

APPENDIX E2
VEGETATION CLASSIFICATION SYSTEM PHOTOS

- Photos of examples of different plant communities and associations, to be used in conjunction with Appendix E1, Vegetation Classification System.



Photo 1. Aerial view of glaciofluvial terraces along north road route.



Photo 2. Aerial view of a stream with patterned ground and sedge associations.



Photo 3. Emergent sedge association, Plot 06_VN008.



Photo 4. Non-tussock sedge association, Plot 06_VN011.



Photo 5. Tussock sedge association, Plot 06_VS097.

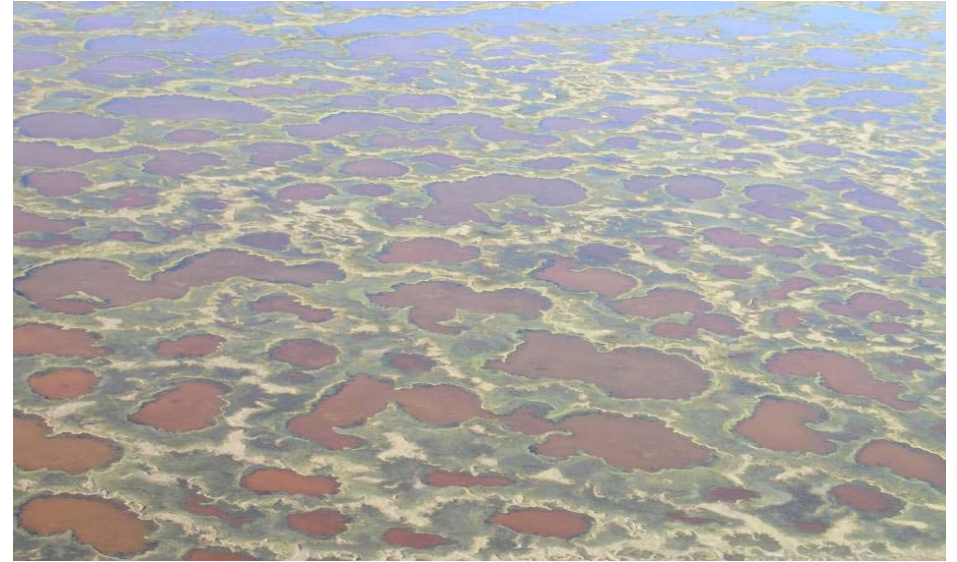


Photo 6. Aerial view of tundra ponds, Sedge-moss wet meadow association between ponds.



Photo 7. Sedge-moss wet meadow association, Plot 05_VN017.



Photo 8. Sedge-moss wet meadow association, typical hummock, Plot 06_VS291.



Photo 9. One of the few arctic annuals, *Koenigia islandica* plants, Plot 06_VS291.



Photo 10. Slope of Deposit #1, showing mossy shoreline association along small stream, Plot 06_V230.



Photo 11. Mossy shoreline association, Plot 06_VN258.



Photo 12. Moss association in valley to west of camp, with mastodon flower, Plot 06_V045.



Photo 13. Mastodon flower, *Senecio congestus*.



Photo 14. Golden saxifrage, *Chrysosplenium tetrandrum*.
Plot 06_V045



Photo 15. *Saxifraga caespitosa* in moss association,
Plot 06_V045.



Photo 16. *Saxifraga foliolosa* in moss association,
Plot 06_V045.



Photo 17. Mossy cliff base with *Eutrema edwardsii*, Plot 06_VN115



Photo 18. Moss association in calcareous area below cliffs, Plot 07_VN252



Photo 19. *Epilobium arcticum* in moss, Plot 07_VN252.



Photo 20. Willow shrubland near pond, Plot 07_VS123.
Bushes are *Salix richardsonii*.

Bushes



Photo 21. Richardson's willow, *Salix richardsonii*, indicator plant, riparian willow association, Plot 07_VS200.



Photo 22. Riparian willow association on sand slope in glaciofluvial complex, Plot 06_VN240.



Photo 23. Riparian willow association in small stream, Plot 06_V159.



Photo 24. Riparian willow association along steep stream near Deposit #1, Plot 05_V055.



Photo 25. Riparian willow association along east side of Cockburn Lake near proposed rail crossing, Plot 08-VS030.



Photo 26. Riparian shoreline shrub association near old Mary River Camp, Plot 05_V051.



