PARKS CANADA SPECIES DATABASE
DESCRIPTION OF THE YEAR 2000 ITERATION

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INTRODUCTION

The Parks Canada Species Database tracks data on the plant and animal species known to occur in each national park. The first iteration of the database, which was prepared in 1997, was prepared by consulting all available information, particularly Resource Descriptions and Analyses and other park reports. The work on plants was supervised by Dr. Luc Brouillet, a professor at the Université de Montréal, while the work on vertebrates was undertaken by a contractor, Mr. Daniel Plasse.

The current second iteration of the Database is current up to the December 2000. It was prepared by sending the first iteration lists to each park for updating in 1998, then incorporating the changes recommended by the park staff over the next year. In addition, some newly created parks (e.g. Ukkusiksalik) and National Park Areas of Interest (e.g. Gulf Islands) were added. The work on plants was again supervised by Dr. Brouillet and the work was carried out by Frédéric Coursol. The vertebrate work was supervised by Rob Alvo and completed by three contractors: Christie Spence, Matthew Smith, and Josée Nesdoly. The vertebrate occurrence records were compared to known species ranges from reference texts to develop a list of "outliers", of which there were about 250. All of these were forwarded to the respective parks for verification. Replies were obtained for all the records, and the changes were incorporated.

STRUCTURE OF THE DATABASE

The Database consists of a Microsoft ACCESS database for the vertebrates, and a Microsoft EXCEL spreadsheet for the vascular plants.

Vertebrate Database

The vertebrate database ("VertsIteration2", 4292 KB) consists of three tables: "species", "parks", and "occurrences". The "Species" table presents information specific to each species. (When the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) recognizes more than one population in a species, each population is treated separately, and the species is also treated as a whole.) This table contains 1783 species records. The fields are:

- **ELCODE** -- a species-specific code used by the Conservation Data Centres and the Association of Biodiversity Information (ABI).

- **Latin** -- Latin name. These are the Latin names used by the Association of Biodiversity Information . ABI generally follows the most up to date literature for taxonomic purposes. For example, in the case of birds, ABI follows the taxonomy and nomenclature determined by the American Ornithologists' Union.
- **English** – English common name. Again, we applied the English names used by the Association of Biodiversity Information (ABI).
- **French** -- French common name. We used a number of sources, depending on the taxonomic group.
- **Taxonomic Entity**
  S -- species
  SS -- sub-species
  PS -- population of a species
  PSS -- population of a sub-species
  HYB -- hybrid
- **COSEWIC Status**
  E -- Endangered
  T -- Threatened
  SC -- Special Concern (This category was known formerly as "Vulnerable", and earlier as "Rare".)
  NAR -- Not at Risk
  I -- Indeterminate (This category is now called "Data Deficient".)
  XT -- Extirpated
  X -- Extinct
- **GRANK** -- Global Conservation Rank as determined by the network of Conservation Data Centres
- **Genus**
- **Family**
- **Order**
- **Class**
- **Taxonomic Notes**

The "Parks" table presents information specific to each of the 44 parks. The fields are:

- **ParkName**
- **ParkCode –** Un code de quatre lettres.
- **ParkArea –** Size of the park in squared kms.
- **YearEstab** – Year the park was established.
- **Lat** -- Latitude
- **Long** -- Longitude

The third table is called “Occurrences” and presents information specific to species “occurrences” in national parks. One species occurring in one park is an occurrence. The database contains 12,157 occurrence records. The fields are:

- **ParkName**
- **C_Name** -- The common name that was used for the species in the first iteration of the Database (note that these are written with the generic name first and the specific epithet following, e.g. Thrush, Wood)
- **Latin** -- Latin name
- **COS_Status** -- This field indicates the status in the park of the species listed by COSEWIC.

  C-W -- Common and widespread in the park. These species are generally easily and regularly observed and they are present in large numbers throughout the park.

  C-L -- Common and limited spatial distribution in the park. These species are generally easily and regularly observed in their limited habitat, where they are present in large numbers.

  U-R-W -- Uncommon or rare but widespread in the park. The presence of such species is characterized by infrequent observations, small population densities, and their being located in fragmented areas of habitat in the park.

