), was the only race reaching the Arctic in Norway. Except for subsp. [caespitans], we do not accept these races as worthwhile taxa, and as the published taxa are non-arctic we do not include them in the synonymy above. Viviparous (bulbil-reproducing) plants have been reported within [P. arctica] subsp. [arctica]. In Svalbard, viviparous plants with the general appearance of [P. arctica] are about as frequent as are seminiferous plants. A re-evaluation of these viviparous plants in 2010 (Elven and Alsos) showed that a main diagnostic character of [P. arctica] s. lat. vs. [P. pratensis] s. lat., presence of hairs or setae between the veins on the lemmas, was absent in the viviparous plants. We now suspect that viviparous plants may be a hybridogeneous swarm between [P. arctica] (subsp. [arctica]) and [P. pratensis] (subsp. [alpigena]).
- **Poa arctica R.Br.** according to **WCSP** ; Comments: WCSP
- **Poa arctica subsp. arctica R. Br.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Poa arctica subsp. williamsii (Nash) Hultén (GUID: ipni-204101-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Poa arctica subsp. arctica** according to **PAF** ; Comments: Nannfeldt (1940) accepted six minor races within [Poa arctica] (as subspecies by Nannfeldt 1940, as varieties by Hylander 1953b) in Fennoscandia and Iceland, as parts of the larger variation which he left undivided. A seventh race, his unpublished subsp. [wahlenbergii] (annotations in herbaria), was the only race reaching the Arctic in Norway. Except for subsp. [caespitans], we do not accept these races as worthwhile taxa, and as the published taxa are non-arctic we do not include them in the synonymy above. Viviparous (bulbil-reproducing) plants have been reported within [P. arctica] subsp. [arctica]. In Svalbard, viviparous plants with the general appearance of [P. arctica] are about as frequent as are seminiferous plants. A re-evaluation of these viviparous plants in 2010 (Elven and Alsos) showed that a main diagnostic character of [P. arctica] s. lat. vs. [P. pratensis] s. lat., presence of hairs or setae between the veins on the lemmas, was absent in the viviparous plants. We now suspect that viviparous plants may be a hybridogeneous swarm between [P. arctica] (subsp. [arctica]) and [P. pratensis] (subsp. [alpigena]).
- **Poa arctica R.Br.** according to **WCSP** ; Comments: WCSP
- **Poa arctica subsp. arctica R. Br.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Poa arctosteporum Jurtzev & Prob. (GUID: ipni-904984-1). In Alaska according to **ACCS, PAF**. An *accepted name* according to **ALA, ACCS, PAF**.

Poa compressa L. (GUID: ipni-87704-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Poa eminens J.Presl in C.Presl (GUID: ipni-204206-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, FNA**. A *synonym* of:

- **Arctopoa eminens (J. Presl) Prob.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Poa eyerdamii Hultén (GUID: ipni-417005-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Poa arctica R.Br.** according to **WCSP** ; Comments: WCSP
- **Poa palustris L.** according to **ACCS** ; Comments: Q. Skinner

Poa glauca Vahl (GUID: ipni-204239-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Poa glauca subsp. glauca Vahl (GUID: NULL). In Alaska according to **ACCS**. An *accepted name*

according to ACCS.

Poa glauca subsp. rupicola (Nash) W.A.Weber (GUID: ipni-1181059-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Poa rupicola Nash ex Rydb.** according to WCSP ; Comments: WCSP

Poa hartzii Gand. (GUID: ipni-204269-2). In Alaska according to FNA, ACCS. An *accepted name* according to ALA, WCSP, FNA, ACCS.

Poa hartzii f. prolifera (Simmons) B.Boivin (GUID: ipni-204271-2). In Alaska according to ALA. An *accepted name* according to ALA.

Poa hartzii subsp. alaskana Soreng (GUID: ipni-965741-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Poa hartzii Gand.** according to WCSP ; Comments: WCSP

Poa hartzii subsp. vrangelica (Tzvelev) Soreng & L.J.Gillespie (GUID: ipni-60426466-2). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Poa vrangelica Tzvelev** according to WCSP ; Comments: WCSP

Poa hispidula Vasey (GUID: ipni-417200-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Poa macrocalyx Trautv. & C.A. Mey.** according to PAF ; Comments:
- **Poa macrocalyx Trautv. & C.A.Mey.** according to WCSP ; Comments: WCSP
- **Poa turneri Scribn.** according to ACCS ; Comments: Flora of North America

Poa hispidula var. aleutica Hultén (GUID: ipni-204278-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Poa macrocalyx Trautv. & C.A.Mey.** according to WCSP ; Comments: WCSP
- **Poa turneri Scribn.** according to ACCS ; Comments: Flora of North America

Poa hispidula var. vivipara Hultén (GUID: ipni-204279-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Poa macrocalyx Trautv. & C.A.Mey.** according to WCSP ; Comments: WCSP
- **Poa turneri Scribn.** according to ACCS ; Comments: Flora of North America

Poa interior Rydb. (GUID: ipni-417261-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Poa juncifolia Scribn. (GUID: ipni-417292-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Poa secunda subsp. juncifolia (Scribn.) Soreng** according to ACCS ; Comments: Q. Skinner

Poa lanata Scribn. & Merr. (GUID: ipni-417351-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Poa arctica subsp. lanata (Scribn. & Merr.) Soreng** according to ALA ; Comments: Catalog of New World Grasses; Soreng et al. 2000 (New World Grasses); Soreng et al. 2000. Catalog of New World Grasses (Poaceae). CNWG-URL
- **Poa arctica subsp. lanata (Scribn. & Merr.) Soreng** according to PAF ; Comments:
- **Poa arctica subsp. lanata (Scribn. & Merr.) Soreng** according to ACCS ; Comments: Panarctic Flora Checklist

Poa laxiflora Buckley (GUID: ipni-417373-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Poa leptocoma Trin. (GUID: ipni-417389-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Poa macrantha Vasey (GUID: ipni-417434-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Poa macrocalyx Trautv. & C.A.Mey. (GUID: ipni-417435-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, FNA. A *synonym* of:

- **Poa turneri** Scribn. according to ACCS ; Comments: Flora of North America

Poa macroclada Rydb. (GUID: ipni-417436-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Poa stenantha** Trin. according to ACCS ; Comments: Q. Skinner

Poa malacantha Kom. (GUID: trop-25509894). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Poa arctica** subsp. **lanata** (Scribn. & Merr.) Soreng according to ALA ; Comments: Catalog of New World Grasses; Soreng et al. 2000 (New World Grasses); Soreng et al. 2000. Catalog of New World Grasses (Poaceae). CNWG-URL
- **Poa lanata** Scribn. & Merr. according to WCSP ; Comments: WCSP

Poa merrilliana Hitchc. (GUID: trop-25512408). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Poa paucispicula** Scribn. & Merr. according to WCSP ; Comments: WCSP
- **Poa paucispicula** Scribn. & Merr. according to ACCS ; Comments: Panarctic Flora Checklist

Poa nemoralis L. (GUID: ipni-417571-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Poa norbergii Hultén (GUID: ipni-204382-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Poa lanata** Scribn. & Merr. according to WCSP ; Comments: WCSP
- **Poa turneri** Scribn. according to ACCS ; Comments: Flora of North America

Poa palustris L. (GUID: ipni-417663-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Poa pattersonii Vasey (GUID: ipni-417696-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Poa abbreviata** subsp. **pattersonii** (Vasey) Á. Löve & D. Löve & Kapoor according to ACCS ; Comments: Panarctic Flora Checklist

Poa paucispicula Scribn. & Merr. (GUID: ipni-417700-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Poa pekulnejensis Jurtzev & Tzvelev (GUID: ipni-417710-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Poa porsildii Gjaerev. (GUID: ipni-204420-2). In Alaska according to ACCS, FNA, PAF. An *accepted name* according to ALA, ACCS, FNA, PAF. A *synonym* of:

- **Poa leibergii** Scribn. according to WCSP ; Comments: WCSP

Poa pratensis L. (GUID: ipni-417792-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Poa pratensis subsp. alpigena (Lindm.) Hiitonen (GUID: trop-25534798). In Alaska according to **PAF, ALA, ACCS**. An *accepted name* according to **PAF, ALA, ACCS**.

Poa pratensis subsp. angustifolia (L.) Lej. (GUID: trop-25543960). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Poa pratensis subsp. pratensis L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Poa pratensis subsp. colpodea (Th. Fr.) Tzvelev (GUID: trop-25511421). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Poa pratensis var. colpodea (Th. Fr.) Soreng** according to **ACCS** ; Comments: Panarctic Flora Checklist

Poa pratensis subsp. irrigata (Lindm.) H. Lindb. (GUID: trop-25534801). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Poa humilis Ehrh. ex Hoffm.** according to **WCSP** ; Comments: WCSP

Poa pratensis subsp. pratensis (GUID: trop-25511422). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Poa pratensis var. colpodea (Th. Fr.) Soreng (GUID: trop-25546029). In Alaska according to **ACCS, ALA**. An *accepted name* according to **ACCS, ALA**. A *synonym* of:

- **Poa pratensis subsp. colpodea (Th. Fr.) Tzvelev** according to **PAF** ; Comments: Haugen and Elven: Haugen (2000) compared subsp. [colpodea] in Svalbard with [Poa pratensis] subsp. [alpigena] and with [P. arctica] s. lat. She found subsp. [colpodea] consistently different from subsp. [alpigena] and [P. arctica] in morphology and enzymes. We have the same field experience from several regions. There is a morphologically distinct, widespread high-arctic plant. We accept subsp. [colpodea] as a taxon, at least at rank of subspecies. It has a consistent range in the High Arctic and it appears to be morphologically uniform throughout. The material we have confirmed is from northern Alaska, northern Canada, Greenland, Svalbard, Franz Joseph Land, northern Yakutia, and Wrangel Island. Accepted chromosome numbers based on Norwegian and Canadian plants are $2n = (35), 37,$ and ca. 51, whereas the Russians are $2n = 42$ and 56, i.e., in the same range. Soreng et al. (2003) and Soreng (2007) accepted subsp. [colpodea] but included in it ['P. alpigena] var. [vivipara']. There are several morphologically different bulbil-reproducing plants in the affinity of subsp. [alpigena]. In Svalbard and Greenland, bulbil-reproducing biotypes of subsp. [alpigena] (described as var. [vivipara]) are much more common than is subsp. [colpodea]. These plants have morphologically similar seminiferous counterparts, whereas we know of no such counterpart for subsp. [colpodea]. In the investigations of Haugen (2000), viviparous subsp. [colpodea] differed consistently in isoenzymes from both [P. arctica] and [P. pratensis] subsp. [alpigena]. The viviparous forms of these did not differ much from their seminiferous counterparts. We therefore accept subsp. [colpodea], whereas we consider the other viviparous plants as heterogeneous sprouting forms.
- **Poa alpigena Lindm.** according to **WCSP** ; Comments: WCSP

Poa pseudoabbreviata Roshev. (GUID: ipni-417816-1). In Alaska according to **FNA, ACCS**. An *accepted name* according to **ALA, WCSP, FNA, ACCS**.

Poa rupicola Nash ex Rydb. (GUID: ipni-417955-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Poa glauca subsp. rupicola (Nash ex Rydb.) W.A. Weber** according to **ACCS** ; Comments: Q. Skinner

Poa scabrella (Thurb.) Benth. ex Vasey (GUID: trop-25512424). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Pseudosclerochloa rupestris (With.) Tzvelev** according to **WCSP** ; Comments: WCSP
- **Poa secunda J. Presl** according to **ACCS** ; Comments: Q. Skinner

Poa secunda J. Presl in C. Presl (GUID: ipni-329501-2). In Alaska according to **ACCS**, **FNA**. An *accepted name* according to **ACCS**, **FNA**.

Poa secunda subsp. juncifolia (Scribn.) Soreng (GUID: ipni-967388-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Poa juncifolia Scribn.** according to **WCSP** ; Comments: WCSP

Poa secunda subsp. secunda J. Presl (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Poa stenantha Trin. (GUID: ipni-418095-1). In Alaska according to **ACCS**, **FNA**. An *accepted name* according to **ALA**, **WCSP**, **ACCS**, **FNA**.

Poa stenantha var. stenantha (GUID: trop-50092650). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Poa stenantha var. vivipara Trin. (GUID: trop-25561610). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Poa subcaerulea Sm. (GUID: ipni-418126-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Poa humilis Ehrh. ex Hoffm.** according to **WCSP** ; Comments: WCSP
- **Poa pratensis subsp. irrigata (Lindm.) H. Lindb.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Poa sublanata Reverd. (GUID: ipni-418131-1). In Alaska according to **PAF**, **ACCS**. An *accepted name* according to **ALA**, **PAF**, **WCSP**, **ACCS**.

Poa trivialis L. (GUID: ipni-418266-1). In Alaska according to **ACCS**, **FNA**. An *accepted name* according to **ALA**, **WCSP**, **ACCS**, **FNA**.

Poa turneri Scribn. (GUID: ipni-418284-1). In Alaska according to **ALA**, **ACCS**. An *accepted name* according to **ALA**, **ACCS**. A *synonym* of:

- **Poa macrocalyx Trautv. & C.A. Mey.** according to **WCSP** ; Comments: WCSP

Podagrostis aequivalvis (Trin.) Scribn. & Merr. (GUID: ipni-204545-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**, **ACCS**. A *synonym* of:

- **Agrostis aequivalvis (Trin.) Trin.** according to **WCSP** ; Comments: WCSP

Podagrostis humilis (Vasey) Björkman (GUID: ipni-418388-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Agrostis humilis Vasey** according to **WCSP** ; Comments: WCSP

Podagrostis thurberiana (Hitchc.) Hultén (GUID: ipni-204547-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**, **ACCS**. A *synonym* of:

- **Agrostis thurberiana Hitchc.** according to **WCSP** ; Comments: WCSP

Polypogon monspeliensis (L.) Desf. (GUID: ipni-106988-3). In Alaska according to **ACCS**, **FNA**. An *accepted name* according to **ALA**, **WCSP**, **ACCS**, **FNA**.

Psathyrostachys juncea (Fisch.) Nevski (GUID: ipni-418806-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Pseudoroegneria spicata (Pursh) Á.Löve (GUID: ipni-1159330-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Elymus spicatus** (Pursh) Gould according to WCSP ; Comments: WCSP

Pseudoroegneria spicata subsp. spicata (Pursh) Á. Löve (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Puccinellia agrostidea T.J.Sørensen (GUID: ipni-418957-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Puccinellia arctica** (Hook.) Fernald & Weath. according to WCSP ; Comments: WCSP
- **Puccinellia arctica** (Hook.) Fernald & Weath. according to PAF ; Comments: Consaul and Gillespie (2001), Soreng et al. (2003), and Davis and Consaul (2007) synonymized the two diploid Sørensen species [Puccinellia agrostidea] and [P. poacea] with [P. arctica]. See the justification by Davis and Consaul (2007).
- **Puccinellia arctica** (Hook.) Fernald & Weath. according to ACCS ; Comments: Panarctic Flora Checklist

Puccinellia alaskana Scribn. & Merr. (GUID: ipni-418960-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Puccinellia pumila** (Vasey) Hitchc. according to WCSP ; Comments: WCSP

Puccinellia andersonii Swallen (GUID: ipni-418965-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Puccinellia angustata (R. Br.) E.L. Rand & (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Puccinellia angustata (R. Br.) Rand & Redf. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Puccinellia angustata subsp. angustata (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Puccinellia angustata subsp. angustata (R. Br.) Rand & Redf. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Puccinellia arctica (Hook.) Fernald & Weath. (GUID: ipni-214357-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Puccinellia banksiensis Consaul (GUID: ipni-60448397-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Puccinellia borealis Swallen (GUID: ipni-418982-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Puccinellia borealis subsp. borealis (GUID: trop-50219932). In Alaska according to PAF. An *accepted name* according to PAF.

Puccinellia borealis subsp. borealis Swallen (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Puccinellia deschampsoides T.J.Sørensen (GUID: ipni-214370-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Puccinellia nuttalliana** (Schult.) Hitchc. according to WCSP ; Comments: WCSP

- **Puccinellia nuttalliana (Schult.) Hitchc.** according to PAF ; Comments: Consaul and Gillespie (2001) argued from morphology for a synonymization of several previous species names with [Puccinellia nuttalliana]. Soreng et al. (2003) synonymized with [P. nuttalliana] the Siberian [P. borealis] subsp. [neglecta] (but not the amphi-Beringian subsp. [borealis]), the arctic American [P. deschampsoides], the northwestern North American [P. interior], and the northeastern North American [P. lucida]. Davis and Consaul (2007) synonymized all of [P. borealis] and [P. rosenkrantzii] with [P. nuttalliana] but they synonymized [P. lucida] with [P. nutkaënsis]. Tzvelev (1964c) indicated that [P. borealis] is morphologically close to the mainly European [P. distans], perhaps derived from introduced plants under arctic conditions. If this chain of thought is developed, very many temperate and arctic species will fall within such a mega-species, and its priority name would be [P. distans]. Soreng et al. and Davis and Consaul do not seem to have taken the Eurasian variation fully into consideration. Until more experimental data are available we keep the mainly Asian [P. borealis] apart, whereas the four others are provisionally merged within one species. We are not convinced that the chosen solution is the best one; see, e.g., the difference in geographical patterns coupled with a ploidy difference. The four proposed species are therefore entered in the distribution table: [Puccinellia nuttalliana] s. str. (i.e., as previously considered) is amphi-Pacific and all the reports of hexaploids seem to come from the Pacific regions. It is reported to reach the Arctic as rare in the North Alaska region only. [Puccinellia interior] is interior North American and perhaps also amphi-Beringian. It is reported as hexaploid and reaches the Arctic as rare in the Central Canada region only, but is also frequent in interior Alaska and the Yukon Territory. [Puccinellia deschampsoides] is restricted to the non-Beringian arctic parts of Canada and in western Greenland, reported as rare in the Central Canada and Hudson-Labrador regions and as scattered in western Greenland. It is well supported as an octoploid. [Puccinellia rosenkrantzii] is reported only from western Greenland, as rare and as an octoploid.
- **Puccinellia nuttalliana (Schult.) Hitchc.** according to ACCS ; Comments: Panarctic Flora Checklist

Puccinellia distans (Jacq.) Parl. (GUID: ipni-1026660-2). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Puccinellia distans subsp. distans (Jacq.) Parl. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Puccinellia geniculata Krecz. ex T.J. Sorensen (GUID: trop-25516777). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Puccinellia glabra Swallen (GUID: ipni-419036-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Puccinellia andersonii Swallen** according to WCSP ; Comments: WCSP
- **Puccinellia andersonii Swallen** according to ACCS ; Comments: Panarctic Flora Checklist

Puccinellia grandis Swallen (GUID: ipni-419040-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Puccinellia nutkaensis (J.Presl) Fernald & Weath.** according to WCSP ; Comments: WCSP
- **Puccinellia nutkaensis (J. Presl) Fernald & Weath.** according to ACCS ; Comments: Panarctic Flora Checklist

Puccinellia hauptiana (Trin. ex Krecz.) Kitagawa (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Puccinellia hauptiana (Trin. ex V.I. Krecz.) Kitag. (GUID: trop-25509934). In Alaska according to PAF. An *accepted name* according to PAF.

Puccinellia hultenii Swallen (GUID: ipni-419051-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Puccinellia pumila (Vasey) Hitchc.** according to **WCSP** ; Comments: WCSP
- **Puccinellia nutkaensis (J. Presl) Fernald & Weath.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Puccinellia interior T.J.Sørensen (GUID: ipni-1201264-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Puccinellia nuttalliana (Schult.) Hitchc.** according to **WCSP** ; Comments: WCSP
- **Puccinellia nuttalliana (Schult.) Hitchc.** according to **PAF** ; Comments: Consaul and Gillespie (2001) argued from morphology for a synonymization of several previous species names with [*Puccinellia nuttalliana*]. Soreng et al. (2003) synonymized with [*P. nuttalliana*] the Siberian [*P. borealis*] subsp. [*neglecta*] (but not the amphi-Beringian subsp. [*borealis*]), the arctic American [*P. deschampsoides*], the northwestern North American [*P. interior*], and the northeastern North American [*P. lucida*]. Davis and Consaul (2007) synonymized all of [*P. borealis*] and [*P. rosenkrantzii*] with [*P. nuttalliana*] but they synonymized [*P. lucida*] with [*P. nutkaensis*]. Tzvelev (1964c) indicated that [*P. borealis*] is morphologically close to the mainly European [*P. distans*], perhaps derived from introduced plants under arctic conditions. If this chain of thought is developed, very many temperate and arctic species will fall within such a mega-species, and its priority name would be [*P. distans*]. Soreng et al. and Davis and Consaul do not seem to have taken the Eurasian variation fully into consideration. Until more experimental data are available we keep the mainly Asian [*P. borealis*] apart, whereas the four others are provisionally merged within one species. We are not convinced that the chosen solution is the best one; see, e.g., the difference in geographical patterns coupled with a ploidy difference. The four proposed species are therefore entered in the distribution table: [*Puccinellia nuttalliana*] s. str. (i.e., as previously considered) is amphi-Pacific and all the reports of hexaploids seem to come from the Pacific regions. It is reported to reach the Arctic as rare in the North Alaska region only. [*Puccinellia interior*] is interior North American and perhaps also amphi-Beringian. It is reported as hexaploid and reaches the Arctic as rare in the Central Canada region only, but is also frequent in interior Alaska and the Yukon Territory. [*Puccinellia deschampsoides*] is restricted to the non-Beringian arctic parts of Canada and in western Greenland, reported as rare in the Central Canada and Hudson-Labrador regions and as scattered in western Greenland. It is well supported as an octoploid. [*Puccinellia rosenkrantzii*] is reported only from western Greenland, as rare and as an octoploid.
- **Puccinellia nuttalliana (Schult.) Hitchc.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Puccinellia kamtschatica Holmb. (GUID: ipni-419066-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**, **WCSP**. A *synonym* of:

- **Puccinellia nutkaensis (J. Presl) Fernald & Weath.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Puccinellia kamtschatica var. sublaevis Holmb. (GUID: trop-25512446). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Puccinellia sublaevis (Holmb.) Tzvelev** according to **WCSP** ; Comments: WCSP
- **Puccinellia sublaevis (Holmb.) Tzvelev** according to **ACCS** ; Comments: ITIS

Puccinellia langeana (Berlin) T.J.Sørensen (GUID: ipni-1005615-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Puccinellia tenella (Lange) Holmb. ex Porsild** according to **WCSP** ; Comments: WCSP

- **Puccinellia tenella subsp. langeana (Berlin) Tzvelev** according to **PAF** ; Comments: Soreng et al. (2003) accepted [Puccinellia langeana]. Tzvelev (PAF proposal and elsewhere), followed by Davis and Consaul (2007), accepted [P. tenella] subsp. [langeana].
- **Puccinellia tenella subsp. langeana (Berlin) Tzvelev** according to **ACCS** ; Comments: Panarctic Flora Checklist

Puccinellia langeana subsp. asiatica T.J.Sørensen (GUID: ipni-1114919-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Puccinellia tenella (Lange) Holmb. ex Porsild** according to **WCSP** ; Comments: WCSP
- **Puccinellia tenella subsp. tenella** according to **PAF** ; Comments:
- **Puccinellia tenella subsp. tenella (Lange) Holmb. ex A.E. Porsild** according to **ACCS** ; Comments: Panarctic Flora Checklist

Puccinellia nutkaensis (J.Presl) Fernald & Weath. (GUID: ipni-1008482-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Puccinellia nuttalliana (Schult.) Hitchc. (GUID: ipni-1076842-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Puccinellia phryganodes (Trin.) Scribn. & Merr. (GUID: ipni-1151372-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Puccinellia phryganodes subsp. neoarctica (Á.Löve & D.Löve) Elven (GUID: ipni-77099603-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Puccinellia phryganodes subsp. phryganodes (GUID: trop-50181177). In Alaska according to **PAF**. An *accepted name* according to **ALA, PAF**.

