

NPSPECIES DATABASE UPDATE FOR ACADIA NATIONAL PARK OCTOBER, 2002 FINAL REPORT

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All NPSpecies files and voucher files are included on the attached CD. A summary of progress on each of the 5 objectives for this project follows.

- 1) Split the current ANP database into 6 separate databases corresponding to the 6 administrative units within the park.

Six databases were created, corresponding to the following areas: park property on Mount Desert Island, park property on Schoodic Peninsula, park property on Isle au Haut, park property on small "offshore" islands, park easements, and park property in the St. Croix Island area.

- 2) Review and correct errors in the current database.

The status and nomenclature of all animal species in the databases have been checked and updated and species erroneously reported for the park have been culled. Standard nomenclature has been entered for all animal species. All bibliographic citations erroneously entered in the original database have been corrected.

- 3) Input the "best" information available (for amphibians, reptiles, mammals, birds, and fish) regarding each species park status, abundance, residency, and nativity and document the source of information used for each park administrative unit.

We checked 161 documents that contained the best species information for the Acadia National Park region and entered this information into the NPSpecies databases.

- 4) Search for and cite supporting evidence (references, vouchers, and observations) that documents the occurrence of each species (amphibians, reptiles, mammals, birds, fish, and vascular plants) in each park administrative unit.

We entered 385 geo-referenced observations into the NPSpecies databases. We searched the study skin collections at College of the Atlantic and University of Maine and built an excel file of 2,261 vertebrate vouchers from the ANP region. We also searched the herbarium collections at College of the Atlantic and University of Maine and built an excel files of 7,395 vascular plant vouchers originally collected in the ANP region.

- 5) Cooperate with College of the Atlantic to import details on the status, abundance, and nativity of vascular plants within Acadia for each of the 6 administrative unit databases.

We met regularly with researchers at College of the Atlantic and helped design and build a database with detailed information on each of the vascular plants in all 6 administrative units. All of this information has been merged into the NPSpecies databases.