Development of Protected Area Management

Standard Operational Procedures (SOP)

St. Kitts and Nevis

SOP 5

SPECIES PROTECTED SPECIES

INTERNATIONAL OBLIGATIONS

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	PA Authority Division/Function	SOP #	5 Terrestrial and Marine
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Purpose and scope

The purpose of this SOP is to inform where information on species and protected species can be found but also on the International Obligations related to environment that SKN as subscribed.

Currently, the number of species in the country, according to IUCN Red List[1]are the following:

1305 species within the following groups:

- Mammals -31
- Birds – 234
- Fish – 858
- Reptiles – 7
- Amphibians – 3
- Arthropods-24
- Plants - 42

To clarify, Protected species are those species that occur naturally in the wild in the territory of SKN and fall into any of the following categories:

- Be a bird species, including migratory birds, which occurs naturally in the wild in the territory of SKN, including its eggs and nests;
- Integrate castings of species of flora and fauna which are strictly protected under international conventions;
- Integrate the list of migratory species listed in international conventions;
- Marine species included in the list of threatened or declining species adopted by international conventions;

[1] SKN: http://discover.iucnredlist.org/discover?location_ids%5B%5D=3317
https://www.iucn.org/theme/species/our-work/iucn-red-list-threatened-species

- Specimens of landing birds, marine mammals and reptiles which naturally occur in SKN, considered as pertaining to a protected species;

For these species, the IUCN Red List of Threatened Species for SKN lists 1 extinct species (St. Kitts Rice Rat), 6 critically endangered species, 12 endangered species and 34 vulnerable.
The islands six critically endangered species are the Elkhorn Coral, Giant Ditch Frog, Goliath Grouper, Hawksbill Turtle, Staghorn Coral, and Wide Sawfish. American Eels, Atlantic Bluefin Tuna fish, Black-capped Petrels, Boulder Star Coral, Green Turtles, Hammerhead Sharks, Mountainous Star Coral (*Montastraea faveolata* or *Orbicella faveolata*), Nassau Groupers, Saba Racer snakes, Scalloped Hammerhead sharks, West Indian Iguanas, and West Indian Mahogany trees are endangered.

In marine terms, the Wider Caribbean Region is home to a diverse range of species including marine mammals, sea turtles and coral species, many of which are considered threatened or endangered.

This SOP will help PA practitioners, rangers, managers, and senior executives to find existing information on species and SKN environmental international obligations

Those can be used for information/communication purposes or in Planning and Management according to previous SOP#1.

a) PA managers

b) PA rangers

c) PA executive managers/ senior executives

d) PA authority executive managers

e) NGOs, other: interested parties and private managers

f) The public

✓ Proceed for **reference information** for research on species and protected species in available web sites and platforms.

International Obligations [2]

The Government of St. Kitts and Nevis has several obligations under a number of multilateral environmental agreements (MEAs). These include:

- The United Nations Convention on Biological Diversity (CBD)[3]
- The United Nation Framework Convention on Climate Change (UNFCCC[4])
- The Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES)[5]
- The Convention for the Prevention of Pollution from Ships (MARPOL)[6]
- UNESCO Convention on the World Cultural and Natural Heritage (WHC)[7]
- Kyoto Protocol
- Sustainable Development Goals-Agenda 2030[8]
- Vienna Convention for the Protection of the Ozone Layer[9]
- Montreal Protocol on substances that deplete the Ozone layer
- Biosafety Protocol
- Ramsar Convention
- Cartegena Convention
- Spaw Protocol[10]
- Oil Spills Protocol
- LBS Protocol[11]
- United Convention on the Law of the Seas (UNCLOS)[12]
- UN Fish Stocks Agreement
- Basel Convention on the Transboundary Movement of Hazardous Waste and Disposal
- International Whaling Commission (IWC) [13]

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[2] http://sedac.ciesin.columbia.edu/entri/countryProfile.jsp?ISO=KNA

[3] https://www.cbd.int/convention/

[4] https://en.wikipedia.org/wiki/United_Nations_Framework_Convention_on_Climate_Change