  U-R-L -- Uncommon or rare and limited spatial distribution in the park. Includes species that are observed infrequently in their limited habitat.
- **Reproduction**

  B – Breeding. Breeds in the park.

  N -- Non-Breeding. "Transient" in the park.

  I – Indeterminate. Unknown.
- **Abundance** -- In this database, the abundance is determined only for the territory of the park by using expert judgement.

  C – Common. Abundant or common in the park. Generally easily and regularly observed in its preferred habitat. Populations are large and the habitat required for the survival of the species is found over large areas of the park territory.

  U – Uncommon. Not common in the park. Characterized by infrequent to frequent observations, average population densities and average area of habitat in the park.

  R – Rare. Present in small numbers in the park and is the focus of special attention due to its fragility. Includes species that are not present in large numbers in the park and rarely observed in their preferred habitat. In most cases, it is a question of the presence of a species in a habitat that is unusual for the region.

  E -- Exceptional. Exceptional in the park. Includes species that have wandered from their home range and/or occasional species, unlikely to be

observed outside their usual habitat. In general, observations of these species are exceptional since in most cases the species are outside their usual range.

Extir -- Extirpated. No longer occurs in the park. Includes species that were once present in the park, but that are no longer observed there today.

? – *Indeterminate.* Data on species abundance are unavailable.

- **Native**

  En – Endemic. Restricted to the park region.

  N – Native. Indigenous to the park region.

  NAIN -- North American introduced. A Canadian species deliberately introduced to a park or park region.

  NOAM – North American incidental. Having reached a park or park region independently.

  EXOT – Exotic. Introduced species.

  R-I -- Reintroduced. Reintroduced species.

  ? -- Indeterminate -- Status to be determined.

- **Exotic Status**

  C-W -- Common and widespread in the park. Generally easily and regularly observed, and present in larger numbers throughout the park.

  C-L -- Common and limited spatial distribution in the park. Generally easily and regularly observed in its limited habitat and present in larger numbers.

  U-R-W -- Uncommon or rare but widespread in the park. Characterized by infrequent observations, small population densities and its being located in a fragmented area of habitat in the park.

  U-R-L -- Uncommon or rare, and limited spatial distribution in the park. Includes species that occur in their limited habitat, but are infrequently observed.

- **Exo_Asso** -- Exotic Species Association. Many exotic species in Canada's national parks can reproduce and survive only in disturbed sites such as highway right of ways, lawns, townsites, campground, gravel pits, and other disturbed areas created or maintained by humans. These species may not represent a major threat for park ecosystem conservation. However, some other species may spread in many ecosystems and threaten the ecological integrity of the parks.

- *D* -- Associated only with areas disturbed by human activity. Presence is recorded in recovering ecosystems and/or in human dominated areas such as town-sites, campgrounds, disturbed roadsides, etc.

  D-N -- Associated with disturbed and natural areas.

- **Water --** This field is used only for fish and is used to describe the general habitats of a species. A species may be anadromous in Canada but may occur only in freshwater in the park.

M – Marine. Lives in the sea, in salt water.
F – Freshwater. Lives exclusively in fresh water.
A – Anadromous. Fish that ascend rivers from the sea for breeding.
C – Catadromous. Fish that live in fresh or briny water and go to the sea to spawn.
E – Euryhaline. Tolerates a wide range of salinity.
FS -- Freshwater and marine. Lives in both fresh water and salt water.
A-F -- Anadromous and freshwater. Ascends rivers from the sea for breeding, but can also live exclusively in freshwater.

- **Source --** The author or primary reference work providing information on a species record in a park.
- **Comments**

Vascular Plant Database

The plant database, "VascularPlantsIteration2" (3.306 Mega-bytes), consists of two separate spreadsheets: "Eastern Canada" and "Western Canada". Each has exactly 3800 records (species, sub-species and varieties). The first column gives the Latin name, while the second gives the name used by Kartesz, when there is difference. We deferred to Dr. Luc Brouillet at the University of Montreal for plant names. Each column represents one source of data used to document the presence of the species in the park. A "1" indicates that the source listed the species as being present in the park, while a "0" indicates that the source did not list the species as present. Each group of columns represents all the sources used for one park. The final column in each group indicates the presence (1) or absence (0) of the species in the park based on the information given in the previous columns. For example, the first park in the Eastern Canada spreadsheet is Cape Breton Highlands N.P. The first seven columns after the species' name each represent one reference, with the "5c" signifying this park, and the two-digit number following (e.g. 84) referring to the date of the reference. The eighth column, in red, gives the presence or absence of the species in the park.