Puccinellia phryganodes subsp. phryganodes (Trin.) Scribn. & Merr. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Puccinellia phryganodes subsp. sibirica (Hadač & Á.Löve) Elven (GUID: ipni-77099604-1). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Puccinellia phryganodes subsp. sibirica (Trin.) Scribn. & Merr. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Puccinellia pumila (Vasey) Hitchc. (GUID: ipni-419145-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Puccinellia pumila Hitchc. (GUID: ipni-214424-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Puccinellia sibirica Holmb. (GUID: ipni-419164-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Puccinellia nutkaensis (J. Presl) Fernald & Weath.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Puccinellia sublaevis (Holmb.) Tzvelev (GUID: ipni-419170-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Puccinellia tenella (Lange) Holmb. (GUID: ipni-1017986-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Puccinellia tenella (Lange) Holmb. ex Porsild (GUID: kew-438873). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Puccinellia tenella subsp. langeana (Berlin) Tzvelev (GUID: trop-25535047). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Puccinellia tenella (Lange) Holmb. ex Porsild** according to WCSP ; Comments: WCSP

Puccinellia tenella subsp. tenella (GUID: trop-50219934). In Alaska according to PAF. An *accepted name* according to PAF.

Puccinellia tenella subsp. tenella (Lange) Holmb. ex A.E. Porsild (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Puccinellia triflora Swallen (GUID: ipni-419189-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Puccinellia andersonii Swallen** according to WCSP ; Comments: WCSP
- **Puccinellia andersonii Swallen** according to ACCS ; Comments: Panarctic Flora Checklist

Puccinellia vaginata (Lange) Fernald & Weath. (GUID: ipni-1118133-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Puccinellia vaginata var. paradoxa T.J.Sørensen (GUID: ipni-214445-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Puccinellia vaginata (Lange) Fernald & Weath.** according to WCSP ; Comments: WCSP
- **Puccinellia vaginata (Lange) Fernald & Weath.** according to PAF ; Comments:
- **Puccinellia vaginata (Lange) Fernald & Weath.** according to ACCS ; Comments: Panarctic Flora Checklist

Puccinellia vahliana (Liebm.) Scribn. & Merr. (GUID: ipni-419197-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Puccinellia wrightii (Scribn. & Merr.) Tzvelev (GUID: ipni-419201-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Puccinellia wrightii subsp. wrightii (GUID: trop-50140259). In Alaska according to PAF. An *accepted name* according to ALA, PAF.

Puccinellia wrightii subsp. wrightii (Scribn. & Merr.) Tzvelev (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Roegneria villosa V.N.Vassil. (GUID: ipni-419569-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Elymus sajanensis (Nevski) Tzvelev** according to WCSP ; Comments: WCSP
- **Elymus alaskanus subsp. borealis (Turcz.) Á. Löve & D. Löve** according to ACCS ; Comments: Panarctic Flora Checklist

Schedonorus arundinaceus (Schreb.) Dumort. (GUID: ipni-1190051-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA. A *synonym* of:

- **Festuca arundinacea Schreb.** according to WCSP ; Comments: WCSP

Schedonorus pratensis (Huds.) P.Beauv. (GUID: ipni-1203520-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA. A *synonym* of:

- **Festuca pratensis Huds.** according to WCSP ; Comments: WCSP

Schizachne purpurascens (Torr.) Swallen (GUID: trop-25512484). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Scolochloa festucacea (Willd.) Link (GUID: trop-25511479). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Secale cereale L. (GUID: ipni-62825-3). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, FNA, ALA**.

Setaria viridis (L.) P.Beauv. (GUID: ipni-61995-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Sphenopholis intermedia (Rydb.) Rydb. (GUID: trop-25511512). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Stipa hymenoides Roem. & Schult. (GUID: ipni-423402-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Oryzopsis hymenoides (Roem. & Schult.) Ricker ex Piper** according to **WCSP** ; Comments: WCSP
- **Achnatherum hymenoides (Roem. & Schult.) Barkworth** according to **ACCS** ; Comments: ITIS

Torreyochloa pallida (Torr.) Church (GUID: kew-446633). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Torreyochloa pallida (Torr.) G.L.Church (GUID: ipni-255177-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Torreyochloa pallida var. pauciflora (J.Presl) J.I.Davis (GUID: ipni-286251-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Torreyochloa pauciflora (J.Presl) Church (GUID: kew-446638). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Torreyochloa pallida var. pauciflora (J. Presl) J.I. Davis** according to **ACCS** ; Comments: ITIS

Trisetum canescens Buckley (GUID: ipni-425155-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Helictotrichon canescens (Buckley) Clayton** according to **WCSP** ; Comments: WCSP
- **Trisetum cernuum Trin.** according to **ACCS** ; Comments: Q. Skinner

Trisetum cernuum Trin. (GUID: ipni-425162-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Trisetum molle Kunth (GUID: ipni-425299-1). In Alaska according to **ACCS, PAF**. An *accepted name* according to **ACCS, PAF**. A *synonym* of:

- **Trisetum spicatum (L.) K.Richt.** according to **WCSP** ; Comments: WCSP
- **Trisetum spicatum subsp. molle (Michx.) Hultén** according to **ALA** ; Comments: Hultén 1968; Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.

Trisetum montanum Vasey (GUID: ipni-425301-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Trisetum spicatum (L.) K. Richt.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Trisetum sibiricum Rupr. (GUID: ipni-425381-1). In Alaska according to **ACCS, FNA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**. A *synonym* of:

- **Trisetum sibiricum Rupr.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Trisetum sibiricum subsp. litorale Rupr. ex Roshev. (GUID: ipni-50993386-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ALA, ACCS.

Trisetum spicatum (L.) K.Richt. (GUID: ipni-84460-3). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Trisetum spicatum subsp. alaskanum (Nash) Hultén (GUID: ipni-258856-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Trisetum spicatum (L.) K. Richt.** according to PAF ; Comments: The material from Europe (except Iceland) and from the High Arctic is homogeneous and also uniformly counted as tetraploid. We do not accept the entities proposed in the synonymy as independent taxa. Variety [villosissimum] was described from Greenland. Scoggan (1978b) stated that it only was known from its 'type locality' in southern Greenland, but see above where several syntypes from different localities are cited. It seems to be a minor local variant within [T. spicatum] s. str. and we consider the name a synonym. Subspecies [wrangelense] was described from Wrangel Island and has also been reported from East Chukotka. Yurtsev commented that a very similar plant was collected in 1993 on the Seward Peninsula in western Alaska. Murray and Elven studied this western Alaskan material (ALA) which Yurtsev annotated as subsp. [wrangelense]. They found it quite normal for northern [T. spicatum]. Moreover, they compared specimens of subsp. [wrangelense] from Wrangel Island with other high-arctic plants and did not find any difference. We synonymize this name with [T. spicatum] s. str. The amphi-Pacific subsp. [alaskanum] may be more problematic. It is reported to be mainly tetraploid. Tzvelev commented that it morphologically is more similar to the hexaploid subsp. [molle] than to the tetraploid subsp. [spicatum]. We include it provisionally in the synonymy of [T. spicatum] s. str. until its relationships to [T. molle] are resolved.
- **Trisetum spicatum (L.) K. Richt.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Trisetum spicatum (L.) K.Richt.** according to WCSP ; Comments: WCSP

Triticum aestivum L. (GUID: ipni-425536-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Triticum sphaerococcum Percival (GUID: ipni-425942-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Triticum aestivum L.** according to ACCS ; Comments: ITIS

Vahlodea atropurpurea (Wahlenb.) Fr. ex Hartm. (GUID: ipni-1023388-2). In Alaska according to FNA. An *accepted name* according to FNA.

Vahlodea atropurpurea subsp. latifolia (Hook.) A.E.Porsild (GUID: ipni-299304-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Deschampsia atropurpurea (Wahlenb.) Scheele** according to WCSP ; Comments: WCSP
- **Vahlodea latifolia subsp. latifolia (Hook.) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Vahlodea atropurpurea subsp. paramushirensis (Kudô) Hultén (GUID: trop-25512628). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Vahlodea latifolia subsp. paramushirensis (Kudô) Elven** according to ACCS ; Comments: Panarctic Flora Checklist
- **Vahlodea latifolia subsp. paramushirensis (Kudô) Elven** according to PAF ; Comments: Hultén (1942) synonymized ['paramushirensis'], ['flexuosa'], and ['latifolia'] and considered the resulting taxon more closely related to the South American [Vahlodea magellanica] (Hook.f.) Tzvelev than to the amphi-Atlantic [V. atropurpurea].
- **Deschampsia atropurpurea (Wahlenb.) Scheele** according to WCSP ; Comments: WCSP

Vahlodea latifolia (Hook.) Hultén (GUID: ipni-426295-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Deschampsia atropurpurea (Wahlenb.) Scheele** according to **WCSP** ; Comments: **WCSP**

Vahlodea latifolia subsp. latifolia (Hook.) Hultén (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Vahlodea latifolia subsp. paramushirensis (Kudô) Elven (GUID: ipni-77099634-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Vulpia myuros (L.) C.C.Gmel. (GUID: ipni-94872-3). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

× **Duarctopoa labradorica (Steud.) Soreng & L.J.Gillespie** (GUID: ipni-77092455-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

× **Elyhordeum arcuatum W.W.Mitch. & H.J.Hodgs.** (GUID: ipni-288410-2). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

× **Elyhordeum macounii (Vasey) Barkworth & D.R.** (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

× **Elyhordeum pilosilemma (W.W. Mitch. & H.J.)** (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

× **Elyhordeum schaackianum (Bowden) Bowden** (GUID: ipni-288403-2). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

× **Elyleymus aleuticus (Hultén) B.R.Baum** (GUID: ipni-1018036-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Leymus mollis (Trin.) Pilg.** according to **WCSP** ; Comments: **WCSP**

× **Elyleymus colvillensis (Lepage) Barkworth** (GUID: ipni-288400-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- × **Agroelymus colvillensis Lepage** according to **WCSP** ; Comments: **WCSP**

Polemoniaceae

Collomia linearis Nutt. (GUID: ipni-688812-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Gilia achilleifolia Benth. (GUID: ipni-688865-1). In Alaska according to **ACCS, ALA, ACCS**. An *accepted name* according to **WCSP, ACCS, ALA**. A *synonym* of:

- **Gilia achilleifolia Benth.** according to **ACCS** ; Comments: **ITIS**

Gilia capitata Sims (GUID: ipni-688915-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Gilia capitata subsp. capitata Sims (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Microsteris gracilis (Hook.) Greene (GUID: ipni-160572-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Microsteris gracilis Greene (GUID: ipni-689452-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Microsteris gracilis var. gracilis (Hook.) Greene (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Phlox alaskensis Jordal (GUID: ipni-689644-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Phlox borealis Wherry (GUID: ipni-689667-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Phlox alaskensis Jordal** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Phlox alaskensis Jordal** according to **ACCS** ; Comments: Panarctic Flora Checklist

Phlox hoodii Richardson (GUID: ipni-689752-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Phlox richardsonii Hook. (GUID: ipni-689835-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Phlox hoodii Richardson** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Phlox hoodii Richardson** according to **PAF** ; Comments: Murray: Porsild (1966) felt there was, in addition to [Phlox alaskensis], a single, variable taxon in Alaska, the Yukon Territory, and elsewhere in arctic Canada and he chose the name [P. richardsonii]. I agree there is one taxon but see no reason not to use the name [P. hoodii]. When specimens are examined from the area where only [P. hoodii] is found (Wyoming), it is possible to see within a series the full range of morphs of what passes for [P. hoodii] and [P. richardsonii]. The differences among specimens are the kinds one would expect from environmental modifications. The extremes are distinct but linked by numerous transitional forms. The essential architecture of the leaves, upon which the taxonomy is heavily based, is unchanged whether growth is lax or condensed or the leaves long or short. Good [P. hoodii] occurs on terraces of the Porcupine River (northeastern Alaska) in open stands of white spruce, and good [P. richardsonii] grows just meters away on the steep, dry slopes above. Plants in arctic parts of the Northwest Territories are indistinguishable from those in alpine parts of the Yukon Territory.

Phlox sibirica subsp. sibirica (GUID: trop-25800591). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Phlox alaskensis Jordal** according to **ACCS** ; Comments: Panarctic Flora Checklist

Polemonium acutiflorum Willd. (GUID: ipni-689898-1). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Polemonium acutiflorum Willd. ex Roem. & Schult. (GUID: trop-25800011). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Polemonium boreale Adams (GUID: ipni-204962-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, WCSP, ALA, ACCS**.

Polemonium boreale subsp. boreale (GUID: trop-25800061). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Polemonium boreale subsp. macranthum (Cham.) Hultén (GUID: ipni-204964-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Polemonium boreale M.F. Adams** according to **ACCS** ; Comments: Panarctic Flora Checklist

Polemonium pulcherrimum Hook. (GUID: ipni-690011-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Polemonium pulcherrimum subsp. lindleyi (Wherry) V.E.Grant (GUID: ipni-283458-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Polemonium pulcherrimum subsp. pulcherrimum (GUID: NULL). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Polemonium pulcherrimum subsp. pulcherrimum Hook. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Polemonium villosissimum (Hultén) D.F.Murray (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Polemonium villosissimum (Hultén) D.F.Murray & Elven (GUID: ipni-60456691-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Polygonaceae

Aconogonon alaskanum (Small) Soják (GUID: trop-26001987). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Persicaria alpina (All.) H.Gross** according to **WCSP** ; Comments: **WCSP**

Aconogonon alaskanum (W.Wight ex Harshb.) Soják (GUID: ipni-3433-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Aconogonon alaskanum var. alaskanum (GUID: trop-50117663). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, FNA**.

Aconogonon alaskanum var. alaskanum (W. Wight ex Harshb.) Soják (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Aconogonon alaskanum var. glabrescens (Hultén) H.R.Hinds (GUID: ipni-1139062-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Aconogonon alaskanum (W.Wight ex Hultén) Sojak** according to **ALA** ; Comments: **FNA 5; Flora of North America, vol. 5**
- **Persicaria alpina (All.) H.Gross** according to **WCSP** ; Comments: **WCSP**

Bistorta plumosa (Small) Greene (GUID: ipni-33323-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Persicaria bistorta (L.) Samp.** according to **WCSP** ; Comments: **WCSP**

Bistorta vivipara (L.) Delarbre (GUID: ipni-1098160-2). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**. A *synonym* of:

- **Persicaria vivipara (L.) Ronse Decr.** according to **WCSP** ; Comments: **WCSP**

Bistorta vivipara (L.) Gray (GUID: ipni-1098880-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Eriogonum flavum Nutt. (GUID: ipni-694160-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS, WCSP**. A *synonym* of:

- **Eriogonum flavum Nutt. ex Benth.** according to **WCSP** ; Comments: **WCSP**

Eriogonum flavum var. aquilinum Reveal (GUID: ipni-94962-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Fagopyrum esculentum Moench (GUID: ipni-694526-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Fallopia convolvulus (L.) Á.Löve (GUID: ipni-103354-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, ALA, ACCS, FNA**.

Fallopia japonica (Houtt.) Ronse Decr. (GUID: ipni-945906-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Reynoutria japonica Houtt.** according to **WCSP** ; Comments: WCSP

Fallopia japonica var. japonica (GUID: trop-50009151). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Fallopia sachalinensis (F.Schmidt) Ronse Decr. (GUID: ipni-945905-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Fallopia × bohémica (Chrték & Chrtková) J.P.Bailey (GUID: ipni-946920-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Reynoutria × bohémica Chrték & Chrtková** according to **WCSP** ; Comments: WCSP

Koenigia islandica L. (GUID: ipni-133752-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Oxyria digyna (L.) Hill (GUID: trop-26000047). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Persicaria amphibia (L.) Gray (GUID: ipni-694907-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Persicaria amphibia subsp. laevimarginata (Hult.) Soják (GUID: ipni-888552-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Persicaria hydropiper (L.) Opiz (GUID: trop-26000052). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Persicaria hydropiper (L.) Spach (GUID: ipni-123908-3). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Persicaria hydropiperoides (Michx.) Small (GUID: trop-26001079). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Persicaria lapathifolia (L.) Gray (GUID: ipni-123947-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Persicaria maculata (Raf.) Gray (GUID: trop-26000053). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Persicaria maculosa Gray** according to **ACCS** ; Comments: Flora of North America

Persicaria maculosa Gray (GUID: ipni-695052-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Persicaria pennsylvanica Small (GUID: kew-2572571). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Persicaria pensylvanica (L.) M.Gómez (GUID: ipni-1081288-2). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Persicaria vivipara (L.) Ronse Decr. (GUID: ipni-945901-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Bistorta vivipara (L.) Delarbre** according to PAF ; Comments:
- **Bistorta vivipara (L.) Gray** according to ACCS ; Comments: Panarctic Flora Checklist

Persicaria wallichii Greuter & Burdet, Willd. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Polygonum achoreum S.F.Blake (GUID: ipni-695300-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Polygonum aviculare L. (GUID: ipni-695422-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Polygonum aviculare subsp. aviculare (GUID: trop-50186216). In Alaska according to ALA, FNA, ACCS. An *accepted name* according to FNA. A *synonym* of:

- **Polygonum aviculare L.** according to ALA ; Comments: FNA 5; Flora of North America, vol. 5
- **Polygonum aviculare L.** according to ACCS ; Comments: Flora of North America

Polygonum aviculare subsp. buxiforme (Small) Costea & Tardif (GUID: ipni-1220332-2). In Alaska according to ACCS, FNA, ALA. An *accepted name* according to FNA. A *synonym* of:

- **Polygonum aviculare L.** according to ACCS ; Comments: Flora of North America
- **Polygonum aviculare L.** according to ALA ; Comments:

Polygonum aviculare subsp. depressum (Meisn.) Arcang. (GUID: ipni-60433643-2). In Alaska according to ALA, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Polygonum aviculare L.** according to ALA ; Comments:

Polygonum aviculare subsp. neglectum (Besser) Arcang. (GUID: ipni-60433641-2). In Alaska according to ALA, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Polygonum aviculare L.** according to ALA ; Comments:
- **Polygonum neglectum Besser** according to PAF ; Comments: [Polygonum neglectum] is adventive in the north. It may reach the Arctic in Norway (borderline in two communities), has been found in the Borderline Arctic in northern Alaska (ALA), and is reported as [P. arenastrum] from several arctic localities in Canada (Scoggan 1978c). The name [P. arenastrum] Boreau 1857 has often been applied to northern plants. Wolf and McNeill (1987) considered [P. arenastrum] different from [P. neglectum], a view shared (at level of subspecies) by Karlsson (1997, 2000c) who synonymized [P. arenastrum] with [P. aviculare] subsp. [microspermum]. Tzvelev (2000a and in comment) considered subsp. [microspermum] (as [P. calcatum] Lindm. 1904) different from [P. arenastrum].
- **Polygonum aviculare L.** according to WCSP ; Comments: WCSP

Polygonum fowleri B.L.Rob. (GUID: ipni-695758-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Polygonum fowleri subsp. fowleri (GUID: trop-50239171). In Alaska according to ALA. An *accepted name* according to ALA.

Polygonum fowleri subsp. fowleri B.L. Rob. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Polygonum fowleri subsp. fowleri Fowler's knotweed (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Polygonum humifusum C.Merck ex K.Koch (GUID: ipni-70029668-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Polygonum humifusum subsp. caurianum (B.L.Rob.) Costea & Tardif (GUID: ipni-1133670-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Polygonum humifusum subsp. humifusum** according to PAF ; Comments:
- **Polygonum humifusum subsp. humifusum C. Merck ex K. Koch** according to ACCS ; Comments: Panarctic Flora Checklist

Polygonum humifusum subsp. humifusum (GUID: trop-50239172). In Alaska according to PAF. An *accepted name* according to PAF.

Polygonum humifusum subsp. humifusum C. Merck ex K. Koch (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Polygonum humifusum taxon canadian_race (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Polygonum microspermum Jord. ex Boreau (GUID: ipni-696071-1). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Polygonum arenastrum Boreau** according to WCSP ; Comments: WCSP

Polygonum minimum S.Watson (GUID: ipni-696078-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Polygonum neglectum Besser (GUID: ipni-696123-1). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Polygonum aviculare L.** according to WCSP ; Comments: WCSP
- **Polygonum aviculare subsp. neglectum (Besser) Arcangeli** according to FNA ; Comments: FNA

Polygonum prolificum (Small) B.L.Rob. (GUID: ipni-206358-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Polygonum ramosissimum var. prolificum Small** according to ACCS ; Comments: Flora of North America

Polygonum ramosissimum Michx. (GUID: ipni-696331-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Polygonum ramosissimum var. prolificum Small (GUID: ipni-206383-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Polygonum ramosissimum var. ramosissimum Michx. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Reynoutria japonica Houtt. (GUID: ipni-55448-3). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Fallopia japonica (Houtt.) Ronse Decr.** according to ACCS ; Comments: Flora of North America

Rheum rhabarbarum L. (GUID: ipni-301818-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Rumex acetosa L. (GUID: ipni-145001-3). In Alaska according to ACCS, FNA. An *accepted name* according to WCSP, ACCS, FNA.

Rumex acetosa subsp. acetosa (GUID: trop-26001390). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Rumex acetosella L. (GUID: ipni-145048-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Rumex acetosella subsp. **acetosella** (GUID: trop-26000098). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Rumex acetosella** L. according to **ACCS** ; Comments: Flora of North America

Rumex acetosella subsp. **angiocarpus** (Murb.) Murb. (GUID: trop-26001147). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Rumex acetosella** L. according to **ALA** ; Comments: FNA 5; Flora of North America, vol. 5
- **Rumex acetosella** L. according to **ACCS** ; Comments: Flora of North America

Rumex alpestris Jacq. (GUID: ipni-696857-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Rumex lapponicus** (Hiitonen) Czern. according to **ACCS** ; Comments: Panarctic Flora Checklist

Rumex alpestris subsp. **lapponicus** (Hiitonen) Jalas (GUID: ipni-888618-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Rumex lapponicus** (Hiitonen) Czernov according to **PAF** ; Comments: Rechinger and Akeroyd (1993b) accepted [*Rumex acetosa*] L. and [*R. alpestris*] Jacq. as two species, the latter described from the Austrian mountains ('In alpibus Vochinensibus' [Kärnten]). They assigned [*R. lapponicus*] to [*R. alpestris*] as a subspecies. However, Pestova (1998) concluded that [*R. alpestris*] is a synonym of [*R. scutatus*] L., a central European mountain plant quite distant from the [*R. acetosa*] group. The priority species name for what traditionally has been named [*R. alpestris*] is then [*R. arifolius*] All., described from the western Alps. The main diagnostic character given by Rechinger and Akeroyd is the entire ochrea in their [*R. 'alpestris'*] (including [*R. lapponicus*]) vs. the fimbriate one in [*R. acetosa*] (including subsp. [*islandicus*]) but there are several additional characters in blade shape and inflorescence. The choice is between rank of species or race. However, we have not found a subspecific combination of ['lapponicus'] within [*R. arifolius*]. Nilsson (2000), with a Nordic viewpoint, assigned [*R. lapponicus*] to [*R. acetosa*] as a subspecies, whereas Mosyakin (2005) accepted [*R. lapponicus*] besides [*R. acetosa*] s. str. This matter was discussed by Swietlinska (1963) and Hylander (1966) with reference to central European (['arifolius']) and Nordic (['lapponicus']) mountain plants, respectively. Transitions between [*R. acetosa*] s. str. and [*R. arifolius*-*R. lapponicus*] are not rare but they have at least partly aborting fruits. This supports treatment of [*R. arifolius*-*R. lapponicus*] at specific rank. Another question is whether the Fennoscandian ['lapponicus'] and the central European ['arifolius'] are the same. Hiitonen (1933), based on northeastern Fennoscandian plants, found them different. Tolmachev (1966b) supported that conclusion when he wrote: 'So far as can be judged from the limited material of the latter species [[*R. arifolius*] All.] (originating mainly from the Carpathians and Tatra) available . . . , Central European alpine plants are more robust than northern plants; their leaves often have a cordate base with the lobes obtusish or sometimes rounded; the branches of the inflorescence are often distinctly further branched. I have not found in the north any plants that might completely duplicate the structure and appearance of Central European alpine sorrel.' [translated in Tolmachev et al. 2000]. This conclusion of Tolmachev and Hiitonen might have been different if they had included plants from northwestern Scandinavia in their study. Plants in the tall-herb vegetation in the forest belt of the mountain valleys of northern Norway and northwestern Sweden are characterized by tall growth (often 1.5 m or taller), stem leaves numerous, very large, broad and thin, with cordate base and rounded lobes, ochreas entirely entire, and inflorescence regularly twice branched. Even if Nilsson (2000: 291) stated that there are some differences from central European plants,

'e.g. shape and texture of leaves and ochreas', I cannot see them when comparing such northwestern Scandinavian plants with central European ones. My conclusion is that the variation is larger among the northern plants of [R. acetosa] s. lat. than among the central European ones but that the ['arifolius'] morphology of central European plants is found as a morphologically and eco-geographically distinct part of the variation pattern in the north. I have no idea whether this is due to introgression in the Fennoscandian region between two races immigrating in postglacial times from, respectively, south and east, which certainly is possible among these perhaps partly interfertile plants. From northern European evidence, then, ['arifolius'] and ['lapponicus'] are closer, at least morphologically, than are these two to [R. acetosa] s. str. Treatment as two subspecies of [R. arifolius] is an alternative. The Scandinavian plants that closely approach or are identical with central European [R. arifolius] are non-arctic. Tolmachev (1966b) accepted [R. lapponicus] from northern European Russia east to the Urals and tentatively from scattered localities farther eastwards in Siberia and to the Koryak coast. He also suggested that: 'Possibly, the non-introduced plants of ['R. acetosa] ssp. [alpestris'] from coastal and inland districts of Alaska discussed by Hultén . . . are identical with our Koryakian plants and, if so, should be considered to belong to [R. acetosa] ssp. [lapponicus].' Our field and herbarium (ALA) experiences with Alaskan plants give support to Tolmachev's opinion. A major part of the Alaskan plants corresponds morphologically with the northern European [R. lapponicus] (see also the illustrations in Hultén 1968a and Cody 1996) but not with the central European and possibly northwestern Scandinavian [R. arifolius] (compare with central European illustrations). The connection between the Asian and American plants of [R. lapponicus] is Pacific (Aleutian) rather than Beringian. Similar plants are missing from Chukotka north of the Koryak area where they are replaced by [R. pseudoxyria] (see below).

