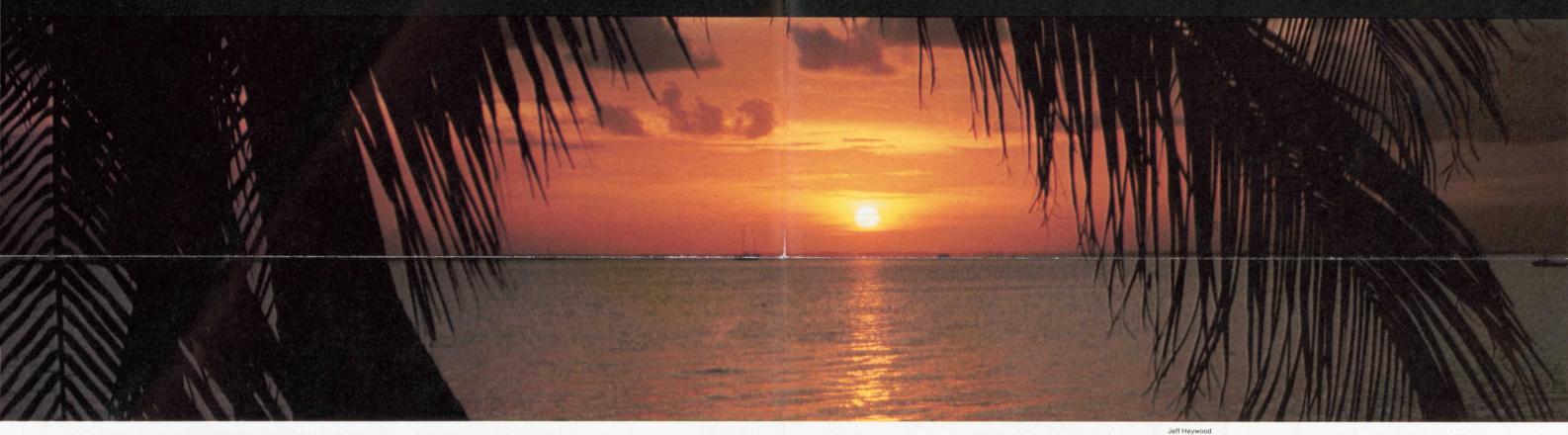
## Biscayne

**Biscayne National Park** Florida

**National Park Service U.S. Department of the Interior** 



Biscayne National Park has the simple beauty of a child's drawing. Clear blue water. Bright yellow sun. Big sky. Dark green woodlands. And here and there a boat, a bird. It is a subtropical place where a mainland mangrove shoreline, a warm shallow bay, many small islands or keys, and living coral reefs intermingle. Together they comprise a vast, almost pristine wilderness and recreation area along the southeast edge of the Florida peninsula. The park, located just 21 miles east of Everglades National Park, was established as a national monument in 1968. In 1980 it was enlarged to 181,500 acres and designated as a national park to protect a rare combination of terrestrial and

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provide an outstanding spot for recreation and relaxation.

In most parks land dominates the picture. But Biscayne is not like most parks. Here water and sky overwhelm the scene in every direction. leaving the bits of low-lying land looking remote and insignificant. This is paradise for marine life, water birds, boaters, fishermen, snorkelers, and divers alike. The water is refreshingly clean, extraordinarily clear. Only the maintenance of the natural interplay between the mainland, Biscayne Bay, keys, reefs, and the Florida Straits keeps it that way. The region's