After the columns for the last park are the columns:

- **Introduction** -- "0" indicates a species native to Canada. "1" indicates a species introduced to Canada.
- **COSEWICS –** The following letter codes are COSEWIC categories.
  E – Endangered
  T – Threatened
  V – Vulnerable
  NAR – Not at risk

The number codes are categories used for defining the status of vascular plant species under investigation for status report preparation. Five categories of rare plants are recognized.

1. Rare Canadian endemics.
2. Rare Canadian peripheral species that are Endangered, Threatened or Vulnerable through their global range.
3. Rare Canadian peripheral species that are Endangered, Threatened or vulnerable in 2 or more American border states.
4. Rare Canadian peripheral species that are Endangered, Threatened or Vulnerable in one American border state.
5. Rare Canadian peripheral species that occur at few localities, but for which no official status is known from American border states.

- **Family** -- Taxonomic Family
- **English** – English common name.

The last three fields are for comments.

APPENDIX 1. SOURCES USED TO COMPILE THE LIST OF VASCULAR PLANT TAXA PRESENT IN NATIONAL PARKS.

5c : Cape Breton Highlands

5c69 Roland, A. E. & Smith, E. C. 1969 [reprint 1983]. The Flora of Nova Scotia. The Nova Scotia Museum, Proc. N. S. Inst Sci. 26 : 5-238, 277-743.

5c71 Beil, C. E. 1971. An ecological investigation and floristic survey of the Sunday Lake - Baldwin Lake - Big Southwest Brook area in Cape Breton Highlands National Park : final report. Parcs Canada, Headquarters' Contract no. 69-241. 160 p.

5c81 Hinds, H. R. 1981. The rare plants of Cape Breton Highlands National Park. 130p.

5c83 Von Aderkas, P. 1983. Report on ferns collected in Cape Breton Highlands, August 1983. 5p.

5c84a Hinds, H. R. 1984. Additions to the flora of Cape Breton Highlands National Park, Nova Scotia. Rhodora 86 : 67-71.

5c84b Comeau, P. L. & Beil, C. E. 1984. Raised bogs on the Cape Breton plateau. Proc. N. S. Inst. Sci. 34 : 41-81.

5c cap ACCESS file called, "Natl_db.mdb", dated 17 February, 1999 from James Bridgland.

5e : Kejimkujik

5e69 Roland, A. E. & Smith, E. C. 1969 [reprint 1983]. The Flora of Nova Scotia. The Nova Scotia Museum, Proc. N. S. Inst Sci. 26 : 5-238, 277-743.

5e70 Strang, R. M. 1970. List of specimens (plants) collected in Kejimkujik National Park. 10p.

5e73 Stanley, J. M. 1973. The vegetation of Kejimkujik National Park. Parks Canada, Headquarters'/F.M.I./ Acadia University. 218p.

5e76 Roland, A. E. 1976. The coastal plain flora of Kejimkujik National Park. 238p.

5e84a Stewart, C. 1984. The aquatic vegetation of Kejimkujik National Park : species distribution and associations. 62p.

5e84b Wallace, E. S. 1984. The vegetation of Kejimkujik National Park (draft). 255p.

5e86a Drysdale, C., (ed.). 1986. Kejimkujik National Park resource description and analysis. Kejimkujik National Park, Resource Conservation Section. F109-F129.

5e86b Catling, P. M., Freedman, B., Stewart, C., Kerekes, J. J. & Lefkovitch, L. P. 1986. Aquatic plants of acid lakes in Kejimkujik National Park, Nova Scotia; floristic composition and relation to water chemistry. Can. J. Bot. 64 : 724-729.

5e90 Farrier, R., Drysdale, C. & Kenney, G. ca 1990. Kejimkujik National Park Seaside Adjunct resource description and analysis. Kejimkujik National Park, Resource Conservation Section. F33-F42.

5e99 O'Grady, Sally. 27 p. Fax.

5f : Fundy

5f82 Hinds, H. R. 1982. The rare vascular plants of Fundy National Park. Parks Canada. 24p.