- **Rumex lapponicus (Hiitonen) Czernov in B. N. Gorodkov and A. I. Pojarkova** according to FNA ; Comments: FNA
- **Rumex lapponicus (Hiitonen) Czern.** according to ACCS ; Comments: Panarctic Flora Checklist

Rumex arcticus Trautv. (GUID: ipni-696890-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Rumex aquaticus subsp. arcticus (Trautv) Hiitonen** according to WCSP ; Comments: WCSP

Rumex aureostigmaticus Kom. (GUID: trop-26002493). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Rumex beringensis Jurtzev & V.V.Petrovsky (GUID: ipni-696929-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Rumex crispus L. (GUID: ipni-145314-3). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Rumex fueginus Phil. (GUID: ipni-224432-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Rumex graminifolius Rudolph ex Lamb. (GUID: trop-26000188). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Rumex krausei Jurtzev & V.V.Petrovsky (GUID: ipni-224448-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Rumex lapponicus (Hiitonen) Czernov (GUID: ipni-697248-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Rumex alpestris subsp. lapponicus (Hiitonen) Jalas** according to WCSP ; Comments: WCSP

Rumex longifolius DC. (GUID: ipni-697266-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Rumex maritimus L. (GUID: ipni-300184-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, FNA. A *synonym* of:

- **Rumex fueginus** Phil. according to ACCS ; Comments: Flora of North America

Rumex maritimus subsp. maritimus (GUID: trop-26001400). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Rumex fueginus** Phil. according to ACCS ; Comments: Flora of North America

Rumex mexicanus Meisn. (GUID: ipni-697304-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Rumex sibiricus** Hultén according to ACCS ; Comments: Panarctic Flora Checklist

Rumex obtusifolius L. (GUID: ipni-145733-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Rumex occidentalis S.Watson (GUID: ipni-697354-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Rumex occidentalis subsp. fenestratus (Greene) Hultén (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Rumex occidentalis** S. Watson according to FNA ; Comments: FNA

Rumex pseudoxyria (Tolm.) (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Rumex pseudoxyria A.P. Khokhr. (GUID: trop-26002558). In Alaska according to ACCS. An *accepted name* according to ACCS.

Rumex sibiricus Hultén (GUID: ipni-697501-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Rumex transitorius Rech.f. (GUID: ipni-224513-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Rumex triangulivalvis (Danser) Rech.f. (GUID: ipni-697572-1). In Alaska according to ALA. An *accepted name* according to ALA.

Polypodiaceae

Polypodium glycyrrhiza D.C.Eaton (GUID: ipni-17189950-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Polypodium sibiricum Sipliv. (GUID: ipni-17450630-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Potamogetonaceae

Potamogeton alpinus Balb. (GUID: ipni-603113-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Potamogeton alpinus subsp. tenuifolius (Raf.) Hultén (GUID: ipni-208742-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS. A *synonym* of:

- **Potamogeton alpinus Balbis** according to FNA ; Comments: FNA
- Potamogeton berchtoldii Fieber** (GUID: ipni-603133-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS. A *synonym* of:
- **Potamogeton pusillus subsp. tenuissimus (Mertens & W. D. J. Koch) R. R. Haynes & Hellquist** according to FNA ; Comments: FNA
- Potamogeton epihydrus Raf.** (GUID: ipni-30070809-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Potamogeton foliosus Raf.** (GUID: ipni-603224-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.
- Potamogeton foliosus subsp. foliosus** (GUID: trop-50081464). In Alaska according to FNA, ACCS. An *accepted name* according to FNA, ACCS. A *synonym* of:
- **Potamogeton foliosus Raf.** according to WCSP ; Comments: WCSP
- Potamogeton friesii Rupr.** (GUID: ipni-208813-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Potamogeton gramineus L.** (GUID: ipni-323120-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Potamogeton natans L.** (GUID: ipni-208872-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Potamogeton obtusifolius Mert. & W.D.J.Koch** (GUID: ipni-208883-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.
- Potamogeton perfoliatus L.** (GUID: ipni-71852-3). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.
- Potamogeton perfoliatus subsp. richardsonii (A.Benn.) Hultén** (GUID: ipni-208904-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:
- **Potamogeton richardsonii (A.Benn.) Rydb.** according to WCSP ; Comments: WCSP
 - **Potamogeton richardsonii (A.Bennett) Rydb.** according to ALA ; Comments: FNA vol. 22
 - **Potamogeton richardsonii (A. Bennett) Rydberg** according to FNA ; Comments: FNA
- Potamogeton praelongus Wulf** (GUID: ipni-208912-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Potamogeton pusillus L.** (GUID: ipni-208919-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.
- Potamogeton pusillus subsp. pusillus** (GUID: trop-50081461). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Potamogeton pusillus L.** according to ACCS ; Comments: Panarctic Flora Checklist
- Potamogeton pusillus subsp. tenuissimus (Mert. & W.D.J.Koch) R.R.Haynes & Hellq.** (GUID: ipni-993237-1). In Alaska according to ALA, FNA. An *accepted name* according to FNA. A *synonym* of:
- **Potamogeton berchtoldii Fieber** according to ALA ; Comments: Elven, R. et al. 2003
 - **Potamogeton berchtoldii Fieber** according to PAF ; Comments: Greenland is omitted. All studied Greenland specimens annotated as [Potamogeton berchtoldii] (or rather as [P. pusillus]) have been re-identified as [P. groenlandicus].

Potamogeton richardsonii (A.Benn.) Rydb. (GUID: ipni-1006033-2). In Alaska according to FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Potamogeton perfoliatus subsp. richardsonii (A. Benn.) Hultén** according to PAF ;
Comments:

Potamogeton richardsonii Rydb. (GUID: ipni-208942-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Potamogeton perfoliatus subsp. richardsonii (Benn.) Hultén** according to ACCS ;
Comments: Panarctic Flora Checklist

Potamogeton robbinsii Oakes (GUID: ipni-603391-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Potamogeton subsibiricus Hagstr. (GUID: ipni-699817-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Potamogeton sibiricus A.Benn.** according to WCSP ; Comments: WCSP

Potamogeton zosteriformis Fernald (GUID: ipni-699835-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA. A *synonym* of:

- **Potamogeton compressus L.** according to WCSP ; Comments: WCSP

Stuckenia filiformis (Pers.) Börner (GUID: ipni-51015154-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Stuckenia filiformis subsp. alpina (Blytt) R. R. Haynes (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Stuckenia filiformis subsp. borealis (Raf.) Tzvelev & Elven (GUID: ipni-77099596-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Stuckenia pectinata (L.) Börner** according to WCSP ; Comments: WCSP

Stuckenia filiformis subsp. filiformis (GUID: trop-50113910). In Alaska according to FNA. An *accepted name* according to ALA, FNA.

Stuckenia filiformis subsp. occidentalis (J. W. Robbins) R. R. Haynes (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Stuckenia filiformis subsp. occidentalis (J.W. Robbins) Haynes, D.H. Les & M. Kral (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Stuckenia filiformis subsp. occidentalis (J.W.Robbins) R.R.Haynes, Les & M.Král (GUID: ipni-1003796-1). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Stuckenia filiformis (Pers.) Börner** according to WCSP ; Comments: WCSP

Stuckenia pectinata (L.) Börner (GUID: ipni-77099639-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Stuckenia subretusa (Hagstr.) Holub (GUID: ipni-996843-1). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Stuckenia vaginata (Turcz.) Holub** according to WCSP ; Comments: WCSP

Stuckenia vaginata (Turcz.) Holub (GUID: ipni-914662-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Zannichellia palustris L. (GUID: ipni-100695-3). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Zannichellia palustris subsp. palustris (GUID: trop-26300008). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Zannichellia palustris** L. according to WCSP ; Comments: WCSP

Primulaceae

Androsace alaskana Coville & Standl. ex Hultén (GUID: ipni-13135-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Douglasia alaskana (Coville & Standl. ex Hultén) S.Kelso** according to ALA ; Comments: Kelso 1992; Kelso 1992; Kelso, S. 1992. Conspectus of the genus Douglasia (Primulaceae) with comments on Douglasia alaskana, an Alaska-Yukon alpine endemic. Can. J. Bot. 70:593-596.
- **Douglasia alaskana (Coville & Standl. ex Hultén) S. Kelso** according to PAF ; Comments:
- **Douglasia alaskana (Coville & Standl. ex Hultén) S. Kelso** according to ACCS ; Comments: Panarctic Flora Checklist
- **Douglasia alaskana (Coville & Standley ex Hultén) S. Kelso** according to FNA ; Comments: FNA

Androsace chamaejasme Wulfen (GUID: ipni-700224-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Androsace chamaejasme subsp. andersonii (Hultén) Hultén (GUID: ipni-13144-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Androsace chamaejasme subsp. lehmanniana (Spreng.) Hultén (GUID: ipni-13150-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Androsace lehmanniana Spreng.** according to WCSP ; Comments: WCSP
- **Androsace chamaejasme subsp. andersonii Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Androsace lehmanniana Spreng. (GUID: ipni-13160-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Androsace chamaejasme subsp. andersonii Hultén** according to ACCS ; Comments: Panarctic Flora Checklist
- **Androsace chamaejasme subsp. lehmanniana (Sprengel) Hultén** according to FNA ; Comments: FNA

Androsace septentrionalis L. (GUID: ipni-13171-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Dodecatheon frigidum Cham. & Schltld. (GUID: ipni-700895-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Dodecatheon jeffreyi Van Houtte (GUID: ipni-700902-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Dodecatheon pulchellum (Raf.) Merr. (GUID: ipni-82704-2). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Dodecatheon pulchellum subsp. macrocarpum (A.Gray) R.L.Taylor & MacBryde (GUID: ipni-1198399-2). In Alaska according to ALA. An *accepted name* according to ALA, WCSP.

Dodecatheon pulchellum subsp. macrocarpum (A.Gray) Roy L.Taylor & MacBryde (GUID: ipni-82711-2). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Dodecatheon pulchellum var. macrocarpum (A. Gray) Reveal** according to FNA ; Comments: FNA

Dodecatheon pulchellum subsp. pulchellum (GUID: trop-26400405). In Alaska according to ALA. An *accepted name* according to ALA.

Dodecatheon pulchellum subsp. pulchellum (Raf.) Merr. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Dodecatheon pulchellum var. macrocarpum (A.Gray) Reveal (GUID: ipni-60445235-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Dodecatheon pulchellum subsp. macrocarpum (A.Gray) R.L.Taylor & MacBryde** according to ALA ; Comments: FNA vol. 8
- **Dodecatheon pulchellum subsp. macrocarpum (A.Gray) R.L.Taylor & MacBryde** according to WCSP ; Comments: WCSP
- **Dodecatheon pulchellum subsp. macrocarpum (A. Gray) Roy L. Taylor & MacBryde** according to ACCS ; Comments: D.F. Murray

Dodecatheon pulchellum var. pulchellum (GUID: trop-26400329). In Alaska according to ALA, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Dodecatheon pulchellum subsp. pulchellum** according to ALA ; Comments: FNA vol. 8

Douglasia alaskana (Coville & Standl. ex Hultén) S.Kelso (GUID: ipni-963916-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Androsace alaskana Coville & Standl. ex Hultén** according to WCSP ; Comments: WCSP

Douglasia arctica Hook. (GUID: ipni-700952-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Androsace americana Wendelbo** according to WCSP ; Comments: WCSP

Douglasia beringensis S. Kelso (GUID: NULL). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Douglasia beringensis S.Kelso, Jurtzev & D.F.Murray (GUID: ipni-980720-1). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Androsace beringensis (S.Kelso, Jurtzev & D.F.Murray) Cubey** according to WCSP ; Comments: WCSP

Douglasia gormanii Constance (GUID: ipni-83317-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Androsace constancei Wendelbo** according to WCSP ; Comments: WCSP

Douglasia ochotensis (Roem. & Schult.) Hultén (GUID: ipni-30043458-2). In Alaska according to FNA. An *accepted name* according to FNA.

Douglasia ochotensis (Willd.) Hultén (GUID: kew-2776097). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Androsace ochotensis Willd. ex Roem. & Schult.** according to WCSP ; Comments: WCSP

Glaux maritima L. (GUID: ipni-110677-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Lysimachia maritima (L.) Galasso, Banfi & Soldano** according to **WCSP** ; Comments: WCSP
- **Lysimachia maritima (L.) Galasso, Banfi & Soldano** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Lysimachia maritima (Linnaeus) Galasso** according to **FNA** ; Comments: FNA

Lysimachia ciliata L. (GUID: ipni-701077-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Lysimachia maritima (L.) Galasso, Banfi & Soldano (GUID: ipni-77068343-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Lysimachia maritima (Linnaeus) Galasso (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Lysimachia nummularia L. (GUID: ipni-701260-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Lysimachia thyrsoflora L. (GUID: ipni-148161-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Primula anvilensis S.Kelso (GUID: ipni-931665-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Primula borealis Duby (GUID: ipni-210182-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Primula cuneifolia Ledeb. (GUID: ipni-701781-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Primula cuneifolia subsp. cuneifolia (GUID: trop-26400335). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Primula cuneifolia subsp. cuneifolia Ledeb. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Primula cuneifolia subsp. saxifragifolia (Lehm.) W.W.Sm. & Forrest (GUID: ipni-210196-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **WCSP, ALA, PAF, ACCS, FNA**.

Primula egaliksensis Wormsk. (GUID: ipni-30019545-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **WCSP, ALA, PAF, ACCS, FNA**.

Primula incana M.E.Jones (GUID: ipni-702079-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Primula mistassinica Michx. (GUID: ipni-702284-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Primula nutans Georgi (GUID: ipni-702337-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Primula nutans subsp. nutans (GUID: trop-26400034). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Primula nutans subsp. nutans Georgi (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Primula pumila (Ledeb.) Pax (GUID: ipni-30320042-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Primula tschuktschorum Kjellm. (GUID: ipni-30085648-2). In Alaska according to **PAF, ACCS, ALA, FNA**. An *accepted name* according to **PAF, ACCS, ALA, FNA**.

Trientalis europaea L. (GUID: ipni-30062206-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**. A *synonym* of:

- **Lysimachia europaea (L.) U.Manns & Anderb.** according to **WCSP** ; Comments: WCSP

Trientalis europaea subsp. arctica (Fisch. ex Hook.) Hultén (GUID: ipni-1141871-2). In Alaska according to **ACCS, ALA, PAF**. An *accepted name* according to **ACCS, ALA, PAF**. A *synonym* of:

- **Trientalis europaea Linnaeus** according to **FNA** ; Comments: FNA

Trientalis europaea subsp. europaea (GUID: trop-26400103). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Pteridaceae

Adiantum aleuticum (Rupr.) (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Adiantum aleuticum (Rupr.) C.A.Paris (GUID: ipni-17546720-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Adiantum aleuticum (Rupr.) Paris (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Adiantum pedatum L. (GUID: ipni-17012140-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Adiantum aleuticum (Rupr.) Paris** according to **ACCS** ; Comments: Flora of North America

Cryptogramma acrostichoides R.Br. (GUID: ipni-17070900-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Cryptogramma sitchensis (Rupr.) T.Moore (GUID: ipni-17071030-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Cryptogramma stelleri (S.G.Gmel.) Prantl (GUID: ipni-71734-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Ranunculaceae

Aconitum delphinifolium subsp. chamissonianum (Rchb.) Hultén (GUID: ipni-3378-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Aconitum delphinifolium DC.** according to **WCSP** ; Comments: WCSP
- **Aconitum delphiniifolium de Candolle** according to **FNA** ; Comments: FNA

Aconitum delphinifolium subsp. chamissonianum (Rchb.) Hultén & H.St.John (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Aconitum delphinifolium var. paradoxum (Rchb.) Jurtzev (GUID: ipni-3384-2). In Alaska according to **PAF**. An *accepted name* according to **PAF**. A *synonym* of:

- **Aconitum paradoxum** Rchb. according to **WCSP** ; Comments: **WCSP**
- Aconitum delphiniifolium** DC. (GUID: ipni-707308-1). In Alaska according to **ACCS, PAF, FNA**. An *accepted name* according to **ACCS, ALA, PAF, WCSP, FNA**.
- Aconitum delphiniifolium subsp. delphiniifolium** (GUID: trop-27101485). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.
- Aconitum delphiniifolium subsp. paradoxum (Rchb.) Hultén** (GUID: trop-27100718). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:
- **Aconitum delphiniifolium de Candolle** according to **FNA** ; Comments: **FNA**
- Aconitum maximum** Pall. ex DC. (GUID: ipni-707574-1). In Alaska according to **ACCS, ALA**. An *accepted name* according to **WCSP, ACCS, ALA**.
- Aconitum maximum subsp. maximum** (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.
- Aconitum nivatum** A.Nelson (GUID: ipni-707639-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:
- **Aconitum columbianum** Nutt. according to **WCSP** ; Comments: **WCSP**
 - **Aconitum delphiniifolium subsp. paradoxum (Rchb.) Hultén** according to **ACCS** ; Comments: **Panarctic Flora Checklist**
- Actaea rubra (Aiton) Willd.** (GUID: ipni-1082557-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.
- Actaea rubra subsp. arguta (Nutt.) Hultén** (GUID: ipni-1049203-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:
- **Actaea rubra (Aiton) Willd.** according to **ALA** ; Comments: **FNA 3; Flora of North America volume 3**
 - **Actaea rubra (Aiton) Willd.** according to **WCSP** ; Comments: **WCSP**
 - **Actaea rubra (Aiton) Willdenow** according to **FNA** ; Comments: **FNA**
- Actaea rubra subsp. rubra (Aiton) Willd.** (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.
- Anemone drummondii var. lithophila (Rydb.) C.L.Hitchc.** (GUID: ipni-13423-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, FNA**. A *synonym* of:
- **Anemone lithophila** Rydb. according to **WCSP** ; Comments: **WCSP**
 - **Anemone lithophila** Rydb. according to **PAF** ; Comments: [**Anemone drummondii**] S. Watson, Bot. California 2: 424 (1880), was described from California (U.S.A.), is amphi-Pacific, and is hexaploid: [48 (6x)] - Heimbürger (1959, 1961, 1962). The name [**A. drummondii**] subsp. [heimburgeri] Á. Löve & D. Löve has been misapplied for [**A. lithophila**], see [**A. multiceps**]. Elven and Murray: Differences in shape and pubescence characters are reported between the Californian [**A. drummondii**] s. str. and the Cordilleran [**A. lithophila**]. Californian and Cordilleran (incl. Alaskan) plants are morphologically distinctly different. They are also reported with different chromosome numbers (but opposite to what was reported by Dutton et al. 1997) and seem to be allopatric.
 - **Anemone lithophila** Rydb. according to **ACCS** ; Comments: **Panarctic Flora Checklist**
- Anemone lithophila** Rydb. (GUID: ipni-13440-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, WCSP, ACCS**. A *synonym* of:

- **Anemone drummondii var. lithophila (Rydberg) C. L. Hitchcock** according to FNA ;
Comments: FNA
- Anemone multiceps (Greene) Standl.** (GUID: trop-27100031). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Anemone multifida Poir.** (GUID: ipni-708505-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.
- Anemone multifida var. hudsoniana DC.** (GUID: ipni-13447-2). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Anemone multifida Poir.** according to ACCS ; Comments: Panarctic Flora Checklist
- Anemone multifida var. multifida** (GUID: trop-27101457). In Alaska according to FNA. An *accepted name* according to FNA.
- Anemone multifida var. saxicola B.Boivin** (GUID: ipni-13454-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:
- **Anemone multifida Poir.** according to ALA ; Comments: Elven, R. et al. 2003
 - **Anemone multifida Poir.** according to ACCS ; Comments: Panarctic Flora Checklist
- Anemone narcissiflora L.** (GUID: ipni-708511-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:
- **Anemone sibirica L.** according to ACCS ; Comments: Panarctic Flora Checklist
- Anemone narcissiflora subsp. alaskana Hultén** (GUID: ipni-13459-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Anemone sibirica L.** according to ALA ; Comments: Elven, R. et al. 2003
 - **Anemone sibirica L.** according to ACCS ; Comments: Panarctic Flora Checklist
 - **Anemone narcissiflora var. monantha de Candolle** according to FNA ; Comments: FNA
- Anemone narcissiflora subsp. villosissima (DC.) Hultén** (GUID: ipni-13470-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:
- **Anemone villosissima (DC.) Juz.** according to ALA ; Comments: Elven, R. et al. 2003
 - **Anemone villosissima (DC.) Juz.** according to ACCS ; Comments: Panarctic Flora Checklist
 - **Anemone narcissiflora var. villosissima de Candolle** according to FNA ; Comments: FNA
- Anemone narcissiflora var. monantha DC.** (GUID: ipni-13464-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:
- **Anemone sibirica L.** according to ALA ; Comments: Elven, R. et al. 2003
 - **Anemone narcissiflora L.** according to WCSP ; Comments: WCSP
 - **Anemone sibirica L.** according to ACCS ; Comments: Panarctic Flora Checklist
- Anemone narcissiflora var. villosissima DC.** (GUID: ipni-13469-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:
- **Anemone narcissiflora subsp. villosissima (DC.) Hultén** according to WCSP ; Comments: WCSP
 - **Anemone villosissima (DC.) Juz.** according to ACCS ; Comments: Panarctic Flora Checklist
- Anemone parviflora Michx.** (GUID: ipni-708544-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.
- Anemone patens L.** (GUID: ipni-708545-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS. A *synonym* of:

- **Pulsatilla patens (L.) Mill.** according to **ALA** ; Comments:

