Kat Damon

Dichotomous Key

Bin 1 (used picea key provided)

PINACEAE:

1. Needles quadrangular in cross section

B. Cones 3-6 cm long and drop at maturity... ***Pinaceae Glauca***

B’. Cones 1.5-3 cm long and remain for several years...*P. Mariana*

1. Needles are flat at cross section and have white banks of stomata above and are green beneath...*P. sitchensis*

Bin 2

DICOTYLEDONEAE: Cuckoo bitter-cress

1. Leaves are compound and simple
   1. Leaves are alternately located
   2. Leaves not alternate
      1. Flower is radially symmetrical
      2. Flower not symmetrical
         1. 4 petals on flowers
            1. Petals separate, not fused ...***Cardamine pratensis***

Bin 3 (using 26 page Hulten Key for family and internet for specifics)

RANUNCULACEAE: Pasque flower

1. Plant rooted in ground

a. Petals present, evident

b. Petals lacking, not evident

1. more than two sepals
2. less than 2 sepals
   1. Stamens in receptacles, free from calyx.....Ranunculaceae
      1. Leaves covered with silky hairs
      2. Leaves not covered in hairs
         1. Leaves divided
            1. Single large flower

5 light blue or purple petals with dark stamens and yellow centers....***Pulsatilla patens***

* + - * 1. Many flowers

Bin 4

SALICACEAE

1. Trees, Flowers in drooping catkins...Populus
2. Small trees to dwarf shrubs, flowers erect catkins...Salix (Willow)
   1. Plant shorter than 20cm high
      1. Pistils hairy
         1. Leaves undersides have waxy coating
            1. Leaf venation obvious and distinct...*Salix Reticulata*
            2. Leaf venation not obvious or distinctly net...***Salix Arctica***
      2. Pistals not hairy
         1. Forest habitat...*Salix myrtillifolia*
         2. Arctic habitat... *salix rotundifolia*
   2. Plant taller than 20cm high

References:

<http://www.north-slope.org/departments/wildlife-management/other-topics/common-plants-north-slope/list-of-plants-north-slope/plant-list-b-c>

<http://www.flora.dempstercountry.org/V.A.2.Salicaceae/Salicaceae.html>