5f83 Hinds, H. R. 1983. The rare vascular plants of New Brunswick. National Museum of Natural Sciences, Ottawa. Syllogeus 50 : 1-56.

5f86a Hinds, H. R. 1986. The flora of New Brunswick. University of New Brunswick, Fredericton. 666p.

5f86b Burzynski, M. 1986. The vascular flora of Fundy National Park, New Brunswick. 77p.

5f93 Clay, D. & Richard, S. 1993. Plants of Fundy National Park ; the herbarium and a systematic list with codes. Fundy National Park, Alma, N. B. 114p.

5f99 Clay D. and S.G. Richard. 1996. A Checklist (with codes) of the vascular plants, lichens, and bryophytes of fundy NP: including notes on the park herbarium. Parks Canada - Ecosystem monitoring and data report No. 02. (Information taken from an e-mail from Vicki Sahanatien on 03/11/99 01:06 PM To: Robert Alvo/ HullOttawa/PCH/CA@PCH).

5g : Gros Morne

5g75 Rouleau, E. & Bouchard, A. 1976. Checklist of the vascular flora of Gros Morne National Park. Headquarters/Contract no. 73-21. 19p.

5g76 Bouchard, A. & Hay, S. 1976. The vascular flora of the Gros Morne National Park coastal plain in Newfoundland. Rhodora 78 : 207-260.

5g82 Robertson, A. & Roberts, B. A. 1982. Checklist of the alpine flora of Western Brook Pond and Deer Pond areas, Gros Morne National Park. Rhodora 84 : 101-115.

5g87 Bouchard, A. et al. 1987. Phytogeographical and life-form analysis of The vascular flora of Gros Morne

National Park, Newfoundland, Canada. J. Biogeog. 14 : 343-358.

5g91 Bouchard, A., Hay, S. G., Bergeron, Y. & Leduc, A. 1991. The vascular flora of Gros Morne National Park, Newfoundland : a habitat classification approach based on floristic, biogeographical and life-form data. *in* Quantitative approaches to phytogeography. Eds. : P. L. Nimis & T. J. Crovello. Kluwer Academic Publishers, The Netherlands. p123-157.

5g94 Anions, M. F. E. 1994. The flora of Gros Morne National Park - resource description and analysis. Parks Canada Atlantic Region/Contract no. GMR 93-021. 143p.

5g95 Brouillet, L. & Hay, S. G. 1995. Liste des plantes vasculaires des parcs nationaux de l'île de Terre-Neuve. Institut de Recherche en Biologie Végétale, Montréal. 25p (manuscrit).

5gluc Fichier FileMaker Pro provenant de la base de données personnelle de Luc Brouillet.

5gluc98 FileMaker Pro file from Luc Brouillet's own data.

5k : Kouchibouguac

5k79a Gauvin, J. M. 1979. Étude de la végétation des marais salés du Parc national de Kouchibouguac, N.-B. Thèse de maîtrise, Université de Moncton. 258p.

5k79b Munro, D. 1979. A floristic study of Kouchibouguac National Park : a survey of vascular herbs, shrubs, and trees. 213p.

5k83 Hinds, H. R. 1983. The rare vascular plants of New Brunswick. National Museum of Natural Sciences, Ottawa. Syllogeus 50 : 1-56.

5k86 Hinds, H. R. 1986. The flora of New Brunswick. University of New Brunswick, Fredericton. 666p.

5k87 Beach, H. 1987. List of vascular plants of Kouchibouguac National Park. 22p.

5k88 Beach, H. (ed.). 1988. The resources of Kouchibouguac National Park : resource description and analysis. Kouchibouguac National Park, Natural Resource Conservation. E/1/42 - E/1/58.

5k98 Tremblay, Eric. 1998. Hard copy species list sent to Rob Alvo.

5p : Prince Edward Island

5p71 Grandtner, M. M. 1971. Ecological study of the interior dunes of West Brackley Beach, Prince Edward

Island National Park : final report. Volume 1. Project no. 05/1-14, Québec. 83p.

5p76 Eastern Ecological Research, 1976. Biophysical classification and process analysis, Prince Edward Island National Park. 160p.

