GLOSSARY OF TERMS AND ACRONYMS

ACRONYMS AND ABBREVIATIONS

AMOY American oystercatcher

CEQ Council on Environmental Quality

CFR Code of Federal Regulations

CWB colonial waterbird dBA a-weighted decibels

EA Environmental Assessment

EVU essential vehicle use

MOSH moist substrate habitat

mph miles per hour

NC-12 North Carolina Highway 12

NCDC North Carolina Department of Commerce

NEPA National Environmental Policy Act

NHPA National Historic Preservation Act

NPS National Park Service

ORV off-road vehicle
PCI per capita income

PIPL piping plover

REKN red knot

ROI region of influence SBA seabeach amaranth

U.S. EPA U.S. Environmental Protection Agency

USC United States Code

USFWS U.S. Fish and Wildlife Service

WIPL Wilson's plover

TERMS

Adults — An organism that is fully grown or developed and capable of sexual reproduction.

Affected Environment — The existing environment to be affected by a proposed action and alternatives.

"Allee effect" — Where populations continue to decline because the per capita birth rate declines at low densities because, for example, of the increased difficulty of finding a mate (Allee 1931).

Alternate ORV route — A route that uses another ramp or an existing interdunal route or North Carolina Highway 12 to provide ORV access to an area.

Anthropogenic — Influence of human beings on nature.

Artificial lighting — Light sources produced by humans.

Backshore — The part of a beach between the spring highwater level and the primary dune line.

Barrier flat zones — Also called backdune, overwash or mud flat; formed by sediments that get pushed through the dune system by storms, such as hurricanes. Grasses grow and stabilize these areas.

Benthic — The bottom, or relating to the bottom of the ocean or other body of water.

Bird Nesting — The act of building a structure by a bird for laying eggs and sheltering its young.

Breeding areas — Those areas that support the full suite of avian breeding activities including, courtship, territorial defense, copulation, scraping and nest building, egg laying and incubation, and chick rearing.

Breeding habitat — Habitat(s) that host the birds during territorial displaying, courtship and mating, scraping, nesting, incubation, brooding and chick foraging.

Brood — The offspring, as of an animal or a bird, that are the result of one breeding season.

Buffer — An area surrounding a sensitive resource limiting visitor access.

Bypass — A temporary route established by the park in accordance with the bypass criteria to provide ORV access during short periods of time.

Closure — An area delineated by posts with string between them, prohibiting vehicle and/or pedestrian access (except in alternative A, where sometimes string is not used between posts).

Cobble Substrates — A substrate where the majority of the material is between 2.5 and 10 inches in diameter.

Cold stratified — Chilling for weeks.

Council on Environmental Quality (CEQ) — Established by Congress within the Executive Office of the President with passage of the *National Environmental Policy Act of 1969*. CEQ coordinates federal environmental efforts and works closely with agencies and other White House offices in the development of environmental policies and initiatives.

Crawl — Tracks and other signs left on a beach by a sea turtle (FWC 2002).

Cumulative Impacts — Under NEPA regulations, the incremental environmental impact or effect of an action together with the effects of past, present, and reasonably foreseeable future actions, regardless of what agency or person undertakes such other actions (40 CFR 1508.7).

Decapods — Invertebrate animals of the order Crustacea which have five pairs of legs and includes the shrimps, lobsters, crabs, etc.

Dune — A mound or ridge of sand or other loose sediment formed by the wind along a the sea coast.

Enabling Legislation — National Park Service legislation setting forth the legal parameters by which each park may operate.

Endangered Species — "...any species (including subspecies or qualifying distinct population segment) that is in danger of extinction throughout all or a significant portion of its range (ESA Section 3(6))." The lead federal agency, U.S. Fish and Wildlife Service, for the listing of a species as endangered is responsible for reviewing the status of the species on a five-year basis.

Endangered Species Act (ESA) (16 USC 1531 et seq.) — An Act to provide a means whereby the ecosystems upon which endangered species and threatened species depend may be conserved and to provide a program for the conservation of such endangered species and threatened species.