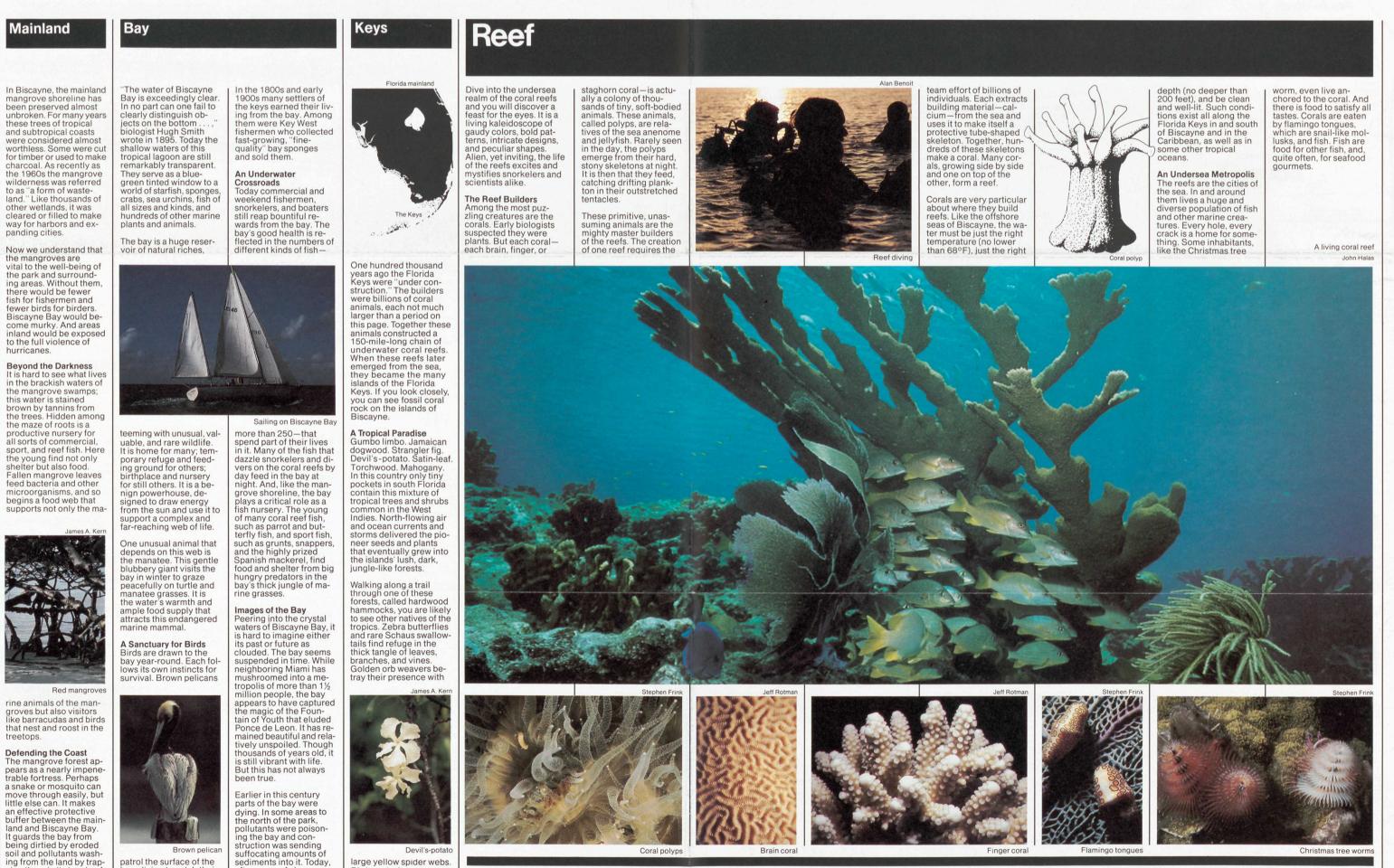
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undersea life, to preserve a scenic subtropical setting, and to Caribbean-like climate saturates the park with year-round warmth, generous sunshine, and abundant rainfall. Tropical life thrives. The land is filled to overflowing with an unusual collection of trees, ferns, vines, flowers, and shrubs. Forests are lush, dark, humid, ever-green; many birds, butterflies, and other animals live in these woods.