5p85 Catling, P., Erskine, D. S. & Maclaren, R. B. 1985. The plants of Prince Edward Island with new records, nomenclatural changes, and corrections and deletions. Publ. 1798. Agriculture Canada, Ottawa. 272p.

5p91 Day, R. & Catling, P. M. 1991. The rare vascular plants of Prince Edward Island. National Museum of Natural Sciences, Ottawa. Syllogeus 67 : 1-65.

5p99 WordPerfect file "splist.wpd" e-mailed to Rob Alvo Dec. 10, 1998, by Phil McCabe.

5t : Terra Nova

5t76 Robertson, A. W. 1976. List of vascular plants deposited in Terra Nova National Park Herbarium : interim report. Newfoundland Forest Research Centre, St. John's, Newfoundland. 15p.

5t84 Deichmann, K. H. & Bradshaw, D. B. (eds.). 1984. Terra Nova National Park resource description and evolution; Section VII : Flora. Parks Canada, Glovertown, Newfoundland. 63p.

5t92 Rouleau, E. & Lamoureux, G. 1992. Atlas of the vascular plants of the island of Newfoundland and of the islands of Saint-Pierre-et-Miquelon. Groupe Fleurbec, Saint-Henri-de-Lévis, Québec. 777p.

5t93 Scott, P. J. 1993. The vegetation of Terra Nova National Park. 28p.

5t94 Scott, P. J. 1994. The flora of Terra Nova National Park. 12p.

5tluc FileMaker Pro file from Luc Brouillet's own data.

5t final FileMaker Pro file from Luc Brouillet's own data.

6f : Forillon

6f71 Lafond, A. 1971. Étude écologique sur la végétation du parc national de Forillon, comté de Gaspé-Sud. 77p.

6f74 Morisset, P. 1974. Localisation et écologie des plantes arctiques-alpines rares dans le Parc national Forillon : rapport final. Parcs Canada, Administration centrale/Contrat no. 71-92. 230p.

6f75a Grandtner, M. M. 1975. Analyse de la flore vasculaire du parc National Forillon. Le Nat. Can. 102 ; 235-264.

6f75b Grandtner, M. M. 1975. Les marais salés du parc national Forillon. Comunication présentée aux colloques phytosociologiques internationaux de Lille, 10-14 sept. 1975. 20p.

6f79 Morisset, P. 1979. Localisation et abondance des plantes vasculaires arctiques alpines et rares des falaises du Parc national Forillon. 2 vols. Parcs Canada, Région de Québec/Contrat no. 77-274.

6f81 Majcen, Zoran. 1981. Les forêts du parc national Forillon, Gaspésie, Québec : étude phytosociologique. Laboratoire d'écologie forestière, Université Laval, Québec. Études écologiques 4, 158p.

6f98 Marchand, Stéphane. 1998. La flore vasculaire non-indigène du parc national Forillon. Service de la conservation des ressources naturelles, Parc National Forillon.

6L : La Mauricie

6L72 Lamoureux, G. 1972. Inventaire floristique préliminaire du Parc national de La Mauricie. Parcs Canada, Administration centrale/Contrat no. 71-108. 189 p.

6L81 Service de la conservation des ressources naturelles, Région du Québec. 1981. Parc national de La Mauricie - synthèse et analyse des ressources. 2 vols. Environnement Canada, Parcs Canada, Québec. 11C5 - 11C6.

6L He76 Frère, Guy. 1977. Plant record of the La Mauricie National Park Herbarium, alphabetical list.

6m : Archipel de Mingan

6m80 Grondin, P. 1980. La végétation du marais salé de l'île de Samuel, Archipel de Mingan, Québec. Phytocoenologia 7 : 336-355.

6m81 Gauthier, R. 1981. La végétation et la flore de quelques tourbières de l'Anticosti-Minganie. 105p.

6m82 Marcotte, F. 1982. Étude phyto-écologique de la Petite île au Marteau, Archipel de Mingan et propositions d'aménagement. Thèse de maîtrise, Université d'Ottawa. 240p.

6m86 Groupe Dryade. 1986. La flore vasculaire de l'Archipel de Mingan; Vol. 1 : description et analyse. 3 vols., 599p. p. 201-217.

6m99 Text file called « mingan.txt » received from the park via an e-mail to Luc Brouillet of 2 novembre 1998.