[5] https://cites.org/eng/disc/text.php

[6] http://www.imo.org/en/about/conventions/listofconventions/pages/international-convention-for-the-prevention-of-pollution-from-ships-(marpol).aspx

[7] http://whc.unesco.org/en/convention/

[8] https://sustainabledevelopment.un.org/memberstates/saintkittsnevis
https://sustainabledevelopment.un.org/post2015/transformingourworld

[9] http://ozone.unep.org/en/treaties-and-decisions/vienna-convention-protection-ozone-layer

[10] http://www.cep.unep.org/pubs/legislation/spaw.html

[11] http://www.cep.unep.org/cartagena-convention/lbs-protocol

[12] http://www.un.org/depts/los/convention_agreements/convention_overview_convention.htm

[13] https://iwc.int/iwcmain

- The Western Central Atlantic Fisheries Commission (WECAF)

At Regional level

- St. George's Declaration of Principles for Environmental Sustainability in the OECS (The St.
- Georges Declaration)[14]
- The Caribbean Regional Fisheries Mechanism (CRFM)
- The Convention for the Protection and Development of the Marine Environment in the Wider Caribbean Region
- Protocol Concerning Cooperation in Combating Oil Spills in the Wider Caribbean Region.
- Caribbean Environment Programme
- Programme of Action for the Sustainable Development of Small Islands Developing States (Barbados Programme of Action)[15]
- CARICOM Regional Fisheries Mechanism[16]
- Caribbean Regional Environmental Programme [17]

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[14] http://www19.iadb.org/intal/intalcdi/PE/2009/03209.pdf

[15] http://www.un-documents.net/sids-act.htm
http://caribbean.cepal.org/t/barbados-programme-action

[16] http://www.crfm.int/

[17] http://www.cep.unep.org/
http://www.cep.unep.org/country-information/countryprofile?fullwidth=1&country=Saint%20Kitts%20and%20Nevis

Reference Information

A Biodiversity Profile of St. Kitts and Nevis. Prepared by Bruce Horwith and Kevel Lindsay revisions by Bruce Potter edited by Judith Towle. Nevis Historical and Conservation Society St. Christopher Heritage Society. 1999

BIOPAMA. SKN data: http://caribbean-rris.biopama.org/country/KN

Bruce Horwith and Kevel Lindsay revised January 2000 by Bruce Potter. A **biodiversity profile** of St. Kitts and Nevis: http://www.globalislands.net/userfiles/nevis_2.pdf

Caribbean MPA mapping programme:
http://campam.gcfi.org/CaribbeanMPA/CaribbeanMPA.php

Caribbean island endemic hotspot info: http://www.cepf.net/resources/hotspots/North-and-Central-America/Pages/Caribbean-Islands.aspx

Climate and institutional framework data- 2nd National Communication Report , St. Christopher & Nevis, United Nations Framework Convention on Climate Change (UNFCCC) , Droiterre Inc. and Associates, Legal & Environmental Consultants, October 2015:
http://unfccc.int/resource/docs/natc/knanc2.pdf

Environmental and Socioeconomic Baseline Studies. St. Kitts and Nevis Site Report for Central Forest Reserve, St. Kitts. The OECS Protected Areas and Associated Livelihoods (OPAAL) Project. Prepared by Island Resources Foundation. 2013

GEF Small Grants in SKN:
http://94.126.173.140/web/countries/STK/saint_kitts_and_nevis.html

http://94.126.173.140/index.cfm?module=Projects&page=SearchResults&CountryID=STK

Improving Management of Coastal Resources and the Conservation of Marine Biodiversity in Programme on Improving Management of Coastal Resources and the Conservation of Marine Biodiversity in Selected CARICOM Countries. Baseline Study. Caribbean Environmental Health Institute (CEHI).