> No less odd or diverse is Biscayne's underwater world. At its center are the coral reefs. Unlike the ocean depths, which are dark and nearly lifeless, the shallow water reefs are inundated with light and burgeoning with life. Brilliantly colorful tropical

fish and other curious creatures populate the reefs. Their appearances and behavior are as exotic as their names-stoplight parrotfish, finger garlic sponge, goosehead scorpionfish, princess venus, peppermint goby. A reef explorer can spend hours drifting lazily in the waters above the reefs and watch a passing procession of some of the sea's most fascinating inhabitants.

Whether on the reefs, the keys, the bay, or the mainland you leave behind what is familiar and become acquainted with another world that is strange and wild. Biscayne is a different sort of national park. Expect the unexpected.



WATH WITTE



ing from the land by trap-ping them in its tangle of roots. The mangroves also stand as a natural line of defense against the strong wind and waves of hurricanes.

"Freaks" of Nature Mangroves have been called freaks, and a close look reveals why. Roots of the red mangrove arch stilt-like out of the water or grow down into the water from overhead branches. The roots of the black mangrove look like hundreds of cigars planted in the mud; they are breathing organs

ment.

necessary for survival in this waterlogged environ-

Spanish explorer Ponce de Leon sailed across Biscayne Bay in search of the mythical Fountain of Youth in 1513. Later, travelers like land surveyor Andrew Ellicott recorded the bounty of

life in the region. "Fish are abundant," Ellicott wrote in 1799. "[Sea] Turtles are also to be had in plenty; those we took were of three kinds; the loggerhead, hawk-bill, and green.



suffocating amounts of sediments into it. Today, after years of cleanup, the north bay is recover-ing and the rest of the bay remains nearly pristine.

In 1895 biologist Hugh Smith declared that Bis cayne Bay was "one of the finest bodies of water on the coast of Florida." In another hundred years if well-protected, it still could be.

felled massive mahoganies for ships. Early settlers on Elliott Key cleared forests and planted key limes and pineapples. Throughout the keys subtropical forests were destroyed; Bis-cayne preserves some of the finest left today.

> The islands abound with legends of pirates and buried treasure. Many shipwrecks, victims of high seas and the treach ous reefs, lie offshore Fortune hunters, bootleggers, alien smugglers artists, gamblers, million-aires, and four United States Presidents have spent time on the keys of Biscayne.

Birds and a few mam-

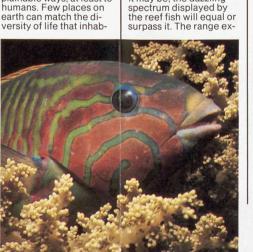
fringed keys.

#### **Fishes of the Reef**

mals also share these isolated, mangrove-In variety, in brilliance of color, in elegance of Native Americans to Mil-lionaires Over the years ent, the fishes may well compare with the keys attracted people the most beautiful assen blage of birds in tropical climates," Louis Agassiz, 19th century French natng to risk the chance of a hurricane and the certainty of pesky bugs Native Americans were first. Tree-cutters from th uralist, wrote after visitng the Florida reefs. Bahamas came later and Reefs are in fact host to the ocean's most spec-tacular galaxies of fish

French angelfish

Along Biscayne's reefs more than 200 types of its the reefs' underwater wilde fish can be spotted. Each holds its own fascination A Sea of Color for us. Some are impresmagine the most colorful scene you have ever seen—a field of wildlowers, the glittering bus . . . or are they? Many behave in bizarre, unexlights of a city at night, a desert sunset. Whatever t may be, the dazzling plainable ways, at least to spectrum displayed by the reef fish will equal or surpass it. The range ex-



sive in size, others in color. Some are gro-

esque, others dange

tends from the most flampoyant-the angelfish, the wrasses, the parrot-fish, the neon gobies-to ones that are quite drab and ordinary There is much speculation about what role the colors play. The answer differs for each fish. An eye-grabbing wardrobe may serve as a kind of billboard, advertising a



Green moray eel Stephen Frink

fish's presence. Vividly colored wrasses attract other fish in this way so they can clean them of parasites and dead tissue and, in return, get a free meal. Multicolored bars, stripes, and splotches olur the outline of other fish, making it difficult for predators to see them against the complex packground of the coral reefs





A Montage of Motion

While morays are seden-tary creatures, most fish swim freely about the

reefs. Some, like the sol

tary angelfish, move with

deliberate grace. Others

dart about in schools of

thousands of fish, mov-

ing together with the pre-cision of choreographed dancers. Each closeknit

group offers protection to its members.