6s: Saguenay

6s99 Author ? . 1992. Synthèse et analyse des connaissances relatives aux ressources naturelles du Saguenay et de l'estuaire du Saint-Laurent. Fax from Jean Désaulniers, Acting Chief. Chapiter 18. Sent by the park on 24 September 1998, Ref. No. 4072-0.

7b : Bruce Peninsula

7b87 Wickware, G. M. & Schiefer, K. 1987. Bruce Peninsula National Park : preliminary resource reconnaissance and evaluation ca. 200p. p. 4.19 - 4.29, table 4.6.

7b90 S. L. Ross Environmental Research Ltd., Mosquin Bio-information Ltd. & Horler Information Inc. 1990. Bruce Peninsula National Park biophysical survey. 179 p.

7b95 Geomatics International Inc. 1995. Wetland evaluation Bruce Peninsula National Park : final report. Guelph, Ont. ca. 250p.

7b bruce List sent to the national office and forwarded by Jean Poitevin Date: 17 December 1997.

7g : Georgian Bay Islands

7g73 Thaler, G. R. 1973. Some preliminary observations on the flora and vegetation of Beausoleil Island (Georgian Bay Islands National Park), Honey Harbour, Ontario. 19p.

7g80 SmithR. 1980. Floral survey of Flowerpot Island, 1980-1984. 150p.

7g81 Bird & Hale Ltd. 1981. Initial resource evaluation, Tobermory Islands Unit, Georgian Bay Islands National Park : final report. Parks Canada, Ontario Region/ Contract nos. C4072-1/GI & C8320/GI. Toronto.

7g82 Hunter & Associates. 1982. Georgian Bay Islands National Park resource management study; vol. 3 : report appendices (field data). 3 vols. Parks Canada, Ontario Region/Contract no.C81-57. pII-XLIV.

7g84 Brownell, V. 1984. A resource management study of rare vascular plants of The Tobermory Islands Unit, Georgian Bay Islands National Park : final report.

Parks Canada/ Ontario Region/Contract no. 83-33. 182p.

7g87 Morton, J. K. & Venn, J. V. 1987. The flora of the Tobermory Islands, Bruce Peninsula National Park. University of Waterloo, Waterloo, Ont.

7g92 Geomatics International, Inc. 1992. Rare plant management plan, Georgian Bay Islands National Park. 66p.

7g98 Access file called Georgian Bay.mdb, dated 19 July, 1998, from the park via an e-mail from Luc Brouillet.

7p : Point Pelee

7p73 Bayly, I. 1973. An aquatic vegetation map and inventory of Point Pelee National Park marsh. Parks Canada, Ontario Region/Contract GC#7p-1b. 174p.

7p78a Maycock, P. F., Reznicek, A. A. & Gregory, D. 1978. Flora of Point Pelee National Park, Essex County, southern Ontario. Erindale College, University of Toronto. 149p.

7p78b [Resource Conservation Section], Point Pelee National Park. 1978. Resource management analysis, vol.2. 2 vols. Parks Canada, Ontario Region. p7.17 -7.35, 7.211-7.257.

7p84 Jellicoe, J. 1984. Checklist of vascular plants, Point Pelee National Park. Friends of Point Pelee, Inc. & Parks Canada, Ontario Region. 20p.

7p99 Access file called plants.mdb from Gary Mouland via an e-mail from Luc Brouillet on 6 November 1998.

7s St. Lawrence Islands

7s73 Woods, J. G. 1973. Some plants of special interest in St. Lawrence Islands National Park. 6p.

7s76 Cody, W. J. 1976. A phytogeographical study of the flora of St. Lawrence Islands National Park region. 3 vols. 229p.

7s77 Parks Canada, St. Lawrence Islands National Park, Interpretation Division. 1977. Vascular plants of the Thousand Islands : trilingual list. Parks Canada, Ontario Region.47p.

7s79 Parks Canada, St. Lawrence Islands National Park. 1979. Annotated checklist for the Thousand Islands. Parks Canada, Ontario Region. 49p.

7s99 DBase IV file called Slis_p.dbf from the park via an e-mail from Luc Brouillet on 4 February 1999.