Photo 27. Riparian shoreline shrub association at edge of small pond, with unusually tall Richardson's willows. Plot 08-VP38.



Photo 28. Riparian shoreline shrub with Charley Uttak to show height of the willows, Plot 08-VP38.



Photo 29. Heath tundra with blueberry, hillside near proposed ore car dumping facility at Steensby Inlet, Plot 08-VP18.



Photo 30. Blueberry heath association, sheltered slope, Plot 06_VN181.



Photo 31. Lapland rosebay, *Rhododendron lapponicum*, in blueberry mixed heath tundra, Plot 06_VN181.



Photo 32. Blueberry fruits, *Vaccinium uliginosum*, Plot VS_279.



Photo 33. Mouse-ear chickweed, *Cerastium alpinum*, in mixed heath association, Plot 06_VN014.



Photo 34. Heath tundra with *Cassiope tetragona*, glaciofluvial plains near proposed rail crossing over the Mary River, Plot 08-VP24.



Photo 35. White arctic heather, *Cassiope tetragona*.



Photo 36. Mixed heath tundra with *Ledum palustre*, on proposed south route, Plot 07_VS020.



Photo 37. Mixed heath tundra on east side of Cockburn Lake, Plot 07_VS201.



Photo 38. Heather-dry moss association on sandy flats, Plot 06_VN277.



Photo 39. Heather-dry moss association on small ridge near Mary River, Plot 06_V039.



Photo 40. Heather-dry moss association with *Racomitrium lanuginosum* moss in small depression in stagnant ice landform, Plot 06_V263.



Photo 41. Heather-dry moss association on bouldery slope, Plot 07_VS110.



Photo 42. Heather-dry moss association with only *Racomitrium*, on island, Plot 07_VS014.



Photo 43. Snowbank association on NW-facing slope below Deposit #1, Plot 06_V147.



Photo 44. Fleabane, *Erigeron humilis*, one of the indicators of snowbank associations, Plot 06_V147.



Photo 45. Snowbank association on marine terrace at Milne Inlet, Plot 06_VN199.



Photo 46. Mountain sorrel, *Oxyria digyna*, in snowbank association, Plot 06_VN199.



Photo 47. Snowbank association below snow/icefield in valley to NE of Mary River Camp, Plot 06_VN347.



Photo 48. Small snowbank association in lee of bank on proposed port island in Steensby Inlet, across from Steensby Camp, Plot 08-VS013.



Photo 49. Brooklet saxifrage, *Saxifraga rivularis* in snowbank association, Plot 06_VN348.



Photo 50. Shrub-sedge tundra association on old "tote road" north of Mary River Camp, Plot 06_VN259.



Photo 51. Shrub-sedge tundra with *Salix richardsonii* amidst scattered boulders, Plot 06_V243.



Photo 52. Grassy hillside on east side of Cockburn Lake, looking north, Plot 07_VS198.



Photo 53. Fragrant shield fern, *Dryopteris fragrans*, in shelter of rock, Plot 07_VS198.



Photo 54. Dry slope with forbs, in valley to west of Mary River Camp, Plot 07_V001.



Photo 55. Exposed bedrock, Lichen-rock bedrock association in north rail route, Plot 06_VN106. Note mats of *Racomitrium lanuginosum* moss.



Photo 56. Lichen-rock association on bedrock, south end of south route. Plot 07_VS227.



Photo 57. Map lichen, *Rhizocarpon geographicum*, and rock tripe on acidic bedrock, Plot 07_V131.



Photo 58. Lichen-rock bedrock, sandstone ledges, slot canyon complex, Plot 06_VN130.



Photo 59. Crustose lichens (including sunburst lichen) on calcareous bedrock, Plot 07_V010.



Photo 60. Lichen-rock scree slope association, Canyon complex, near north rail route, Plot 06_VN027 area.



Photo 61. Lichen-rock scree slope association with mats of vegetation, on slopes of Deposit #1, Plot 06_V224.



Photo 62. Arctic mouse-ear chickweed, likely *Cerastium arcticum*, Plot 06_V224.



Photo 63. Lichen-rock boulder field association on west-facing slope of Cockburn Lake near proposed rail crossing, near Plot 08-VP37.



Photo 64. Lichen-rock boulder field showing vegetation in mats or between boulders, Plot 06_VN217.



Photo 65. Close-up of vegetation mat in Lichen-rock boulder field, Plot 06_VN217.



Photo 66. Lichen rock felsenmeer, limestone and sandstone frost-shattered fragments, north road route, Plot 06_VN178.