Stephen Frink

Parrotfish Jeff Rotma

☆ GPO: 1992-312-248/40169 Reprint 1992

Reef fish are noted for

their eccentric behavior

One interesting inhabit-ant is the sharp-beaked

parrotfish. It can be seen

or even heard, munching on coral. An odd meal for a fish? Not really, be-

cause along with the rock the parrotfish is de

vouring algae and coral

polyps, too.

patrol the surface of the bay, diving to catch their crustaceans Large colonies of little

prey. White ibis meander across exposed mud flats, probing for small fish and blue herons, snowy egrets, and other wading birds nest seasonally in

the protected refuge of the Arsenicker Keys. The extremely shallow waters surrounding these mangrove islands in the south

bay are especially well suited for foraging. A History of Abundance The coastal wilderness of south Florida was the first spot in North America explored by Europeans.

# Biscayne

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### On the Mainland

Convoy Point Park headquarters and the park visitor center are located at Convoy Point. The visitor center, which has exhibits and schedules of park activities, is open daily. Convoy Point also has a picnic area with tables, fire grills, and restrooms and a short trail that provides views of the marine life and birds of Biscayne Bay. The Convoy Point parking area is open 8 a.m. to sunset.

Boat Tours A park concessioner offers glass-bottom boat tours of the bay and reefs, snorkeling and scuba diving trips to the reefs, and occasional island excursions for picnicking and hiking. All tours leave from Convoy Point. The concessioner has snorkeling and scuba equipment for sale or rent and canoe rentals. For information or tour reservations write: Biscayne Aqua Center, Inc., P.O.Box 1270, Homestead, FL 33090-1270; or call (305) 247-2400.

Nearby Services and Accommodations Homestead, Miami, and the Florida Keys have a wide range of hotels and motels; reservations are recommended. They also have a variety of restaurants, service stations, groceries, and other stores. Nearby public marinas provide boat launch ramps and fuel and often charter or rent sail and motor boats (see map below for locations).

**Camping** Campgrounds are not available on the park's mainland. (See "On the Keys" for information on boat-access-only island camping in the park.) Several nearby private mainland campgrounds and trailer parks in Homestead, Florida City, and South Miami do have campsites for trailers, mobile homes, and tents. Everglades Natonal Park, John Pennekamp Coral Reef State Park, and other area state parks also have campgrounds. They are open year-round.

### **General Information**

Biscayne's subtropical climate is characterized by warm, wet summers (May through October) and mild, dry winters (November through April). Expect abundant sunshine and high humidity year-round. High temperatures average in the high 80s and low 90s°F in summer and in the mid-70s and low 80s°F in winter. Annual rainfall fluctuates greatly, but 65 inches or more are common. Most rain falls in summer in brief, intense afternoon thunderstorms. Summer and fall are peak seasons for tropical storms and hurricanes.

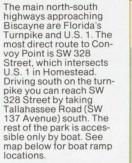
The park is a wildlife and historical preserve; do not disturb or remove any natural or historical object. Loaded firearms and other weapons and explosives are prohibited. Pets must always be kept on a leash no longer than 6 feet and are restricted to certain areas of the park. Fires are allowed only in campstoves or designated grills. Be careful wading along shore; coral

rock is sharp and animals such as spiny sea urchins live in the shallows. There are no lifeguards: if you swim, take along a friend. Mosquitoes and other biting insects are year-round residents. Their populations are lowest from January to April. Always carry insect repellent. If you are camping, be sure your tent has bug-proof netting. Wear a water-proof sunscreen to guard against sunburn.