Anemone patens subsp. multifida (Pritz.) L. (GUID: NULL). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Anemone patens var. multifida Pritz. (GUID: ipni-13489-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Pulsatilla patens subsp. multifida (Pritz.) Zämelis** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Anemone patens subsp. multifida (Pritz.) L.** according to **PAF** ; Comments: The name [Pulsatilla hirsutissima] is illegitimate because the given basionym is [Clematis hirsutissima] Pursh, Fl. Amer. Sept. 2: 385 (1813), a true [Clematis]. The names [Anemone ludoviciana] and [Pulsatilla ludoviciana] are also illegitimate as nomina nova for [Clematis hirsutissima].
- **Anemone patens subsp. multifida (Pritz.) Hultén** according to **WCSP** ; Comments: WCSP
- **Anemone patens subsp. multifida (Pritz.) L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Anemone richardsonii Hook. (GUID: ipni-1114631-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Anemone sibirica L. (GUID: ipni-708636-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Anemone sibirica taxon interior (Hultén) (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Anemone sibirica taxon s_str_nominate_race (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Anemone villosissima (DC.) Juz. (GUID: ipni-708709-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Anemone narcissiflora subsp. villosissima (DC.) Hultén** according to **WCSP** ; Comments: WCSP

Aquilegia brevistyla Hook. (GUID: ipni-30196836-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Aquilegia flavescens S.Watson (GUID: ipni-16825-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Aquilegia formosa Fisch. ex DC. (GUID: ipni-16830-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Aquilegia formosa var. formosa (GUID: trop-27101510). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Aquilegia formosa var. formosa Fisch. ex DC. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Aquilegia fosteri (S.L.Welsh) S.L.Welsh (GUID: ipni-1020733-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Aquilegia formosa Fisch. ex DC.** according to **ACCS** ; Comments: Flora of North America

Aquilegia shockleyi Eastw. (GUID: ipni-709012-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Aquilegia formosa Fisch. ex DC.** according to **ACCS** ; Comments: Flora of North America

Batrachium aquatile (L.) Dumort. (GUID: ipni-30187142-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Ranunculus aquatilis L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Batrachium eradicatum (Laest.) Fr. (GUID: kew-2671119). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Ranunculus confervoides (Fr.) Fr.** according to **PAF** ; Comments: Nearly all current Fennoscandian field botanists accept [Ranunculus confervoides] as species and refute - as theoretical considerations based on badly preserved or incomplete herbarium specimens - the Continental European attempts to reduce it to a race of [R. aquatilis] or [R. trichophyllus]. They also refute the North American attempts to describe it as a variety of [R. aquatilis] or to include it in a race of [R. circinatus]. Delimitation is sometimes more difficult among [R. peltatus], [R. aquatilis], [R. trichophyllus], and [R. circinatus] than between [R. confervoides] and the others. [Ranunculus confervoides] has its distinct range even if it sometimes is found together with [R. trichophyllus] and [R. subrigidus]. Intermediates (aborting hybrids) towards the others are rarely observed, whereas they are common between the others. The reason for this may be that [R. confervoides] is very small-flowered, often flowers even when submerged, and may be largely self-pollinating. In the last maps of Hultén (Hultén and Fries 1986), this is the only species of sect. [Batrachium] which really reaches the Arctic, but see [R. subrigidus] below. The names ['confervoides'] and ['eradicatus'] are based on northern Fennoscandian plants and refer to the same taxon. Whether the name ['lutulentus'], based on a plant from the French Alps, refers to this taxon should be checked by a renewed inspection of types, not influenced by the idea that this taxon is the same as [R. aquatilis] or [R. trichophyllus]. Aiken and Elven: Two species are present in the Canadian Arctic Archipelago: [R. confervoides] and [R. subrigidus], as opposed to the simple picture given by Hultén and Fries (1986) and Whittimore (1997). A revision of the material suggests that [R. confervoides] is restricted to Baffin Island and replaced by [R. subrigidus] elsewhere in the islands. A subsequent revision of material from Alaska and mainland Canada (ALA, CAN; Elven in 2009) supports [R. confervoides] and [R. subrigidus] as consistently different but as sometimes co-occurring in the arctic and near arctic parts. In the west, [R. confervoides] reaches across from Asia to Alaska and perhaps the Yukon Territory but not east of the Mackenzie. Tzvelev and Elven: The name [Batrachium eradicatum] (Laest.) Fr. 1843 has priority before [B. confervoides] Fr. 1845. The priority species name in [Ranunculus] is [R. confervoides] due to homonymy.
- **Ranunculus trichophyllus subsp. eradicatus (Laest.) C.D.K.Cook** according to **WCSP** ; Comments: WCSP

Beckwithia camissonis (Schltdl.) Tolm. (GUID: ipni-709222-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Beckmannia syzigachne (Steud.) Fernald** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Beckwithia glacialis subsp. chamissonis (Schltdl.) Á.Löve & D.Löve** according to **WCSP** ; Comments: WCSP
- **Ranunculus glacialis var. camissonis (Schlechtendal) L. D. Benson** according to **FNA** ; Comments: FNA

Beckwithia glacialis (L.) Á.Löve & D.Löve (GUID: ipni-30240249-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ALA**. A *synonym* of:

- **Ranunculus glacialis L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Beckwithia glacialis subsp. chamissonis (Schltdl.) Á. Löve & D. Löve (GUID: trop-27102356). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Ranunculus camissonis Schltldl.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- Caltha arctica subsp. arctica** (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.
- Caltha biflora DC.** (GUID: ipni-42841-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:
- **Caltha leptosepala var. howellii Huth** according to **WCSP** ; Comments: WCSP
 - **Caltha leptosepala de Candolle** according to **FNA** ; Comments: FNA
- Caltha leptosepala DC.** (GUID: ipni-42853-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.
- Caltha natans Pall.** (GUID: ipni-709329-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.
- Caltha palustris L.** (GUID: ipni-308640-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.
- Caltha palustris subsp. asarifolia (DC.) Hultén** (GUID: ipni-42871-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**. A *synonym* of:
- **Caltha palustris L.** according to **WCSP** ; Comments: WCSP
 - **Caltha palustris Linnaeus** according to **FNA** ; Comments: FNA
- Caltha palustris subsp. radicans (T.F. Forst.) Syme** (GUID: NULL). In Alaska according to **PAF**. An *accepted name* according to **PAF**.
- Caltha palustris subsp. radicans (T.F. Forst.) Hook.** (GUID: kew-2870672). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:
- **Caltha palustris L.** according to **WCSP** ; Comments: WCSP
- Clematis tangutica (Maxim.) Korsh.** (GUID: trop-27100348). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.
- Coptidium lapponicum (L.) Tzvelev** (GUID: ipni-983085-1). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.
- Coptidium lapponicum Gand.** (GUID: trop-27100079). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.
- Coptidium pallasii (Schltldl.) Tzvelev** (GUID: ipni-983087-1). In Alaska according to **PAF, ACCS, ALA, ACCS**. An *accepted name* according to **PAF, WCSP, ALA, ACCS**. A *synonym* of:
- **Coptidium palasii (Schltldl.) Tzvelev** according to **ACCS** ; Comments: Panarctic Flora Checklist
- Coptis aspleniifolia Salisb.** (GUID: ipni-710311-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, WCSP, FNA**.
- Coptis trifolia (L.) Salisb.** (GUID: trop-27100081). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.
- Coptis trifolia subsp. groenlandica (Oeder) Hultén** (GUID: ipni-65061-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:
- **Coptis trifolia (L.) Salisb.** according to **PAF** ; Comments: Elven and Murray: Hultén (1968a) mapped one locality for [Coptis trifolia] near Nome on the Seward Peninsula in western Alaska. The records (one literary, one specimen) need confirmation as this species otherwise is

temperate in the Pacific regions. There has been some discussion among North American botanists whether a [*C. groenlandica*] is separable from [*C. trifolia*] s. str. (Taylor and Mulligan 1968; Ford 1997b). Fernald (1929a) and Scoggan (1978c) reported the following diagnostic characters for [*C. trifolia*] s. str. vs. [*C. groenlandica*]: leaflets sessile-subsessile vs. short-stalked; sepals obtusish and up to 4 mm broad vs. acutish and up to 3 mm broad; petals about as long as broad vs. broader than long; and follicles less than 5 mm long vs. up to 9 mm long. These seem to be sufficient differences for racial recognition but inspection of material (ALA, O) from Greenland, Quebec, Pacific Canada, Alaska, and Pacific Asia did not confirm them. Leaflets are just as short-stalked in the Pacific regions as in the Atlantic ones (more sessile perhaps just in some Aleutian plants). Sepal shape is the same in both regions but eastern plants generally have smaller sepals, range 1-1.7 mm in Greenland, 1.7-2.4 mm in Quebec and Labrador, 2.1-2.9 mm in Pacific Canada, and 2.2-3.2 mm in the Aleutian Islands. There was no difference in whether the petals were distinctly clawed or not and no distinct difference in petal size. Follicles were generally longer in Pacific Canada and Asia (6-8 mm) than in the Aleutian Islands (5.5-6.2 mm) and shortest in Greenland (ca. 3.5-4 mm), opposite to what was stated by Scoggan. Seed shape (quadrate in [*C. trifolia*] vs. rounded in [*C. groenlandica*]) did not differentiate. We do not recognize races.

- ***Coptis trifolia* (L.) Salisb.** according to ACCS ; Comments: Flora of North America
- ***Coptis trifolia* (Linnaeus) Salisbury** according to FNA ; Comments: FNA

***Delphinium brachycentrum* Ledeb.** (GUID: ipni-710447-1). In Alaska according to FNA. An *accepted name* according to WCSP, FNA.

***Delphinium chamissonis* Pritz. ex Walp.** (GUID: ipni-710490-1). In Alaska according to PAF, ACCS, ALA. An *accepted name* according to PAF, WCSP, ACCS, ALA. A *synonym* of:

- ***Delphinium brachycentrum* Ledebour** according to FNA ; Comments: FNA

***Delphinium glaucum* S.Watson** (GUID: ipni-77379-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

***Delphinium ruthae* A.Nelson** (GUID: ipni-77490-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Delphinium brachycentrum* Ledeb.** according to WCSP ; Comments: WCSP
- ***Delphinium chamissonis* Pritz. ex Walp.** according to ACCS ; Comments: Panarctic Flora Checklist

***Halerpestes cymbalaria* (Pursh) Greene** (GUID: trop-27103173). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, WCSP, ACCS.

***Oxygraphis glacialis* Bunge** (GUID: ipni-711719-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

***Pulsatilla patens* (L.) Mill.** (GUID: ipni-30094592-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Anemone patens* L.** according to WCSP ; Comments: WCSP
- ***Anemone patens* L.** according to ACCS ; Comments: Panarctic Flora Checklist

***Pulsatilla patens* subsp. *multifida* (Pritz.) Zämelis** (GUID: ipni-214468-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Anemone patens* subsp. *multifida* (Pritz.) Hultén** according to WCSP ; Comments: WCSP
- ***Anemone patens* subsp. *multifida* (Pritz.) L.** according to PAF ; Comments: The name [*Pulsatilla hirsutissima*] is illegitimate because the given basionym is [*Clematis hirsutissima*]

Pursh, Fl. Amer. Sept. 2: 385 (1813), a true [Clematis]. The names [Anemone ludoviciana] and [Pulsatilla ludoviciana] are also illegitimate as nomina nova for [Clematis hirsutissima].

- **Anemone patens subsp. multifida (Pritz.) L.** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Anemone patens var. multifida Pritzel** according to **FNA** ; Comments: FNA

Ranunculus abortivus L. (GUID: ipni-712111-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Ranunculus acris L. (GUID: ipni-124508-3). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Ranunculus acris subsp. acris (GUID: trop-27101375). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Ranunculus aquatilis L. (GUID: ipni-712223-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP, ACCS**. A *synonym* of:

- **Batrachium aquatile (L.) Dumort.** according to **ALA** ; Comments: Elven, R. et al. 2003

Ranunculus aquatilis var. aquatilis (GUID: trop-27101856). In Alaska according to **FNA, ACCS**. An *accepted name* according to **FNA**. A *synonym* of:

- **Ranunculus aquatilis L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Ranunculus aquatilis var. diffusus With. (GUID: trop-27103180). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Ranunculus trichophyllus Chaix** according to **PAF** ; Comments: We consider [Ranunculus trichophyllus] apart from [R. aquatilis] L. [Sp. Pl.: 556 (1753); lectotype (LINN): Europe. Herb. Linn. 715.75 (Cook 1967: 123, as 'neotype'); [Batrachium aquatile] (L.) Dumort., Bull. Soc. Roy. Bot. Belgique 2: 215 (1863)]. The diagnostic characters reported for [R. aquatilis] vs. [R. trichophyllus] (= [R. aquatilis] var. [diffusus], see Dahlgren and Jonsell 2001: 264) should be enough to justify different species in this group: laminate floating leaves regularly present vs. never; pedicels mostly 1.5-3.5 cm, stout and strongly reflexed vs. mostly 2.5-7 cm, slender and slightly reflexed; petals (honey leaves) obovate and contiguous vs. narrowly obovate and not contiguous (usually well separated); and nectaries usually cup-shaped vs. lunate. However, only one of these characters is applicable on the vegetative plants often found in the Arctic (the leaf type). The plants that reach the Arctic in Europe, Alaska, and Canada are of the type with filiform-dissected leaves only ([R. trichophyllus]). [Ranunculus aquatilis] reaches north to non-arctic northern Norway and non-arctic southwestern Alaska. All geographical records should be carefully considered. [Ranunculus trichophyllus] was found in 2002 beyond and at the arctic boundary in western (ALA; the Seward Peninsula) and northern Alaska (ALA, O; the Noatak River valley) and is also vouchered from the Borderline Arctic at Kazan River below Yathkyed Lake in mainland Nunavut (CAN). Revision of the material in ALA and CAN has not revealed additional arctic localities in Alaska or Canada. Parts of the sparse material we have seen from the southern half of western Greenland (O) is coarse and conform better to [R. trichophyllus] than to [R. confervoides]. Rebristaya and Elven: Tzvelev proposed [Batrachium divaricatum] (Schrank) Schur 1866 to be the valid species name instead of [B. trichophyllum]. Within [Ranunculus], [R. trichophyllus] Chaix 1786 has priority before [R. divaricatus] Schrank 1789.
- **Ranunculus trichophyllus Chaix** according to **ACCS** ; Comments: Panarctic Flora Checklist

Ranunculus arcticus R.Br. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Ranunculus arcticus Richardson (GUID: ipni-712226-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Ranunculus bongardii Greene (GUID: ipni-712327-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Ranunculus uncinatus** D. Don in G. Don according to FNA ; Comments: FNA

Ranunculus camissonis Schltldl. (GUID: ipni-712450-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Beckwithia camissonis** (Schltldl.) Tolm. according to ALA ; Comments: Elven, R. et al. 2003
- **Ranunculus glacialis** var. **camissonis** (Schlechtendal) L. D. Benson according to FNA ; Comments: FNA

Ranunculus confervoides (Fr.) Fr. (GUID: ipni-1152383-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Batrachium eradicatum** (Laest.) Fr. according to ALA ; Comments: Elven, R. et al. 2003

Ranunculus cooleyae Vasey & Rose (GUID: ipni-217234-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Arcteranthis cooleyae** (Vasey & Rose) Greene according to WCSP ; Comments: WCSP

Ranunculus cooleyae Vasey, & Rose (GUID: ipni-712516-1). In Alaska according to FNA. An *accepted name* according to FNA.

Ranunculus cymbalaria Pursh (GUID: ipni-712561-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Halerpestes cymbalaria** (Pursh) Greene according to PAF ; Comments: The name ['alpina'] seems only to refer to small northern and alpine plants not worth recognition.
- **Halerpestes cymbalaria** (Pursh) Greene according to WCSP ; Comments: WCSP
- **Halerpestes cymbalaria** (Pursh) Greene according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus cymbalaria var. **alpina** Hook. (GUID: ipni-217238-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Halerpestes cymbalaria** (Pursh) Greene according to WCSP ; Comments: WCSP
- **Halerpestes cymbalaria** (Pursh) Greene according to PAF ; Comments: The name ['alpina'] seems only to refer to small northern and alpine plants not worth recognition.
- **Halerpestes cymbalaria** (Pursh) Greene according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus eschscholtzii Schltldl. (GUID: ipni-217269-2). In Alaska according to PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Ranunculus eschscholtzii subsp. **eschscholtzii** (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Ranunculus eschscholtzii var. **eschscholtzii** (GUID: trop-27101471). In Alaska according to FNA. An *accepted name* according to FNA.

Ranunculus eschscholtzii var. **eschscholtzii** Schltldl. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Ranunculus flammula L. (GUID: ipni-712729-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Ranunculus flammula var. ovalis (J.M. Bigelow) L.D. Benson (GUID: trop-27100760). In Alaska according to FNA. An *accepted name* according to FNA.

Ranunculus flammula var. reptans (L.) E. Mey. (GUID: trop-27103170). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Ranunculus reptans L.** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus gelidus Kar. & Kir. (GUID: ipni-30013387-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, FNA. A *synonym* of:

- **Ranunculus grayi Britton** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus glacialis L. (GUID: ipni-712803-1). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Beckwithia glacialis (L.) A.Love & D.Love** according to ALA ; Comments: ALA Taxon List; ALA Taxon List
- **Beckwithia glacialis (L.) Á.Löve & D.Löve** according to WCSP ; Comments: WCSP

Ranunculus glacialis subsp. alaskensis Jurtz. (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Ranunculus glacialis subsp. alaskensis Jurtzev (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Ranunculus glacialis var. camissonis (Schltdl.) L.D.Benson (GUID: ipni-217325-2). In Alaska according to ALA, ACCS, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Beckwithia camissonis (Schltdl.) Tolm.** according to ALA ; Comments: ALA Taxon List; ALA Taxon List; ALA Taxon List
- **Beckwithia glacialis subsp. chamissonis (Schltdl.) Á.Löve & D.Löve** according to WCSP ; Comments: WCSP
- **Ranunculus camissonis Schltdl.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Ranunculus camissonis Schltdl.** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus gmelinii DC. (GUID: ipni-30137890-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Ranunculus gmelinii subsp. gmelinii (GUID: trop-27101489). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Ranunculus gmelinii subsp. purshii (Richardson) Hultén (GUID: ipni-60443126-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Ranunculus gmelinii DC.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Ranunculus gmelinii de Candolle** according to FNA ; Comments: FNA

Ranunculus grandis Honda (GUID: ipni-712835-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Ranunculus grandis Honda** according to ACCS ; Comments: D.F. Murray

Ranunculus grandis var. austrokurilensis H. Hara (GUID: trop-27100770). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Ranunculus grayi Britton (GUID: ipni-712840-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Ranunculus hyperboreus Rottb. (GUID: ipni-712943-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Ranunculus hyperboreus subsp. arnellii Scheutz (GUID: trop-27101491). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Ranunculus hyperboreus Rottbøll** according to FNA ; Comments: FNA

Ranunculus hyperboreus subsp. hyperboreus (GUID: trop-27101490). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Ranunculus hyperboreus subsp. hyperboreus Rottb. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Ranunculus kamchaticus DC. (GUID: ipni-712998-1). In Alaska according to ACCS, ALA, ACCS, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Oxygraphis glacialis (Fisch.) Bunge** according to PAF ; Comments:
- **Oxygraphis glacialis (Fisch.) Bunge** according to ACCS ; Comments: Panarctic Flora Checklist
- **Oxygraphis glacialis (Fisch.) Bunge** according to ALA ; Comments: Hultén 1968; Hultén, Eric. 1968. Flora of Alaska and Neighboring Territories. Stanford Univ. Press, Stanford, CA. 1008 pp.
- **Oxygraphis glacialis (Fisch.) Bunge** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus lapponicus L. (GUID: ipni-217399-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Coptidium lapponicum (L.) Tzvelev** according to ALA ; Comments: Elven, R. et al. 2003
- **Coptidium lapponicum (L.) Tzvelev** according to PAF ; Comments:
- **Coptidium lapponicum (L.) Gand. ex Rydb.** according to WCSP ; Comments: WCSP
- **Coptidium lapponicum (L.) Gandog.** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus macounii Britton (GUID: ipni-713148-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Ranunculus monophyllus Ovcz. (GUID: ipni-713252-1). In Alaska according to ALA, ACCS, PAF. An *accepted name* according to ALA, WCSP, PAF. A *synonym* of:

- **Ranunculus ponojensis (Markl.) Ericsson** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus nivalis L. (GUID: ipni-713334-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Ranunculus occidentalis Nutt. (GUID: ipni-713356-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Ranunculus occidentalis subsp. insularis Hultén (GUID: ipni-217482-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Ranunculus occidentalis var. brevistylis** Greene according to FNA ; Comments: FNA

Ranunculus occidentalis subsp. nelsonii (DC.) Hultén (GUID: ipni-217486-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Ranunculus occidentalis var. nelsonii (de Candolle) L. D. Benson** according to FNA ; Comments: FNA

Ranunculus occidentalis var. brevistylis Greene (GUID: NULL). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Ranunculus occidentalis var. nelsonii (DC.) L.D.Benson (GUID: ipni-217487-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Ranunculus occidentalis subsp. nelsonii (DC.) Hultén** according to ACCS ; Comments: D.F. Murray

Ranunculus orthorhynchus Hook. (GUID: ipni-713390-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Ranunculus orthorhynchus subsp. alaschensis (L.D.Benson) Hultén (GUID: ipni-217503-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Ranunculus orthorhynchus var. orthorhynchus** according to FNA ; Comments: FNA

Ranunculus orthorhynchus var. orthorhynchus (GUID: trop-27101526). In Alaska according to FNA. An *accepted name* according to FNA.