Environmental Assessment (EA) — An environmental analysis prepared pursuant to the *National Environmental Policy Act* to determine whether a Federal action would significantly affect the environment and thus require a more detailed environmental impact statement (EIS).

Executive Order — Official proclamation issued by the President that may set forth policy or direction or establish specific duties in connection with the execution of federal laws and programs.

False crawl — An aborted nesting attempt (emergence onto a beach by a sea turtle). A more correct term is "non-nesting emergence" (FWC 2002).

Fledge — The stage in a chick's life when the feathers and wing muscles are sufficiently developed for flight. It also describes the act of raising <u>chicks</u> to a fully grown state by the chick's parents.

Hatchlings — A young bird or turtle that has recently emerged from its egg.

Historic Breeding Area — Areas used within the last 10 breeding seasons.

Incidental take — Take of listed fish or wildlife species that results from, but is not the purpose of, carrying out an otherwise lawful activity conducted by a federal agency or applicant [50 CFR §402.02].

Interdune blowout — Refers to the wind-swept, flat areas that lie between primary and secondary coastal dune systems.

Misorientation — Orientation in the wrong direction. For hatchling sea turtles on the beach, travel in any direction other than the general vicinity of the ocean (FWC 2002).

Mobile (**precocial**) — A young bird or turtle hatched or born in an advanced state of development and mobility and able to feed itself almost immediately.

Nesting crawl — A crawl resulting from a nesting attempt in which eggs were deposited (FWC 2002).

Nesting habitat — Habitat(s) that host the birds during nesting including incubation, brooding and chick foraging.

Nestlings — A bird that is too young to leave its nest.

Niche — A habitat supplying all of the necessary factors for a species existence.

Off-road vehicle (ORV) — Any motorized vehicle designed for or capable of cross-country travel on or immediately over land, water, sand, snow, ice, marsh, swampland, or other natural terrain; except that such term excludes (a) any registered motorboat, (b) any fire, military, emergency or law enforcement vehicle when used for emergency purposes, and any combat or combat support vehicle when used for national defense purposes, and (c) any vehicle whose use contrary to restrictions proposed in this plan is expressly authorized by the Superintendent or the Refuge Manager under a permit, lease, license, or contract.

Overwash — Areas where water has run over or crested a berm or other structure that does not flow directly back to the ocean or lake.

Overwash fan — A fan-shaped deposit of sand, gravel or cobbles that is deposited from water that has run over or crested a berm or structure that does not flow directly back to the ocean or lake.

Potential new habitat — Habitat recently created, usually by storms, e.g., overwash passes, blowouts, etc.

Recent breeding areas — Areas used in the last 3 breeding seasons.

Scarified — To break a seed coat through nicking or abrasion.

Scrapes — A place where soil has been scraped away, esp. a shallow hollow formed in the ground by a bird during a courtship display or for nesting.

Symbolic fencing — Posts with string tied between them.

Take — An act that potentially harasses, injures, or kills a protected species (FWC 2002). Take is defined differently depending on the governing legislation (i.e. Endangered Species Act, Migratory Bird Treaty Act).

"Take" as it applies to the Migratory Bird Treaty Act and as stated in 50 CFR § 10.12, includes pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to pursue, hunt, shoot, wound, kill, trap, capture, or collect. Executive Order 13186 which calls for an MOU that has not been completed by NPS or other land management agencies defines intentional and unintentional take.

"Take" as it applies to the Endangered Species Act and as stated in the Act § 3.19 means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. Harass is defined by Fish and Wildlife Service as actions that create the likelihood of injury to listed species to such an extent as to significantly disrupt normal behavior patterns which include, but are not limited to, breeding feeding or sheltering. Harm is further defined by the Fish and Wildlife Service to include significant habitat modification or degradation that results in death to listed species by significantly impairing behavioral patterns such as breeding, feed or sheltering (50 CFR § 17.3).

Wrack line — Also known as a drift line, it is a line of stranded debris along a beach face marking the point of maximum run-up during a previous high tide.

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