



Supplement of

Thermo-erosion gullies boost the transition from wet to mesic vegetation

N. Perreault et al.

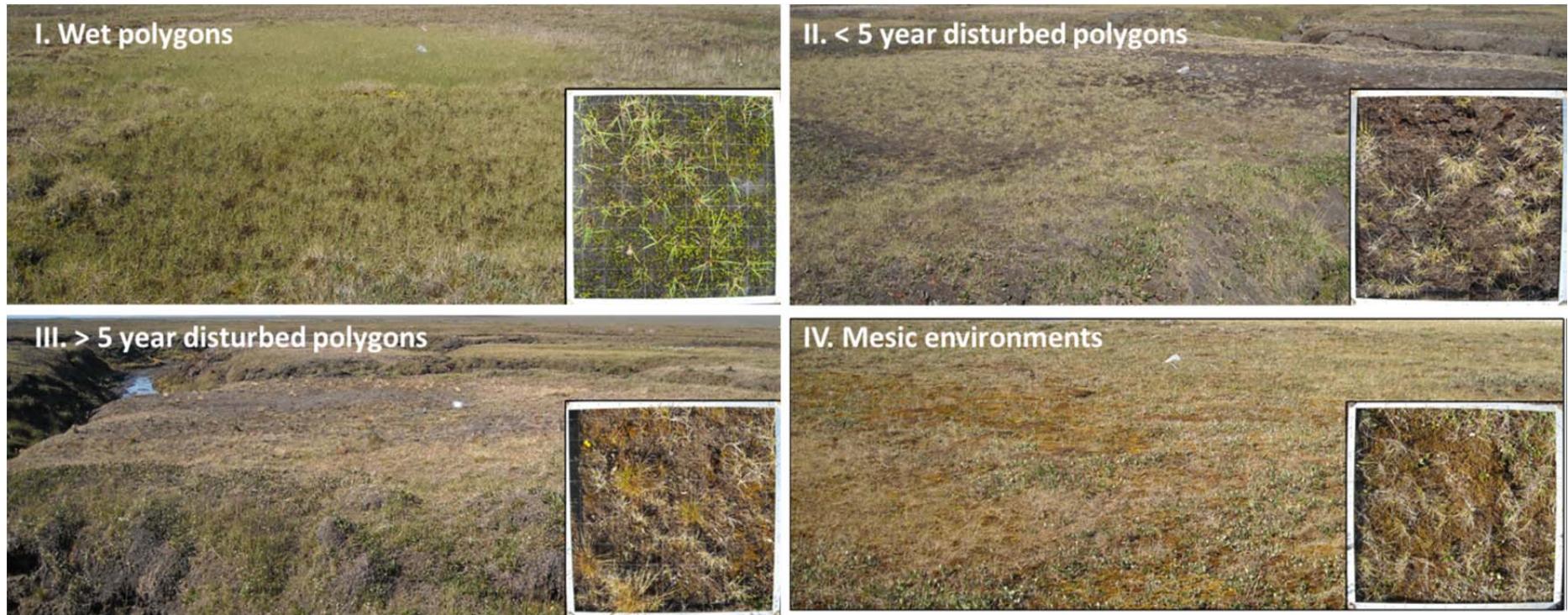
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Appendix A. List of the vascular plant species inventoried in the Qarlikturvik valley, Bylot Island, Nunavut during the 2009 and 2010 field seasons. Species names are from the integrated taxonomic information system (ITIS 2011).