IUCN red list, **List of species** in SKN:
http://discover.iucnredlist.org/discover?location_ids%5B%5D=3317

IUCN Red List: http://www.iucnredlist.org/info/site-map

Important Bird Areas in the Caribbean. Natalia Collier and Adam Brown. Birdlife. St Kitts and Nevis, **Bird species** in SKN:
http://datazone.birdlife.org/userfiles/file/IBAs/CaribCntryPDFs/st_kitts_and_nevis.pdf

List of **endangered species** in SKN:

http://www.earthsendangered.com/search-regions3.asp?search=1&sgroup=allgroups&ID=571

List of **Mammals** in SKN:
https://en.wikipedia.org/wiki/List_of_mammals_of_Saint_Kitts_and_Nevis

Management Plan for Central Forest Reserve National Park 2007-2011.Federation of St. Kitts and Nevis. The Organization of Eastern Caribbean States (OECS)

National Environmental Summary. Federation of St. Kitts & Nevis. United Nations Environment Programme. 2010:

http://datazone.birdlife.org/country/st-kitts-and-nevis/policy

NBSAP. Antigua e Barbuda National Strategic Biodiversity Action Plan 2014-2020. Government of Antigua and Barbuda

National Biodiversity and Action Plan (NBSAP) 2014-2020:
https://www.cbd.int/doc/world/kn/kn-nbsap-v2-en.pdf

Protected Area Management Plan for the Proposed Nevis Peak National Park and Camps River Watershed Area. Organization of Eastern Caribbean States (OECS) Secretariat Environment and Sustainable Development Unit. Prepared by Island Resources Foundation. 2009

Randolph Edmead, Director Department of Physical Planning and the Environment Ministry of Sustainable Development Government of St Kitts and Nevis & Ricky Wilson, Programme Manager Environment, Energy and Climate Change United Nations Development Programme Hastings, Barbados **;** Bonnie L Rusk Protected Areas, Ecosystems and Biodiversity Expert Consultant. Conserving Biodiversity and reducing habitat degradation in Protected Areas and their Areas of Influence, Technical Report DRAFT. 2014:
https://info.undp.org/docs/pdc/Documents/KNA/UNDP-SKN%20Draft%20Techincal%20Report%20-%20Ecological%20Condition-Rusk.doc.

Species lists under SPAW protocol annexes:

http://www.car-spaw-rac.org/?Annexes-of-the-SPAW-Protocol,83

SKN **endemic species** info: http://lntreasures.com/sk.html

UN SD Platform- Partnerships for SDGoals:
https://sustainabledevelopment.un.org/memberstates/saintkittsnevis

UNDP/GEF PRODOC: Project Conserving Biodiversity and reducing habitat degradation in Protected Areas and their areas of influence, St. Kitts and Nevis, 2014:

https://info.undp.org/docs/pdc/Documents/KNA/UNDP%20Prodoc%20-%20St%20%20Kitts%20%20Nevis%20-%206%20Aug%202014%20FINAL.pdf

Marine exclusive

Conservation and sustainable use of the Mesoamerican barrier reef systems project (MBRS) manual for training rangers of marine protected areas in the MBRS region. Project coordinating unit coastal resources, Belize

Lists under the SPAW protocol and IUCN:

http://www.car-spaw-rac.org/IMG/pdf/annexes_of_spaw_protocol_revised_22-02-2017.pdf

http://www.cep.unep.org/content/about-cep/spaw/conservation-of-threatened-and-endangered-species

Moreton Bay Marine Park User Guide. Queensland Department of National Parks, Sport and Racing. 2015

Reefs:

http://www.reefresilience.org/coral-reefs/reefs-and-resilience/value-of-reefs/

Coral Reef Report, Nature Conservancy

http://www.agrra.org/wp-content/uploads/2016/06/SKN-Report-Card_2016_WebLowRes.pdf

Designing Marine Protected Areas for Coral Reef Connectivity: http://blog.nature.org/science/2016/01/21/wiring-up-the-caribbean-designing-marine-protected-areas-for-coral-reef-connectivity/

Kramer PR, Roth LM, Constantine S, Knowles J, Cross L, Bruckner A. 2016. St. Kitts and Nevis' Coral Reef Report Card 2016. The Nature Conservancy. www.CaribNode.org

Sea **Turtle** species:

https://www.stkittsturtles.org/sk-sea-turtle-species

https://www.stkittsturtles.org/

https://conserveturtles.org/

Sea Turtles conservation in Jamaica: http://nepa.gov.jm/student/resource-material/pdf/The_Ecology_and_Conservation_of_Sea_Turtle_in_Jamaica.pdf