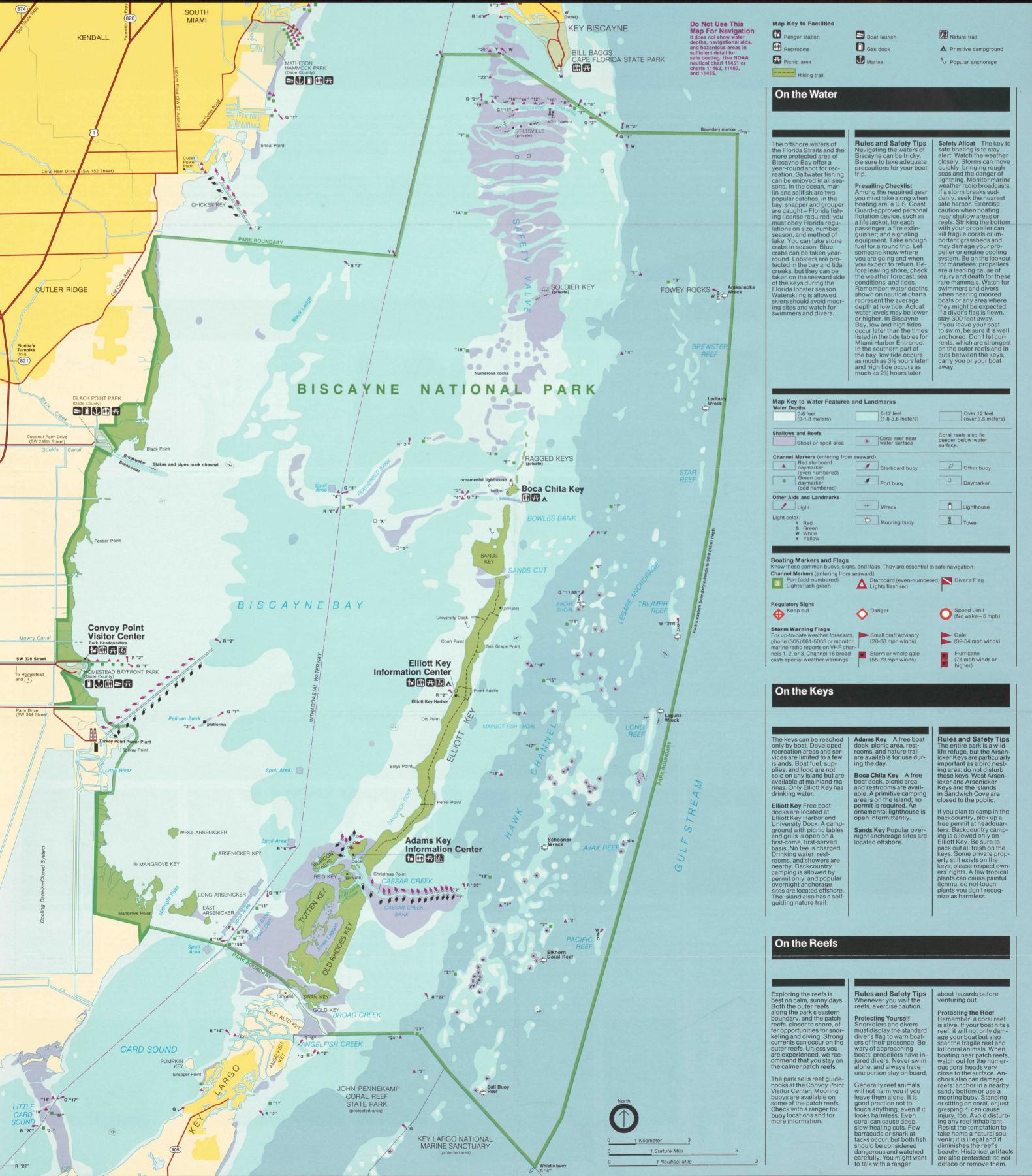
Information For more information, write: Biscayne National Park, P.O. Box 1369, Homestead, FL 33090-1369; or call (305) 247-PARK; (305) 247-7275.