Family	Species
Asteraceae	<i>Erigeron uniflorus</i> var. <i>eriocephalus</i> (Vahl) Boivin, <i>Taraxacum hyparcticum</i> Dahlst., <i>Tephroseris palustris</i> (L.) Reichenbach
Brassicaceae	<i>Cardamine bellidifolia</i> L., <i>Cardamine nymanii</i> Gand., <i>Draba cinerea</i> Adams, <i>Draba corymbosa</i> R. Br., <i>Draba glabella</i> Pursh, <i>Draba lactea</i> Adams, <i>Draba nivalis</i> Lilj., <i>Draba</i> sp ^a , <i>Eutrema edwardsii</i> R. Br.
Caryophyllaceae	<i>Cerastium alpinum</i> L. s. lat., <i>Minuartia rubella</i> (Wahlenb.) Hiern., <i>Silene involucrata</i> (Cham. & Schlecht.) Bocquet subsp. <i>involucrata</i> , <i>Silene uralensis</i> (Rupr.) Bocquet subsp. <i>uralensis</i> , <i>Stellaria longipes</i> Goldie subsp. <i>longipes</i>
Cyperaceae	<i>Carex aquatilis</i> var. <i>minor</i> Boott, <i>Carex marina</i> Dewey, <i>Eriophorum angustifolium</i> Honck subsp. <i>angustifolium</i> , <i>Eriophorum scheuchzeri</i> Hoppe s. lat./ <i>russeolum</i> subsp. <i>leiocarpum</i> Novos.
Equisetaceae	<i>Equisetum arvense</i> L. s. lat.
Ericaceae	<i>Cassiope tetragona</i> var. <i>tetragona</i> (L.) Don
Fabaceae	<i>Astragalus alpinus</i> var. <i>alpinus</i> L. <i>Oxytropis maydelliana</i> ssp. <i>Melanocephala</i> (Hook.) Porsild
Juncaceae	<i>Juncus biglumis</i> L., <i>Luzula arctica</i> Blytt, <i>Luzula confusa</i> Lindebl.
Onagraceae	<i>Epilobium arcticum</i> Sam.
Papaveraceae	<i>Papaver</i> sp (including <i>P. dahlianum</i> , <i>P. cornwalissense</i> , <i>P. lapponicum</i> ssp. <i>occidentale</i>)
Poaceae	<i>Alopecurus borealis</i> Trin., <i>Anthoxanthum arcticum</i> Veldkamp, <i>Arctagrostis latifolia</i> subsp. <i>latifolia</i> (R. Br.) Griseb., <i>Deschampsia brevifolia</i> R. Br., <i>Dupontia fisheri</i> R. Br., <i>Festuca brachyphylla</i> ssp. <i>Brachyphylla</i> Schult. & Schult. f., <i>Phippsia algida</i> (Sol.) R. Br., <i>Pleuropogon sabinei</i> R. Br., <i>Poa arctica</i> R. Br. s. lat.
Polygonaceae	<i>Bistorta vivipara</i> (L.) Delarbre, <i>Oxyria digyna</i> (L.) Hill
Pyrolaceae	<i>Pyrola grandiflora</i> Radius
Ranunculaceae	<i>Ranunculus hyperboreus</i> Rottb., <i>Ranunculus nivalis</i> L.
Rosaceae	<i>Dryas integrifolia</i> Vahl subsp. <i>integrifolia</i> , <i>Potentilla hyparctica</i> Malte subsp. <i>hyparctica</i>
Salicaceae	<i>Salix arctica</i> Pall., <i>Salix herbacea</i> L., <i>Salix reticulata</i> L., <i>Salix richardsonii</i> Hook.
Saxifragaceae	<i>Chrysosplenium tetrandrum</i> (Lund) Th. Fries, <i>Micranthes foliolosa</i> (R. Br.) Gornall, <i>Micranthes hieraciifolia</i> (Waldst. & Kit.) Haworth, <i>Micranthes nivalis</i> (L.) Small, <i>Saxifraga cernua</i> L., <i>Saxifraga cespitosa</i> L., <i>Saxifraga hirculus</i> L., <i>Saxifraga oppositifolia</i> L.
Scrophulariaceae	<i>Pedicularis langsdorffii</i> subsp. <i>arctica</i> (R. Br.) Pennell, <i>Pedicularis sudetica</i> subsp. <i>albolabiata</i> Hult.

^a *Draba* sp. was not counted as a distinct species because it is probably one of the five species already mentioned.



Appendix B. Illustration of the four low-centered polygon habitats studied in the Qarlikturvik valley of Bylot Island, Nunavut.