Dichotomous Key

Assignment 1 Module II

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Bin 1

Needles quadrangular in cross section, stomatiferous on all sides:

Branchlets glabrous; cones 3-6 cm long, dropping at maturity……………………………………………………………Picea glauca

Bin 2

Stem leaves with square base, or auriculate, or clasping:

Basal leaves hirsute or stigose, with simple, branched or sometimes also stellate hairs, or glabrous:

Stem leaves auriculate; plant strongly hirsute at base:

Petals 5-9 mm long, white or pinkish; stem leaves remote…………………………………………………………… …...................................................................................................Arabis hirsute subsp. Pycnocarpa

Similar to subsp. Eschscholtziana, but flowers smaller; petals 2-5 mm long; flowers white or creamy-white, and siliques strictly erect.

Bin 3

1b. Flowers radially symmetrical, various colors…………………………………………………………………………………………………………………

9b. Flowers have sepals only, or have sepals and less showey petals; sepals often petal-like but seldom yellow

18b. All leaves at base, palmate, compound or deeply lobed; whorl of bracts below cluster (the Anemones)

21a. Styles long (1.5-3.5 cm) and feathery at maturity; sepals blue to purplish…………………………….

…………………………………………………………………………………………………………………………Anemones patens

Bin 4

Young capsules pubescent (mature capsules sometimes glabrescent):

Catkins on leafy peduncles or sessile:

Leaves with entire or indistinctly toothed margin:

Adult leaves pubescent on both sides:

Shrub upright; bracts mostly narrower, not black tip:

Leaves not silvery or satiny below:

Catkins on long, leafy peduncles:

Capsules short pedicellated or sessile:

Leaves with petioles more than 2mm long:

Leaves not white-tomentose below; stipules not glandular-margined; catkins smaller:

Leaves grayish-pubescent; capsules densely hairy………………………………………Salix glauca

References:

Hulten, E. Flora of Alaska and Neighboring Territories: A Manual of the Vascular Plants. Stanford University Press, Stanford , 1968.

Johnson, D., Kershaw, L., MacKinnon, A. & Pojar, J. Plants of the Western Boreal Forest & Aspen Parkland. Lone Pine Publishing and the Canadian Forest Service, Edmonton, Alberta Canada, 1995.