Información en Español Para informacion sobre el parque en español llame al telefone (305) 247-PARK; (305) 247-7275.









Light color: R Red G Green W White Y Yellow	Mooring buoy	Tower
Boating Markers and Flags Know these common buoys, signs, and Channel Markers (entering from seawa Port (odd-numbered) Lights flash green		avigation. Diver's Flag
Regulatory Signs	Danger	Speed Limit (No wake-5 mph)
Storm Warning Flags For up-to-date weather forecasts, phone (305) 661-5065 or monitor marine radio reports on VHF chan- nels 1, 2, or 3. Channel 16 broad- casts special weather warnings.	Small craft advisory (20-38 mph winds) Storm or whole gale (55-73 mph winds)	- Gale - (39-54 mph winds) Hurricane (74 mph winds or higher)
On the Keys		

		A second s
The keys can be reached only by boat. Developed recreation areas and ser- vices are limited to a few islands. Boat fuel, sup- plies, and food are not sold on any island but are available at mainland ma- rinas. Only Elliott Key has drinking water. <b>Elliott Key</b> Free boat docks are located at Elliott Key Harbor and University Dock. A camp- ground with picnic tables and grills is open on a first-come, first-served basis. No fee is charged. Drinking water, rest- rooms, and showers are nearby. Backcountry camping is allowed by permit only, and popular overnight anchorage sites are located offshore. The island also has a self- guiding nature trail.	Adams Key A free boat dock, picnic area, rest- rooms, and nature trail are available for use dur- ing the day. Boca Chita Key A free boat dock, picnic area, and restrooms are avail- able. A primitive camping area is on the island; no permit is required. An ornamental lighthouse is open intermittently. Sands Key Popular over- night anchorage sites are located offshore.	Rules and Safety Tips The entire park is a wild- life refuge, but the Arsen- icker Keys are particularly important as a bird nest- ing area; do not disturb these keys. West Arsen- icker and Arsenicker Keys and the islands in Sandwich Cove are closed to the public.
On the Reefs		
Exploring the reefs is	Rules and Safety Tips	about hazards before

On the Reefs Exploring the reefs is est on calm, sunny days. both the outer reefs, long the park's eastern oundary, and the patch eefs, closer to shore, of- er opportunities for snor- eling and diving. Strong urrents can occur on the uter reefs. Unless you re experienced, we rec- mmend that you stay on he calmer patch reefs. The park sells reef guide- ooks at the Convoy Point listor Center. Mooring urous are available on	Rules and Safety Tips Whenever you visit the reefs, exercise caution. Protecting Yourself Snorkelers and divers must display the standard diver's flag to warn boat- ers of their presence. Be wary of approaching boats; propellers have in- jured divers. Never swim alone, and always have one person stay on board. Generally reef animals will not harm you if you loave them alone this	about hazards before venturing out. Protecting the Reef Remember: a coral reef is alive. If your boat hits a reef, it will not only dam- age your boat but also scar the fragile reef and kill coral animals. When boating near patch reefs, watch out for the numer- ous coral heads very close to the surface. An- chors also can damage reefs: anchor in a nearby sandy bottom or use a more huror. Standing
buoys are available on some of the patch reefs. Check with a ranger for buoy locations and for more information.	leave them alone. It is good practice not to touch anything, even if it looks harmless. Even coral can cause deep, slow-healing cuts. Few barracuda or shark at- tacks occur, but both fish should be considered dangerous and watched carefully. You might want to talk with a ranger	mooring buoy. Standing or sitting on coral, or just grasping it, can cause injury, too. Avoid disturb- ing any reef inhabitant. Resist the temptation to take home a natural sou- venir; it is illegal and it diminishes the reef's beauty. Historical artifacts are also protected: do not deface or remove them.