Ranunculus pacificus (Hultén) L.D.Benson (GUID: ipni-217516-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Ranunculus pallasii Schltld. (GUID: trop-27100201). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Coptidium palasii (Schltld.) Tzvelev** according to ALA ; Comments: Elven, R. et al. 2003
- **Coptidium pallasii (Schltld.) Tzvelev** according to PAF ; Comments: In northwestern Europe, [Coptidium pallasii] is restricted to Svalbard.
- **Coptidium pallasii (Schltld.) Tzvelev** according to WCSP ; Comments: WCSP
- **Coptidium palasii (Schltld.) Tzvelev** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus pedatifidus subsp. affinis (R.Br.) Hultén (GUID: ipni-217526-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Ranunculus arcticus R.Br.** according to ALA ; Comments: Elven, R. et al. 2003
- **Ranunculus arcticus Richardson** according to PAF ; Comments: Rebristaya and Elven: Richardson's name [Ranunculus arcticus] from March 1823 predates Robert Brown's [R. affinis] from late 1823. We assume that the names refer to the same species. The name [R. pedatifidus] Sm. (see Excluded taxa) has often been applied for arctic plants but in our opinion misapplied. The arctic and northern plants are related to but not the same as the central Asian [R. pedatifidus]. [Ranunculus arcticus] differs from [R. pedatifidus] in carpels glabrous or short-pubescent, cauline leaves with entire segments, bases of stems lacking scales, and probably in ploidy level. Löve and Löve (1975a) reported five hexaploid counts under the name [R. affinis], mostly from the Arctic. They reported numerous tetraploid counts under the name [R. wilanderi], all from areas far outside the range of this local Svalbard agamospecies of the [R. auricomus] group (Ericsson 2001). They applied names and sorted counts fully disregarding morphology, taxonomy, and original publications. [Ranunculus arcticus] occurs with at least two ploidy levels: tetraploid and hexaploid. Tetraploid plants are known throughout, whereas hexaploid plants are known from Canada and Greenland. In the assumedly diploid [R. pedatifidus], Rozanova (1932) found the pollen to be good and found no fruit-set after emasculation and pollination with pollen from [R. auricomus]. The reproductive system of the polyploid [R. arcticus] is not known but agamospermy - as in the [R. auricomus] group - cannot be excluded (see Böcher and Larsen 1950 and Jørgensen et al. 1958 for cytological indications). Seed-set in [R. arcticus] is mostly abundant, often an indication of agamospermy (or very efficient self-fertilization) in [Ranunculus].
- **Ranunculus arcticus Richardson** according to ACCS ; Comments: Panarctic Flora Checklist
- **Ranunculus pedatifidus var. affinis (R. Brown) L. D. Benson** according to FNA ; Comments: FNA

Ranunculus pedatifidus var. affinis (R.Br.) L.D.Benson (GUID: ipni-217527-2). In Alaska according

to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Ranunculus pedatifidus subsp. affinis (R.Br.) Hultén** according to WCSP ; Comments: WCSP
- **Ranunculus arcticus Richardson** according to PAF ; Comments: Rebristaya and Elven: Richardson's name [*Ranunculus arcticus*] from March 1823 predates Robert Brown's [*R. affinis*] from late 1823. We assume that the names refer to the same species. The name [*R. pedatifidus*] Sm. (see Excluded taxa) has often been applied for arctic plants but in our opinion misapplied. The arctic and northern plants are related to but not the same as the central Asian [*R. pedatifidus*]. [*Ranunculus arcticus*] differs from [*R. pedatifidus*] in carpels glabrous or short-pubescent, cauline leaves with entire segments, bases of stems lacking scales, and probably in ploidy level. Löve and Löve (1975a) reported five hexaploid counts under the name [*R. affinis*], mostly from the Arctic. They reported numerous tetraploid counts under the name [*R. wilanderi*], all from areas far outside the range of this local Svalbard agamospecies of the [*R. auricomus*] group (Ericsson 2001). They applied names and sorted counts fully disregarding morphology, taxonomy, and original publications. [*Ranunculus arcticus*] occurs with at least two ploidy levels: tetraploid and hexaploid. Tetraploid plants are known throughout, whereas hexaploid plants are known from Canada and Greenland. In the assumedly diploid [*R. pedatifidus*], Rozanova (1932) found the pollen to be good and found no fruit-set after emasculation and pollination with pollen from [*R. auricomus*]. The reproductive system of the polyploid [*R. arcticus*] is not known but agamospermy - as in the [*R. auricomus*] group - cannot be excluded (see Böcher and Larsen 1950 and Jørgensen et al. 1958 for cytological indications). Seed-set in [*R. arcticus*] is mostly abundant, often an indication of agamospermy (or very efficient self-fertilization) in [*Ranunculus*].
- **Ranunculus arcticus Richardson** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus pensylvanicus L.f. (GUID: ipni-713481-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Ranunculus ponojensis (Markl.) Ericsson (GUID: ipni-964491-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Ranunculus pygmaeus Wahlenb. (GUID: ipni-30253244-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Ranunculus repens L. (GUID: ipni-162626-3). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Ranunculus reptans L. (GUID: ipni-300782-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS. A *synonym* of:

- **Ranunculus flammula var. reptans (Linnaeus) E. Meyer** according to FNA ; Comments: FNA

Ranunculus reptans var. intermedius (Hook.) Torr. & A.Gray (GUID: ipni-217616-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Ranunculus reptans L.** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus sabinei R.Br. (GUID: ipni-713733-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Ranunculus sceleratus L. (GUID: ipni-713776-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Ranunculus sceleratus subsp. multifidus (Nutt.) Hultén (GUID: trop-27101495). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Ranunculus sceleratus var. multifidus Nuttall in J. Torrey & A. Gray** according to FNA ; Comments: FNA

Ranunculus sceleratus var. multifidus Nutt. (GUID: trop-27100819). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Ranunculus sceleratus subsp. multifidus (Nutt.) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus subborealis subsp. villosus (Drabble) Elven (GUID: ipni-77099613-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Ranunculus subrigidus W.B.Drew (GUID: ipni-217657-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Ranunculus sulphureus Sol. (GUID: ipni-713921-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Ranunculus sulphureus Solander in C. J. Phipps (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Ranunculus sulphureus var. intercedens Hultén (GUID: ipni-217661-2). In Alaska according to ALA, ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Ranunculus sulphureus Sol.** according to ALA ; Comments: Elven, R. et al. 2003
- **Ranunculus sulphureus Sol.** according to WCSP ; Comments: WCSP
- **Ranunculus sulphureus Solander in C. J. Phipps** according to FNA ; Comments: FNA

Ranunculus sulphureus var. sulphureus Sol. ex C.J. Phipps (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Ranunculus trichophyllus Chaix (GUID: ipni-714002-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- **Batrachium aquatile (L.) Dumort.** according to ALA ; Comments: Elven, R. et al. 2003

Ranunculus trichophyllus subsp. eradicatus (Laest.) C.D.K.Cook (GUID: kew-2870976). In Alaska according to ALA, ACCS, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Batrachium eradicatum (Laest.) Fr.** according to ALA ; Comments: Elven, R. et al. 2003
- **Ranunculus confervoides (Fr.) Fr.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Ranunculus confervoides (Fr.) Fr.** according to PAF ; Comments: Nearly all current Fennoscandian field botanists accept [Ranunculus confervoides] as species and refute - as theoretical considerations based on badly preserved or incomplete herbarium specimens - the Continental European attempts to reduce it to a race of [R. aquatilis] or [R. trichophyllus]. They also refute the North American attempts to describe it as a variety of [R. aquatilis] or to include it in a race of [R. circinatus]. Delimitation is sometimes more difficult among [R. peltatus], [R. aquatilis], [R. trichophyllus], and [R. circinatus] than between [R. confervoides] and the others. [Ranunculus confervoides] has its distinct range even if it sometimes is found together with [R. trichophyllus] and [R. subrigidus]. Intermediates (aborting hybrids) towards the others are rarely observed, whereas they are common between the others. The reason for this may be that [R. confervoides] is very small-flowered, often flowers even when submerged, and may be largely self-pollinating. In the last maps of Hultén (Hultén and Fries 1986), this is the only species of sect. [Batrachium] which really reaches the Arctic, but see [R. subrigidus] below. The names ['confervoides'] and ['eradicatus'] are based on northern Fennoscandian plants and refer to the same taxon. Whether the name ['lutulentus'], based on a plant from the French Alps, refers to this taxon should be checked by a renewed inspection of types, not influenced by the idea that this taxon is the same as [R. aquatilis] or [R. trichophyllus]. Aiken and Elven: Two species are present in the Canadian Arctic Archipelago: [R. confervoides] and [R. subrigidus], as opposed to the simple picture given by Hultén and Fries (1986) and Whittmore (1997). A

revision of the material suggests that [R. confervoides] is restricted to Baffin Island and replaced by [R. subrigidus] elsewhere in the islands. A subsequent revision of material from Alaska and mainland Canada (ALA, CAN; Elven in 2009) supports [R. confervoides] and [R. subrigidus] as consistently different but as sometimes co-occurring in the arctic and near arctic parts. In the west, [R. confervoides] reaches across from Asia to Alaska and perhaps the Yukon Territory but not east of the Mackenzie. Tzvelev and Elven: The name [Batrachium eradatum] (Laest.) Fr. 1843 has priority before [B. confervoides] Fr. 1845. The priority species name in [Ranunculus] is [R. confervoides] due to homonymy.

- **Ranunculus confervoides (Fr.) Fr.** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus trichophyllus var. hispidulus (Drew) W.B. Drew (GUID: trop-27101487). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Ranunculus aquatilis L.** according to ACCS ; Comments: Panarctic Flora Checklist

Ranunculus turneri Greene (GUID: ipni-714037-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Ranunculus turneri subsp. turneri (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Ranunculus turneri subsp. turneri Greene (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Ranunculus uncinatus D. Don (GUID: trop-27100597). In Alaska according to FNA. An *accepted name* according to FNA.

Thalictrum alpinum L. (GUID: ipni-714201-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Thalictrum minus L. (GUID: ipni-714633-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Thalictrum minus subsp. kemense (Fr.) Cajander (GUID: trop-27102826). In Alaska according to PAF. An *accepted name* according to PAF, WCSP.

Thalictrum minus subsp. kemense (Fr.) Hultén (GUID: ipni-250801-2). In Alaska according to ALA, ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Thalictrum minus L.** according to ALA ; Comments: Elven, R. et al. 2003
- **Thalictrum minus Linnaeus** according to FNA ; Comments: FNA

Thalictrum occidentale A.Gray (GUID: ipni-714684-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Thalictrum sparsiflorum Turcz. ex Fisch. & C.A.Mey. (GUID: ipni-714890-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Thalictrum sparsiflorum Turczaninow ex Fischer & C. A. Meyer (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Thalictrum sparsiflorum subsp. richardsonii (A.Gray) Cody (GUID: ipni-1019684-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Thalictrum sparsiflorum Turczaninow ex Fischer & C. A. Meyer** according to FNA ; Comments: FNA

Trollius europaeus L. (GUID: ipni-715097-1). In Alaska according to ACCS, ACCS. An *accepted name* according to WCSP, ACCS. A *synonym* of:

- **Trollius europaeus L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Trollius riederianus Fisch. & C.A.Mey. (GUID: ipni-715143-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Rosaceae

Alchemilla glabra Neygenf. (GUID: ipni-720597-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Alchemilla mollis (Buser) Rothm. (GUID: ipni-720776-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Alchemilla monticola Opiz (GUID: ipni-20011043-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Amelanchier alnifolia (Nutt.) Nutt. ex M.Roem. (GUID: ipni-30005905-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Amelanchier alnifolia Nutt. (GUID: ipni-721172-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Amelanchier alnifolia var. semiintegrifolia (Hook.) C.L.Hitchc. (GUID: ipni-11123-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Amelanchier alnifolia (Nutt.) Nutt. ex M. Roem.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Aruncus dioicus (Walter) Fernald (GUID: ipni-721716-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Aruncus dioicus var. acuminatus (Rydb.) H.Hara (GUID: ipni-60445155-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Aruncus dioicus var. acuminatus (Rydb.) Rydb. ex H. Hara (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Chamaerhodos erecta (L.) Bunge (GUID: ipni-1055464-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Chamaerhodos erecta subsp. nuttallii (Pickering ex Rydb.) Hultén (GUID: trop-27800038). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Chamaerhodos erecta subsp. nuttallii (Torr. & A.Gray) Hultén (GUID: ipni-55158-2). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Comarum palustre L. (GUID: ipni-63773-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Cotoneaster rehderi Pojark. (GUID: ipni-722653-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Cotoneaster simonsii Baker (GUID: ipni-722682-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Crataegus douglasii Lindl. (GUID: ipni-68215-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ACCS, FNA**. A *synonym* of:

- **Crataegus suksdorfii (Sarg.) Kruschke** according to **ALA** ; Comments:

Crataegus gaylussacia A.Heller (GUID: ipni-68344-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Crataegus suksdorfii (Sarg.) Kruschke** according to **ACCS** ; Comments: D.F. Murray

Crataegus suksdorfii (Sarg.) Kruschke (GUID: ipni-724344-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Dasiphora fruticosa (L.) Rydb. (GUID: ipni-1114188-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Dasiphora fruticosa subsp. floribunda (Pursh) Kartesz (GUID: ipni-1015344-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Dryas ajanensis Juz. (GUID: ipni-724645-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**. A *synonym* of:

- **Dryas octopetala subsp. ajanensis (Juz.) Hultén** according to **ALA** ; Comments: Hulten 1941-50; Hulten 1941-50

Dryas ajanensis subsp. beringensis Jurtzev (GUID: ipni-987473-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Dryas octopetala subsp. ajanensis (Juz.) Hultén** according to **ALA** ; Comments:

Dryas alaskensis A.E.Porsild (GUID: ipni-84230-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Dryas punctata subsp. alaskensis (A.E. Porsild) Jurtz.** according to **PAF** ; Comments: Elven and Murray: We are not convinced that subsp. [alaskensis] and subsp. [punctata] are as closely related as suggested by Yurtsev. An alternative is to accept [Dryas alaskensis] or [D. alaskensis] + [D. hookeriana] as one species.
- **Dryas punctata subsp. alaskensis (A.E. Porsild) Jurtz.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dryas chamissonis Spreng. ex Juz. (GUID: ipni-724654-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dryas integrifolia subsp. integrifolia** according to **PAF** ; Comments: Elven and Murray: Yurtsev proposed [Dryas chamissonis] to be a species apart from [D. integrifolia], with a nearly identical range from West Chukotka east to eastern Greenland. He stated that as a member of hybrid or hybridogeneous combinations, [D. chamissonis] is often not distinguishable from [D. integrifolia] due to the increased number of teeth on leaves of such plants. We do not accept [D. chamissonis] and consider it a recurrent part of the morphological variation throughout the range of [D. integrifolia] subsp. [integrifolia]. Yurtsev proposed as canescent varieties [D. integrifolia] var. [canescens] Simmons, Vasc. Pl. Ellesmereland: 46 (1906), from RFE to GRL, and [D. chamissonis] var. [incana] Jurtz., Fl. Arct. URSS 9, 1: 323 (1984), from RFE and ALA. He commented on canescent forms in general (see his notes to the genus above) and especially about var. [canescens] that it is 'a cryo-xerophilous calcicolous ecotype with a rather disjunctive distribution; the range is incompletely known'.
- **Dryas integrifolia subsp. integrifolia Vahl** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dryas drummondii Richardson ex Hook. (GUID: ipni-724659-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, ALA, FNA**.

Dryas drummondii var. eglandulosa A.E.Porsild (GUID: ipni-84234-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dryas drummondii Richardson ex Hook.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dryas drummondii var. tomentosa (Farr) L.O.Williams (GUID: ipni-1036529-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dryas drummondii Richardson ex Hook.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dryas hookeriana Juz. (GUID: ipni-724664-1). In Alaska according to **FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Dryas punctata subsp. hookeriana (Juz.) Jurtz.** according to **PAF** ; Comments: Elven and Murray: Cody (in comment) reported subsp. [hookeriana] to reach the Arctic in the Yukon Territory. Yurtsev doubted this. We enter it as borderline arctic. Subspecies [hookeriana] and subsp. [alaskensis] may belong to a different evolutionary lineage from [Dryas punctata] s. str., i.e., they may be two races of a Cordilleran and narrowly amphi-Beringian species for which [D. hookeriana] would be the priority name. There is no combination of ['alaskensis'] as a race within [D. hookeriana].

Dryas incisa Juz. (GUID: ipni-724666-1). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Dryas integrifolia Vahl (GUID: ipni-724667-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Dryas integrifolia subsp. integrifolia (GUID: trop-27802550). In Alaska according to **PAF, FNA**. An *accepted name* according to **PAF, FNA**.

Dryas integrifolia subsp. integrifolia Vahl (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Dryas integrifolia subsp. sylvatica (Hultén) Hultén (GUID: ipni-84246-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Dryas octopetala var. kamtschatica (Juz.) Hultén (GUID: ipni-299396-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dryas punctata subsp. alaskensis (A.E. Porsild) Jurtz.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dryas octopetala var. luteola Hultén (GUID: ipni-84258-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dryas ajanensis Juz.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dryas octopetala var. viscida Hultén (GUID: ipni-299395-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Dryas punctata subsp. alaskensis (A.E. Porsild) Jurtz.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Dryas punctata Juz. (GUID: ipni-724680-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Dryas punctata subsp. alaskensis (A.E. Porsild) Jurtzev (GUID: trop-50312659). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**. A *synonym* of:

- **Dryas alaskensis A.E.Porsild** according to **ALA** ; Comments: ALA

Dryas punctata subsp. hookeriana (Juz.) Jurtzev (GUID: ipni-77099623-1). In Alaska according to PAF. An *accepted name* according to PAF.

Dryas sylvatica (Hultén) A.E.Porsild (GUID: ipni-84262-2). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Dryas integrifolia subsp. sylvatica (Hultén) Hultén** according to PAF ; Comments: Elven and Murray: Yurtsev (PAF proposal) did not accept this northwestern North American race. It differs from subsp. [integrifolia] in several characters, occurs in different (drier and often more base-rich) sites but sometimes locally co-occurs, and occupies a range of its own, mainly in non-glaciated and now forested parts of Alaska and the Yukon Territory. Intermediates towards subsp. [integrifolia] are frequent but not to a degree that obscures the distinctness of the subspecies.
- **Dryas integrifolia subsp. sylvatica (Hultén) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Drymocallis convallaria (Rydb.) Rydb. (GUID: trop-50099078). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Potentilla arguta subsp. convallaria (Rydb.) D.D. Keck** according to ACCS ; Comments: D.F. Murray

Fragaria chiloensis (L.) Mill. (GUID: ipni-105458-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Fragaria chiloensis subsp. pacifica Staudt (GUID: ipni-105460-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Fragaria virginiana Duchesne (GUID: ipni-725144-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Fragaria virginiana subsp. glauca (S.Watson) Staudt (GUID: ipni-1116028-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Geum aleppicum Jacq. (GUID: ipni-30094401-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Geum aleppicum subsp. strictum (Aiton) R.T. Clausen (GUID: trop-27800067). In Alaska according to PAF, ACCS, ALA. An *accepted name* according to PAF, ACCS, ALA.

Geum calthifolium Menzies ex Sm. (GUID: trop-27800886). In Alaska according to ACCS, ALA, PAF. An *accepted name* according to ACCS, ALA, PAF.

Geum calthifolium Sm. (GUID: ipni-109819-2). In Alaska according to FNA. An *accepted name* according to FNA.

Geum glaciale Adams ex Fisch. (GUID: ipni-725238-1). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Geum glaciale Adams ex Fisch. & C.A. Mey. (GUID: trop-27800890). In Alaska according to ACCS. An *accepted name* according to ACCS.

Geum macrophyllum Willd. (GUID: ipni-725292-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Geum macrophyllum subsp. macrophyllum (GUID: trop-27800277). In Alaska according to ALA. An *accepted name* according to ALA.

Geum macrophyllum subsp. perincisum (Rydb.) Hultén (GUID: ipni-109841-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Geum macrophyllum var. macrophyllum (GUID: trop-27802521). In Alaska according to FNA. An *accepted name* according to FNA.

Geum macrophyllum var. macrophyllum Willd. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Geum macrophyllum var. perincisum (Rydb.) Raup (GUID: ipni-1041229-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Geum macrophyllum subsp. perincisum (Rydb.) Hultén** according to PAF ; Comments:
- **Geum macrophyllum subsp. perincisum (Rydb.) Hultén** according to ACCS ; Comments: Panarctic Flora Checklist

Geum pentapetalum (L.) Makino (GUID: ipni-109849-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Sieversia pentapetala (L.) Greene** according to ACCS ; Comments: Flora of North America

Geum rossii (R. Br.) Ser. (GUID: trop-27800900). In Alaska according to PAF, ACCS, ALA, FNA. An *accepted name* according to PAF, ACCS, ALA, FNA.

Geum × macranthum (Kearney) B.Boivin (GUID: ipni-288067-2). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Luetkea pectinata (Pursh) Kuntze (GUID: trop-27800280). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Malus fusca (Raf.) C.K.Schneid. (GUID: ipni-1116870-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Malus pumila Mill. (GUID: ipni-726372-1). In Alaska according to FNA. An *accepted name* according to FNA.

Physocarpus capitatus (Pursh) Kuntze (GUID: trop-27801000). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Potentilla anachoretica Soják (GUID: ipni-727622-1). In Alaska according to PAF, ACCS, FNA, ALA. An *accepted name* according to PAF, ACCS, FNA, ALA.

Potentilla anachoretica var. anachoretica (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Potentilla anachoretica var. anachoretica Soják (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Potentilla anserina L. (GUID: ipni-727641-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Potentilla anserina subsp. anserina (GUID: trop-27800291). In Alaska according to PAF, FNA. An *accepted name* according to PAF, FNA.

Potentilla anserina subsp. anserina L. (GUID: ipni-98802-3). In Alaska according to ACCS. An *accepted name* according to ACCS.

Potentilla anserina subsp. groenlandica Tratt. (GUID: trop-27804495). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Potentilla anserina subsp. pacifica (Howell) Rousi (GUID: ipni-209011-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

- Potentilla anserina subsp. yukonensis (Hultén) Soják ex Elven & D.F.Murray** (GUID: ipni-77099624-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.
- Potentilla arenosa (Turcz.) Juz.** (GUID: ipni-727656-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Potentilla arenosa subsp. arenosa** (GUID: trop-50316910). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.
- Potentilla arenosa subsp. arenosa (Turcz.) Juz.** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.
- Potentilla arguta Pursh** (GUID: ipni-727665-1). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.
- Potentilla arguta subsp. convallaria (Rydb.) D.D.Keck** (GUID: ipni-209019-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.
- Potentilla biennis Greene** (GUID: ipni-727740-1). In Alaska according to FNA. An *accepted name* according to ALA, FNA.
- Potentilla biflora D. F. K. Schlechtendal** (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.
- Potentilla biflora Willd. ex Schldl.** (GUID: ipni-727742-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.
- Potentilla bimundorum Soják** (GUID: ipni-727749-1). In Alaska according to PAF, ACCS, FNA, ALA. An *accepted name* according to PAF, ACCS, FNA, ALA.
- Potentilla bipinnatifida Douglas** (GUID: ipni-1037235-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.
- Potentilla brooksensis Jurtzev** (GUID: ipni-975615-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:
- **Potentilla pensylvanica L.** according to PAF ; Comments: Elven: [Potentilla pensylvanica] has been collected from the Arctic in the Brooks Range in Alaska (ALA). In Canada, Cody (1996) mapped it from the British Mountains (Yukon Territory), confirmed by Kohli and Packer (1976) to reach the Arctic along the lower Mackenzie River (N.W.T.), and also stated by Cody (in comment) to reach the arctic shores of Hudson Bay. It is adventive in Provideniya in East Chukotka. Yurtsev: [Potentilla brooksensis] [in the Brooks Range, Alaska] has been described due to its outstanding deviation in various parameters from the standards in this aggregate (they are of rough structure), which I am inclined to explain by speciation in a marginal population. Ertter, Murray, and Elven: We agree that [P. brooksensis] deviate but still consider it part of the pronounced polymorphy of [P. pensylvanica] in Alaska and the Yukon Territory. Ertter et al. (2011) and Soják (in comment) included it in [P. pensylvanica]. However, a closer study of the Beringian parts of [P. pensylvanica] might reveal variation supporting more than one species (Ertter in comment).
 - **Potentilla pensylvanica L.** according to ACCS ; Comments: Panarctic Flora Checklist
- Potentilla brunnescens Rydb.** (GUID: ipni-209051-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.
- Potentilla crebridens Juz.** (GUID: ipni-727922-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Potentilla crebridens subsp. hemicyophila Jurtzev (GUID: ipni-987451-1). In Alaska according to ALA, ACCS, PAF, FNA. An *accepted name* according to ALA, ACCS, PAF, FNA.

Potentilla diversifolia Lehm. (GUID: ipni-728000-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Potentilla drummondii Lehm. (GUID: ipni-209143-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Potentilla egedii Wormsk. (GUID: trop-27802377). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Potentilla anserina subsp. groenlandica Tratt.** according to PAF ; Comments: We provisionally accept the name subsp. [groenlandica] to have priority for this subspecies (see, e.g., Soják 1969; Löve 1970a). The characters reported for subsp. [groenlandica] are in some ways intermediate between subsp. [egedii] and subsp. [anserina] and could be due to hybridization. Similar plants are absent from the North Pacific regions where subsp. [anserina] also is absent. However, plants with the ['groenlandica'] appearance occur geographically independent of subsp. [anserina], and in the absence of more 'typical ['egedii]', in Iceland and in parts of Greenland and northern Scandinavia. We therefore assume that ['groenlandica'] and ['egedii'] are parts of the polymorphy within a single race Yurtsev: On the Gilmimlinei Hot Springs (East Chukotka) is a rather peculiar var. [thermalis] Jurtz. with laciniate bractlets.
- **Potentilla anserina subsp. groenlandica Tratt.** according to ACCS ; Comments: Panarctic Flora Checklist

Potentilla egedii subsp. egedii (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Potentilla egedii subsp. pacifica (Howell) L. A. Sergienko (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Potentilla elegans Cham. & Schltldl. (GUID: trop-27801031). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Potentilla fragiformis D. F. K. Schlechtendal (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Potentilla fragiformis Willd. ex Schltldl. (GUID: ipni-728112-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Potentilla furcata A.E.Porsild (GUID: ipni-728126-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Potentilla glaucophylla var. glaucophylla (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Potentilla gracilis Douglas ex Hook. (GUID: ipni-728176-1). In Alaska according to ACCS. An *accepted name* according to ACCS, ALA.

Potentilla gracilis var. fastigiata (Nutt.) S. Watson (GUID: trop-27806196). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Potentilla gracilis var. gracilis (GUID: trop-27802600). In Alaska according to FNA. An *accepted name* according to FNA.