Photo 67. Jewel lichen, *Xanthoria elegans*, grows on calcareous rocks, Plot 06_VN280.

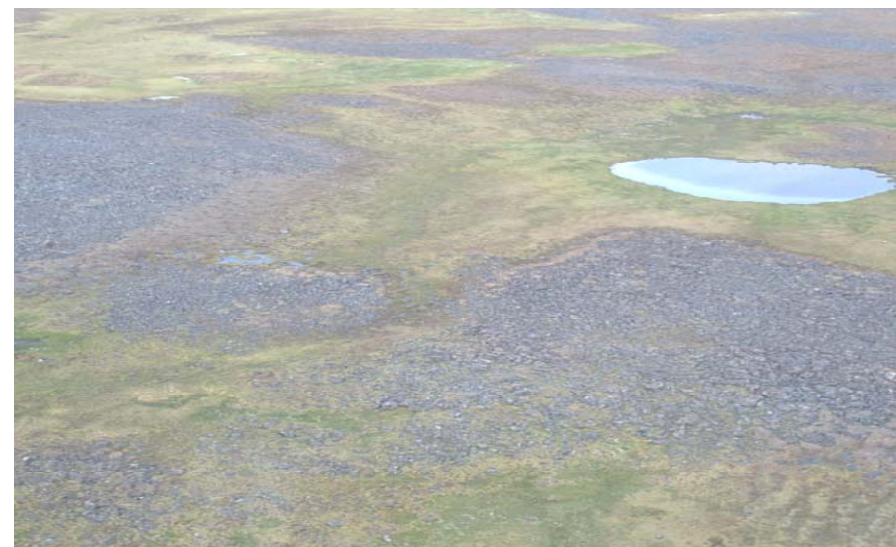


Photo 68. Large felsenmeer and sedge associations, from the air. Dark gray part is the felsenmeer, green is sedges.



Photo 69. Acidic rock felsenmeer along proposed south rail route, Plot 07_VS117.



Photo 70. Lichen-rock iron deposit association. Top of Deposit #1, showing fragmented rock, Plot 05_V010.



Photo 71 Lichen-rock iron deposit association. Crest of Deposit #1, Plot 05_V010.



Photo 72. Arctic poppy, *Papaver radicatum*, on iron deposit, Plot 05_V011.



Photo 73. Lichen-rock iron association on iron-rich bedrock outcrop, near Plot 05_V006.

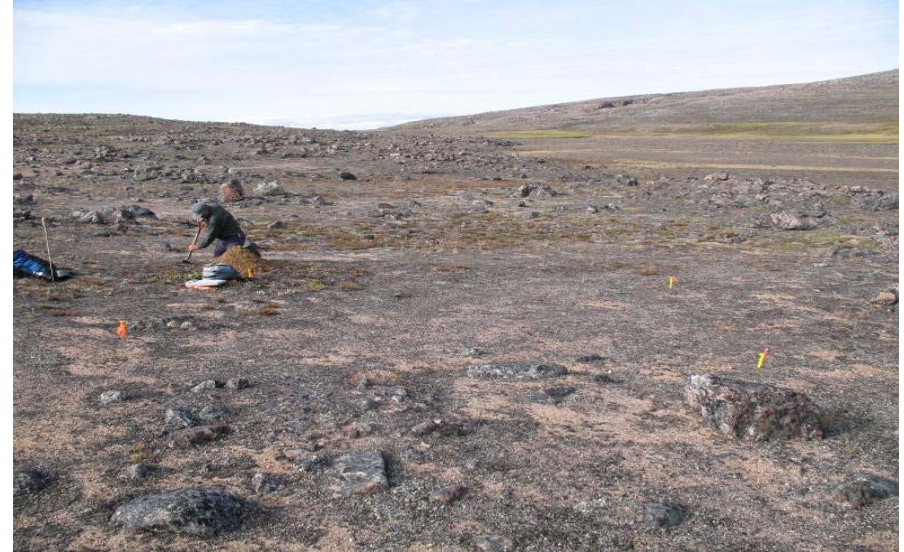


Photo 74. Lichen veneer on glaciofluvial terrace, proposed south route, Plot 07_VS287.



Photo 75. Lichen veneer, close-up of lichen flora, Plot 07_VS287.



Photo 76. Lichen veneer, hair lichens (*Alectoria ochroleuca*), Plot 07_VS287.