7u : Pukaskwa

7u63 Soper, J. H. 1963. A community of arctic-alpine plants on the east shore of Lake Superior. Can. J. Bot. 41 : 183-198.

7u73 Thurlow & Associates Environmental Control Consultants Ltd., N. D. Lea Associates Ltd. and H. W. Barnhart & Associates Ltd. 1973. Planning study for Pukaskwa National Park. 124p.

7u86 Barclay-Estrup, P. 1986. A new shrub for Ontario : *Vaccinium membranaceum* Dougl. in Pukaskwa National Park. 21p.

7u98 ACCESS file called puskawa.mdb dated 20 July, 1998 from the park via an e-mail from Luc Brouillet.

8a : Auyuittuq

8a75 Blouin, J.-L., Desloges, C. & Guimond, A. 1975. Auyuittuq National Park, bio- physical classification of Pangnirtung Pass. Gauthier, Poulin, Thériault Ltée. 371p.

8a88a Hines, J. E. 1988. The vegetation and flora of Auyuittuq National Park Reserve, Baffin Island. 93p.

8a88b Hines, J. E., Fournier, M. A., Moore, S., Seidel, K. H., Sutherland, M. & Wilkinson, L. J. 1988. A natural resource survey of Auyuittuq National Park Reserve, Baffin Island. Dept. of Renewable Resources, Government of The N.W.T., Yellowknife.

8a89 Canadian Parks Service. 1989. Auyuittuq National Park Reserve resource description and analysis. Natural Resource Conservation Section, Prairie and Northern Region, Winnipeg, Manitoba.

8a99 EXCEL file called "auy_revised_pl98.xls » from Vicki Sahanatien via an e-mail from Luc Brouillet on 24 February 1999 .

8b : Aulavik

8b80 Zoltai, S. C., Karasiuk, D. J. & Scotter, G. W. 1980. A natural resource survey of the Thomsen River area, Banks Island, Northwest Territories. Parks Canada, Prairie and Northwest Territories Region.

8b99 EXCEL file called « de aulavik. », from Martin Raillard via an e-mail from Luc Brouillet on 20 novembre 1998.

8c: Ukkusiksalik

8c87 Zoltai, S.C., G.L. Holroyd and G.W. Scotter. 1987. A natural resource survey of Wager Bay, Northwest Territories. Technical Report Series No. 25. Canadian Wildlife Service, Western & Northern Region, Edmonton.129 p.

8e : Ellesmere Island (**Quttinirpaaq**)

8e68 Brassard, G. R. 1968. The vascular flora of Tanquary Fiord, Northern Ellesmere Island, N.W.T. Can. Field Nat. 82 : 103-113.

8e81 England, J., Kershaw, L., Lafarge-England, C. & Bednarski, J. 1981. Northern Ellesmere Island : a natural resource inventory. Dept. of Geography, University of Alberta, Edmonton. ca. 250p.

8e85 Soper, J. H. 1985. Botanical studies in the Lake Hazen region, northern Ellesmere Island, Northwest Territories, Canada. Publications in Natural Sciences. 67p.

8e94 Parks Canada. 1994. Resource description and analysis - Ellesmere Island National Park Reserve. 2 vols. Natural Resource Conservation Section, Parks Canada, Department of Canadian Heritage, Winnipeg.

8e99 EXCEL file called «Revised_ELLE_PLANTS.xls » from Vicki Sahanatien via an e-mail from Luc Brouillet on 6 novembre 1998.

8g : Grasslands

8g66 Dix, R. L. 1966. Botanical reconnaissance of the proposed national park at Val Marie, Saskatchewan. 10p.

8g77 Abouguendia, Z. M. 1977. A preliminary vegetation map of the proposed Grasslands National Park. Parks Canada, Prairie and N.W.T. Region/Contract no. 510/77-129. 18p.

8g94 Michalsky, S. J. 1994. Vegetation of Grasslands National Park. 118p.

8g98 DBase file called «Grassland.dbf » dated 19 June, 1998 from Pat Fargey via an e-mail from Luc Brouillet.

8n : Nahanni

8n76 Marsh, A. H. & Scotter, G. W. 1976. Vegetation survey and development recommendations for the Rabbitkettle

area, Nahanni National Park. Canadian Wildlife Service, Edmonton, Alberta. 208p.
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