Potentilla gracilis var. gracilis Douglas ex Hook. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Potentilla hookeriana auct. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Potentilla arenosa subsp. arenosa** according to **PAF** ; Comments:

Potentilla hyparctica Malte (GUID: ipni-728267-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Potentilla hyparctica subsp. elatior (Abrom.) Elven & D.F.Murray (GUID: ipni-60447847-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**.

Potentilla hyparctica subsp. hyparctica (GUID: trop-50316913). In Alaska according to **PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Potentilla hyparctica subsp. hyparctica Malte (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Potentilla hyparctica subsp. nivicola Jurtzev & V.V.Petrovsky (GUID: ipni-987458-1). In Alaska according to **PAF**. An *accepted name* according to **PAF**.

Potentilla hyparctica subsp. nivicola Malte (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Potentilla litoralis Rydb. (GUID: ipni-209331-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla murrayi Jurtzev (GUID: ipni-975614-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Potentilla dezhevii Jurtz.** according to **PAF** ; Comments: Elven and Murray: [Potentilla dezhevii] is assumed to be a hybrid species from [P. anachoretica] and perhaps [P. subvahliana]. The supposition of [P. subvahliana] as a parent is based on Soják (2004). Yurtsev (PAF proposal) tentatively suggested [P. uniflora] but that species is largely absent from the Chukchi Peninsula and there replaced by [P. subvahliana] (and [P. villosula]). [Potentilla murrayi] was described from the Brooks Range in northern Alaska and is proposed to have the same parentage as [P. dezhevii]: [P. anachoretica] × [subvahliana]. The influence from [P. subvahliana] is distinct in its columnar tussocks and partly also in leaves and flowers. If [P. dezhevii] and [P. murrayi] are interpreted as one hybrid species arisen in at least two places from the same parents, some differences are to be expected. We tentatively synonymize the names until a more thorough morphological (and experimental) investigation is undertaken, but see Yurtsev's notes below. Yurtsev: [Potentilla dezhevii] in the eastern Chukchi Peninsula and [P. murrayi] in northern Alaska, both plants of limestone, combine the characters of [P. anachoretica] and a species of the [P. uniflora] aggregate. They differ significantly in pubescence of petioles: long soft patent in [P. dezhevii] ([P. uniflora]?), shorter setulose straight, slightly inclined in [P. murrayi] ([P. subvahliana]?). Both of them might represent primary hybrids which do not constitute populations. They should be mentioned in comment to [P. anachoretica]. [Potentilla murrayi], though, is from the area of or vicinity of the Alaskan locality where [P. anachoretica] occurs. Elven and Murray: [Potentilla murrayi] is strikingly different from all other [Potentillas] in the area from where it was described. It forms a large and morphologically consistent population and is no primary hybrid. It is, however, local and without known [P. anachoretica] in the vicinity (even if it is known from the same mountain range). [Potentilla dezhevii] and [P. murrayi] may still be candidates for local agamic biotypes rather than one or two species.
- **Potentilla dezhevii Jurtz.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Potentilla nana D. F. K. Schlechtendal (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Potentilla nana Willd. ex Schldl. (GUID: ipni-728556-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Potentilla nivea L. (GUID: ipni-30011942-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla nivea subsp. fallax A.E.Porsild (GUID: ipni-209381-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Potentilla nivea L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Potentilla norvegica L. (GUID: ipni-209394-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla norvegica subsp. hirsuta (Michx.) Hyl. (GUID: ipni-209399-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Potentilla norvegica subsp. norvegica L. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Potentilla pensylvanica L. (GUID: ipni-209430-2). In Alaska according to **ALA, PAF, ACCS, PAF, FNA**. An *accepted name* according to **ALA, PAF, ACCS, PAF, FNA**.

Potentilla pensylvanica var. glabrata (Lehm.) S.Watson (GUID: ipni-1008120-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Potentilla pensylvanica L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Potentilla petrovskyi Soják (GUID: ipni-928752-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Potentilla psychrophila Soják (GUID: ipni-77084968-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Potentilla pulchella R.Br. (GUID: ipni-927691-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla recta L. (GUID: ipni-209483-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Potentilla rubricaulis Lehm. (GUID: ipni-209498-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Potentilla stipularis L. (GUID: ipni-729028-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla subgorodkovii Jurtzev (GUID: ipni-975616-1). In Alaska according to **ALA, FNA, PAF, ACCS**. An *accepted name* according to **FNA, PAF, ACCS**. A *synonym* of:

- **Potentilla gorodkovii Jurtzev** according to **ALA** ; Comments: Elven, R. et al. 2003

Potentilla subvahliana Jurtzev (GUID: ipni-987456-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla tikhomirovii Jurtzev (GUID: ipni-987453-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla uniflora auct. (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Potentilla villosa Pall. ex Pursh (GUID: ipni-209567-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla villosula Jurtzev (GUID: ipni-987455-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **PAF, ACCS, FNA**. A *synonym* of:

- **Potentilla villosa Pall. ex Pursh** according to **ALA** ; Comments: ITIS; ITISca; ITISca. ITIS-URL

Potentilla villosula subsp. congesta Jurtzev (GUID: ipni-975617-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Potentilla villosula subsp. villosula Jurtz. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Potentilla vulcanicola Juz. (GUID: ipni-729245-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Potentilla × dezhevii Jurtzev (GUID: ipni-987450-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Potentilla × drymeja Soják (GUID: ipni-728013-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF, ACCS**.

Potentilla × gorodkovii Jurtzev (GUID: ipni-987454-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Prunus avium (L.) L. (GUID: ipni-729478-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Prunus cerasus L. (GUID: ipni-160687-3). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Prunus maackii Rupr. (GUID: ipni-729924-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Prunus padus L. (GUID: ipni-730076-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Prunus pensylvanica L.f. (GUID: ipni-730097-1). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Prunus virginiana L. (GUID: ipni-730422-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Rosa acicularis Lindl. (GUID: ipni-731447-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Rosa acicularis subsp. acicularis (GUID: trop-50320259). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Rosa acicularis subsp. acicularis Lindl. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Rosa acicularis subsp. sayi (Schwein.) W.H.Lewis (GUID: ipni-222219-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Rosa nutkana C.Presl (GUID: ipni-733492-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Rosa nutkana subsp. nutkana (GUID: trop-50313156). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Rosa nutkana subsp. nutkana C. Presl (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Rosa rugosa Thunb. (GUID: ipni-734087-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Rosa woodsii Lindl. (GUID: ipni-734742-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Rosa woodsii subsp. woodsii (GUID: trop-50313157). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Rosa woodsii subsp. woodsii Lindl. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Rubus acaulis Michx. (GUID: ipni-734814-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Rubus alaskensis L.H.Bailey (GUID: ipni-734949-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Rubus arcticus L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Rubus arcticus L. (GUID: ipni-735159-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**.

Rubus arcticus subsp. acaulis (Michx.) Focke (GUID: ipni-60443150-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Rubus acaulis Michx.** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Rubus acaulis Michx.** according to **PAF** ; Comments: Hultén (1968a) tentatively reported the trans-American [*Rubus acaulis*] from Chukotka. There is also a chromosome count report from there (Zhukova 1982) but confirmation of Asian occurrence is needed.
- **Rubus acaulis Michx.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Rubus arcticus subsp. arcticus (GUID: trop-27802538). In Alaska according to **FNA, ACCS**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Rubus arcticus L.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Rubus arcticus subsp. stellatus (Sm.) B.Boivin (GUID: ipni-222922-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Rubus stellatus Sm.** according to **PAF** ; Comments:
- **Rubus stellatus Sm.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Rubus bifrons Vest (GUID: ipni-60449596-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Rubus chamaemorus L. (GUID: ipni-223006-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Rubus discolor Weihe & Nees (GUID: ipni-736346-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Rubus idaeus L. (GUID: ipni-737527-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Rubus idaeus subsp. idaeus (GUID: trop-27802613). In Alaska according to **FNA, ACCS**. An *accepted name* according to **FNA, ACCS**.

Rubus idaeus subsp. melanolasius (Dieck) Focke (GUID: ipni-223183-2). In Alaska according to **ALA, ACCS, PAF**. An *accepted name* according to **ALA, ACCS, PAF**.

Rubus idaeus subsp. strigosus (Michx.) Focke (GUID: ipni-1188093-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Rubus idaeus subsp. melanolasius (Dieck) Focke** according to ACCS ; Comments: Panarctic Flora Checklist

Rubus leucodermis Douglas (GUID: ipni-1012566-2). In Alaska according to ALA. An *accepted name* according to ALA.

Rubus leucodermis Douglas ex Torr. & A. Gray (GUID: trop-27801287). In Alaska according to ACCS. An *accepted name* according to ACCS.

Rubus leucodermis var. leucodermis (GUID: trop-27803086). In Alaska according to FNA. An *accepted name* according to FNA.

Rubus leucodermis var. leucodermis Douglas ex Torr. & A. Gray (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Rubus parviflorus Nutt. (GUID: ipni-298093-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Rubus parviflorus subsp. grandiflorus Farw. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Rubus pedatus Sm. (GUID: ipni-1030501-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Rubus pubescens Raf. (GUID: ipni-284431-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Rubus arcticus L.** according to ACCS ; Comments: Panarctic Flora Checklist

Rubus spectabilis Pursh (GUID: ipni-740437-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Rubus stellatus Sm. (GUID: ipni-740499-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Sanguisorba canadensis L. (GUID: ipni-741345-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Sanguisorba canadensis subsp. latifolia (Hook.) Calder & Roy L. Taylor (GUID: ipni-227370-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS.

Sanguisorba menziesii Rydb. (GUID: ipni-227373-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Sanguisorba officinalis L. (GUID: ipni-741402-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Sanguisorba stipulata Raf. (GUID: ipni-30108956-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Sanguisorba canadensis subsp. latifolia (Hook.) Calder & R.L. Taylor** according to ALA ; Comments: Elven, R. et al. 2003
- **Sanguisorba canadensis subsp. latifolia (Hook.) Calder & R.L. Taylor** according to PAF ; Comments:
- **Sanguisorba canadensis subsp. latifolia (Hook.) Calder & Roy L. Taylor** according to ACCS ; Comments: Panarctic Flora Checklist

Sibbaldia procumbens L. (GUID: ipni-235399-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Sieversia pentapetala (L.) **Greene** (GUID: ipni-236151-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Sorbaria sorbifolia (L.) **A.Braun** (GUID: ipni-1034036-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Sorbus aucuparia L. (GUID: ipni-741641-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Sorbus sambucifolia (**Cham. & Schldl.**) **M.Roem.** (GUID: ipni-30251497-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Sorbus scopulina **Greene** (GUID: ipni-741968-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Sorbus sitchensis **M.Roem.** (GUID: ipni-741978-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Sorbus sitchensis **Roem.** (GUID: ipni-240793-2). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Sorbus sitchensis var. **grayi** (**Wenz.**) **C.L.Hitchc.** (GUID: ipni-240798-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Sorbus sitchensis var. **sitchensis** (GUID: trop-27802621). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Sorbus sitchensis var. **sitchensis** **M. Roem.** (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Spiraea douglasii **Hook.** (GUID: ipni-742226-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, ACCS**.

Spiraea douglasii subsp. **menziesii** (**Hook.**) **Calder & Roy L.Taylor** (GUID: ipni-242407-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Spiraea douglasii var. **menziesii** (**Hook.**) **C.Presl** (GUID: ipni-242408-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Spiraea douglasii** subsp. **menziesii** (**Hook.**) **Calder & Roy L. Taylor** according to **ACCS** ;
Comments: D.F. Murray

Spiraea stevenii (**C.K.Schneid.**) **Rydb.** (GUID: ipni-742547-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Rubiaceae

Galium aparine L. (GUID: ipni-749515-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Galium boreale L. (GUID: ipni-749626-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Galium boreale subsp. **septentrionale** (**Roem. & Schult.**) **H.Hara** (GUID: ipni-106954-2). In Alaska according to **PAF, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Galium boreale** L. according to **WCSP** ; Comments: WCSP

- **Galium boreale** L. according to ACCS ; Comments: Panarctic Flora Checklist

Galium brandegeei A.Gray (GUID: kew-85892). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Galium trifidum** L. according to WCSP ; Comments: WCSP
- **Galium trifidum subsp. trifidum** according to PAF ; Comments:

Galium kamtschaticum Steller (GUID: ipni-107083-2). In Alaska according to ALA. An *accepted name* according to ALA.

Galium kamtschaticum Steller ex Schult. & Schult. f. (GUID: trop-27902769). In Alaska according to ACCS. An *accepted name* according to ACCS.

Galium spurium L. (GUID: ipni-750665-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Galium aparine** L. according to ACCS ; Comments: D.F. Murray

Galium trifidum L. (GUID: ipni-750768-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Galium trifidum subsp. columbianum (Rydb.) Hultén (GUID: ipni-107228-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Galium trifidum subsp. trifidum (GUID: trop-27905159). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Galium trifidum** L. according to WCSP ; Comments: WCSP

Galium triflorum Michx. (GUID: ipni-750771-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Ruppiaceae

Ruppia cirrhosa (Petagna) Grande (GUID: ipni-699838-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Ruppia maritima L. (GUID: ipni-146465-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA. A *synonym* of:

- **Ruppia maritima** Linnaeus according to FNA ; Comments: FNA

Salicaceae

Populus balsamifera L. (GUID: ipni-208245-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Populus balsamifera subsp. balsamifera (GUID: trop-28300284). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Populus balsamifera** L. according to ACCS ; Comments: Panarctic Flora Checklist

Populus balsamifera subsp. trichocarpa (Torr. & A.Gray) Brayshaw (GUID: ipni-208257-2). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- **Populus trichocarpa** Torrey & A. Gray according to FNA ; Comments: FNA

Populus candicans Aiton (GUID: ipni-208270-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Populus balsamifera** L. according to **ACCS** ; Comments: Panarctic Flora Checklist

Populus hastata Dode (GUID: ipni-208303-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Populus trichocarpa** Torr. & A. Gray ex Hook. according to **ACCS** ; Comments: Panarctic Flora Checklist

Populus tremuloides Michx. (GUID: ipni-776886-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Populus trichocarpa Torr. & A.Gray (GUID: ipni-208350-2). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Populus trichocarpa Torr. & A.Gray ex Hook. (GUID: ipni-776891-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Salix alaxensis (Andersson) Coville (GUID: trop-28300012). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Salix alaxensis var. **alaxensis** (GUID: trop-28300273). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, FNA**.

Salix alaxensis var. **alaxensis** (Andersson) Coville (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Salix alaxensis var. **longistylis** (Rydb.) C.K.Schneid. (GUID: ipni-1010973-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, PAF, ACCS, FNA**.

Salix arbusculoides Andersson (GUID: ipni-777070-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Salix arctica Pall. (GUID: ipni-777076-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Salix arctica subsp. **crassijulis** (Trautv.) A.K.Skvortsov (GUID: ipni-225603-2). In Alaska according to **ALA**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Salix arctica** Pall. according to **ALA** ; Comments: Argus 2000; Argus, G. W. 2000. A guide to the identification of willows in Alaska, the Yukon Territory and adjacent regions. Published by author. 138 pp.
- **Salix arctica** Pall. according to **PAF** ; Comments: Argus, Elven, Murray, Skvortsov, and Yurtsev: [Salix arctica] s. lat. is very polymorphic, probably even more so than [S. glauca] s. lat. It forms a number of local races or ecotypes, the taxonomic values of which are yet to be evaluated. The variation is perhaps greatest in the Beringian regions where several taxa are described (e.g., subsp. [crassijulis], including plants up to 1 m tall growing together with dwarf shrubs, C.L. Parker in comment) but there is little geographic structure. The range in reported ploidy levels suggests that this might be a very reticulate polyphyletic complex. We have decided to treat it as one species but suspect that it may fall apart into several taxa in future investigations. Petrovsky in Petrovsky and Zhukova (1983a) described the Taimyr subsp. [jamu-taridensis] as 'differing from subsp. [arctica] in ascending branches, leaves smaller, narrower and not rarely more acute, catkins shorter and more lax, and capsules shorter' [translated here]. These quantitative differences may not be enough for justifying another race in this very polymorphic species. Elven: When comparing plants from Iceland, Greenland, Alaska, and northern Siberia, they show great variation but it is difficult to draw any meaningful lines of division. There also

is a difference in the relative variation patterns in [*S. arctica*] and [*S. glauca*] s. lat. in different regions. In the northern Asian, Beringian, and northwestern Canadian regions they keep well apart and are rarely confused. In the Atlantic regions they are much more difficult to keep apart and plants in Greenland and Iceland have moved between these two species in more recent taxonomic treatments. I am not convinced that the north Atlantic plants (Iceland, the Faeroes, Jan Mayen, parts of Greenland) really belong inside the same species as the Siberian and Beringian ones. A renewed evaluation of [*S. arctica*] s. lat. is needed. [*Salix arctica*] has been reported from Norwegian Svalbard (Elven 1995; Pálsson 2000) but these records refer to plants later identified as [*S. lanata*]. However, [*S. arctica*] was collected in 2007 on the island of Jan Mayen (TROM).

- ***Salix arctica* Pallas** according to FNA ; Comments: FNA

***Salix arctophila* Cockerell** (GUID: ipni-1012583-2). In Alaska according to PAF. An *accepted name* according to PAF, WCSP.

***Salix arctophila* Cockerell ex A. Heller** (GUID: trop-28300020). In Alaska according to ACCS, FNA, ALA. An *accepted name* according to ACCS, FNA, ALA.

***Salix athabascensis* Raup** (GUID: ipni-777106-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

***Salix barclayi* Andersson** (GUID: ipni-777146-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Salix barrattiana* Hook.** (GUID: ipni-301347-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Salix bebbiana* Sarg.** (GUID: ipni-1124865-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Salix candida* Flügge ex Willd.** (GUID: ipni-777242-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to WCSP, ALA, ACCS, FNA.

***Salix chamissonis* Andersson** (GUID: ipni-777291-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

***Salix chamissonis* Andersson in A. P. de Candolle and A. L. P. P. de Candolle** (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

***Salix commutata* Bebb** (GUID: ipni-777350-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

***Salix dodgeana* Rydb.** (GUID: ipni-225798-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Salix rotundifolia* var. *dodgeana* (Rydb.) E. Murray** according to PAF ; Comments: Argus, Murray, Yurtsev, and Elven: Hultén (1968b) considered [*Salix dodgeana*] a Cordilleran vicariant of the amphi-Beringian [*S. phlebophylla*], distinguished by ‘very sparsely flowered catkins and glabrous capsules like [*S. rotundifolia*]’, i.e., with the diagnostic characters of [*S. rotundifolia*] rather than [*S. phlebophylla*]. Hultén (1968a) mapped it only from the eastern (non-arctic) Mackenzie Mountains. Skvortsov (PAF proposal) reported it from the Arctic in East Chukotka and possibly in western and northern Alaska and in the Yukon Territory. Argus (2007) mapped it from the Seward Peninsula, northeastern and eastern Alaska, the Yukon Territory, and from the bordering parts of the Northwest Territories in the Mackenzie and Richardson mountains. He also mapped it with a large gap (across the areas of the Pleistocene Cordilleran and Laurentide ice sheets) to the small part areas in the Rockies in Montana and Wyoming from where this race was described. Argus (1973) found var. [*dodgeana*] to be separable from var.

[rotundifolia] only on the basis of overlapping, quantitative characters. He commented that it is best to simply mention this Cordilleran plant - possibly an ecotype - as an interesting variation, rather than to accord it formal nomenclatural rank. Yurtsev commented that if the main range of var. [dodgeana] lies in Cordilleras, it makes sense to keep it as a species. [Elven: His logic here escapes me.] He also stated that both the populations from the easternmost Chukchi Peninsula, besides smaller size of leaves and catkins, differ from true [*S. rotundifolia*] in their narrower, somewhat cuneate blades of leaves and that they occupy the driest sites. Murray and Elven surveyed material from Alaska and the Yukon Territory (ALA) and were not convinced that there is a separable race ['dodgeana'] in these regions. Argus (2007) was more ready to accept a race (variety), and this became the solution for the Flora of North America (Argus 2010). Whether it reaches East Chukotka is not known. We would perhaps prefer to accept these two parapatric races as subspecies rather than as varieties.

- ***Salix rotundifolia* var. *dodgeana* (Rydb.) E. Murray** according to **WCSP** ; Comments: WCSP
- ***Salix rotundifolia* subsp. *dodgeana* (Rydb.) Argus** according to **ACCS** ; Comments: Panarctic Flora Checklist
- ***Salix rotundifolia* var. *dodgeana* (Rydberg) A. E. Murray** according to **FNA** ; Comments: FNA

***Salix exigua* subsp. *interior* (Rowlee) Cronquist** (GUID: ipni-225812-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- ***Salix interior* Rowlee** according to **WCSP** ; Comments: WCSP
- ***Salix interior* Rowlee** according to **ACCS** ; Comments: G. Argus
- ***Salix interior* Rowlee** according to **FNA** ; Comments: FNA

***Salix fuscescens* Andersson** (GUID: ipni-777643-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

***Salix glauca* L.** (GUID: ipni-777671-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

***Salix glauca* subsp. *acutifolia* (Hook.) Hultén** (GUID: ipni-225850-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- ***Salix glauca* var. *acutifolia* (Hook.) C.K.Schneid.** according to **WCSP** ; Comments: WCSP
- ***Salix glauca* var. *acutifolia* (Hook.) C. K. Schneider** according to **FNA** ; Comments: FNA

***Salix glauca* subsp. *stipulifera* (Flod. ex Häyrén) Hiitonen** (GUID: trop-50075352). In Alaska according to **PAF, ALA, ACCS**. An *accepted name* according to **PAF, ALA, ACCS**.

***Salix glauca* var. *acutifolia* (Hook.) C.K.Schneid.** (GUID: ipni-1038413-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- ***Salix glauca* subsp. *acutifolia* (Hook.) Hultén** according to **PAF** ; Comments: Argus and Elven: Subspecies [*acutifolia*] extends from the interior of Alaska and the Yukon Territory south and east to the central Northwest Territories. There it overlaps subsp. [*callicarpaea*] and subsp. [*villosa*] (a boreal and Cordilleran race not further considered here). The leaves of subsp. [*acutifolia*] have a characteristic villous-woolly (to silky) pubescence but they may become glabrate in age. It is distinguished from subsp. [*callicarpaea*] by its larger leaves with entire margins and more acute tips, more prominent stipules, longer petioles, and catkins on shorter flowering branchlets.
- ***Salix glauca* subsp. *acutifolia* (Hook.) Hultén** according to **ACCS** ; Comments: Panarctic Flora Checklist

***Salix glauca* var. *stipulata* Flod.** (GUID: trop-50307771). In Alaska according to **ACCS, ALA, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Salix glauca subsp. stipulifera (Flod. ex Hayren) Hiitonen** according to ACCS ; Comments: Panarctic Flora Checklist
- **Salix glauca subsp. acutifolia (Hook.) Hultén** according to ALA ; Comments: Argus 2005; Argus checklist via email to LAV
- **Salix glauca subsp. stipulifera (Flod. ex Häyrén) Hiitonen** according to PAF ; Comments: Subspecies [stipulifera] has the widest range of the proposed races and extends from northern Fennoscandia east throughout northern Russia, Siberia, and the Russian Far East to Beringian America where it overlaps with subsp. [acutifolia]. Plants from northeastern Fennoscandia, northern European Russia, northern Siberia, Chukotka, and northwestern Alaska are morphologically inseparable. Subspecies [glauca] and subsp. [stipulifera] stay fairly distinct in the northern lowlands of Fennoscandia but they are more difficult to keep apart in the hills and the mountain range. Extensive intergradation is suggested. For North America, Argus (1973) applied the name subsp. [glauca] for what we here name as subsp. [stipulifera]. It can be distinguished in North America from var. [acutifolia] by its densely long-silky or white villous twigs, branches and buds, relatively shorter petioles, shorter stipes, longer style branches, and darker floral bracts. Argus (2010) entered this race as var. [stipulata] (which is the priority name as variety). His range as reported in the text is correct ('N.W.T., Nunavut, Yukon, Alaska ..' but the map is wrong (a repeat of the collective map for [S. glauca]).
- **Salix glauca subsp. stipulifera (Flod. ex Häyrén) Hiitonen** according to PAF ; Comments: Subspecies [stipulifera] has the widest range of the proposed races and extends from northern Fennoscandia east throughout northern Russia, Siberia, and the Russian Far East to Beringian America where it overlaps with subsp. [acutifolia]. Plants from northeastern Fennoscandia, northern European Russia, northern Siberia, Chukotka, and northwestern Alaska are morphologically inseparable. Subspecies [glauca] and subsp. [stipulifera] stay fairly distinct in the northern lowlands of Fennoscandia but they are more difficult to keep apart in the hills and the mountain range. Extensive intergradation is suggested. For North America, Argus (1973) applied the name subsp. [glauca] for what we here name as subsp. [stipulifera]. It can be distinguished in North America from var. [acutifolia] by its densely long-silky or white villous twigs, branches and buds, relatively shorter petioles, shorter stipes, longer style branches, and darker floral bracts. Argus (2010) entered this race as var. [stipulata] (which is the priority name as variety). His range as reported in the text is correct ('N.W.T., Nunavut, Yukon, Alaska ..' but the map is wrong (a repeat of the collective map for [S. glauca]).

Salix hastata L. (GUID: ipni-302930-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix hastata subsp. subintegrifolia (Flod.) Flod. (GUID: ipni-77083741-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Salix hastata L.** according to ACCS ; Comments: G. Argus
- **Salix hastata Linnaeus** according to FNA ; Comments: FNA

Salix hookeriana Barratt ex Hook. (GUID: ipni-302621-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix hudsonensis C.K.Schneid. (GUID: ipni-777811-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Salix arctica Pall.** according to ACCS ; Comments: Panarctic Flora Checklist

Salix interior Rowlee (GUID: ipni-777862-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix lanata L. (GUID: ipni-777985-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Salix richardsonii Hook.** according to **ALA** ; Comments: Argus 2000; Argus 2000; Argus, G. W. 2000. A guide to the identification of willows in Alaska, the Yukon Territory and adjacent regions. Published by author. 138 pp.
- **Salix richardsonii Hook.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Salix lanata subsp. richardsonii (Hook.) A.K. Skvortsov (GUID: trop-28300044). In Alaska according to **ALA**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Salix richardsonii Hook.** according to **ALA** ; Comments: Argus 2000; Argus 2000; Argus, G. W. 2000. A guide to the identification of willows in Alaska, the Yukon Territory and adjacent regions. Published by author. 138 pp.
- **Salix richardsonii Hooker** according to **FNA** ; Comments: FNA

Salix lasiandra Benth. (GUID: ipni-778000-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Salix lasiandra var. lasiandra** according to **ALA** ; Comments: Argus 2000; syn-of-syn: Salix lasiandra Benth. -> Salix lucida Muhl. subsp. lasiandra (Benth.) Argus; ; Argus 2000; Argus, G. W. 2000. A guide to the identification of willows in Alaska, the Yukon Territory and adjacent regions. Published by author. 138 pp.; Argus 2005; Argus checklist via email to LAV
- **Salix lasiandra var. lasiandra Benth.** according to **ACCS** ; Comments: G. Argus

Salix lasiandra var. caudata (Nutt.) Sudw. (GUID: ipni-225933-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Salix lasiandra var. lasiandra (GUID: trop-28300329). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Salix lasiandra var. lasiandra Benth. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Salix lucida subsp. caudata (Nutt.) E.Murray (GUID: kew-5002701). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Salix lasiandra var. caudata (Nutt.) Sudw.** according to **WCSP** ; Comments: WCSP

Salix monticola Bebb in J.M.Coult. (GUID: ipni-226012-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Salix pseudomonticola C.R. Ball** according to **ACCS** ; Comments: G. Argus

Salix myrtilifolia Andersson (GUID: ipni-778250-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Salix niphoclada Rydb. (GUID: ipni-226033-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Salix nummularia Andersson (GUID: ipni-778316-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Salix nummularia Andersson in A. P. de Candolle and A. L. P. P. de Candolle (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Salix ovalifolia Trautv. (GUID: ipni-778368-1). In Alaska according to **PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Salix ovalifolia var. arctolitoralis (Hultén) Argus (GUID: ipni-226045-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Salix ovalifolia var. cyclophylla (Rydb.) C.R.Ball (GUID: ipni-1082766-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Salix ovalifolia var. glacialis (Andersson) Argus (GUID: ipni-226051-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Salix ovalifolia var. ovalifolia (GUID: trop-28300278). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, FNA.

Salix ovalifolia var. ovalifolia Trautv. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Salix pendulina Wender. (GUID: ipni-778447-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Salix pentandra L. (GUID: ipni-303189-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix phlebophylla Andersson (GUID: ipni-778482-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Salix planifolia Pursh (GUID: ipni-778505-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix polaris Wahlenb. (GUID: ipni-778516-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Salix prolixa Andersson (GUID: ipni-778550-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix pseudomonticola C.R.Ball (GUID: ipni-778592-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA.

Salix pseudomyrsinites Andersson (GUID: ipni-778580-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix pulchra Cham. (GUID: ipni-226114-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix pulchra var. pulchra (GUID: NULL). In Alaska according to PAF. An *accepted name* according to PAF.

Salix pulchra var. yukonensis C.K.Schneid. (GUID: ipni-226117-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF. A *synonym* of:

- **Salix pulchra Cham.** according to WCSP ; Comments: WCSP
- **Salix pulchra Cham.** according to ACCS ; Comments: Panarctic Flora Checklist
- **Salix pulchra Chamisso** according to FNA ; Comments: FNA

Salix reticulata L. (GUID: ipni-304292-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Salix richardsonii Hook. (GUID: ipni-30279106-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA. A *synonym* of:

- **Salix lanata subsp. richardsonii (Hook.) A.K.Skvortsov** according to WCSP ; Comments: WCSP

Salix rotundifolia Trautv. (GUID: ipni-778718-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Salix rotundifolia subsp. dodgeana (Rydb.) Argus (GUID: ipni-226156-2). In Alaska according to ALA, ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Salix dodgeana Rydb.** according to ALA ; Comments: Argus 2005; Argus checklist via email to LAV
- **Salix rotundifolia var. dodgeana (Rydb.) E. Murray** according to PAF ; Comments: Argus, Murray, Yurtsev, and Elven: Hultén (1968b) considered [*Salix dodgeana*] a Cordilleran vicariant of the amphi-Beringian [*S. phlebophylla*], distinguished by 'very sparsely flowered catkins and glabrous capsules like [*S. rotundifolia*]', i.e., with the diagnostic characters of [*S. rotundifolia*] rather than [*S. phlebophylla*]. Hultén (1968a) mapped it only from the eastern (non-arctic) Mackenzie Mountains. Skvortsov (PAF proposal) reported it from the Arctic in East Chukotka and possibly in western and northern Alaska and in the Yukon Territory. Argus (2007) mapped it from the Seward Peninsula, northeastern and eastern Alaska, the Yukon Territory, and from the bordering parts of the Northwest Territories in the Mackenzie and Richardson mountains. He also mapped it with a large gap (across the areas of the Pleistocene Cordilleran and Laurentide ice sheets) to the small part areas in the Rockies in Montana and Wyoming from where this race was described. Argus (1973) found var. [*dodgeana*] to be separable from var. [*rotundifolia*] only on the basis of overlapping, quantitative characters. He commented that it is best to simply mention this Cordilleran plant - possibly an ecotype - as an interesting variation, rather than to accord it formal nomenclatural rank. Yurtsev commented that if the main range of var. [*dodgeana*] lies in Cordilleras, it makes sense to keep it as a species. [Elven: His logic here escapes me.] He also stated that both the populations from the easternmost Chukchi Peninsula, besides smaller size of leaves and catkins, differ from true [*S. rotundifolia*] in their narrower, somewhat cuneate blades of leaves and that they occupy the driest sites. Murray and Elven surveyed material from Alaska and the Yukon Territory (ALA) and were not convinced that there is a separable race [*dodgeana*] in these regions. Argus (2007) was more ready to accept a race (variety), and this became the solution for the Flora of North America (Argus 2010). Whether it reaches East Chukotka is not known. We would perhaps prefer to accept these two parapatric races as subspecies rather than as varieties.
- **Salix rotundifolia var. dodgeana (Rydb.) E.Murray** according to WCSP ; Comments: WCSP
- **Salix rotundifolia var. dodgeana (Rydb.) A. E. Murray** according to FNA ; Comments: FNA

Salix rotundifolia subsp. rotundifolia Trautv. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Salix rotundifolia var. dodgeana (Rydb.) A.E.Murray (GUID: ipni-922667-1). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Salix rotundifolia subsp. dodgeana (Rydb.) Argus** according to ACCS ; Comments: Panarctic Flora Checklist

Salix rotundifolia var. dodgeana (Rydb.) E.Murray (GUID: kew-5002674). In Alaska according to PAF. An *accepted name* according to WCSP, PAF.

Salix rotundifolia var. rotundifolia (GUID: trop-50307770). In Alaska according to PAF, FNA. An *accepted name* according to PAF, FNA.

Salix scouleriana Barratt ex Hook. (GUID: trop-28300072). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix setchelliana C.R.Ball (GUID: ipni-778847-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix sitchensis Sanson ex Bong. (GUID: ipni-778867-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Salix sphenophylla A.K.Skvortsov (GUID: ipni-297246-2). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, WCSP, FNA**.

Salix sphenophylla Skvort. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Salix sphenophylla subsp. pseudotorulosa A.K.Skvortsov (GUID: ipni-226195-2). In Alaska according to **PAF**. An *accepted name* according to **WCSP, PAF**. A *synonym* of:

- **Salix sphenophylla A. K. Skvortsov** according to **FNA** ; Comments: **FNA**

Salix sphenophylla subsp. pseudotorulosa Skvort. (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Salix stolonifera Coville (GUID: ipni-778926-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Salix × fragilis L. (GUID: ipni-777611-1). In Alaska according to **FNA**. An *accepted name* according to **WCSP, FNA**.

Salix × sepulcralis Simonk. (GUID: ipni-50923511-1). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**. A *synonym* of:

- **Salix × salamonii (Carrière) Carrière** according to **WCSP** ; Comments: **WCSP**

Salviniaceae

Azolla filiculoides Lam. (GUID: ipni-17056950-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Santalaceae

Arceuthobium campylopodum subsp. tsugense (Rosendahl) Nickrent (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Arceuthobium capylopodum subsp. tsugense (Rosend.) Nickrent (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Arceuthobium tsugense (Rosend.) G.N.Jones (GUID: ipni-17626-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Arceuthobium capylopodum subsp. tsugense (Rosend.) Nickrent** according to **ACCS** ; Comments: **Flora of North America**
- **Arceuthobium campylopodum subsp. tsugense (Rosendahl) Nickrent** according to **FNA** ; Comments: **FNA**

Comandra umbellata (L.) Nutt. (GUID: trop-28500002). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Geocaulon lividum Fernald (GUID: ipni-108804-2). In Alaska according to **PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Sapindaceae

Acer circinatum Pursh (GUID: ipni-781259-1). In Alaska according to **ACCS**. An *accepted name* according to **WCSP, ACCS**.

Acer glabrum Torr. (GUID: ipni-781318-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Acer glabrum subsp. douglasii (Hook.) Wesm. (GUID: ipni-1784-2). In Alaska according to **ALA**. An *accepted name* according to **ALA**. A *synonym* of:

- **Acer glabrum var. douglasii (Hook.) Dippel** according to **WCSP** ; Comments: **WCSP**

Acer glabrum subsp. douglasii (Hook.) Wesmael (GUID: trop-200026). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Acer glabrum var. douglasii (Hook.) Dippel (GUID: ipni-1783-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Acer glabrum subsp. douglasii (Hook.) Wesmael** according to **ACCS** ; Comments: **D.F. Murray**

Sarraceniaceae

Sarracenia purpurea subsp. purpurea (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Saxifragaceae

Boykinia richardsonii (Hook.) Rothr. (GUID: ipni-1012693-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Boykinia richardsonii A.Gray (GUID: ipni-35799-2). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Chrysosplenium rosendahlii Packer (GUID: ipni-790654-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Chrysosplenium tetrandrum Th.Fr. (GUID: ipni-57983-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Chrysosplenium wrightii Franch. & Sav. (GUID: ipni-790689-1). In Alaska according to **ALA, PAF, FNA**. An *accepted name* according to **ALA, PAF, WCSP, FNA**.

Chrysosplenium wrightii Franch. & Savigny (GUID: NULL). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Chrysosplenium wrightii var. beringianum (Rose) H.Hara (GUID: ipni-57984-2). In Alaska according to **ACCS**. An *accepted name* according to **WCSP**. A *synonym* of:

- **Chrysosplenium wrightii Franch. & Savigny** according to **ACCS** ; Comments: **Panarctic Flora Checklist**

Heuchera glabra Willd. ex Roem. & Schult. (GUID: ipni-791337-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Leptarrhena pyrolifolia (D. Don) R. Br. ex Ser. (GUID: trop-29100408). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Leptarrhena pyrolifolia (D. Don) Ser. (GUID: ipni-1044149-2). In Alaska according to **ALA, PAF**. An *accepted name* according to **ALA, PAF**.

Micranthes calycina (Sternb.) Gornall & H.Ohba (GUID: ipni-77093827-1). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Micranthes charlottae (Calder & Savile) (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes ferruginea (Graham) Brouillet & Gornall (GUID: ipni-60450197-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Micranthes foliolosa (R.Br.) Gornall (GUID: ipni-60450198-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Micranthes hieraciifolia (Waldst. & Kit. ex Willd.) Haw. (GUID: ipni-791886-1). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA. A *synonym* of:

- **Saxifraga hieraciifolia Waldst. & Kit. ex Willd.** according to WCSP ; Comments: WCSP

Micranthes hieraciifolia subsp. hieraciifolia (GUID: trop-50326550). In Alaska according to PAF. An *accepted name* according to PAF.

Micranthes hieraciifolia subsp. hieraciifolia (Waldst. & Kit. ex Willd.) Haw. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes hieraciifolia subsp. longifolia (Engl. & Irmsch.) Elven & D.F.Murray (GUID: ipni-77099617-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Micranthes lyallii (Engl.) Small (GUID: ipni-160046-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Micranthes lyallii subsp. hultenii (Calder & Savile) Elven & D.F.Murray (GUID: ipni-77099618-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Micranthes nelsoniana (D.Don) Small (GUID: ipni-1210342-2). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes nelsoniana subsp. insularis (Hultén) Elven & D.F.Murray (GUID: ipni-77099620-1). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Micranthes nelsoniana subsp. nelsoniana (GUID: trop-50326554). In Alaska according to PAF. An *accepted name* according to PAF.

Micranthes nelsoniana subsp. nelsoniana (D. Don) Small (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes nelsoniana var. insularis (Hultén) Gornall & H.Ohba (GUID: ipni-60450206-2). In Alaska according to FNA. An *accepted name* according to FNA. A *synonym* of:

- **Micranthes nelsoniana subsp. insularis (Hultén) Elven & D.F. Murray** according to PAF ; Comments: Arctic occurrence of subsp. [insularis] is documented only from Nunivak Island (ALA).

Micranthes nelsoniana var. nelsoniana (GUID: trop-50307480). In Alaska according to FNA. An *accepted name* according to FNA.

Micranthes nelsoniana var. porsildiana (Calder & Savile) Gornall & H.Ohba (GUID: ipni-77099565-1). In Alaska according to FNA. An *accepted name* according to FNA.

Micranthes nivalis (L.) Small (GUID: trop-50123345). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA. A *synonym* of:

- **Saxifraga nivalis L.** according to WCSP ; Comments: WCSP

Micranthes nudicaulis (D. Don) Gornall & H. Ohba (GUID: ipni-60450208-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Micranthes nudicaulis subsp. nudicaulis (D. Don) Gornall & H. Ohba (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes occidentalis (S. Watson) Small (GUID: ipni-1135869-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Micranthes pacifica (Hultén) (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes porsildiana (Calder & Savile) Elven & D.F. Murray (GUID: ipni-77099621-1). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes razshivinii (Zhmylev) Brouillet & Gornall (GUID: ipni-60450210-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Micranthes reflexa (Hook.) Small (GUID: trop-50123418). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Micranthes rufopilosa (Hultén) (GUID: NULL). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Micranthes spicata (D. Don) Small (GUID: trop-50123431). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Micranthes tenuis (Wahlenb.) H. Sm. ex Lindm. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Micranthes tenuis (Wahlenb.) Small (GUID: trop-50123424). In Alaska according to PAF, FNA. An *accepted name* according to PAF, FNA.

Micranthes tolmiei (Torr. & A. Gray) Brouillet & Gornall (GUID: ipni-77093825-1). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Micranthes unalaschcensis (Sternb.) Gornall & H. Ohba (GUID: ipni-60450214-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to PAF, ACCS, FNA.

Mitella nuda L. (GUID: ipni-791967-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Mitella pentandra Hook. (GUID: ipni-162780-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Mitella trifida Graham (GUID: ipni-791980-1). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Saxifraga adscendens L. (GUID: ipni-228292-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Saxifraga adscendens subsp. oregonensis (Raf.) Bacig. in Abrams (GUID: ipni-228293-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Saxifraga adscendens Linnaeus** according to FNA ; Comments: FNA

Saxifraga aizoides L. (GUID: ipni-228297-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Saxifraga aleutica Hultén (GUID: ipni-793176-1). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Saxifraga bracteata D.Don (GUID: ipni-793316-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Saxifraga bronchialis subsp. cherlerioides (D.Don) Hultén (GUID: ipni-228327-2). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Saxifraga cherlerioides D. Don** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Saxifraga cherlerioides D. Don** according to **FNA** ; Comments: FNA

Saxifraga bronchialis subsp. funstonii (Small) Hultén (GUID: trop-29100571). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Saxifraga funstonii (Small) Fed.** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Saxifraga funstonii (Small) Fedde** according to **PAF** ; Comments: Zhmylev: [Saxifraga funstonii] is a mainly arctic amphiberingian species differing from [S. spinulosa] in long cilia and broad petals but with transitions (hybridization?) in regions where they grow together. Therefore, the western boundary of [S. funstonii] in Siberia is not entirely clear. Elven: The transitions perhaps might indicate rank as race or (due to the chromosome number variation) a highly polyploid hybrid complex.
- **Saxifraga funstonii (Small) Fedde** according to **ACCS** ; Comments: Panarctic Flora Checklist

Saxifraga calycina Sternb. (GUID: ipni-228355-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Micranthes calycina (Sternb.) Gornall & H. Ohba** according to **PAF** ; Comments: See also [Micranthes razshivinii]. Zhmylev: [Micranthes calycina] is an amphiberingian and mainly arctic species. Plants looking like the closely related [M. unalaschensis], but differing from it in glandular hairs in the inflorescence, are often found on the Bering Sea islands and in mainland Alaska north to the Seward Peninsula.
- **Micranthes calycina (Sternb.) Gornall & H. Ohba** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Micranthes calycina (Sternberg) Gornall & H. Ohba** according to **FNA** ; Comments: FNA

Saxifraga cernua L. (GUID: ipni-793400-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, WCSP, ACCS, FNA**.

Saxifraga cespitosa L. (GUID: ipni-228334-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **WCSP, ACCS, ALA, FNA**.

Saxifraga cespitosa subsp. cespitosa (GUID: trop-29100871). In Alaska according to **PAF, ALA, ACCS**. An *accepted name* according to **PAF, ALA, ACCS**.

Saxifraga cespitosa subsp. monticola (Small) A.E.Porsild (GUID: ipni-228346-2). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Saxifraga cespitosa Linnaeus** according to **FNA** ; Comments: FNA

Saxifraga cherlerioides D.Don (GUID: ipni-228369-2). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ACCS, FNA**.

Saxifraga codyana Zhmylev (GUID: ipni-961136-1). In Alaska according to **ALA, PAF, ACCS, ACCS**. An *accepted name* according to **PAF**. A *synonym* of:

- **Saxifraga funstonii (Small) Fed.** according to **ALA** ; Comments: det. David F. Murray
- **Saxifraga funstonii (Small) Fedde** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Saxifraga codyana Zhmylev** according to **ACCS** ; Comments: Panarctic Flora Checklist

Saxifraga eschscholtzii Sternb. (GUID: trop-29100587). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Saxifraga ferruginea Graham (GUID: ipni-793641-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Micranthes ferruginea (Graham) Brouillet & Gornall** according to **PAF** ; Comments: [Micranthes ferruginea] reaches the Borderline Arctic. The northernmost occurrence mapped by Porsild and Cody (1980) and Hultén and Fries (1986), on the eastern slope of the northern Mackenzie Mountains in the Northwest Territories, is within or close to the Arctic.
- **Micranthes ferruginea (Graham) Brouillet & Gornall** according to **ACCS** ; Comments: Flora of North America
- **Micranthes ferruginea (Graham) Brouillet & Gornall** according to **FNA** ; Comments: FNA

Saxifraga flagellaris subsp. platysepala (Trautv.) A.E.Porsild (GUID: ipni-228426-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **WCSP, FNA**. A *synonym* of:

- **Saxifraga platysepala (Trautv.) Tolm.** according to **ALA** ; Comments:
- **Saxifraga platysepala (Trautv.) Tolm.** according to **ACCS** ; Comments: Panarctic Flora Checklist

Saxifraga flagellaris subsp. setigera (Pursh) Tolm. (GUID: ipni-228428-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **FNA**. A *synonym* of:

- **Saxifraga setigera Pursh** according to **ALA** ; Comments: Elven, R. et al. 2003
- **Saxifraga setigera Pursh** according to **PAF** ; Comments: Zhmylev: [Saxifraga setigera] is an eastern Siberian-Asian and northwestern North American arctic-alpine species, distinguished from the also diploid Caucasian [S. flagellaris] Willd. s. str. by presence of glandular hairs on stolons and length of cilia on the leaves. These characters, however, are not always well expressed.
- **Saxifraga setigera Pursh** according to **ACCS** ; Comments: Panarctic Flora Checklist

Saxifraga foliolosa R.Br. (GUID: ipni-793668-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Micranthes foliolosa (R. Br.) Gornall** according to **PAF** ; Comments: [Micranthes foliolosa] approaches the Arctic in Iceland but probably not close enough to be a borderline case (Kristinsson 2008). Zhmylev: This species is probably a complex of 2-3 entities formed as a result of polyploidy of pseudoviviparous races of [Micranthes stellaris], [M. redofskyi], and [M. ferruginea]. Elven: The realisation of pseudovivipary (bulbils) may be posterior to the polyploidization, not a feature expressed in the parental plants. Arctic plants of [M. foliolosa] do not vary much. All are morphologically much more similar to [M. redofskyi] than to [M. stellaris] (or [M. ferruginea]). A molecular investigation (AFLP, A. Tribsch unpubl.) connects [M. foliolosa] sampled throughout the Arctic closely to Siberian [M. redofskyi]. Participation of [M. stellaris] in an allopolyploid origin is not supported. Participation of [M. ferruginea] cannot be excluded. Most populations consist of plants with bulbils only or with a single, often small or deformed apical flower. However, populations of large plants with branched scapes and multiple, well-formed flowers are frequent along the Bering Strait in both western Alaska and East Chukotka. Hultén (1968a and later) named these plants [Saxifraga foliolosa] var. [multiflora] and synonymized them with [Saxifraga [Micranthes] redofskyi]. Zhmylev (PAF proposal) synonymized var. [multiflora] with [M. foliolosa]. We have inspected the type and the other Hultén material (S) of var. [multiflora], and also Chukotkan material, and agree with Zhmylev that this variety is not the same as [M. redofskyi]. Note that the lowest chromosome numbers for [M. foliolosa] (2n = 40, 48) are recorded in the regions where this species is most floriferous and where its range overlaps with that of [M. redofskyi]. Variety [multiflora] may be

a 'step' in a hybrid series between [*M. redofskyi*] and perhaps [*M. ferruginea*] on one side and [*M. foliolosa*] s. str. on the other.

- ***Micranthes foliolosa* (R. Br.) Gornall** according to ACCS ; Comments: Panarctic Flora Checklist
- ***Micranthes foliolosa* (R. Brown) Gornall** according to FNA ; Comments: FNA

***Saxifraga funstonii* (Small) Fedde** (GUID: ipni-999798-1). In Alaska according to PAF, ACCS, ALA. An *accepted name* according to PAF, ACCS, ALA.

***Saxifraga hieraciifolia* Waldst. & Kit. ex Willd.** (GUID: ipni-228455-2). In Alaska according to ACCS, ALA, ACCS. An *accepted name* according to WCSP, ALA. A *synonym* of:

- ***Micranthes hieraciifolia* (Waldst. & Kit. ex Willd.) Haw.** according to ACCS ; Comments: Panarctic Flora Checklist
- ***Micranthes hieraciifolia* (Waldst. & Kit. ex Willd.) Haw.** according to ACCS ; Comments: Panarctic Flora Checklist
- ***Micranthes hieraciifolia* (Waldstein & Kitaibel ex Willdenow) Haworth** according to FNA ; Comments: FNA

***Saxifraga hirculus* L.** (GUID: ipni-228461-2). In Alaska according to PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

***Saxifraga hirculus* subsp. *compacta* Hedberg** (GUID: ipni-965857-1). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- ***Saxifraga hirculus* subsp. *alpina* (Engl.) Á.Löve** according to WCSP ; Comments: WCSP
- ***Saxifraga hirculus* Linnaeus** according to FNA ; Comments: FNA

***Saxifraga hirculus* subsp. *compacta* K.O. Hedb.** (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Saxifraga hirculus* subsp. *hirculus (GUID: trop-50142933). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

***Saxifraga hirculus* subsp. *propinqua* (R.Br.) Á.Löve & D.Löve** (GUID: ipni-1195682-2). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS. A *synonym* of:

- ***Saxifraga hirculus* Linnaeus** according to FNA ; Comments: FNA

***Saxifraga hyperborea* R.Br.** (GUID: ipni-793837-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, WCSP, PAF, ACCS, FNA. A *synonym* of:

- ***Saxifraga hyperborea* R. Br.** according to PAF ; Comments: Zhmylev: [*Saxifraga hyperborea*] is a circumpolar arctic-alpine species differing from [*S. rivularis*] s. str. in tiny size, absence of underground runners, and larger hypanthium. These distinctions (except for the runners) are not always obvious. Jørgensen and Elven: Additional differences are reported by Guldahl et al. (2005) and Jørgensen et al. (2006). The two species are distinctly different in several characters. Plants with transitional features are known and at least one of these is counted as a triploid (sterile) hybrid (Borgen and Elven 1983). [*Saxifraga flexuosa*] has been considered an alpine parallel to the high-arctic [*S. hyperborea*], e.g., tentatively by Webb and Gornall (1989: 285). It is reported from alpine parts of western North America north to the Brooks Range and the Richardson Mountains and also from similar parts of the Russian Far East north to East Chukotka (recorded as rare in East Chukotka, as scattered in West Alaska, and as frequent in North Alaska-Yukon). We have seen much material from both northeastern Asia and North America and has not seen any difference between Asian and American plants. Zhmylev (PAF proposal) identified all the diploid, more southern amphi-Beringian plants assigned to [*S. flexuosa*] as [*S. hyperborea*]. We found [*S. flexuosa*] to share its main diagnostic characters with

high-arctic [*S. hyperborea*] but to differ slightly in a few, quantitative characters (e.g., longer pedicels). In comparative cultivation, [*S. flexuosa*] and [*S. hyperborea*] retained or rather strengthened their differences in general appearance. However, they were inseparable in molecular markers (AFLP). With the data now available, we follow Zhmylev's synonymization. Further investigations may show some racial differentiation between the high-arctic and the Pacific alpine plants. The Cordilleran [*S. debilis*] Engelm. ex A. Gray, Proc. Acad. Nat. Sci. Philadelphia 15: 62 (1864), described from the Rocky Mountains in Wyoming, Colorado, and Utah, has been assigned to [*S. hyperborea*] as a subspecies: subsp. [*debilis*] (Engelm. ex A. Gray) Á. Löve, D. Löve & B.M. Kapoor, Arctic Alpine Res. 3: 151 (1971). It differs in several features from both [*S. hyperborea*] (including [*S. flexuosa*]) and [*S. rivularis*] and rather resembles [*S. sibirica*] and also Cordilleran [*S. cernua*]. Preliminary molecular data (Gabrielsen unpubl.) indicate relationship with both [*S. cernua*] and [*S. hyperborea*] and it may be parental in the evolution of parts of [*S. cernua*]. [*Saxifraga debilis*] is accepted by Brouillet and Elvander (2009b).

***Saxifraga insularis* (Hultén) Sipliv.** (GUID: trop-29101363). In Alaska according to ALA. An *accepted name* according to ALA. A *synonym* of:

- ***Micranthes nelsoniana* subsp. *insularis* (Hultén) Elven & D.F. Murray** according to PAF ; Comments: Arctic occurrence of subsp. [*insularis*] is documented only from Nunivak Island (ALA).

***Saxifraga lyallii* Engl.** (GUID: ipni-794018-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Micranthes lyallii* (Engl.) Small** according to ACCS ; Comments: Panarctic Flora Checklist

***Saxifraga lyallii* subsp. *hultenii* (Calder & Savile) Calder & Savile** (GUID: ipni-228489-2). In Alaska according to ALA. An *accepted name* according to ALA.

***Saxifraga mertensiana* Bong.** (GUID: ipni-228500-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

***Saxifraga nelsoniana* D. Don** (GUID: ipni-794148-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- ***Micranthes nelsoniana* (D. Don) Small** according to ACCS ; Comments: Panarctic Flora Checklist

Saxifraga nelsoniana* subsp. *nelsoniana (GUID: trop-50081920). In Alaska according to ALA. An *accepted name* according to ALA.

***Saxifraga nelsoniana* subsp. *pacifica* (Hultén) Hultén** (GUID: ipni-891160-1). In Alaska according to ACCS. An *accepted name* according to ALA. A *synonym* of:

- ***Micranthes pacifica* (Hultén)** according to ACCS ; Comments: Panarctic Flora Checklist

***Saxifraga nivalis* L.** (GUID: ipni-228527-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP. A *synonym* of:

- ***Micranthes nivalis* (L.) Small** according to PAF ; Comments: For [*Saxifraga* [*Micranthes*]] x [*jamalensis*] (Zhmylev & Razzhivin), see Excluded taxa.
- ***Micranthes nivalis* (L.) Small** according to ACCS ; Comments: Panarctic Flora Checklist
- ***Micranthes tenuis* (Wahlenb.) Small** according to PAF ; Comments:
- ***Micranthes nivalis* (Linnaeus) Small in N. L. Britton et al.** according to FNA ; Comments: FNA

Saxifraga nudicaulis D. Don (GUID: ipni-794171-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Micranthes nudicaulis (D. Don) Gornall & H. Ohba** according to **PAF** ; Comments: The Pacific Asian subsp. [vaginalis] (Turcz. ex Ledeb.) does not reach the Arctic.
- **Micranthes nudicaulis (D. Don) Gornall & H. Ohba** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Micranthes nudicaulis (D. Don) Gornall & H. Ohba** according to **FNA** ; Comments: FNA

Saxifraga oppositifolia L. (GUID: ipni-794201-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA, WCSP, ACCS**.

Saxifraga oppositifolia subsp. oppositifolia (GUID: trop-29100091). In Alaska according to **ALA, FNA**. An *accepted name* according to **ALA, FNA**.

Saxifraga oppositifolia subsp. smalliana (Engl. & Irmsch.) Hultén (GUID: ipni-228550-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Saxifraga platysepala (Trautv.) Tolm. (GUID: ipni-794300-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, ACCS**. A *synonym* of:

- **Saxifraga flagellaris subsp. platysepala (Trautv.) A.E.Porsild** according to **WCSP** ; Comments: WCSP

Saxifraga porsildiana Jurtzev & V.V. Petrovsky (GUID: trop-29100181). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Micranthes porsildiana (Calder & Savile) Elven & D.F. Murray** according to **ACCS** ; Comments: Panarctic Flora Checklist

Saxifraga radiata Small (GUID: ipni-228607-2). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**. A *synonym* of:

- **Saxifraga sibirica L.** according to **WCSP** ; Comments: WCSP

Saxifraga razshivinii Zhmylev (GUID: ipni-940176-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, WCSP**. A *synonym* of:

- **Micranthes razshivinii (Zhmylev) Brouillet & Gornall** according to **PAF** ; Comments: Zhmylev: [Micranthes razshivinii] is a Yukon Territory [and northeastern Alaskan] hypoarctic species, similar to [M. calycina] but differs from it in glabrous inflorescence, spathulate leaves with fewer than 7 teeth, and long rhizome. Murray and Elven: An inspection of material from Alaska and the Yukon Territory (ALA) gave support to two parapatric taxa: [Micranthes razshivinii] in the Yukon Territory and the eastern and northeastern parts of Alaska west to 152 W in both the Alaska and Brooks ranges, overlapping with [M. calycina] which occurs westwards from 149 W in both ranges and farther south in Alaska, but perhaps not in the Yukon Territory.
- **Micranthes razshivinii (Zhmylev) Brouillet & Gornall** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Micranthes razshivinii (Zhmylev) Brouillet & Gornall** according to **FNA** ; Comments: FNA

Saxifraga reflexa Hook. (GUID: ipni-228612-2). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Micranthes reflexa (Hook.) Small** according to **ACCS** ; Comments: Panarctic Flora Checklist
- **Micranthes reflexa (Hooker) Small in N. L. Britton et al.** according to **FNA** ; Comments: FNA

Saxifraga reflexa subsp. occidentalis (S. Watson) Hultén (GUID: ipni-891175-1). In Alaska according to **ACCS**. An *accepted name* according to **ALA**. A *synonym* of:

- **Micranthes occidentalis (S. Watson) Small** according to ACCS ; Comments: Flora of North America
- **Micranthes occidentalis (S. Watson) Small in N. L. Britton et al.** according to FNA ; Comments: FNA

Saxifraga rivularis L. (GUID: ipni-30062111-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Saxifraga rivularis auct. (GUID: NULL). In Alaska according to ALA. An *accepted name* according to ALA.

Saxifraga rivularis subsp. arctolitoralis (Jurtzev & V. V. Petrovsky) M. H. Jørgensen & Elven (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Saxifraga rivularis subsp. arctolitoralis (Jurtzev & V.V.Petrovsky) M.H.Jørg. & Elven (GUID: ipni-77076422-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to WCSP, ALA, PAF, ACCS.

Saxifraga serpyllifolia Pursh (GUID: ipni-228632-2). In Alaska according to ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA, WCSP.

Saxifraga serpyllifolia subsp. serpyllifolia (GUID: trop-50324870). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF.

Saxifraga serpyllifolia subsp. serpyllifolia Pursh (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Saxifraga setigera Pursh (GUID: ipni-794528-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Saxifraga flagellaris subsp. setigera (Pursh) Tolmatchew** according to FNA ; Comments: FNA

Saxifraga sibirica L. (GUID: ipni-794530-1). In Alaska according to ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Saxifraga bracteata D. Don** according to ACCS ; Comments: Panarctic Flora Checklist

Saxifraga spicata D. Don (GUID: ipni-794560-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Micranthes spicata (D. Don) Small** according to ACCS ; Comments: Panarctic Flora Checklist

Saxifraga tenuis (Wahlenb.) Harry Sm. ex Lindm. (GUID: trop-29100109). In Alaska according to ALA. An *accepted name* according to ALA, WCSP. A *synonym* of:

- **Micranthes tenuis (Wahlenb.) Small** according to PAF ; Comments:
- **Micranthes tenuis (Wahlenberg) Small in N. L. Britton et al.** according to FNA ; Comments: FNA

Saxifraga tolmiei Torr. & A. Gray (GUID: ipni-794652-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Micranthes tolmiei (Torr. & A. Gray) Brouillet & Gornall** according to ACCS ; Comments: Panarctic Flora Checklist

Saxifraga tricuspidata Rottb. (GUID: ipni-794663-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Saxifraga unalaschcensis Sternb. (GUID: ipni-794686-1). In Alaska according to ACCS, ALA, ACCS. An *accepted name* according to ALA. A *synonym* of:

- **Micranthes unalaschensis (Sternb.) Gornall & H. Ohba** according to ACCS ; Comments: Panarctic Flora Checklist
- **Micranthes unalaschensis (Sternb.) Gornall & H. Ohba** according to PAF ; Comments: Zhmylev: [Micranthes unalaschensis] is a southern Beringian boreal species, distributed mainly in the Commander and Aleutian islands. It may occur also on the Bering Sea islands and on the coast of Chukchi Peninsula and Alaska [see map by Hultén (1968a)], from where transition forms to [M. calycina] (hybrids?; Siplivinsky 1976) are known. Murray and Elven: [Micranthes unalaschensis] is documented (ALA) to occur as rare in the Arctic in southwestern Alaska. Transitions towards [M. calycina] occur farther north.
- **Micranthes unalaschensis (Sternb.) Gornall & H. Ohba** according to ACCS ; Comments: Panarctic Flora Checklist
- **Micranthes unalaschensis (Sternberg) Gornall & H. Ohba** according to FNA ; Comments: FNA

Tellima grandiflora (Pursh) Douglas ex Lindl. (GUID: ipni-30328517-2). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to WCSP, ACCS, ALA, FNA.

Tiarella trifoliata L. (GUID: ipni-794902-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Tiarella trifoliata var. laciniata (Hook.) Wheelock (GUID: trop-29100653). In Alaska according to ACCS. An *accepted name* according to ALA, ACCS.

Tiarella trifoliata var. trifoliata (GUID: trop-29100781). In Alaska according to FNA, ACCS. An *accepted name* according to FNA, ACCS.

Tiarella trifoliata var. unifoliata (Hook.) Kurtz (GUID: ipni-1007627-2). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Tiarella unifoliata Hook.** according to ACCS ; Comments: Flora of North America

Tiarella unifoliata Hook. (GUID: ipni-253006-2). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS. A *synonym* of:

- **Tiarella trifoliata var. unifoliata (Hooker) Kurtz** according to FNA ; Comments: FNA

Tolmiea menziesii (Pursh) Torr. & A. Gray (GUID: trop-29100117). In Alaska according to ACCS, ALA, FNA. An *accepted name* according to ACCS, ALA, WCSP, FNA.

Scheuchzeriaceae

Scheuchzeria palustris L. (GUID: ipni-229097-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Scrophulariaceae

Limosella aquatica L. (GUID: ipni-804380-1). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, WCSP, ACCS.

Verbascum thapsus L. (GUID: ipni-770183-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Selaginellaceae

Selaginella selaginoides (L.) Beauvais (GUID: NULL). In Alaska according to **ALA**. An *accepted name* according to **ALA**.

Selaginella selaginoides (L.) P. Beauv. ex Mart. & Schrank (GUID: trop-26613766). In Alaska according to **ACCS, PAF**. An *accepted name* according to **ACCS, PAF**.

Selaginella selaginoides (Linnaeus) Palisot de Beauvois ex Martius & Schrank (GUID: NULL). In Alaska according to **FNA**. An *accepted name* according to **FNA**.

Selaginella sibirica (Milde) Hieron. (GUID: trop-26602898). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Selaginella standleyi Maxon (GUID: ipni-232305-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, ACCS, FNA**.

Selaginella wallacei Hieron. (GUID: ipni-232344-2). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Solanaceae

Solanum nigrum L. (GUID: ipni-820245-1). In Alaska according to **ALA, ACCS**. An *accepted name* according to **ALA, ACCS**.

Solanum physalifolium Rusby (GUID: ipni-820494-1). In Alaska according to **ACCS**. An *accepted name* according to **ACCS**.

Taxaceae

Taxus brevifolia Nutt. (GUID: ipni-249736-2). In Alaska according to **ALA, ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Thelypteridaceae

Phegopteris connectilis (Michx.) Watt (GUID: ipni-17344580-1). In Alaska according to **ALA, PAF, ACCS, FNA**. An *accepted name* according to **ALA, PAF, ACCS, FNA**.

Thelypteris quelpaertensis (H. Christ) Ching (GUID: trop-26609145). In Alaska according to **FNA, ALA, ACCS**. An *accepted name* according to **FNA, ALA, ACCS**.

Thymelaeaceae

Daphne mezereum L. (GUID: ipni-831294-1). In Alaska according to **ACCS, FNA**. An *accepted name* according to **ALA, WCSP, ACCS, FNA**.

Tofieldiaceae

Tofieldia coccinea Richardson (GUID: ipni-542259-1). In Alaska according to **ALA, PAF, ACCS**. An *accepted name* according to **ALA, PAF, WCSP, ACCS**.

Tofieldia coccinea Richardson in J. Franklin et al. (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Tofieldia pusilla (Michx.) Pers. (GUID: trop-18400794). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Triantha glutinosa (Michx.) Baker (GUID: trop-18404070). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Triantha occidentalis (S.Watson) R.R.Gates (GUID: ipni-1115367-2). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS.

Triantha occidentalis subsp. brevistyla (C.L.Hitchc.) Packer (GUID: ipni-1055354-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to WCSP, ALA, ACCS, FNA.

Triantha occidentalis subsp. montana (C.L.Hitchc.) Packer (GUID: ipni-1014565-2). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to WCSP, ALA, ACCS, FNA.

Typhaceae

Sparganium angustifolium Michx. (GUID: ipni-836746-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Sparganium emersum Rehmman (GUID: ipni-836755-1). In Alaska according to ALA, FNA. An *accepted name* according to WCSP, FNA. A *synonym* of:

- **Sparganium angustifolium** Michx. according to ALA ; Comments: ITIS; ITISca; ITISca.
ITIS-URL

Sparganium hyperboreum Beurling ex Laest. (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Sparganium hyperboreum Laest. ex Beurl. (GUID: ipni-836768-1). In Alaska according to ALA, PAF, FNA. An *accepted name* according to ALA, PAF, WCSP, FNA.

Sparganium multipedunculatum (Morong) Rydb. (GUID: ipni-1102543-2). In Alaska according to ALA, PAF, ACCS. An *accepted name* according to ALA, PAF, ACCS. A *synonym* of:

- **Sparganium emersum** Rehmman according to WCSP ; Comments: WCSP

Sparganium natans L. (GUID: ipni-836776-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, WCSP, ACCS, FNA.

Typha latifolia L. (GUID: ipni-147809-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Urticaceae

Urtica dioica L. (GUID: ipni-857539-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Urtica dioica subsp. dioica (GUID: trop-33400021). In Alaska according to ALA, FNA, ACCS. An *accepted name* according to ALA, FNA, ACCS.

Urtica dioica subsp. gracilis (Aiton) Selander (GUID: ipni-260634-2). In Alaska according to ALA, FNA, ACCS. An *accepted name* according to ALA, FNA. A *synonym* of:

- **Urtica gracilis** Aiton according to ACCS ; Comments: Panarctic Flora Checklist

Urtica dioica subsp. sondenii (Simmons) Hyl. (GUID: kew-2448544). In Alaska according to PAF. An *accepted name* according to PAF. A *synonym* of:

- **Urtica sondenii (Simmons) Avrorin ex Geltman** according to WCSP ; Comments: WCSP

Urtica gracilis Aiton (GUID: ipni-857606-1). In Alaska according to ACCS. An *accepted name* according to ACCS. A *synonym* of:

- **Urtica dioica subsp. gracilis (Aiton) Selander** according to FNA ; Comments: FNA

Urtica urens L. (GUID: ipni-150154-3). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Violaceae

Viola adunca Sm. (GUID: ipni-867564-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Viola adunca var. adunca (GUID: trop-33800756). In Alaska according to ACCS, FNA. An *accepted name* according to FNA. A *synonym* of:

- **Viola adunca Sm.** according to ACCS ; Comments: Panarctic Flora Checklist

Viola biflora L. (GUID: ipni-867746-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Viola biflora subsp. biflora (GUID: trop-33800795). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Viola biflora var. biflora (GUID: trop-50296309). In Alaska according to FNA. An *accepted name* according to FNA.

Viola canadensis L. (GUID: ipni-867832-1). In Alaska according to ACCS. An *accepted name* according to WCSP, ACCS. A *synonym* of:

- **Viola adunca var. adunca [E F]** according to FNA ; Comments: FNA

Viola canadensis var. rugulosa (Greene) C.L.Hitchc. (GUID: ipni-265788-2). In Alaska according to ACCS, FNA. An *accepted name* according to ACCS, FNA.

Viola epipsila Ledeb. (GUID: ipni-868109-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Viola epipsila subsp. repens (Turcz. ex Trautv. & C.A. Mey.) Becker (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Viola epipsila subsp. repens W.Becker (GUID: ipni-60453407-2). In Alaska according to ALA, PAF. An *accepted name* according to ALA, PAF. A *synonym* of:

- **Viola epipsila var. repens (W. Becker) R. J. Little** according to FNA ; Comments: FNA

Viola epipsila var. repens (W.Becker) R.J.Little (GUID: ipni-60454694-2). In Alaska according to FNA. An *accepted name* according to FNA.

Viola epipsiloides Á.Löve & D.Löve (GUID: ipni-294860-2). In Alaska according to ALA, ACCS. An *accepted name* according to WCSP. A *synonym* of:

- **Viola epipsila subsp. repens (Turcz. ex Trautv. & C.A.Mey.) W.Becker** according to ALA ; Comments: ITIS; ITISca; ITISca. ITIS-URL

- **Viola epipsila subsp. repens (Turcz. ex Trautv. & C.A. Mey.) W. Becker** according to PAF ;
Comments: The Trautvetter and Meyer concept of [V. repens] decides the meaning of the names subsp. [repens] and [V. epipsiloides]. [Viola repens] was described from southeastern Siberia (the lake Baikal area), within the range proposed by Tzvelev.
- **Viola epipsila subsp. repens (Turcz. ex Trautv. & C.A. Mey.) Becker** according to ACCS ;
Comments: Panarctic Flora Checklist

Viola glabella Nutt. (GUID: ipni-868221-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Viola langsdorffii Fisch. ex Ging. (GUID: ipni-30411487-2). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Viola renifolia A.Gray (GUID: ipni-869094-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Viola selkirkii Pursh ex Goldie (GUID: ipni-869233-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Viola sempervirens Greene (GUID: ipni-869236-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, ACCS, FNA.

Viola tricolor L. (GUID: ipni-869428-1). In Alaska according to ACCS. An *accepted name* according to ALA, WCSP, ACCS.

Viola tricolor var. tricolor [I] (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Woodsiaceae

Woodsia alpina (Bolton) Gray (GUID: ipni-17234640-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Woodsia glabella R. Br. ex Richardson (GUID: trop-26602658). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, ACCS.

Woodsia glabella R.Br. (GUID: ipni-269087-2). In Alaska according to ALA, FNA. An *accepted name* according to ALA, FNA.

Woodsia ilvensis (L.) R.Br. (GUID: ipni-17234860-1). In Alaska according to ALA, PAF, ACCS, FNA. An *accepted name* according to ALA, PAF, ACCS, FNA.

Woodsia scopulina D.C.Eaton (GUID: ipni-17235160-1). In Alaska according to ALA, ACCS. An *accepted name* according to ALA, ACCS.

Woodsia scopulina subsp. scopulina (GUID: trop-26608832). In Alaska according to ALA. An *accepted name* according to ALA.

Woodsia scopulina subsp. scopulina D. C. Eaton (GUID: NULL). In Alaska according to FNA. An *accepted name* according to FNA.

Woodsia scopulina subsp. scopulina D.C. Eaton (GUID: NULL). In Alaska according to ACCS. An *accepted name* according to ACCS.

Zosteraceae

Phyllospadix scouleri Hook. (GUID: ipni-603097-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Phyllospadix serrulatus Rupr. ex Asch. (GUID: ipni-603098-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Zostera angustifolia (Hornem.) Rchb. (GUID: trop-26300431). In Alaska according to PAF, ACCS. An *accepted name* according to PAF, WCSP, ACCS.

Zostera marina L. (GUID: ipni-603618-1). In Alaska according to ALA, ACCS, FNA. An *accepted name* according to ALA, WCSP, ACCS, FNA.

Totals

Total 3492 names. Names without synonyms: 2517